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**BOOK I**

**UGI UTILITIES, INC. – GAS DIVISION**

**BEFORE**

**THE PENNSYLVANIA PUBLIC UTILITY COMMISSION**

**Information Submitted Pursuant to**

**Section 53.51 et seq of the Commission’s Regulations**

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**ORIGINAL TARIFF**

**UGI UTILITIES, INC. – GAS DIVISION – PA P.U.C. NO. 6**

**DOCKET NO. R-2015-2518438**

**Issued: January 19, 2016**

**Effective: March 19, 2016**

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**UGI UTILITIES, INC. – GAS DIVISION  
2016 BASE RATE CASE  
DOCKET NO. R-2015-2518438**

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**STATEMENT OF REASONS**

**UGI UTILITIES, INC. – GAS DIVISION**  
**2016 Base Rate Case**  
**Docket No. R-2015-2518438**

**STATEMENT OF REASONS**

UGI Utilities, Inc. – Gas Division (“UGI Gas” or “the Company”) is filing Tariff Gas – PA. P.U.C. Nos. 6 and 6-S, with a proposed effective date of March 19, 2016. The rates set forth in Tariff Nos. 6 and 6-S, if approved by the Pennsylvania Public Utility Commission (“PUC” or the “Commission”), would increase UGI Gas’s annual jurisdictional revenues by \$58.6 million, or by 17.5%. Tariff Nos. 6 and 6-S propose changes to a variety of general tariff rules and regulations as well as the provision of gas transportation and Gas Choice services. UGI Gas also is proposing new Energy Efficiency and Conservation Program (“EE&C Plan”) for residential and commercial customers and a new natural gas Technology and Economic Development (“TED”) Rider for commercial customers, which will allow customers to more effectively manage their energy bills and, at the same time, reduce their carbon footprint. Regarding universal service, UGI Gas is continuing its recently expanded existing programs, as approved by the Commission at Docket No. M-2013-2371824.

**Revenue Increase**

UGI Gas last received a general rate increase in 1995. Since that time, UGI Gas has experienced significant changes in several aspects of its business. Greatly expanded domestic natural gas supplies, from regions such as the Marcellus Shale, have led to a multi-year decline in natural gas commodity prices, substantially lowering overall customer bills. At the same time, other factors have substantially increased the cost of providing gas service to the public, which drive the need for an increase in base rates. These business factors include, but are not limited to:

- Since its last rate case in 1995, UGI Gas has made over \$1.0 billion in system investments, increasing the Company's rate base by over 120 percent;
- Substantial increases to the Company's capital replacement and betterment program, including accelerated replacement of aging infrastructure;
- Implementing the Company's new information technology system initiative (UGI's Next Information Technology Enterprise, or "UNITE");
- Substantial investment in growth capital and other system infrastructure, including investments to expand gas service into unserved and underserved areas of the Commonwealth;
- Increased costs on the pricing of materials, supplies and services;
- Wage and salary increases, along with an increased numbers of employees to continue providing safe and reliable service to customers; and
- A substantial reduction in average customer usage, with a more than 30 percent decline in average per residential heating customer usage since the Company's most recent rate case in 1995.

The confluence of these factors, among others, has significantly reduced the Company's net operating income and after-tax earnings despite substantial growth in all customer classes. Without substantial rate relief, UGI Gas's earnings are now and will continue to be financially unacceptable and, if not addressed, could adversely affect its ability to attract sufficient capital on reasonable terms and to provide safe and reliable service to its customers.

At present rates, UGI Gas's overall *pro forma* rate of return at present rates is projected to be only 4.52 percent for the fully projected future test year ending September 30, 2017, with a return on common equity of only 4.30 percent. These operating results are shown on Schedule A-1 of UGI Gas Exhibit A (Fully Projected). This level of earnings is inadequate and does not provide UGI Gas with a reasonable opportunity to earn a fair rate of return on its used and useful investment and to attract capital on reasonable terms needed to fund future capital projects for safety, reliability and growth. Unless UGI Gas receives substantial rate relief, those returns will continue to decline and likely jeopardize its ability to make system investments needed to enhance



the capacity of its distribution system and to replace older, obsolete facilities, each of which is needed to ensure continued system reliability and customer service performance.

The Company's requested rates would reverse the current downward earnings spiral and allow the Company an opportunity to earn a fair rate of return on its depreciated original cost rate base, including a return on common equity of 11.00 percent as recommend by Mr. Paul R. Moul (UGI Gas Statement No. 5), who is the Company's cost of capital witness and a recognized expert on the subject of fair rate of return. Mr. Moul's recommended capital structure and rate of return are set forth in UGI Gas Exhibit B and summarized below:

<u>Type of Capital</u>	<u>Ratio</u>	<u>Cost Rate</u>	<u>Weighted Cost</u>
Long-Term Debt	40.3%	5.07%	2.04%
Short-Term Debt	5.15%	2.58%	0.13%
Common Equity	54.55%	11.00%	6.00%
Total	100.00%		8.17%

Mr. Moul's recommendation is based primarily on a barometer group of comparable gas utilities. Mr. Moul's recommendation includes recognition of the Company's management effectiveness, which is addressed in detail in the testimonies of UGI witnesses Paul J. Szykman, Vice President – Rates & Government Relations and Vice President & General Manager – Electric Utilities (UGI Gas Statement No. 1), Hans G. Bell, Vice President of Engineering and Operations Support (UGI Gas Statement No. 9), and Robert R. Stoyko, Vice President – Marketing and Customer Relations (UGI Gas Statement No. 7). Mr. Moul's recommendation, however, does not reflect any adjustment for the additional risk related to the Company's substantial competitively sensitive load, which is addressed in the testimony of Mr. Szykman (UGI Gas Statement No. 1) and David E. Lahoff, Manager of Tariff and Supplier Administration (UGI Gas Statement No. 6).

Included with UGI Gas's filing are all of the supporting data required by the Commission's regulations. This information provides data for an historic year ended September 30, 2015, a future test year ending September 30, 2016, and the fully projected future test year ending September 30, 2017. Because of the adverse impact of regulatory lag when rates are established using a historic test year, the Company has elected to use the fully projected future test year as the basis for its proposed revenue requirement.

UGI Gas has followed Commission ratemaking practice in preparing its claims for rate base, operating revenues and operating expenses. Rate base was determined based on depreciated original cost values for projected plant in service at the end of the fully projected future test year. Those values include more than \$300 million of plant to be placed into service by the end of the fully projected future test year, inclusive of the Company's pipeline replacement capital, the UNITE customer information system discussed in the testimony of Thomas N. Lord, UGI's Chief Information Officer (UGI Gas Statement No. 8), and other used and useful infrastructure to support growth and service reliability. The Company's rate base claim also includes reasonable estimates for gas storage inventory, materials and supplies inventory, and cash working capital, as well as standard deductions for accumulated depreciation, accumulated deferred income taxes, and customer deposits. The Company's rate base claims are shown in summary form in Schedule C-1 to Exhibit A-1 (Fully Projected) and are supported by the testimony of Company witness Ann P. Kelly, Controller (UGI Gas Statement No. 2).

Operating revenues claimed by the Company reflect continuation of the substantial experienced decline in per customer residential usage since the Company's most recent general rate case in 1995. This decline adversely impacts net operating income and is responsible for a portion of the requested rate increase. Mr. Lahoff (UGI Gas Statement No. 6) provides analytical

support for the quantification of this decline in revenue from all markets, including residential, commercial and industrial markets. Associated *pro forma* adjustments to the budgeted level of revenues recommended by Mr. Lahoff are shown on Schedule D-5 of Exhibit A-1 (Fully Projected) and in exhibits attached to Mr. Lahoff's testimony.

UGI Gas's *pro forma* test year operating expenses were derived from its fiscal year 2017 operating budget. Based on the analysis of Company witness Ann P. Kelly (UGI Gas Statement No. 2), certain operating expenses were annualized, normalized, and otherwise adjusted in accordance with standard ratemaking practice, as detailed in Section D of Exhibit A (Fully Projected). UGI Gas's claim for depreciation and amortization expense is supported by Exhibit C (Fully Projected) to the filing, and exhibits developed and supported by John F. Wiedmayer of Gannett Fleming Valuation & Rate Consultants, LLC (UGI Gas Statement No. 5). Mr. Wiedmayer's calculations are based on the straight-line, remaining life method previously approved for UGI Gas's operations by the Commission. Company witnesses Mr. Szykman (UGI Gas Statement No. 1), Ms. Kelly (UGI Statement No. 2), and Mr. Bell (UGI Gas Statement No. 9) also discuss the Company's efforts to contain costs and obtain efficiencies through the integration of UGI Penn Natural Gas, Inc. ("PNG") and UGI Central Penn Gas, Inc. ("CPG") in recent years.

UGI Gas's income tax expense also was calculated using procedures previously accepted by the Commission. The Company's filing reflects, for federal income tax purposes, the normalization of book-tax timing differences related to UGI Gas's use of accelerated depreciation for tax purposes. Other appropriate book-tax timing differences were flowed-through for ratemaking purposes. The debt interest deduction was synchronized with the Company's rate base and the weighted average cost of debt recommended by Mr. Moul (UGI Gas Statement No. 3). The Company did not include a consolidated tax savings adjustment because it does not believe

that it is appropriate for a utility service to be subsidized by the tax losses incurred by non-regulated affiliate companies. Nonetheless, the Company has included, for informational purposes only, a consolidated tax adjustment calculated in accordance with the modified effective tax rate method. The Company's tax claims are supported in the testimony of Ms. Kelly (UGI Gas Statement No. 2) and Nicole M. McKinney, UGI's Principal Tax Analyst (UGI Gas Statement No. 10).

Based on this presentation, UGI Gas submits that the proposed revenue increase and associated rates are just and reasonable and are necessary to permit the Company a fair opportunity to earn a reasonable return on the value of its property that is used and useful for the purpose of providing safe and reliable service to the public.

#### **Rate Structure/Rate Design**

The Company's proposed rate structure and rate design reflect several significant changes to its existing rates, as explained by Mr. Lahoff (UGI Gas Statement No. 6), that emphasize the unique risks the Company faces due to its large-volume customer base. The proposed rates are designed to recover a \$58.56 million revenue increase. Regarding the allocation of the revenue increase to the various customer classes, the Company considered and balanced cost of service, value of service and gradualism principles. Except for competitive rate classes, UGI Gas's proposal generally moves each class's relative rate of return approximately halfway towards the system average rate of return based on two class cost of service studies submitted by Mr. Paul R. Herbert, President of Gannett Fleming Valuation & Rate Consultants, LLC (UGI Gas Statement No. 4), with no class receiving an average rate increase that exceeds 1.5 times the system average rate increase. For interruptible customers, the Company, as in prior cases, has calculated its revenue requirement and revenue allocation for core market customers based on cost of service

principles, while maintaining value of service pricing for interruptible customers who have competitive alternatives. The rationale for and benefits of this approach are explained in the testimonies of Mr. Szykman (UGI Gas Statement No. 1) and Mr. Lahoff (UGI Gas Statement No. 6).

For rate design, UGI Gas proposes to eliminate the current multiple declining block structure rate design. As explained by Mr. Lahoff (UGI Gas Statement No. 6), declining block rates provide an inappropriate price signal that may encourage additional consumption. Along with these changes, the Company also proposes to increase the level of its customer charges to more accurately reflect the customer component of cost of service.

The Company also is proposing several changes to its tariff rules to clarify the Company's business relationship with its customers in a variety of areas, and to modify its transportation service offerings to ensure that rates for service are more in line with the cost of serving the customers served under the rate. These changes are addressed in the testimony of Mr. Lahoff (UGI Gas Statement No. 6) and are, in part, being proposed to apply common tariff rules and services among all of UGI's affiliated Pennsylvania natural gas distribution companies.

### **Universal Service Programs and Customer Service Performance**

UGI Gas recently proposed and the Commission approved a substantial expansion of UGI Gas's Universal Service Programs ("USP"). In this proceeding the Company is proposing to update its USP cost recovery mechanism to reflect current Commission practice. The proposed USP Rider will enable UGI Gas to fully reconcile the revenue it recovers with the costs it incurs in providing USP to low-income customers. The USP Rider reconciliation mechanism is discussed in the testimony of Mr. Lahoff (UGI Gas Statement No. 6). Robert R. Stoyko (UGI Gas Statement

No. 7) discusses UGI Gas's USP and the growing number of customers in those programs, along with other operational and customer service performance metrics.

### **Environmental/Technology**

The Company is also proposing a new EE&C Plan and TED Rider. The EE&C Plan is designed to allow customers to become more energy efficient in a cost-effective manner. The EE&C Plan is discussed in the testimony of Theodore M. Love, Senior Analyst and Data Scientist at Green Energy Economics Group, Inc. (UGI Statement No. 11), a consultant with substantial expertise in assessing the relative costs and benefits of energy efficiency measures. Mr. Stoyko (UGI Gas Statement No. 7) addresses the benefits of the TED Rider in his testimony. The TED Rider will enable certain commercial customers to manage their gas distribution rates to assist them in funding investments in equipment that uses natural gas, such as natural gas vehicles and combined heat and power applications. Mr. Lahoff (UGI Gas Statement No. 6) explains UGI Gas's proposal for rate recovery for these two programs.

Finally, consistent with its already strong environmental record, UGI Gas is proposing to substantially expand its environmental remediation program for sites where gas consumed by utility customers was produced at manufactured gas plants. In conjunction with this expanded program, UGI Gas is requesting approval to establish an accounting reserve to the extent actual environmental costs are more than or less than the level reflected in this case. This proposal is identical to reserve mechanism currently employed by UGI Gas's affiliated natural gas distribution companies, CPG and PNG.

## Summary

As set forth in UGI Gas's filing, the proposed revenue increase is the minimum increase necessary for UGI Gas to continue providing safe and reliable service, to maintain the integrity of its existing capital, to attract additional capital at reasonable rates, and to have a reasonable opportunity to earn a fair rate of return on its property used and useful in rendering gas service to the public within its service territory. Moreover, the Company's proposed revenue allocation and rate design are just and reasonable, and non-discriminatory, as are the proposed changes made to the Company's general terms and conditions of service. Therefore, the rates, rules and terms and conditions of service set forth in UGI Gas's Tariff Nos. 6 and 6-S should be permitted to become effective as filed.

**PLAIN LANGUAGE - STATEMENT OF REASONS**



**UGI UTILITIES, INC. – GAS DIVISION**  
**2016 Base Rate Case**  
**Docket No. R-2015-2518438**

**PLAIN LANGUAGE**  
**STATEMENT OF REASONS**

UGI Utilities, Inc. – Gas Division (UGI Gas) has asked the Pennsylvania Public Utility Commission (PUC) to approve new rates that would increase annual revenues for its gas distribution service by \$58.6 million, or by 17.5%. This proposal is the first such increase for UGI Gas since 1995.

The main reasons for the rate increase are:

- UGI Gas continues to invest in gas plant needed to provide continued safe and reliable service. Since its last rate case in 1995, UGI Gas has made over \$1.0 billion in system investments, increasing the Company's plant by over 120 percent.
- UGI Gas has experienced substantial reduction in average customer usage, with a more than 30 percent decline in average per residential heating customer usage since the Company's most recent rate case in 1995.
- Despite enhanced efficiencies in managing its system, UGI Gas's costs continue to increase in several areas, including salaries and wages for field and administrative employees and the cost of servicing customer accounts.
- Without substantial rate relief, UGI Gas's earnings are now and will continue to be financially unacceptable and, if not addressed, could adversely affect its ability to provide safe and reliable service to its customers.

UGI Gas designed the proposed rates for each customer class to recover its total required revenue. In allocating the revenue increase to the residential and non-residential customer classes, UGI Gas was guided by detailed studies of each rate class's cost of service. UGI Gas also considered and balanced other principles of rate design consistent with practice before the PUC.

Along with its rate increase, UGI Gas has filed all of the supporting data required by the PUC's regulations, as well as the written statements of eleven witnesses and numerous exhibits

prepared by those witnesses. The data, testimony, and exhibits submitted by UGI Gas comply with the PUC's filing requirements. The proposed revenue increase is the minimum increase necessary for UGI Gas to continue providing safe and reliable service to the public within its service territory.

**SECTION 53.52 - FILING REQUIREMENTS**

**UGI Utilities, Inc. – Gas Division**

**Proposed Changes to Gas Tariff No. 5 through Original Tariff No. 6.**

Information furnished with the filing of rate changes under 52 Pa.  
Code, Section 53.52

**(a) Applicable to changes in terms and conditions of service.**

**(a)(1) The specific reason for each change.**

The Company has provided a Statement of Specific Reasons describing the necessity for this filing.

**(a)(2) The total number of customers served by the utility.**

387,919

**(a)(3) A calculation of the number of customers, by tariff subdivision, whose bills will be affected by the change.**

R/RT	348,120
N/NT	38,394
DS	592
LFD	464
XD-F	27
IS	322

**(a)(4) The effect of the change on the utility's customers.**

The specific effect by class is shown in Exhibit E.

**(a)(5) The effect, whether direct or indirect, of the proposed change on the utility's revenue and expenses.**

The Company's proposal will change revenue and expenses, as shown on Exhibit A (Fully Projected), Schedule A-1. Individual adjustments to revenues and expenses are described in testimony and exhibits supporting the filing.

**(a)(6) The effect of the change on the service rendered by the utility.**

The filing will allow the Company to continue to provide safe and reliable service to its customers while maintaining high levels of customer satisfaction.

- (a)(7) A list of factors considered by the utility in its determination to make the change. The list shall include a comprehensive statement as to why these factors were chosen and the relative importance of each. This subsection does not apply to a portion of the tariff change seeking a general rate increase as defined in 66 Pa.C.S. Section 1308 (relating to voluntary changes in rates).**

The factors considered by the Company are discussed in the Statement of Specific Reasons.

- (a)(8) Studies undertaken by the utility in order to draft its proposed change. This paragraph does not apply to a portion of the tariff change seeking a general rate increase as defined in 66 Pa.C.S. Section 1308.**

Not applicable.

- (a)(9) Customer polls taken and other documents, which indicate customer acceptance and desire for the proposed change.**

None.

- (a)(10) Plans the utility has for introducing or implementing the change with respect to its customers.**

The Company will notify customers of the proposed changes by a bill insert using the form of notices specified by the Commission at 52 Pa. Code 53.45. A copy of the notice will be provided together with an affidavit of compliance with the notice requirements. In addition, the Company will communicate directly with commercial and industrial customers who will experience significant changes in rate designation and/or changes in rate class as a result of this filing to explain the impact, if any, on the customers.

- (a)(11) F.C.C. or FERC or Commission orders or rulings applicable to the filings.**

No F.C.C., FERC or Commission orders or rulings apply to this filing.

- (b) Applicable to changes in rates.**

- (b)(1) Specific reason for each change.**

The Company has provided a Statement of Specific Reasons describing the necessity of this filing.

**(b)(2) Utility's operating income statement ending not more than 120 days prior to filing date – historic year.**

Refer to Exhibit A (Historic), Schedule B-2. For future test year Operating income statement, refer to Exhibit A (Future), Schedule B-2, and Exhibit A (Fully Projected), Schedule B-2.

**(b)(3) Number of customers, by tariff subdivision, whose bills will be increased.**

<u>Tariff Rate</u>	<u>Customers</u>
R/RT	348,120
N/NT	38,316
DS	592
LFD	374
XD-F	0
IS	0

**(b)(4) Total increases, in dollars, by tariff subdivision, projected to an annual basis.**

Please refer to Exhibit E.

**(b)(5) Number of customers, by tariff subdivision, whose bills will be decreased.**

<u>Tariff Rate</u>	<u>Customers</u>
N/NT	78
LFD	90

**(b)(6) Total decreases, in dollars, by tariff subdivision, projected to an annual basis.**

Please refer to Exhibit E.

**(c) Applicable to changes where increase for any tariff subdivision exceeds 3% of utility's operating revenue OR bills of more than 5% of customers will increase.**

**(c)(1) Rate of return for historic year and anticipated for future year.**

Refer to Exhibit A (Historic), Schedule A-1, Exhibit A (Future), Schedule A-1, and Exhibit A (Fully Projected), Schedule A-1.

**(c)(2) Detailed balance sheet at the end of the historic year.**

For the end of the historic year balance sheet, refer to Exhibit A (Historic), Schedule B-1.

For the end of the future test year balance sheet, refer to Exhibit A (Future), Schedule B-1.

For the end of the fully projected future test year balance sheet, refer to Exhibit A (Fully Projected), Schedule B-1.

**(c)(3) Summary, by detailed plant accounts, of book value of property of utility at end of historic year.**

Refer to Exhibit A (Historic), Schedule C-2, for the original cost book value of the property of utility for the historic year.

Refer to Exhibit A (Future), Schedule C-2, for the original cost book value of the property of utility for the future test year.

Refer to Exhibit A (Fully Projected), Schedule C-2, for the original cost book value of the property of utility for the fully projected future test year.

**(c)(4) Respective amount of the depreciation reserve applicable to each detailed plant account.**

Refer to Exhibit A (Historic), Schedule C-3, for the historic year depreciation reserve as of year-end.

Refer to Exhibit A (Future), Schedule C-3, for the future test year depreciation reserve as of year-end.

Refer to Exhibit A (Fully Projected), Schedule C-3, for the fully projected future test year depreciation reserve as of year-end.

**(c)(5) Statement of operating income, setting forth the operating revenues and expenses by detailed accounts – historic year.**

Refer to Exhibit A (Historic), Schedule B-2, for the historic year operating revenue and expenses.

Refer to Exhibit A (Future), Schedule B-2, for the future test year operating revenue and expenses.

Refer to Exhibit A (Fully Projected), Schedule B-2, for the fully projected future test year operating revenue and expenses.

**(c)(6) Description of any major changes in the operating or financial condition of the utility occurring between the date of the balance sheet at end of the historic year and filing date.**

None.



**SECTION 53.62 - FILING REQUIREMENTS**

**UGI UTILITIES, INC. – GAS DIVISION**

**Proposed Gas Service Tariff No. 6**

Information furnished pursuant to 52 Pa. Code, Section 53.62

53.62 Additional information to be filed by gas utilities with gross annual intrastate operating revenue in excess of \$40 Million seeking a change in base rates.

In addition to information otherwise required to be filed by a jurisdictional natural gas distributor with gross intrastate annual operating revenues in excess of \$40 Million seeking a change in its base rates, each gas utility shall also file updates to the information required by § 53.64(c) (relating to filing requirements for natural gas distributors with gross intrastate annual operating revenues in excess of \$40 Million). In the case of a gas utility purchasing gas as defined at § 53.61(a) (relating to purpose) from an affiliated interest, it shall also file updates to the information required at § 53.65 (relating to special provisions relating to natural gas distributors with gross intrastate annual operating revenues in excess of \$40 Million with affiliated interests). These updates shall be made at the time the base rate case under 66 Pa.C.S. § 1308 (relating to voluntary changes in rates) is originally filed. Deficiencies in filing will be treated as set forth at § 53.51(c) (relating to general).

RESPONSE:

Please see the response to III-E-30.

**SECTION 53.53 - VALUATION**

UGI Utilities, Inc. - Gas Division  
Docket No. R-2015-2518438  
2016 Base Rate Case  
Responses to Section 53.53 - I-A - Valuation - All Utilities  
Delivered on January 19, 2016

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I-A-1

Request:

Provide a corporate history (include the dates of original incorporation, subsequent mergers and/or acquisitions). Indicate all counties and cities and other governmental subdivisions to which service is provided (including service areas outside the state), and the total population in the area served.

Response:

The United Gas Improvement Company ("UGI") was organized June 1, 1882. By the end of the Company's first decade, UGI controlled, through ownership or lease, 31 gas companies operating in cities across the U.S., including Allentown, Harrisburg and Reading, three cities which form the backbone of UGI's gas utility system today.

The early decades of the 1900s saw UGI add, sell, and consolidate gas and electric companies across the U.S.. While UGI's scope was nationwide during the period of expansion, the Company was particularly active in New York, New Jersey, Connecticut, and Pennsylvania. UGI helped form Public Service Corp. of New Jersey in 1903 and assembled and developed gas and electric properties in Connecticut, resulting in the formation of the Connecticut Light and Power Co.

In 1925 UGI acquired and consolidated with the American Gas Co., which had prime holdings in suburban Philadelphia and also owned the Luzerne County Gas & Electric Co. (part of which is now UGI's Electric Division). UGI then obtained control of Philadelphia Electric Company in 1928, and a year later fashioned the current Philadelphia Electric Company service territory and corporate structure by consolidating many separate suburban utility companies. Also in 1928, UGI obtained gas and electric interests in Delaware which were combined with subsequently acquired properties in Virginia and Maryland to form Delaware Power & Light Co.

In 1935 Congress passed the Public Utility Holding Company Act, which was designed to divest many covered utility holding companies of their geographical and financial holdings. At the time of its registration under the Act in 1937, the Company controlled 39 utility subsidiaries which operated electric facilities in 11 states and gas facilities in 5 states.

UGI Utilities, Inc. - Gas Division  
Docket No. R-2015-2518438  
2016 Base Rate Case  
Responses to Section 53.53 - I-A - Valuation - All Utilities  
Delivered on January 19, 2016

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I-A-1 (Continued)

In 1940 UGI held controlling or substantial interests in utilities such as Connecticut Light & Power Co., Public Service Corp. of New Jersey, Niagara-Hudson Power Corp., Delaware Power & Light Co., Kansas City Gas Co., Hartford (Conn.) Gas Co., St. Louis County Water Co., the Commonwealth & Southern Corp. and Philadelphia Electric Company. By 1941 various corporate actions in compliance with the Holding Company Act were decided upon which would drastically reduce the size of the Company. Sales and exchanges of widespread properties were part of a program aimed at concentrating operations in a contiguous area of eastern and central Pennsylvania.

First were the sales of holdings in the Connecticut Light & Power Co. In 1943 UGI divested itself of its two largest holdings, Philadelphia Electric Co. and Public Service Corp. of New Jersey. A year later, UGI divested its holdings in Delaware Power & Light Co.

Modern History

After a prolonged period of such sales, spin-offs, dissolutions and consolidations, by 1953 UGI became a public utility operating company without utility subsidiaries and confined solely to the Commonwealth of Pennsylvania. All remaining gas and electric properties comprising present-day Gas and Electric Divisions were merged with and into The United Gas Improvement Company, which continued as the surviving corporation. UGI ceased to be a registered holding company in October 1953.

In 1956 the Luzerne Division gas properties, except for Hazleton, were sold to the Scranton Springbook Water Company and Hazleton became part of the Lehigh Valley Gas Division.

In 1967 UGI purchased the electric properties and business of the Harvey's Lake Light Company. The acquisition brought approximately 4,000 customers in a 113 square mile service territory into the Luzerne Electric system.

In 1968 The United Gas Improvement Company changed its name to UGI Corporation.

Another organization change was made in 1971, when UGI's gas operations, comprised of a 13-county service area in southeastern Pennsylvania serving approximately 200,000 customers, were consolidated in a centralized Gas Utility Division, headquartered in Reading Pennsylvania.

On December 31, 1972, the City of Philadelphia terminated its agreement with UGI to manage the City-owned Philadelphia Gas Works, which had been operated by UGI for 75

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I-A-1 (Continued)

years. As a result, UGI sold its center city office building and moved its corporate headquarters to Valley Forge, Pennsylvania, in August 1974.

*In December 1991 after several years of study, the Board of Directors authorized the reorganization of UGI into a holding company. This was accomplished on April 10, 1992, after approval of a Plan of Merger by UGI's shareholders. Under this structure, UGI's utility operations and its unregulated business (principally propane marketing) became subsidiaries of the holding company, which adopted the name UGI Corporation. The former "UGI Corporation" continues to provide gas and electric service to the public under the jurisdiction of this Commission and has changed its name to UGI Utilities, Inc. Please refer to Attachment I-A-1 for a listing of population served by municipality under UGI Utilities, Inc. – Gas Division.*

On September 1, 2006 UGI Utilities expanded its Pennsylvania operations through an acquisition of the assets from Southern Union Company, primarily in the counties of Lackawanna, Luzerne, and Lycoming. These assets now form UGI's Penn Natural Gas, Inc. (PNG) service territory. The Company grew again on October 1, 2008 through an acquisition of the stock of PPL Gas Utilities Corporation, which was renamed UGI Central Penn Gas, Inc. This acquisition expanded operations in Northern and Central Pennsylvania and into one small county in Maryland.

The UGI Gas Distribution Companies serve approximately 610,000 residential, commercial and industrial natural gas customers located in 45 of Pennsylvania's total 67 counties and spanning more than 700 municipalities. Please refer to Attachment I-A-1 for population data in the counties which UGI Gas serves.

Prepared by or under the supervision of: Ann P. Kelly

**UGI Utilities, Inc. - Gas Divisions  
Schedule of Population Served  
Souce: U.S. Dept. of Commerce, Bureau of Census, 2010 Data**

<b>Berks County</b>	
Amity Township	12,583
Cumru Township	15,147
Exeter Township	25,550
Muhlenberg Township	19,628
City of Reading	88,082
Spring Township	27,119
Wyomissing Borough	10,461
Other	172,240
<b>Total Berks County</b>	<b>370,810</b>
<b>Bucks County</b>	
Hilltown Township	15,029
Richland Township	11,100
Other	53,172
<b>Total Bucks County</b>	<b>79,301</b>
<b>Carbon County</b>	
Other	12,537
<b>Total Carbon County</b>	<b>12,537</b>
<b>Chester County</b>	
Other	22,149
<b>Total Chester County</b>	<b>22,149</b>
<b>Cumberland County</b>	
Carlisle Borough	18,682
East Pennsboro Township	20,228
Hampden Township	28,044
Lower Allen Township	17,980
North Middleton Township	11,143
Silver Spring Township	13,657
South Middleton Township	14,663
Upper Allen Township	18,059
Other	47,317
<b>Total Cumberland County</b>	<b>189,773</b>
<b>Dauphin County</b>	
Derry Township	24,679

City of Harrisburg	49,528
Lower Paxton Township	47,360
Swatara Township	22,611
Other	73,200
Total Dauphin County	<u>217,378</u>

Franklin County	
Greene Township	16,700
Other	11,023
Total Franklin County	<u>27,723</u>

Lancaster County	
Columbia Borough	10,400
East Cocalico Township	10,310
East Hempfield Township	23,522
East Lampeter Township	16,424
Elizabethtown Borough	11,545
Ephrata Borough	13,394
City of Lancaster	59,322
Manheim Township	38,133
Rapho Township	10,442
Warwick Township	14,437
West Hempfield Township	16,153
West Lampeter Township	15,209
Other	193,852
Total Lancaster County	<u>433,143</u>

Lebanon County	
City of Lebanon	25,477
North Lebanon Township	11,429
Other	79,453
Total Lebanon County	<u>116,359</u>

Lehigh County	
City of Allentown	118,032
City of Bethlehem	19,343
Emmaus Borough	11,211
Lower Macungie Township	30,633
North Whitehall Township	15,703
Salisbury Township	13,498
South Whitehall Township	19,180
Upper Macungie Township	20,063
Upper Saucon Township	14,808
Whitehall Township	26,738



Other	36,174
Total Lehigh County	<u>325,383</u>
Luzerne County	
City of Hazleton	25,340
Other	<u>30,773</u>
Total Luzerne County	56,113
Monroe County	
Chestnuthill Township	17,156
Coolbaugh Township	20,564
Other	<u>18,513</u>
Total Monroe County	56,233
Montgomery County	
Limerick Township	18,074
New Hanover Township	10,939
Other	<u>33,952</u>
Total Montgomery County	62,965
Northampton County	
City of Bethlehem	55,639
Bethlehem Township	23,730
City of Easton	26,800
Forks Township	14,721
Lower Saucon Township	10,772
Palmer Township	20,691
Other	<u>95,430</u>
Total Northampton County	247,783
Schuylkill County	
Other	<u>5,343</u>
Total Schuylkill County	5,343
York County	
Newberry Township	15,285
Other	<u>66,350</u>
Total York County	81,635
Total Population Served	<u><u>2,304,628</u></u>

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I-A-2

Request:

Provide a schedule showing the measures of value and the rates of return at the original cost and trended original cost measures of value at the spot, three-year and five-year average price levels. All claims made on this exhibit should be cross-referenced to appropriate exhibits. Provide a schedule similar to the one listed above, reflecting respondent's final claim in its previous rate case.

Response:

The Company's claim is based on original cost measures of value. Since Pennsylvania state law mandates the use of original cost for ratemaking, a trended cost study was not prepared.

Refer to UGI Exhibit A (Historic), UGI Exhibit A (Future) and UGI Exhibit A (Fully Projected), Schedule A-1.

Refer to Attachment I-A-2 for a similar schedule from the previous rate case.

Prepared by or under the supervision of: Ann P. Kelly

I-A-2(H)  
 Historic  
 J. C. Barney

UGI UTILITIES, INC. - GAS DIVISION  
 I. VALUATION  
 A. ALL UTILITIES

2. Provide a schedule showing the measures of value and the rates of return at the original cost and trended original cost measures of value at the spot, three-year and five-year average price levels. All claims made on this exhibit should be cross-referenced to appropriate exhibits. Provide a schedule similar to the one listed above, reflecting respondent's final claim in its previous rate case.

Response:

Historic Year Ended September 30, 1994

(000's)

<u>Description</u>	<u>Reference</u>	<u>Original Cost</u>
Utility Plant in Service	I-A-7(H)(4)	\$542,209
Accumulated Provision for Depreciation	I-A-7(H)(4)	<u>145,445</u>
Net Utility Plant in Service	I-A-7(H)(4)	396,764
Construction Work in Progress	I-A-12(H)	<u>6,018</u>
Sub-Total		402,782
Materials, Supplies, and Gas Stored	I-A-15(H)	15,845
Fuel Stocks	I-A-16(H)	529
Cash Working Capital	III-A-15(H)	14,410
Customer Deposits	I-A-18(H)	(2,071)
Customer Advances	I-A-18(H)	(767)
Unamortized Deferred Taxes - CIAC	III-A-52(H)(2)	413
Accumulated Deferred Income Taxes - Liberalized Depreciation	III-A-52(H)(2)	<u>(42,054)</u>
Total Measures of Value		\$389,087
Rates of Return: (1)		
Pro-Forma at Present Rates		
Amount	III-A-17(H)(1) Col. 3	\$25,852
Percent		6.64%
Pro-Forma at Proposed Rates		
Amount	III-A-17(H)(1) Col. 5	\$46,167
Percent		11.87%

- (1) Excludes \$3 million of pre-tax net revenue derived from the Company portion of the Competitive Adjustment.

I-A-2(F)

Future

J. C. Barney

## UGI UTILITIES, INC. - GAS DIVISION

## I. VALUATION

## A. ALL UTILITIES

2. Provide a schedule showing the measures of value and the rates of return at the original cost and trended original cost measures of value at the spot, three-year and five-year average price levels. All claims made on this exhibit should be cross-referenced to appropriate exhibits. Provide a schedule similar to the one listed above, reflecting respondent's final claim in its previous rate case.

Response:

Trended original cost data is omitted in accordance with PUC regulation 52 Pa. Code Section 53.51(c).

Future Test Year Ended September 30, 1995  
(000's)

<u>Description</u>	<u>Reference</u>	<u>Original Cost</u>
Utility Plant in Service	I-A-7(F)(4)	\$587,330
Accumulated Provision for Depreciation	I-A-7(F)(4)	<u>156,511</u>
Net Utility Plant in Service	I-A-7(F)(4)	430,819
Materials, Supplies and Gas Stored	I-A-15(F)	16,993
Fuel Stocks	I-A-16(F)	523
Cash Working Capital	III-A-15(F)	14,750
Customer Deposits	I-A-18(F)	(2,575)
Customer Advances	I-A-18(F)	(700)
Unamortized Deferred Taxes - CIAC	III-A-52(F)(2)	433
Accumulated Deferred Income Taxes - Liberalized Depreciation	III-A-52(F)(2)	<u>(45,252)</u>
Total Measures of Value		\$414,991
Rates of Return: (1)		
Pro-Forma at Present Rates		
Amount	III-A-17(F)(1) Col. 3	\$24,149
Percent		5.82%
Pro-Forma at Proposed Rates		
Amount	III-A-17(F)(1) Col. 5	\$44,695
Percent		10.77%

See I-A-2(H)(1) for previous rate case.

- (1) Excludes \$3 million of pre-tax net revenue derived from the Company portion of the Competitive Adjustment.

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I-A-3

Request:

Provide a description of the depreciation methods utilized in calculating annual depreciation amounts and depreciation reserves, together with a discussion of all factors which were considered in arriving at estimates of service life and dispersion by account. Provide dates of all field inspections and facilities visited.

Response:

The depreciation methods used in calculating annual and accrued depreciation are discussed in Exhibit C (Future) in "Part IV. Calculation of Annual and Accrued Depreciation." The factors considered in service life estimation begin in the section on page II-2 and the section on page III-4. There have been no changes in the method of depreciation since the prior filing.

Field trips and facilities visited are presented in Exhibit C (Future) in Part III in the section titled "Field Trips," beginning on page III-2. Please refer to the Direct Testimony of John F. Wiedmayer, UGI Gas Statement No. 5.

Prepared by or under the supervision of: John F. Wiedmayer

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I-A-4

Request:

Set forth, in exhibit form, charts depicting the original and estimated survivor curves and a tabular presentation of the original life table plotted on the chart for each account where the retirement rate method of analysis is utilized.

a. If any utility plant was excluded from the measures of value because it was deemed not to be "used and useful" in the public service, supply a detailed description of each item of property.

b. Provide the surviving original cost at test year end by vintage by account and include applicable depreciation reserves and annuities.

(i) These calculations should be provided for plant in service as well as other categories of plant, including, but not limited, to contributions in aid of construction, customers' advances for construction, and anticipated retirements associated with any construction work in progress claims (if applicable).

Response:

Charts depicting the original and estimated survivor curves and a tabular presentation of the original life table plotted on the chart for each account where the retirement rate method of analysis was utilized is presented in Exhibit C (Future) in Part VI of the report.

a. No utility plant recorded in Account 101, Gas plant in Service, was excluded from the measures of value.

b. The surviving original cost at the end of the historical year September 30, 2015, by vintage by account and the applicable depreciation reserve for gas plant are presented in Exhibit C (Historic). The tabulations are presented in Part III of the report in the section titled "Depreciation Calculations."

The surviving original cost at the end of the future test year September 30, 2016, by vintage by account and the applicable depreciation reserve for gas plant are presented in Exhibit C (Future). The tabulations are presented in Part VII of the report in the section titled "Depreciation Calculations."

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I-A-4 (Continued)

The surviving original cost at the end of the fully projected test year September 30, 2017, by vintage by account and the applicable depreciation reserve for gas plant are presented in Exhibit C (Fully Projected). The tabulations are presented in Part III of the report in the section titled "Depreciation Calculations."

Prepared by or under the supervision of: John F. Wiedmayer

UGI Utilities, Inc. - Gas Division  
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I-A-5

Request:

Provide a comparison of respondent's calculated depreciation reserve v. book reserve by account at the end of the test year.

Response:

Comparisons of the calculated accrued depreciation v. the book reserve are set forth on the pages which follow. Please see Attachment I-A-5.

Prepared by or under the supervision of: John F. Wiedmayer



UGI UTILITIES, INC. - GAS DIVISION  
COMPARISON OF CALCULATED ACCRUED DEPRECIATION  
AND BOOK RESERVE AS OF SEPTEMBER 30, 2015

ACCOUNT (1)	CALCULATED ACCRUED DEPRECIATION (2)	BOOK RESERVE+ (3)
<b><u>GAS PLANT</u></b>		
<b>DISTRIBUTION PLANT</b>		
375 STRUCTURES AND IMPROVEMENTS	1,158,238	1,389,165
376.1 MAINS - PRIMARILY STEEL	76,766,192	63,875,413
376.2 MAINS - CAST IRON	2,219,303	1,120,934
376.3 MAINS - PLASTIC	92,296,627	97,965,541
376.5 MAINS - PRIMARILY WROUGHT IRON	239,569	248,099
378 MEASURING AND REGULATING STATION EQUIPMENT - GENERAL	6,092,847	6,158,825
378.1 MEASURING AND REGULATING STATION EQUIPMENT - SCADA	501,509	439,103
379 MEASURING AND REGULATING STATION EQUIPMENT - CITY GATE	2,486,405	3,165,582
380 SERVICES	146,473,923	146,121,579
381 METERS	15,609,401	14,974,198
381.2 ELECTRONIC METERS	5,139,527	6,120,851
382 METER INSTALLATIONS	19,306,086	21,543,086
383 HOUSE REGULATORS	2,175,435	1,268,799
384 HOUSE REGULATOR INSTALLATIONS	3,357,657	4,072,597
385 INDUSTRIAL MEASURING AND REGULATING STATION EQUIPMENT	2,791,100	3,705,080
386 OTHER PROPERTY ON CUSTOMERS PREMISES	100,262	116,782
386.1 OTHER PROPERTY ON CUSTOMERS PREMISES - FARM TAPS	460,071	551,952
386.2 OTHER PROPERTY ON CUSTOMERS PREMISES - GAS LIGHTS	20,362	22,972
387 OTHER EQUIPMENT	1,000,237	1,153,484
387.1 OTHER EQUIPMENT - GRAPHIC DATA BASE	1,430,215	1,437,296
<b>TOTAL DISTRIBUTION PLANT</b>	<b>379,624,966</b>	<b>395,451,338</b>
<b>GENERAL PLANT</b>		
390.1 STRUCTURES AND IMPROVEMENTS	13,485,638	14,281,590
390.2 STRUCTURES AND IMPROVEMENTS - LEASED PROPERTY	1,143	1,448
391 OFFICE FURNITURE AND EQUIPMENT - FURNITURE	857,660	857,550
391.1 OFFICE FURNITURE AND EQUIPMENT - EQUIPMENT	41,529	149,968
392.1 TRANSPORTATION EQUIPMENT - CARS	35,926	40,509
392.2 TRANSPORTATION EQUIPMENT - TRUCKS	20,007	27,778
392.4 TRANSPORTATION EQUIPMENT - HEAVY TRUCKS	12,379	12,549
394 TOOLS, SHOP AND GARAGE EQUIPMENT	2,701,862	2,686,401
396 POWER OPERATED EQUIPMENT	1,180,475	1,287,018
397 COMMUNICATION EQUIPMENT	367,277	361,315
398 MISCELLANEOUS EQUIPMENT	248,135	249,628
<b>TOTAL GENERAL PLANT</b>	<b>18,952,031</b>	<b>19,955,754</b>
<b>TOTAL DEPRECIABLE GAS PLANT</b>	<b>398,576,997</b>	<b>415,407,092</b>
<b><u>OTHER UTILITY PLANT (PRIOR TO ALLOCATION)*</u></b>		
<b>COMMON PLANT</b>		
390.2 STRUCTURES AND IMPROVEMENTS - LEASED PROPERTY	103816	111,748
391 OFFICE FURNITURE AND EQUIPMENT - FURNITURE	303,177	134,896
391.1 OFFICE FURNITURE AND EQUIPMENT - EQUIPMENT	662,043	636,137
392.1 TRANSPORTATION EQUIPMENT - CARS	47,670	51,742
<b>TOTAL COMMON PLANT</b>	<b>1,116,706</b>	<b>934,523</b>
<b>INFORMATION SERVICES (IS)</b>		
391 OFFICE FURNITURE AND EQUIPMENT - FURNITURE	65,028	65,195
391.1 OFFICE FURNITURE AND EQUIPMENT - EQUIPMENT	2,701,263	2,718,219
391.3 OFFICE FURNITURE AND EQUIPMENT - SYSTEM DEV. COSTS - 10 YEARS	17,373,418	18,463,294
391.4 OFFICE FURNITURE & EQUIPMENT - SYSTEM DEV. COSTS - 15 YEARS	5,237,319	5,241,920
<b>TOTAL INFORMATION SERVICES</b>	<b>25,377,028</b>	<b>26,488,628</b>
<b>TOTAL OTHER UTILITY PLANT</b>	<b>26,388,918</b>	<b>27,311,403</b>
<b>TOTAL GAS AND OTHER PLANT</b>	<b>425,070,731</b>	<b>442,830,243</b>

\* COMMON PLANT AND IS ARE ALLOCATED TO GAS, ELECTRIC, CPG AND PNG DIVISIONS FOR RATEMAKING PURPOSES.

+ THE ACCUMULATED DEPRECIATION RELATED TO FORMER MANUFACTURED GAS PLANT SITES (ACCOUNT 305) IS EXCLUDED.

UGI UTILITIES, INC. - GAS DIVISION

COMPARISON OF CALCULATED ACCRUED DEPRECIATION  
AND BOOK RESERVE AS OF SEPTEMBER 30, 2016

ACCOUNT (1)	CALCULATED ACCRUED DEPRECIATION (2)	BOOK RESERVE+ (3)
<b>GAS PLANT</b>		
<b>DISTRIBUTION PLANT</b>		
375 STRUCTURES AND IMPROVEMENTS	1,183,545	1,418,237
376.1 MAINS - PRIMARILY STEEL	76,290,270	81,012,984
376.2 MAINS - CAST IRON	2,013,719	948,859
376.3 MAINS - PLASTIC	99,376,594	104,744,900
376.5 MAINS - PRIMARILY WROUGHT IRON	241,076	251,609
378 MEASURING AND REGULATING STATION EQUIPMENT - GENERAL	6,163,163	5,504,159
378.1 MEASURING AND REGULATING STATION EQUIPMENT - SCADA	589,626	552,033
379 MEASURING AND REGULATING STATION EQUIPMENT - CITY GATE	2,514,620	3,117,129
380 SERVICES	154,278,961	151,746,171
381 METERS	16,529,486	16,042,134
381.2 ELECTRONIC METERS	5,292,047	6,153,915
382 METER INSTALLATIONS	20,288,529	22,269,526
383 HOUSE REGULATORS	2,216,776	1,471,024
384 HOUSE REGULATOR INSTALLATIONS	3,488,688	4,125,458
385 INDUSTRIAL MEASURING AND REGULATING STATION EQUIPMENT	2,820,918	3,626,106
386 OTHER PROPERTY ON CUSTOMERS PREMISES	107,318	124,217
386.1 OTHER PROPERTY ON CUSTOMERS PREMISES - FARM TAPS	475,687	568,144
386.2 OTHER PROPERTY ON CUSTOMERS PREMISES - GAS LIGHTS	20,822	23,303
386.3 OTHER PROPERTY ON CUSTOMER PREMISES - CNG REFUELING STATION		518
387 OTHER EQUIPMENT	938,250	980,326
387.1 OTHER EQUIPMENT - GRAPHIC DATA BASE	1,435,619	1,441,917
<b>TOTAL DISTRIBUTION PLANT</b>	<b>396,265,714</b>	<b>406,122,669</b>
<b>GENERAL PLANT</b>		
390.1 STRUCTURES AND IMPROVEMENTS	14,211,160	14,910,911
390.2 STRUCTURES AND IMPROVEMENTS - LEASED PROPERTY	3,429	3,664
391 OFFICE FURNITURE AND EQUIPMENT - FURNITURE	920,060	918,983
391.1 OFFICE FURNITURE AND EQUIPMENT - EQUIPMENT	56,236	147,242
392.1 TRANSPORTATION EQUIPMENT - CARS	36,817	40,602
392.2 TRANSPORTATION EQUIPMENT - TRUCKS	42,139	27,988
392.4 TRANSPORTATION EQUIPMENT - HEAVY TRUCKS	12,514	12,549
394 TOOLS, SHOP AND GARAGE EQUIPMENT	3,017,282	2,999,217
396 POWER OPERATED EQUIPMENT	1,200,725	1,302,234
397 COMMUNICATION EQUIPMENT	423,581	419,928
398 MISCELLANEOUS EQUIPMENT	263,114	261,197
<b>TOTAL GENERAL PLANT</b>	<b>20,187,057</b>	<b>21,044,515</b>
<b>TOTAL DEPRECIABLE GAS PLANT</b>	<b>416,452,771</b>	<b>427,167,184</b>
<b>OTHER UTILITY PLANT (PRIOR TO ALLOCATION)*</b>		
<b>COMMON PLANT</b>		
390.2 STRUCTURES AND IMPROVEMENTS - LEASED PROPERTY	119839	125,499
391 OFFICE FURNITURE AND EQUIPMENT - FURNITURE	324,156	113,662
391.1 OFFICE FURNITURE AND EQUIPMENT - EQUIPMENT	105,850	55,280
392.1 TRANSPORTATION EQUIPMENT - CARS	52,188	57,401
<b>TOTAL COMMON PLANT</b>	<b>602,033</b>	<b>351,842</b>
<b>INFORMATION SERVICES (IS)</b>		
391 OFFICE FURNITURE AND EQUIPMENT - FURNITURE	55,656	55,458
391.1 OFFICE FURNITURE AND EQUIPMENT - EQUIPMENT	2,182,521	2,065,289
391.3 OFFICE FURNITURE AND EQUIPMENT - SYSTEM DEV. COSTS - 10 YEARS	8,882,880	9,368,820
391.4 OFFICE FURNITURE & EQUIPMENT - SYSTEM DEV. COSTS - 15 YEARS	5,940,982	5,944,881
<b>TOTAL INFORMATION SERVICES</b>	<b>17,062,039</b>	<b>17,434,448</b>
<b>TOTAL OTHER UTILITY PLANT</b>	<b>17,544,233</b>	<b>17,660,791</b>
<b>TOTAL GAS AND OTHER PLANT</b>	<b>434,116,843</b>	<b>444,953,474</b>

\* COMMON PLANT AND IS ARE ALLOCATED TO GAS, ELECTRIC, CPG AND PNG DIVISIONS FOR RATEMAKING PURPOSES.

+ THE ACCUMULATED DEPRECIATION RELATED TO FORMER MANUFACTURED GAS PLANT SITES (ACCOUNT 305) IS EXCLUDED.

UGI UTILITIES, INC. - GAS DIVISION

COMPARISON OF CALCULATED ACCRUED DEPRECIATION  
AND BOOK RESERVE AS OF SEPTEMBER 30, 2017

ACCOUNT (1)	CALCULATED ACCRUED DEPRECIATION (2)	BOOK RESERVE+ (3)
<b><u>GAS PLANT</u></b>		
<b>DISTRIBUTION PLANT</b>		
375 STRUCTURES AND IMPROVEMENTS	1,208,169	1,446,653
376.1 MAINS - PRIMARILY STEEL	75,994,809	78,311,541
376.2 MAINS - CAST IRON	1,816,932	788,879
376.3 MAINS - PLASTIC	107,128,620	112,315,208
376.5 MAINS - PRIMARILY WROUGHT IRON	242,573	254,942
378 MEASURING AND REGULATING STATION EQUIPMENT - GENERAL	6,466,739	5,149,506
378.1 MEASURING AND REGULATING STATION EQUIPMENT - SCADA	672,841	660,294
379 MEASURING AND REGULATING STATION EQUIPMENT - CITY GATE	2,555,513	3,093,712
380 SERVICES	163,331,774	159,613,547
381 METERS	17,492,528	17,159,112
381.2 ELECTRONIC METERS	5,498,179	6,264,387
382 METER INSTALLATIONS	21,354,879	23,154,952
383 HOUSE REGULATORS	2,286,519	1,667,308
384 HOUSE REGULATOR INSTALLATIONS	3,643,767	4,220,552
385 INDUSTRIAL MEASURING AND REGULATING STATION EQUIPMENT	2,867,238	3,586,364
386 OTHER PROPERTY ON CUSTOMERS PREMISES	113,857	131,585
386.1 OTHER PROPERTY ON CUSTOMERS PREMISES - FARM TAPS	490,593	583,957
386.2 OTHER PROPERTY ON CUSTOMERS PREMISES - GAS LIGHTS	21,217	23,592
386.3 OTHER PROPERTY ON CUSTOMER PREMISES - CNG REFUELING STATION		1,036
387 OTHER EQUIPMENT	896,003	848,337
387.1 OTHER EQUIPMENT - GRAPHIC DATA BASE	1,440,944	1,446,389
<b>TOTAL DISTRIBUTION PLANT</b>	<b>415,523,494</b>	<b>420,721,853</b>
<b>GENERAL PLANT</b>		
390.1 STRUCTURES AND IMPROVEMENTS	15,071,283	15,682,103
390.2 STRUCTURES AND IMPROVEMENTS - LEASED PROPERTY	5,716	5,878
391 OFFICE FURNITURE AND EQUIPMENT - FURNITURE	999,029	998,122
391.1 OFFICE FURNITURE AND EQUIPMENT - EQUIPMENT	68,442	138,845
392.1 TRANSPORTATION EQUIPMENT - CARS	37,539	40,635
392.2 TRANSPORTATION EQUIPMENT - TRUCKS	104,241	89,061
392.4 TRANSPORTATION EQUIPMENT - HEAVY TRUCKS	12,549	12,549
394 TOOLS, SHOP AND GARAGE EQUIPMENT	3,367,991	3,331,267
396 POWER OPERATED EQUIPMENT	1,218,240	1,315,394
397 COMMUNICATION EQUIPMENT	420,920	416,447
398 MISCELLANEOUS EQUIPMENT	342,071	339,529
<b>TOTAL GENERAL PLANT</b>	<b>21,648,021</b>	<b>22,369,830</b>
<b>TOTAL DEPRECIABLE GAS PLANT</b>	<b>437,171,515</b>	<b>443,091,683</b>
<b><u>OTHER UTILITY PLANT (PRIOR TO ALLOCATION)*</u></b>		
<b>COMMON PLANT</b>		
390.2 STRUCTURES AND IMPROVEMENTS - LEASED PROPERTY	135,861	139,250
391 OFFICE FURNITURE AND EQUIPMENT - FURNITURE	343,551	164,240
391.1 OFFICE FURNITURE AND EQUIPMENT - EQUIPMENT	131,065	112,023
392.1 TRANSPORTATION EQUIPMENT - CARS	56,187	61,742
<b>TOTAL COMMON PLANT</b>	<b>666,664</b>	<b>477,255</b>
<b>INFORMATION SERVICES (IS)</b>		
391 OFFICE FURNITURE AND EQUIPMENT - FURNITURE	59,227	59,106
391.1 OFFICE FURNITURE AND EQUIPMENT - EQUIPMENT	1,887,173	1,746,659
391.3 OFFICE FURNITURE AND EQUIPMENT - SYSTEM DEV. COSTS - 10 YEARS	4,780,974	4,843,763
391.4 OFFICE FURNITURE & EQUIPMENT - SYSTEM DEV. COSTS - 15 YEARS	6,652,425	6,654,743
<b>TOTAL INFORMATION SERVICES</b>	<b>13,379,799</b>	<b>13,304,271</b>
<b>TOTAL OTHER UTILITY PLANT</b>	<b>13,910,602</b>	<b>13,642,276</b>
<b>TOTAL GAS AND OTHER PLANT</b>	<b>451,217,978</b>	<b>456,873,209</b>

\* COMMON PLANT AND IS ARE ALLOCATED TO GAS, ELECTRIC, CPG AND PNG DIVISIONS FOR RATEMAKING PURPOSES.

+ THE ACCUMULATED DEPRECIATION RELATED TO FORMER MANUFACTURED GAS PLANT SITES (ACCOUNT 305) IS EXCLUDED.

UGI Utilities, Inc. - Gas Division  
Docket No. R-2015-2518438  
2016 Base Rate Case  
Responses to Section 53.53 - I-A - Valuation - All Utilities  
Delivered on January 19, 2016

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I-A-6

Request:

Supply a schedule by account and depreciable group showing the survivor curve and annual accrual rate estimated to be appropriate:

- a. For the purposes of this filing.
- b. For the purposes of the most recent rate increase filing prior to the current proceedings.

(i) Supply a comprehensive statement of any changes made in method of depreciation and in the selection of average service lives and dispersion.

Response:

a. Refer to Table 1 in Exhibit C (Historic), Table 1 in Exhibit C (Future) and Table 1 in Exhibit C (Fully Projected) for schedules showing the estimated survivor curves and accrual rates by account and depreciable group.

b. Refer to Attachment I-A-6 for the survivor curves and annual accrual rates estimated to be appropriate in the most recent prior rate filing.

b(i). The depreciation methods and procedures used in this filing are the same as those used in the previous filing.

The survivor curve estimates are based on an updated service life study as described in Part III of Exhibit C (Future). The service life study was updated to include company data through fiscal year-end 2011. The updated service lives and survivor curves were used to calculate depreciation rates as of September 30, 2015, September 30, 2016 and September 30, 2017. The charts and life tables supporting the updated service life study are presented in Part VI of Exhibit C (Future).

The previous rate filing was submitted in January 1995 using a future test year ending September 30, 1995. The service life study in the 1995 filing was based on data through December 31, 1990. The company updates its service life study every five years and submits a report to the Pennsylvania Public Utility Commission (PA PUC) in accordance with 52 Pa. Code Chapter 73.5 and 73.6. There have been 4 updates to the service life study report submitted in the prior rate filing. The most recent service life study report was submitted to the PA PUC in March 2012. Additionally, UGI submits

UGI Utilities, Inc. - Gas Division  
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I-A-6 (Continued)

Annual Depreciation Reports each year in accordance with 52 Pa. Code Chapter 73.3 and 73.4.

The purpose of the regulations set forth in 52 Pa. Code Chapter 73 is to establish uniform and industry-wide reporting requirements designed to improve the Commission's ability to monitor on a regular basis the depreciation and capital planning of utilities subject to Commission jurisdiction.

Prepared by or under the supervision of: John F. Wiedmayer

UGI UTILITIES, INC. - GAS DIVISION

TABLE 1. SUMMARY OF SERVICE LIFE ESTIMATES AND CALCULATED REMAINING LIFE ACCRUALS  
 RELATED TO ORIGINAL COST OF GAS AND ALLOCATED OTHER UTILITY PLANT AT SEPTEMBER 30, 1994

Account (1)	Depreciable Group (2)	Probable Retirement Year (3)	Estimated Survivor Curve (4)	Original Cost (5)	Book Reserve (6)	Future Accruals (7)	Annual Accrual Amount (8)	Annual Accrual Rate (9)
<b>GAS PLANT</b>								
<b>DEPRECIABLE PLANT</b>								
<b>PRODUCTION PLANT</b>								
305	Structures and Improvements		48- R1.5	1,219,381.41	810,382	409,000	20,245	1.66
311	Liquefied Petroleum Gas Equipment							
	Bethlehem Air Compressor	06-2003	Square *	1,066,682.86	524,769	541,913	61,932	5.81
	Other Equipment		34- R2.5	2,817,104.82	988,186	1,828,920	106,963	3.80
	Total Account 311			3,883,787.68	1,512,955	2,370,833	168,895	4.35
320	Other Equipment		27- L1	105,934.22	65,486	40,448	4,338	4.09
	<b>TOTAL PRODUCTION PLANT</b>			<b>5,209,103.31</b>	<b>2,388,823</b>	<b>2,820,281</b>	<b>193,478</b>	<b>3.71</b>
<b>NATURAL GAS PRODUCTION AND GATHERING PLANT</b>								
328.1	Measuring and Regulating Station Structures - Shanksville		Fully Accrued	39,342.86	39,343			
334.2	Measuring and Regulating Station Equipment - Shanksville		Fully Accrued	41,221.44	41,221			
	<b>TOTAL NATURAL GAS PRODUCTION AND GATHERING PLANT</b>			<b>80,564.30</b>	<b>80,564</b>			
<b>OTHER STORAGE PLANT</b>								
361	Structures and Improvements		Various	660,084.58	526,507	133,579	17,069	2.59
362	Gas Holders	06-2002	Square *	1,448,844.17	880,765	568,079	73,301	5.06
363.0	Other Equipment - Purification	06-2002	Square *	242,122.82	188,630	53,493	6,902	2.85
363.1	Other Equipment - Liquefaction	06-1997	Square *	1,153,196.92	1,060,445	92,751	33,728	2.92
363.2	Other Equipment - Vaporizing	06-1997	Square *	622,250.43	576,468	45,783	16,648	2.68
363.3	Other Equipment - Compressor	06-1997	Square *	97,610.13	90,857	6,753	2,456	2.52
363.4	Other Equipment - Measuring and Regulating		Fully Accrued	42,562.95	42,564	-1		
363.5	Other Equipment - Other	06-1997	Square *	647,319.85	626,207	21,113	7,677	1.19
	<b>TOTAL OTHER STORAGE PLANT</b>			<b>4,913,991.85</b>	<b>3,992,443</b>	<b>921,550</b>	<b>157,781</b>	<b>3.21</b>

UGI UTILITIES, INC. - GAS DIVISION

TABLE 1. SUMMARY OF SERVICE LIFE ESTIMATES AND CALCULATED REMAINING LIFE ACCRUALS  
RELATED TO ORIGINAL COST OF GAS AND ALLOCATED OTHER UTILITY PLANT AT SEPTEMBER 30, 1994

Account (1)	Depreciable Group (2)	Probable Retirement Year (3)	Estimated Survivor Curve (4)	Original Cost (5)	Book Reserve (6)	Future Accruals (7)	Annual Accrual Amount (8)	Annual Accrual Rate (9)
TRANSMISSION PLANT								
365.3	Rights of Way - Shanksville		Fully Accrued	90,431.73	90,432			
367.1	Mains - Shanksville		Fully Accrued	641,695.81	641,696			
367.2	Mains - Penn-York Storage	09-1999	Square *	1,202,129.60	312,601	889,529	177,906	14.80
369.1	Measuring and Regulating Station Equipment - Penn-York	09-1999	Square *	221,561.60	58,347	163,215	32,643	14.73
TOTAL TRANSMISSION PLANT				2,155,818.74	1,103,076	1,052,744	210,549	9.77
DISTRIBUTION PLANT								
375	Structures and Improvements		55- S0	456,132.55	182,450	273,683	9,286	2.04
376.1	Mains - Primarily Steel Core System		60- R2.5	142,644,231.95	44,836,327	97,807,906	2,492,740	1.75
	Noncore System	09-2000	Square *	2,142,280.01	511,515	1,630,766	271,802	12.69
Total Account 376.1				144,786,511.96	45,347,842	99,438,672	2,764,542	1.91
376.2	Mains - Cast Iron		75- R0.5	5,561,649.76	2,004,544	3,557,110	91,296	1.64
376.3	Mains - Plastic Core System		50- R2	101,822,434.56	14,018,249	87,804,185	2,542,259	2.50
	Noncore System	09-2000	Square *	983,354.40	131,773	851,582	141,931	14.43
Total Account 376.3				102,805,788.96	14,150,022	88,655,767	2,684,190	2.61
376.5	Mains - Primarily Wrought Iron		60- L1	476,917.34	356,805	120,112	5,258	1.10
377	Compressor Station Equipment		32- S1	89,478.55	50,966	38,513	5,004	5.59
378	Measuring and Regulating Station Equipment - General		41- R1.5	5,997,247.40	1,605,503	4,391,742	173,681	2.90
379	Measuring and Regulating Station Equipment - City Gate		21- L1.5	2,910,330.27	1,056,252	1,854,079	171,005	5.88
380	Services Core System		36- S1	172,393,100.05	44,445,375	127,947,729	5,558,409	3.22
	Noncore System	09-2000	Square *	2,704,847.34	778,557	1,926,292	321,051	11.87
Total Account 380				175,097,947.39	45,223,932	129,874,021	5,879,460	3.36

UGI UTILITIES, INC. - GAS DIVISION

TABLE 1. SUMMARY OF SERVICE LIFE ESTIMATES AND CALCULATED REMAINING LIFE ACCRUALS  
 RELATED TO ORIGINAL COST OF GAS AND ALLOCATED OTHER UTILITY PLANT AT SEPTEMBER 30, 1994

Account (1)	Depreciable Group (2)	Probable Retirement Year (3)	Estimated Survivor Curve (4)	Original Cost (5)	Book Reserve (6)	Future Accruals (7)	Annual Accrual Amount (8)	Annual Accrual Rate (9)
381	Meters							
	Core System		40- S1.5	18,954,228.48	5,791,445	13,162,780	509,746	2.69
	Noncore System	09-2000	Square *	738,094.07	24,566	713,528	118,922	16.11
	Total Account 381			19,692,322.55	5,816,011	13,876,308	628,668	3.19
382	Meter Installations							
	Core System		48- R0.5	17,196,771.55	4,065,769	13,130,997	487,091	2.83
	Noncore System	09-2000	Square *	67,035.56	15,313	51,725	8,625	12.87
	Total Account 382			17,263,807.11	4,081,082	13,182,722	495,716	2.87
383	House Regulators							
	Core System		43- R2.5	2,740,348.38	1,037,243	1,703,111	61,523	2.25
	Noncore System	09-2000	Square *	77,583.58	23,002	54,582	9,100	11.73
	Total Account 383			2,817,931.96	1,060,245	1,757,693	70,623	2.51
384	House Regulator Installations							
	Core System		50- L0.5	3,375,473.09	910,575	2,464,900	84,257	2.50
	Noncore System	09-2000	Square *	96,529.05	28,473	68,055	11,343	11.75
	Total Account 384			3,472,002.14	939,048	2,532,955	95,600	2.75
385	Industrial Measuring and Regulating Station Equipment							
	Core System		34- R1	2,004,137.68	753,138	1,251,000	61,353	3.06
	Noncore System	09-2000	Square *	1,282,714.79	540,326	742,388	123,735	9.65
	Total Account 385			3,286,852.47	1,293,464	1,993,388	185,088	5.63
386	Other Property on Customers Premises		21- R1.5	982,439.96	375,885	606,555	51,755	5.27
386.2	Other Property on Customers Premises - Gas Lights		25- SQ	24,601.14	2,918	21,683	991	4.03
387	Other Equipment		31- L0.5	497,246.61	162,644	334,599	19,319	3.89
387.1	Other Equipment - Graphic Data Base		25- SQ	1,480,282.46	581,778	898,504	58,450	3.95
TOTAL DISTRIBUTION PLANT				487,699,490.58	124,291,391	363,408,106	13,389,932	2.75



UGI UTILITIES, INC. - GAS DIVISION

TABLE 1. SUMMARY OF SERVICE LIFE ESTIMATES AND CALCULATED REMAINING LIFE ACCRUALS  
 RELATED TO ORIGINAL COST OF GAS AND ALLOCATED OTHER UTILITY PLANT AT SEPTEMBER 30, 1994

Account (1)	Depreciable Group (2)	Probable Retirement Year (3)	Estimated Survivor Curve (4)	Original Cost (5)	Book Reserve (6)	Future Accruals (7)	Annual Accrual Amount (8)	Annual Accrual Rate (9)
GENERAL PLANT								
390.1	Structures and Improvements							
	Lancaster Building No. 8		Fully Accrued	96,114.82	96,116	-3		
	Hazleton Plant	09-1996	110- L0 *	87,933.21	81,792	6,141	3,086	3.51
	Allentown Plant	06-2003	110- L0 *	72,258.01	56,706	15,552	1,833	2.54
	Harrisburg Service Building	06-2004	110- L0 *	2,879,699.73	826,877	2,052,826	216,999	7.54
	Lancaster Service Building	06-2029	110- L0 *	2,325,500.93	255,268	2,070,236	75,188	3.23
	Reading Service Building	06-2030	110- L0 *	6,348,847.26	1,578,000	4,770,847	157,098	2.47
	Bethlehem Service Building	06-2040	110- L0 *	2,168,463.55	707,635	1,460,828	38,308	1.77
	Lebanon Service Building	06-2052	110- L0 *	1,994,327.16	114,964	1,879,363	49,180	2.47
	Other Buildings		40- R2	551,945.06	217,115	334,831	16,085	2.91
	Total Account 390.1			16,525,089.73	3,934,473	12,590,621	557,777	3.38
390.2	Structures and Improvements - Leased Property							
	Carlisle	03-1997	Square *	40,511.63	16,450	24,062	9,625	23.76
	Allentown Appliance Office	12-1995	Square *	24,634.63	19,061	5,573	4,458	18.10
	Hazleton Service Building	09-1995	Square *	109,883.75	82,711	27,173	27,173	24.73
	Easton	04-1996	Square *	36,241.51	27,199	9,043	5,723	15.79
	Green Hills	03-2003	Square *	175,136.68	34,097	141,039	16,593	9.47
	Lancaster Retail Store	01-1996	Square *	68,944.26	35,567	33,377	25,095	36.40
	Total Account 390.2			455,352.46	215,085	240,267	88,667	19.47

UGI UTILITIES, INC. - GAS DIVISION

TABLE 1. SUMMARY OF SERVICE LIFE ESTIMATES AND CALCULATED REMAINING LIFE ACCRUALS  
 RELATED TO ORIGINAL COST OF GAS AND ALLOCATED OTHER UTILITY PLANT AT SEPTEMBER 30, 1994

Account (1)	Depreciable Group (2)	Probable Retirement Year (3)	Estimated Survivor Curve (4)	Original Cost (5)	Book Reserve (6)	Future Accruals (7)	Annual Accrual Amount (8)	Annual Accrual Rate (9)
391.0	Office Furniture and Equipment - Furniture		20- SQ	2,731,787.36	800,064	1,931,727	212,049	7.76
391.1	Office Furniture and Equipment - Equipment		5- SQ	2,118,059.03	1,259,580	858,478	290,781	13.73
392.1	Transportation Equipment - Cars		7.5- R3	278,805.35	218,787	60,019	26,857	9.63
392.2	Transportation Equipment - Trucks		10- L3	2,656,919.58	2,169,859	487,062	160,066	6.02
392.4	Transportation Equipment - Heavy Trucks		15- L4	328,762.98	174,281	154,482	19,604	5.96
393	Stores Equipment		10- SQ	132,099.43	71,419	60,680	12,072	9.14
394	Tools, Shop and Garage Equipment		20- SQ	1,574,168.92	568,840	1,005,331	129,288	8.21
396	Power Operated Equipment		12- L2	1,832,834.70	1,251,878	580,958	112,570	6.14
397	Communication Equipment		10- SQ	1,216,588.44	667,995	548,594	167,431	13.76
398	Miscellaneous Equipment		10- SQ	386,391.03	200,027	186,365	54,946	14.22
TOTAL GENERAL PLANT				30,236,859.01	11,532,288	18,704,584	1,832,108	6.06
TOTAL DEPRECIABLE PLANT - GAS DIVISION				530,295,827.79	143,388,585	386,907,265	15,783,848	2.98
NONDEPRECIABLE PLANT								
302.1	Franchises & Consents - Perpetual			20,148.72				
302.2	Franchises & Consents - Limited Term			8,107.21				
304.1	Land & Land Rights - Land			381,132.44				
304.2	Land & Land Rights - Land Rights			6,454.11				
360.1	Land & Land Rights - Land			80,760.80				
360.2	Land & Land Rights - Land Rights			7,553.00				
369	Measuring and Regulating Station Equipment - Somerset			22,106.84				
374.1	Land & Land Rights - Land			232,579.20				
374.2	Land & Land Rights - Land Rights			675,823.60				
389.1	Land & Land Rights - Land			528,601.48				
389.2	Land & Land Rights - Land Rights			1,312.71				
TOTAL NONDEPRECIABLE PLANT				1,964,580.11				
TOTAL GAS PLANT IN SERVICE				532,260,407.90	143,388,585	386,907,265	15,783,848	

UGI UTILITIES, INC. - GAS DIVISION

TABLE 1. SUMMARY OF SERVICE LIFE ESTIMATES AND CALCULATED REMAINING LIFE ACCRUALS  
 RELATED TO ORIGINAL COST OF GAS AND ALLOCATED OTHER UTILITY PLANT AT SEPTEMBER 30, 1994

Account (1)	Depreciable Group (2)	Probable Retirement Year (3)	Estimated Survivor Curve (4)	Original Cost (5)	Book Reserve (6)	Future Accruals (7)	Annual Accrual Amount (8)	Annual Accrual Rate (9)
OTHER UTILITY PLANT ALLOCATED TO GAS DIVISION								
COMMON PLANT								
301	Organization		Nondepreciable	138,963.52				
390.2	Structures and Improvements - Leased Property	12-1995	Square *	1,448,677.43	1,381,149	67,530	54,025	3.73
391	Office Furniture and Equipment - Furniture		20- SQ	1,206,959.29	858,307	348,651	44,923	3.72
391.1	Office Furniture and Equipment - Equipment		5- SQ	475,661.74	193,716	281,946	81,348	17.10
392.1	Transportation Equipment - Car		4- S2	264,025.09	127,191	136,833	64,311	24.36
397	Communication Equipment		10- SQ	136,720.58	42,098	94,623	17,410	12.73
398	Miscellaneous Equipment		10- SQ	24,554.84	15,729	8,826	2,034	8.28
TOTAL COMMON PLANT				3,695,562.49	2,618,190	938,409	264,051	7.15
TOTAL COMMON PLANT ALLOCATED TO GAS DIVISION - 39%				1,441,269.37	1,021,094	365,980	102,980	
INFORMATION SERVICES (IS)								
391.0	Office Furniture and Equipment - Furniture		20- SQ	157,994.59	39,193	118,801	19,465	12.32
391.1	Office Furniture and Equipment - Electronic Equipment		5- SQ	273,212.86	140,589	132,623	50,952	18.65
391.2	Office Furniture & Equipment - System Development Costs		5- SQ	2,496,238.38	1,134,538	1,361,700	487,780	19.54
TOTAL INFORMATION SERVICES				2,927,445.83	1,314,320	1,613,124	558,197	19.07
TOTAL INFORMATION SERVICES ALLOCATED TO GAS DIVISION - 82%				2,400,505.58	1,077,742	1,322,762	457,722	
LESS READING SERVICE BUILDING ALLOCATED TO ELECTRIC DIVISION								
390.1	Structures and Improvements			1,034,700.00	235,909	798,791	26,299	2.54
TOTAL READING SERVICE BUILDING ALLOCATED TO ELECTRIC DIVISION - 18%				186,246.00	42,464	143,782	4,734	
TOTAL OTHER UTILITY PLANT ALLOCATED TO GAS PLANT				3,655,528.95	2,056,372	1,544,960	555,968	15.21
TOTAL PLANT IN SERVICE				535,915,936.85	145,444,957	388,452,225	16,339,816	

UGI UTILITIES, INC. - GAS DIVISION

TABLE 1. SUMMARY OF SERVICE LIFE ESTIMATES AND CALCULATED REMAINING LIFE ACCRUALS  
 RELATED TO ORIGINAL COST OF GAS AND ALLOCATED OTHER UTILITY PLANT AT SEPTEMBER 30, 1994

Account (1)	Depreciable Group (2)	Probable Retirement Year (3)	Estimated Survivor Curve (4)	Original Cost (5)	Book Reserve (6)	Future Accruals (7)	Annual Accrual Amount (8)	Annual Accrual Rate (9)
CONSTRUCTION WORK IN PROGRESS								
GAS PLANT								
311	Liquefied Petroleum Gas Equipment		34- R2.5	6,000.00		6,000	238	3.97
361	Structures and Improvements	06-2002	Square *	27,000.00		27,000	3,484	12.90
374.2	Land Rights		Nondepreciable	499,000.00				
376.1	Mains - Steel		60- R2.5	3,072,000.00		3,072,000	70,217	2.29
376.3	Mains - Plastic		50- R2	1,446,000.00		1,446,000	44,193	3.06
378	Measuring and Regulating Station Equipment - General		41- R1.5	42,000.00		42,000	1,824	4.34
379	Measuring and Regulating Station Equipment - City Gate		21- L1.5	250,000.00		250,000	17,385	6.95
385	Industrial Measuring and Regulating Station Equipment		34- R1	35,000.00		35,000	2,072	5.92
390.1	Structures and Improvements	06-2030	110- L0 *	4,000.00		4,000	146	3.65
391.0	Office Furniture and Equipment - Furniture		20- SQ	8,000.00		8,000	400	5.00
391.1	Office Furniture and Equipment - Electronic Equipment		5- SQ	629,000.00		629,000	125,800	20.00
TOTAL CONSTRUCTION WORK IN PROGRESS - GAS PLANT				6,018,000.00	0	5,519,000	265,759	4.82
INFORMATION SERVICES (IS)								
391.1	Office Furniture and Equipment - Electronic Equipment		5- SQ	10,000.00		10,000	2,000	20.00
391.2	Office Furniture & Equipment - System Development Costs		5- SQ	325,000.00		325,000	65,000	20.00
TOTAL CONSTRUCTION WORK IN PROGRESS - INFORMATION SERVICES				335,000.00	0	335,000	67,000	20.00
TOTAL CWIP - IS ALLOCATED TO GAS DIVISION - 82%				274,700.00	0	274,700	54,940	
TOTAL CONSTRUCTION WORK IN PROGRESS				6,292,700.00	0	5,793,700	320,699	5.54
AMORTIZATION OF NEGATIVE NET SALVAGE							515,172	
GRAND TOTAL - GAS DIVISION				542,208,636.85	145,444,957		17,175,687	

\* Life Span Account - Interim Survivor Curve Shown

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I-A-7

Request:

Provide a table, showing the cumulative depreciated original cost by year of installation for utility plant in service at the end of the test year (depreciable plant only) as claimed in the measures of value, in the following form:

- a. Year installed.
- b. Original cost--the total surviving cost associated with each installation year from all plant accounts.
- c. Calculated depreciation reserve--the calculated depreciation reserve associated with each installation year from all plant accounts.
- d. Depreciated original cost--(Column B minus Column C).
- e. Total--cumulation year by year of the figures from Column D.
- f. Column E divided by the total of the figure in Column D

Response:

The information is provided in Exhibit C (Fully Projected) in Part III for the fully projected test year ended September 30, 2017; in Exhibit C (Future) in Part VII for the future test year ended September 30, 2016; and in Exhibit C (Historic) in Part III for the historic test year ended September 30, 2015. The information is set forth in the section titled "Cumulative Depreciated Original Cost."

Prepared by or under the supervision of: John F. Wiedmayer

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I-A-8

Request:

Provide a description of the trending methodology which was utilized. Identify all indexes which were used (include all backup workpapers) and the reasons particular indexes were chosen. If indexes were spliced, indicate which years were utilized in any splices. If indexes were composited, show all supporting calculations. Include any analysis made to "test" the applicability of any indexes.

a. Supply a comprehensive statement of any changes made in the selection of trend factors or in the methodology used in the current rate filing compared to the most recent previous rate filing.

Response:

Trended original cost is omitted in accordance with 52 Pa. Code Section 53.51(c).

Prepared by or under the supervision of: John F. Wiedmayer

UGI Utilities, Inc. - Gas Division  
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I-A-9

Request:

Provide an exhibit indicating the spot trended original cost at test year end by vintage by account and include applicable depreciation reserves. Include totals by account for all other trended measures of value.

Response:

Trended original cost is omitted in accordance with 52 Pa. Code Section 53.51(c).

Prepared by or under the supervision of: John F. Wiedmayer

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I-A-10

Request:

Supply an exhibit indicating the percentages of undepreciated original cost which were trended with the following indexes:

- a. Boeckh
- b. Handy-Whitman
- c. Indexes developed from suppliers' prices.
- d. Indexes developed from company records and company price histories.
- e. Construction equipment.
- f. Government statistical releases.

Response:

Trended original cost is omitted in accordance with 52 Pa. Code Section 53.51(c).

Prepared by or under the supervision of: John F. Wiedmayer



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I-A-11

Request:

Provide a table, showing the cumulative trended depreciated original cost (at the spot price level) by year of installation for utility plant in service at the end of the test year (depreciable plant only) as claimed in the measures of value, in the following form:

- a. Year installed.
- b. Trended original cost (at the spot price level)--the total surviving cost associated with each installation year from all plant accounts.
- c. Trended calculated depreciation reserve--the calculated depreciation reserve associated with each installation year from all plant accounts.
- d. Depreciated trended original cost--(Column B minus Column C).
- e. Total--cumulation year by year of the figures from Column D.
- f. Column E divided by the total of the figures in Column D.

Response:

Trended original cost is omitted in accordance with 52 Pa. Code Section 53.51(c).

Prepared by or under the supervision of: John F. Wiedmayer

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I-A-12

Request:

If a claim is made for construction work in progress, include, in the form of an exhibit, the summary page from all work orders, amount expended at the end of the test year and anticipated in-service dates. Indicate if any of the construction work in progress will result in insurance recoveries, reimbursements, or retirements of existing facilities. Describe in exact detail the necessity of each project claimed if not detailed on the summary page from the work order. Include final completion date and estimated total amounts to be spent on each project.

[These exhibits should be updated at the conclusion of these proceedings.]

Response:

No claim is being made for construction work in progress.

Prepared by or under the supervision of: Ann P. Kelly

UGI Utilities, Inc. - Gas Division  
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I-A-13

Request:

If a claim is made for non-revenue producing construction work in progress, include, in the form of an exhibit, the summary page from all work orders, amount expended at the end of the test year and anticipated in-service dates. Indicate if any of the construction work in progress will result in insurance recoveries, reimbursements, or retirements of existing facilities. Describe in exact detail the necessity of each project claimed if not detailed on the summary page from the work order. Include final completion date and estimated total amounts to be spent on each project.

[These exhibits should be updated at the conclusion of these proceedings.]

Response:

No claim is being made for construction work in progress.

Prepared by or under the supervision of: Ann P. Kelly

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I-A-14

Request:

If a claim is made for plant held for future use, supply the following

- a. A brief description of the plant or land site and its cost.
- b. Expected date of use for each item claimed.
- c. Explanation as to why it is necessary to acquire each item in advance of its date of use.
- d. Date when each item was acquired.
- e. Date when each item was placed in plant held for future use.

Response:

No claim is being made for "plant held for future use."

Prepared by or under the supervision of: Ann P. Kelly

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I-A-15

Request:

If materials and supplies comprise part of the cash working capital claim, attach an exhibit showing the actual book balances for materials and supplies by month for the thirteen months prior to the end of the test year. Explain any abrupt changes in monthly balances.

[Explain method of determining claim if other than that described above.]

Response:

UGI Gas has increased its materials and supplies inventory over the past year in order to:

1) Increase its level of emergency stock in response to the Materials Management Recommendation No. 1 to the Focused Management and Operations Audit Docket Nos. D-2011-2221061, D-2011-2221062, and D-2001-2221063.

2) Increase the level of larger pipe sizes which require longer lead times in order to comply with the Company's capital requirements.

Please see Attachment I-A-15 for a listing of inventory balances from September 30, 2014 through September 30, 2015.

Prepared by or under the supervision of: Ann P. Kelly

UGI Utilities, Inc. - Gas Division  
Materials and Supplies Inventory

Month	(000's) Balances
September, 2014	3,535
October, 2014	3,408
November, 2014	3,556
December, 2014	3,757
January, 2015	3,784
February, 2015	3,853
March, 2015	3,967
April, 2015	3,914
May, 2015	4,253
June, 2015	4,318
July, 2015	4,295
August, 2015	4,559
September, 2015	4,212

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I-A-16

Request:

If fuel stocks comprise part of the cash working capital claim, provide an exhibit showing the actual book balances (quantity and price) for the fuel inventories by type of fuel for the thirteen months prior to the end of the test year by location, station, etc.

[Explain the method of determining claim if other than that described above.]

Response:

No claim is being made for fuel stocks.

Prepared by or under the supervision of: Ann P. Kelly

UGI Utilities, Inc. - Gas Division  
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I-A-17

Request:

Regardless of whether a claim for net negative or positive salvage is made, attach an exhibit showing gross salvage, cost of removal, and net salvage for the test year and four previous years by account.

Response:

The information related to the historic test year is presented in Part IV of Exhibit C (Historic) in the section titled "Experienced Net Salvage." The information related to the future test year is set forth in Part VIII of Exhibit C (Future) in the section titled "Experienced and Estimated Net Salvage." The information related to the fully projected test year is set forth in Part IV of Exhibit C (Fully Projected) in the section titled "Experienced and Estimated Net Salvage."

Prepared by or under the supervision of: John F. Wiedmayer



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I-A-18

Request:

Explain in detail by statement or exhibit the appropriateness of claiming any additional items, not previously mentioned, in the measures of value.

Response:

All measures of value have been fully disclosed in UGI Exhibit A (Historic), UGI Exhibit A (Future) and UGI Exhibit A (Fully Projected), Schedules A-1 and C-1 through C-8. as well as the Direct Testimony of Ann P. Kelly, UGI Gas Statement No. 2.

Prepared by or under the supervision of: Ann P. Kelly

UGI Utilities, Inc. - Gas Division  
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Responses to Section 53.53 - I-C - Valuation - Gas Utilities  
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I-C-1

Request:

Provide, with respect to the scope of operations of the utility, a description of all property, including an explanation of the system's operation, and all plans for any significant future expansion, modification, or other alteration of facilities.

This description should include, but not be limited to the following:

- a. If respondent has various gas service areas, indicate if they are integrated, such that the gas supply is available to all customers.
- b. Provide all pertinent data regarding company policy related to the addition of new consumers in the company's service area.
- c. Explain how respondent obtains its gas supply, as follows:
  - (i) Explain how respondent stores or manufactures gas; if applicable.
  - (ii) State whether the company has peak shaving facilities.
  - (iii) Provide details of coal-gasification programs, if any.
  - (iv) Describe the potential for emergency purchases of gas.
  - (v) Provide the amount of gas in MCF supplied by various suppliers in the test year (include a copy of all contracts).
  - (vi) Provide the amount of gas in MCF supplied from company-owned wells during the test year.
- d. Provide plans for future gas supply, as follows:
  - (i) Supply details of anticipated gas supply from respondent's near-term development of gas wells, if any.
  - (ii) Provide gas supply agreements and well development ventures and identify the parties thereto.

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I-C-1 (Continued)

e. Indicate any anticipated curtailments and explain the reasons for the curtailments.

f. Provide current data on any Federal Power Commission action or programs that may affect, or tend to affect, the natural gas supply to the gas utility.

Response:

See Attachment I-C-1 and Appendix I-C-1.

Prepared by or under the supervision of: Hans G. Bell

UGI Utilities, Inc.  
I. Valuation  
C. Gas Utilities

- a. UGI's gas system consists of approximately 5,525 miles of distribution main and 118 miles of transmission lines served primarily from 33 city gate stations or interconnections with interstate pipelines. The distribution system served approximately 371,700 customers as of September 30, 2015. 90 percent of the customers are residential.

UGI distributes natural gas to areas across Pennsylvania lying within the Counties of Berks, Bucks, Carbon, Chester, Cumberland, Dauphin, Franklin, Lancaster, Lebanon, Lehigh, Luzerne, Montgomery, Northampton, Monroe, Schuylkill, and York.

UGI distribution systems are fed directly by three interstate pipelines, Texas Eastern Transmission Corporation ("Texas Eastern"), Columbia Gas Transmission ("Columbia"), and Transcontinental Gas Pipe Line Corporation ("Transco"). Some distribution systems are fed by multiple pipelines and others are isolated feeds.

- b. UGI pursues the addition of new and expanded load in the residential, commercial, and industrial market areas. UGI follows its tariff guidelines in obtaining these additions.

UGI's tariff guidelines define the rate schedule the customer can utilize, the investment UGI makes to obtain the customer and all other aspects of the Company's business.

Beyond the tariff provisions, the other controlling factors in obtaining new load would be the availability of interstate pipeline capacity, gas supply and UGI's distribution system.

All customer additions are administered through the Marketing Department. All new customer requests are in the form of a gas application. Once the application has been reviewed for distribution system adequacy, credit and cost, an approval letter is sent to the customer. If a new meter, service or main is required, the work is also scheduled at the time of approval.

- c. (i) UGI does not manufacture gas. UGI has no gas storage facilities.  
(ii) UGI has no peak shaving facilities.  
(iii) UGI has no coal gasification programs.  
(iv) UGI does not anticipate the purchase of emergency gas.  
(v) The table below sums the purchases made from various producers from October 2014 through September 2015. The producer names have been replaced with alphabetic letters for confidentiality reasons. The purchases are typically made under the provision of a standard GISB or NAESB contract. Most contracts have special provisions adding language that may not have been contemplated when the GISB or NAESB contracts were first developed.

Supplier	Purchased Volume (mcf)
A	12,158,939
B	8,324,847
C	4,130,908
D	3,488,317
E	2,789,034
F	2,406,290
G	1,781,768
H	1,629,837
I	1,482,276
J	1,252,098
K	889,673
L	590,703
M	397,717
N	384,237
O	349,689
P	71,960
Q	46,021
R	34,622
S	11,409
T	9,772
U	1,472
V	1,402
W	1,049
X	317
Y	157
Z	126
AA	115
BB	112
CC	100
DD	12
EE	3
Total	42,234,982

- (vi) There was no production from UGI-owned wells during the test year.
- d. (i) UGI does not anticipate any development of company-owned gas wells.
- (ii) UGI does not have any supply agreements for gas purchases from local on-system production or well development ventures.

- e. UGI does not anticipate curtailments for the system.
- f. UGI monitors FERC activity and evaluates pending impacts to rate payers. Attached is Appendix I-C-1 which lists the FERC proceedings in which UGI intervened.

**FERC Filings Potentially Impacting UGI Utilities**

Docket Number	Description	Date
RP15-1272-000	Transcontinental Gas Pipe Line Company, LLC submits filing Annual Cash-Out Report Period Ending July 31, 2015	9/29/2015
RP15-1290-000	Transcontinental Gas Pipe Line Company, LLC submits filing DPEs - NYFG and UGI	9/25/2015
RP15-1246-000	Columbia Gulf submits FTS-2 Out of Path Refund Report of Columbia Gulf Transmission	9/14/2015
RP15-1240-000	Texas Eastern Transmission, LP submits Operational Entitlements Filing	9/3/2015
RP15-1243-000	Columbia Gulf submits Cash Out Filing to be effective 10/1/2015	9/3/2015
RP15-1212-000	Transcontinental Gas Pipe Line Company, LLC submits filing to revise Cash Out Reference Spot Prices	8/31/2015
RP15-1199-000	Texas Eastern Transmission, LP OPEN Project 9-15-2015 In-Service Negotiated Rates Filing	8/24/2015
RP15-1176-000	Transcontinental Gas Pipe Line Company, LLC Report of Refund Transco's GSS LSS Customer Share of DTI Penalty Revenue 2015	8/5/2015
RP15-1128-000	Columbia Gas Transmission, LLC application to obtain off-system capacity on Millennium Pipeline Company	8/4/2015
PF15-9-000	UGI Energy Services Application for Sunbury Pipeline Project	8/3/2015
CP15-520-000	Tennessee Gas Pipeline Company Application for Triad Expansion Project	7/27/2015
RP15-1110-000	Dominion Transmission, Inc submits Overrun and Penalty Revenue Distribution	7/6/2015
CP15-492-000	Dominion Transmission, Inc. Application for a Certificate of Public Convenience and Necessity for the Leidy South Project	6/22/2015

CP15-512-000	Columbia Application to replace of natural gas compressors	6/15/2015
CP15-514-000	Columbia Gas Transmission, LLC Application for the Leach XPress Project	6/15/2015
CP15-495-000	Columbia Gas Transmission, LLC Application to Abandon a Section of Line 138 and Construct a 2-inch Lateral	5/22/2015
RP15-990-000	Tennessee Gas Pipeline Company, L.L.C. submits rate Settlement - 2015 - pro forma to be effective 11/1/2015	5/22/2015
CP15-133-000	Columbia Gas Transmission, LLC Application to abandon by sale to Mountaineer Gas Company in West Virginia	4/10/2015
CP15-138-000	Transcontinental Gas Pipe Line Company, LLC application for Atlantic Sunrise Project	4/10/2015
CP15-150-000	Columbia Gas Transmission, LLC WB2VA Integrity Project Application	4/10/2015
CP15-153-000	Columbia Application for Downingtown compressor replacement project	4/10/2015
RP15-835-000	Columbia Gas Transmission, LLC submits TCRA 2015 Compliance Filing	4/8/2015
RP15-838-000	Columbia Gas Transmission, LLC submits OTRA tariff filing - Summer 2015	4/8/2015
CP15-148	Tennessee Gas Pipeline Company Application for Susquehanna West Project	4/6/2015
RP15-785-000	ANR Pipeline Company submits tariff filing for DTCA 2015	4/1/2015



CP15-118-000	Transcontinental Gas Pipe Line Company, LLC submits supplemental information regarding the Virginia Southside Expansion Project II	3/27/2015
CP15-117-000	Transcontinental Gas Pipe Line Company, LLC submits a 7(c) application authorizing the Dalton Expansion Project	3/27/2015
RP15-656-000	Transcontinental Gas Pipe Line Company, LLC filing per 154.403: LSS and SS-2 Fuel Tracker Filing 2015 to be effective 4/1/2015	3/19/2015
CP15-95-000	Columbia Gas Transmission, LLC submits Application to replace certain bare steel pipe in Pennsylvania as part of its modernization program.	3/11/2015
CP15-87-000	Columbia Gas Transmission, LLC submits Application to Construct new 24-inch pipeline	3/11/2015
CP15-89-000	Transcontinental Gas Pipe Line Company, LLC submits a Section 7(c) certificate application for its Garden State Expansion Project	3/6/2015
RP15-574-000	Tennessee Gas Pipeline Company, L.L.C. filing per 154.204: Fuel Tracker 2015 to be effective 4/1/2015	3/2/2015
RP15-557-000	Columbia Gulf Transmission, LLC filing per 154.204: TRA 2015 to be effective 4/1/2015	3/2/2015
RP15-554-000	Columbia Gas Transmission, LLC filing per 154.403(d)(2): TCRA 2015 to be effective 4/1/2015	3/2/2015
RP15-553-000	Gas Transmission, LLC filing per 154.403: EPCA 2015 to be effective 4/1/2015	3/2/2015
RP15-518-000	Transcontinental Gas Pipe Line Company, LLC filing per 154.403: Annual Electric Power Tracker Filing effective April 1, 2015 to be effective 4/1/2015	2/26/2015
RP15-498-000	Transcontinental Gas Pipe Line Company, LLC tariff filing per 154.403(d)(2): 2015 Annual Fuel Tracker to be effective 4/1/2015	2/25/2015
CP15-88-000	Tennessee Gas Pipeline Company, L.L.C. tariff filing for Authorization to Abandon Certain Mainline Facilities	2/25/2015
RP15-460-000	Texas Eastern Transmission, LP tariff filing per 154.203: TETLP Mainline-Lateral Fuel	2/19/2015
RP15-296-000	Columbia Gas Transmission, LLC submits its Penalty Revenue Crediting Report of under RP15-296	12/30/2014

RP15-294-000	Texas Eastern Transmission, LP tariff filing EPC FEB 2015 FILING to be effective 2/1/2015	12/30/2014
RP15-286-000	Columbia Gulf Transmission, LLC submits its Penalty Revenue Crediting Report	12/30/2014
RP15-284-000	Columbia Gas Transmission, LLC submits Environmental Filing 2014 to be effective 2/1/2015	12/30/2014
RP15-285-000	Columbia Gas Transmission, LLC submits its Penalty Revenue Crediting Report	12/29/2014
CP13-551-000	Transcontinental Gas Pipe Line Company, LLC - Order issuing Certificate and Approving the Leidy Southeast Project	12/18/2014
RP15-210-000	Tennessee Gas Pipeline Company, L.L.C. submits its Cashout Report and Refund Plan 2013-2014	12/4/2014
CP14-68-000	Texas Eastern Transmission, LP submits an application for a certificate of public convenience and necessity for its Ohio Pipeline Energy Network Project	12/2/2014
CP15-12-000	Columbia Gas Transmission, LLC - Blanket Prior Notice Application to abandon and construct request to abandon, modify and uprate the Broad Run Connector Project	11/11/2014
CP15-11-000	Columbia Gas Transmission, LLC request Blanket Prior Notice Application to abandon and construct certain natural gas facilities of to replace coated steel pipeline and facilities located in York and Adams County PA	11/11/2014
RP15-95-000	Transcontinental Gas Pipe Line Company, LLC submits GSS LSS Tracker Filing to be effective 11/1/2014	11/3/2014
RP15-130-000	Tennessee Gas Pipeline Company, L.L.C. submits tariff filing of Pro Forma - LMS-MA and LMS-PA Cash Out indices to be effective 12/31/9998	11/3/2014
RP15-110-000	Columbia Gas Transmission, LLC submits OTRA Tariff Update to be effective 12/1/2014	11/3/2014
RP15-109-000	Columbia Gulf Transmission, LLC submits tariff filing for Penalty Crediting Mechanism Revisions to be effective 12/1/2014	11/3/2014

RP15-108-000	Columbia Gas Transmission, LLC submits tariff filing for Penalty Crediting Mechanism Revisions to be effective 12/1/2014	11/3/2014
RP15-122-000	Texas Eastern Transmission, LP submits ASA tariff filing to be effective 12/1/2014	10/31/2014
RP15-112-000	Columbia Gas Transmission, LLC submits tariff filing OTRA - Winter 2014 to be effective 12/1/2014	10/31/2014
RP15-74-000	Texas Eastern Transmission, LP submits PCB tariff filing to be effective 12/1/2014	10/28/2014
RP15-60-000	Transcontinental Gas Pipe Line Company, LLC submits tariff filing of 2014 Penalty Sharing Report	10/27/2014
RP15-18-000	Transcontinental Gas Pipe Line Company, LLC submits tariff filing of DPE Changes	10/2/2014
RP15-6-000	Columbia Gas Transmission, LLC submits tariff filing for revision of Section 19 - Penalties to be effective 11/1/2014	10/1/2014
RP14-1306-000	Tennessee Gas Pipeline Company, L.L.C. submits tariff filing of Pipeline Safety and Greenhouse Gas Cost Adjustment to be effective 11/1/2014	10/1/2014

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I-C-2

Request:

Provide an overall system map, including and labeling all measuring and regulating stations, storage facilities, production facilities, transmission and distribution mains, by size, and all interconnections with other utilities and pipelines.

Response:

In light of the security concerns reflected in the Commission's Workplace Security Survey at Docket No. M-00021590, UGI has not included system maps in this filing. Any party to the proceeding requiring access to system maps will be afforded the opportunity upon request, subject to the provisions of a Confidentiality Agreement to be entered into between such party and the Company pursuant to a Protective Order.

Prepared by or under the supervision of: Hans G. Bell

**SECTION 53.53 – RATE OF RETURN**

UGI Utilities, Inc. - Gas Division  
Docket No. R-2015-2518438  
2016 Base Rate Case  
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II-A-1

Request:

Provide capitalization and capitalization ratios for the last five-year period and projected through the next two years. (With short-term debt and without short-term debt.) (Company, Parent and System (consolidated)).

- a. Provide year-end interest coverages before and after taxes for the last three years and at latest date. (Indenture and SEC Bases.) (Company, Parent and System (consolidated)).
- b. Provide year-end preferred stock dividend coverages for last three years and at latest date (Charter and SEC bases).

Response:

Please refer to Attachment II-A-1 for the requested capitalization and interest coverage ratios.

UGI Corporation and UGI Utilities, Inc. have not issued preferred stock.

Information regarding UGI Corporation projections is confidential and will be made available to parties upon request and the entry of an acceptable Protective Order.

Prepared by or under the supervision of: Ann P. Kelly

UGI UTILITIES, INC. - GAS DIVISION  
CAPITALIZATION RATIOS (Millions)  
(Non-proprietary Version)

Consolidated - UGI Corporation - With Short-Term Debt

	9/30/2011		9/30/2012		9/30/2013		9/30/2014		9/30/2015		9/30/2016		9/30/2017	
	Actual	%	Actual	%	Actual	%	Actual	%	Actual	%	Budget	%	Budget	%
Common Equity	\$1,977.7	44.1	\$2,233.1	31.9	\$2,492.5	33.7	\$2,659.1	36.0	\$2,692.0	36.1				
Preferred Stock	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
Minority Interests	213.4	4.8	1,085.7	15.5	1,055.4	14.3	1,004.1	13.6	880.4	11.8				
Short-Term Debt	138.7	3.1	165.1	2.4	227.9	3.1	210.8	2.9	189.9	2.5				
Long-Term Debt	2,157.7	48.1	3,514.3	50.2	3,609.4	48.9	3,510.8	47.5	3,699.8	49.6				
Total Capitalization	\$4,487.5	100.1	\$6,998.2	100.0	\$7,385.2	100.0	\$7,384.8	100.0	\$7,462.1	100.0				

Consolidated - UGI Corporation - Without Short-Term Debt

	9/30/2011		9/30/2012		9/30/2013		9/30/2014		9/30/2015		9/30/2016		9/30/2017	
	Actual	%	Actual	%	Actual	%	Actual	%	Actual	%	Budget	%	Budget	%
Common Equity	\$1,977.7	45.5	\$2,233.1	32.7	\$2,492.5	34.8	\$2,659.1	37.1	\$2,692.0	37.0				
Preferred Stock	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
Minority Interests	213.4	4.9	1,085.7	15.9	1,055.4	14.7	1,004.1	14.0	880.4	12.1				
Long-Term Debt	2,157.7	49.6	3,514.3	51.4	3,609.4	50.4	3,510.8	48.9	3,699.8	50.9				
Total Capitalization	\$4,348.8	100.0	\$6,833.1	100.0	\$7,157.3	99.9	\$7,174.0	100.0	\$7,272.2	100.0				

Company Only - UGI Utilities, Inc. - With Short-Term Debt

	9/30/2011		9/30/2012		9/30/2013		9/30/2014		9/30/2015		9/30/2016		9/30/2017	
	Actual	%	Actual	%	Actual	%	Actual	%	Actual	%	Budget	%	Budget	%
Common Equity	\$ 740.7	52.8	\$ 758.3	55.0	\$ 800.3	54.6	\$ 848.0	55.5	\$ 904.3	56.9	\$ 961.9	55.5	\$ 1,013.8	54.2
Preferred Stock	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Short-Term Debt	21.5	1.5	19.5	1.4	24.1	1.6	38.8	2.4	63.6	4.0	96.4	5.6	101.5	5.4
Long-Term Debt	640.0	45.6	600.0	43.5	642.0	43.8	642.0	42.0	622.0	39.1	675.0	38.9	755.0	40.4
Total Capitalization	\$ 1,402.2	99.9	\$ 1,377.8	99.9	\$ 1,466.4	100.0	\$ 1,526.8	99.9	\$ 1,589.9	100.0	\$ 1,733.3	100.0	\$ 1,870.3	100.0

Company Only - UGI Utilities, Inc. - Without Short-Term Debt

	9/30/2011		9/30/2012		9/30/2013		9/30/2014		9/30/2015		9/30/2016		9/30/2017	
	Actual	%	Actual	%	Actual	%	Actual	%	Actual	%	Budget	%	Budget	%
Common Equity	\$ 740.7	53.6	\$ 758.3	55.8	\$ 800.3	55.5	\$ 848.0	56.9	\$ 904.3	59.2	\$ 961.9	58.8	\$ 1,013.8	57.3
Preferred Stock	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Long-Term Debt	640.0	46.4	600.0	44.2	642.0	44.5	642.0	43.1	622.0	40.8	675.0	41.2	755.0	42.7
Total Capitalization	\$ 1,380.7	100.0	\$ 1,358.3	100.0	\$ 1,442.3	100.0	\$ 1,490.0	100.0	\$ 1,526.3	100.0	\$ 1,636.9	100.0	\$ 1,768.8	100.0

**UGI UTILITIES, INC. - GAS DIVISION  
INTEREST COVERAGE RATIO**

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	<u>9/30/2012</u>	<u>9/30/2013</u>	<u>9/30/2014</u>	<u>9/30/2015</u>
Pre-tax interest coverage	2.29	3.46	4.23	3.45
Post-tax interest coverage	2.19	3.06	3.55	3.01

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	<u>9/30/2012</u>	<u>9/30/2013</u>	<u>9/30/2014</u>	<u>9/30/2015</u>
Pre-tax interest coverage	4.37	5.35	6.40	5.88
Post-tax interest coverage	3.46	4.00	4.63	4.34

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II-A-2

Request:

Provide latest quarterly financial report (Company and Parent).

Response:

Refer to SDR-ROR-1 for a copy of the latest quarterly financial report.

Prepared by or under the supervision of: Ann P. Kelly

UGI Utilities, Inc. - Gas Division  
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II-A-3

Request:

Provide latest Stockholder's Report (Company and Parent).

Response:

Refer to SDR-ROR-1 for a copy of the latest Stockholder's Report.

Prepared by or under the supervision of: Ann P. Kelly

UGI Utilities, Inc. - Gas Division  
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II-A-4

Request:

Provide latest Prospectus (Company and Parent).

Response:

Refer to SDR-ROR-1 for a copy of the latest Prospectus.

Prepared by or under the supervision of: Ann P. Kelly

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II-A-5

Request:

Supply projected capital requirements and sources of Company, Parent and System (consolidated) for each of future three years.

Response:

See Attachment II-A-5 for projected capital expenditures. The sources of funds will be from both internally generated funds and required outside financing.

As disclosed in the UGI Corporation 2015 10-K, capital expenditures are expected to be \$738.7 million in FY 2016.

Prepared by or under the supervision of: Ann P. Kelly

**UGI Utilities, Inc. - Gas Division****Projected Capital Expenditures**  
**Twelve Months Ended September 30,**  
*(Millions of Dollars)*

	<b>2016</b>	<b>2017</b>	<b>2018</b>
UGI Utilities, Inc. - Gas Division	\$ 194.1	\$ 196.8	\$ 124.5
UGI Penn Natural Gas, Inc.	69.1	64.8	52.2
UGI Central Penn Gas, Inc.	44.6	39.6	33.8
UGI Utilities, Inc. - Electric Division	12.5	11.7	9.6
Consolidated UGI Utilities, Inc.	<u>\$ 320.3</u>	<u>\$ 312.9</u>	<u>\$ 220.1</u>

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II-A-6

Request:

Provide a schedule of debt and preferred stock of Company, Parent and System (consolidated) as of test year-end and latest date, detailing for each issue (if applicable):

- a. Date of issue
- b. Date of maturity
- c. Amount issued
- d. Amount outstanding
- e. Amount retired
- f. Amount reacquired
- g. Gain on reacquisition
- h. Coupon rate
- i. Discount or premium at issuance
- j. Issuance expenses
- k. Net proceeds
- l. Sinking Fund requirements
- m. Effective interest rate
- n. Dividend rate
- o. Effective cost rate
- p. Total average weighted effective Cost Rate

Response:

Please see the Direct Testimony of Paul R. Moul. UGI Gas Statement No. 3, Exhibit B, Schedule 6.

Prepared by or under the supervision of: Paul R. Moul

UGI Utilities, Inc. - Gas Division  
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II-A-7

Request:

Supply financial data of Company and/or Parent for last five years:

- a. Earnings-price ratio (average)
- b. Earnings-book value ratio (per share basis) (avg. book value)
- c. Dividend yield (average)
- d. Earnings per share (dollars)
- e. Dividends per share (dollars)
- f. Average book value per share yearly
- g. Average yearly market price per share (monthly high-low basis)
- h. Pre-tax funded debt interest coverage
- i. Post-tax funded debt interest coverage
- j. Market price-book value ratio

Response:

Please refer to Attachment II-A-7 for the requested financial data of UGI Corporation.

Prepared by or under the supervision of: Ann P. Kelly

**UGI Corporation**  
**Select Financial Data**  
**For the year ending September 30.**

	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>
<b><u>Income Statement Data (millions):</u></b>					
Revenues	\$ 6,090.9	\$ 6,521.3	\$ 7,194.7	\$ 8,277.3	\$ 6,691.1
Operating Income	\$ 642.4	\$ 538.6	\$ 831.1	\$ 1,005.6	\$ 834.9
Net Income attributable to UGI Corporation	\$ 245.4	\$ 210.2	\$ 278.1	\$ 337.2	\$ 281.0
<b><u>Common Stock data:</u></b>					
Market price at year end	\$ 26.27	\$ 31.75	\$ 39.13	\$ 34.09	\$ 34.82
Daily average market price	\$ 30.93	\$ 28.82	\$ 36.94	\$ 44.36	\$ 35.58
Book value at year end	\$ 8.12	\$ 10.01	\$ 6.96	\$ 7.00	\$ 6.99
Earnings per share (diluted)	\$ 2.06	\$ 1.24	\$ 1.60	\$ 1.92	\$ 1.60
Dividends declared per share	\$ 1.01	\$ 1.05	\$ 1.09	\$ 0.76	\$ 0.88
Dividend rate per share (at year end)	\$ 0.99	\$ 1.03	\$ 0.72	\$ 0.78	\$ 0.88
<b><u>Ratios:</u></b>					
Earnings-price ratio	12.8	25.6	24.5	17.8	21.8
Earnings-book value ratio	3.9	8.1	4.3	3.6	4.4
Dividend yield - average	3.3%	3.6%	3.0%	1.7%	2.5%
Pre-tax funded debt interest coverage	4.2	2.3	3.5	4.2	3.4
Post-tax funded debt interest coverage	3.5	2.2	3.1	3.5	3.0
Market price / Book ratio	3.2	3.2	5.6	4.9	5.0



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II-A-8

Request:

State amount of debt interest utilized for income tax calculations, and details of debt interest computations, under each of the following rate case bases:

- a. Actual test year
- b. Annualized test year-end
- c. Proposed test year-end

Response:

Please refer to Exhibit A (Historic), Exhibit A (Future), and Exhibit A (Fully Projected), Schedule D-33. All external debt is held at the UGI Utilities, Inc. level and allocated to subsidiaries. For ratemaking purposes, interest expense is synchronized to the UGI Gas Measure of Value funded at the claimed capital structure and cost of debt.

Prepared by or under the supervision of: Ann P. Kelly

UGI Utilities, Inc. - Gas Division  
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II-A-9

Request:

State amount of debt interest utilized for income tax calculations which has been allocated from the debt interest of an affiliate, and details of the allocation, under each of the following rate case bases:

- a. Actual test year
- b. Annualized test year-end
- c. Proposed test year-end

Response:

Please refer to Exhibit A (Historic), Exhibit A (Future), and Exhibit A (Fully Projected), Schedule D-33. All debt is held at the UGI Utilities, Inc. level and allocated to subsidiaries. For ratemaking purposes, interest expense is synchronized to the UGI Utilities, Inc. - Gas Division Measure of Value funded at the claimed capital structure and cost of debt.

Prepared by or under the supervision of: Ann P. Kelly

UGI Utilities, Inc. - Gas Division  
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II-A-10

Request:

Under Section 1552 of the Internal Revenue Code and Regulations 1.1552-1 thereunder, if applicable, Parent Company, in filing a consolidated income tax return for the group, must choose one of four options by which it must allocate total income tax liability of the group to the participating members to determine each member's tax liability to the federal government. (If this interrogatory is not applicable, so state.)

- a. State what option has been chosen by the group.
- b. Provide, in summary form, the amount of tax liability that has been allocated to each of the participating members in the consolidated income tax return.
- c. Provide a schedule, in summary form, of contributions, which were determined on the basis of separate tax return calculations, made by each of the participating members to the tax liability indicated in the consolidated group tax return. Provide total amounts of actual payments to the tax depository for the tax year, as computed on the basis of separate returns of members.
- d. Provide annual income tax return for group, and if income tax return shows net operating loss, provide details of amount of net operating loss allocated to the income tax returns of each of the members of the consolidated group.

Response:

a. UGI Corporation has elected to allocate the tax liability of the consolidated group to the members in accordance with Regulation 1.1502-33 (d)(2)(ii). Further the group elects to use 100 percent as the percentage specified in Regulation 1.1502-33(d)(2)(ii)(b). This method of allocation is to be applied in conjunction with the basic allocation method provided in Regulation 1.1552-1(a)(2).

UGI Corporation also elected to reflect currently the investment adjustment in earnings and profits pursuant to Regulation 1.1502-33(c)(4)(iii).

b. & c. See Attachment II-A-10.

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II-A-10 (Continued)

d. See SDR-RR-55 for copies of certain pages of the 9/30/14 UGI Consolidated Federal Income Tax Return.

The tax results for the year 9/30/14 do not show a net operating loss.

Prepared by or under the supervision of: Nicole M. McKinney

**UGI Utilities, Inc. - Gas Division**  
**Allocation of UGI Corporation Consolidated Federal Income Tax Liability**  
**For the Year Ended September 30, 2014**  
**In Thousands**

<u>Name of Company</u>	(a)	(b)	(c)	(d)	(e)
	<b>Federal Taxable Income</b>	<b>Federal Income Tax @ 35% Allocated</b>	<b>Foreign Tax Credit</b>	<b>General Business Credit</b>	<b>Col (b) - Col (c) - Col (d) = Net Federal Income Tax Liability</b>
AmeriGas Inc	67	23			23
AmeriGas Propane Inc.	42,408	14,843			14,843
Amerigas Technology Group Inc.	0	0			0
Ashtola Production Company	(1)	(0)			(0)
Eastfield International Holdings Inc	0	0			0
Energy Service Funding	4,349	1,522			1,522
EuroGas Holdings Inc.	0	0			0
Four Flags Drilling Company	0	0			0
Hellertown Pipeline	(29)	(10)			(10)
Homestead Holding	40	14			14
Newberry Holding	7,785	2,725			2,725
Petrolane Incorporated	15,856	5,549			5,549
UGI Asset Management	0	0			0
UGI Black Sea Enterprises	0	0			0
UGI Central Penn Gas	29,238	10,233			10,233
UGI China Inc	(274)	(96)			(96)
UGI Corporation	(10,003)	(3,501)			(3,501)
UGI Development Company	10,804	3,781		2,150	1,632
UGI Energy Ventures, Inc.	0	0			0
UGI Ethanol Development Company	0	0			0
UGI Enterprises Inc	71,418	24,996			24,996
UGI Europe Inc	10,044	3,515	12,027		(8,511)
UGI Hunlock Dev	0	0			0
UGI HVAC Enterprises	(2,485)	(870)			(870)
UGI International China, Inc	(6)	(2)			(2)
UGI International (Romania)	0	0			0
UGI International Enterprises, Inc.	12,581	4,403			4,403
UGI LNG	(1,921)	(672)			(672)
UGI Penn HVAC Services	553	194			194
UGI Penn Natural Gas, Inc.	4,972	1,740			1,740
UGI Petroleum Products of DE	(10)	(4)			(4)
UGI Properties, Inc.	391	137			137
UGI Storage Company	3,884	1,359			1,359
UGI Utilities - EUD	(296)	(104)			(104)
UGI Utilities - GUD	24,860	8,701			8,701
UGID Holding Company	(8)	(3)			(3)
United Valley Insurance	370	130			130
Eliminations	123	43			43
<b>Total Taxable</b>	<b>224,711</b>	<b>78,649</b>	<b>12,027</b>	<b>2,150</b>	<b>64,473</b>

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II-A-11

Request:

Provide AFUDC charged by company at test year-end and latest date, and explain method by which rate was calculated.

Response:

AFUDC in the amount of \$129,111 was recorded during the historic test year. The calculated rate for the historic test year of 1.05% was based on average construction work in process compared to short term borrowings on a monthly basis and on an aggregated annual basis. UGI Gas is currently using the short term debt rate for AFUDC because the average short term borrowing balances exceeded the average construction work in progress balances. The projected short term debt rate for the future test year and fully projected test year ending September 30, 2016 and September 30, 2017 is 1.08%.

Prepared by or under the supervision of: Ann P. Kelly

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II-A-12

Request:

Set forth provisions of Company's and Parent's charter and indentures (if applicable) which describe coverage requirements, limits on proportions of types of capital outstanding, and restrictions on dividend payouts.

Response:

UGI Utilities, Inc. has an unsecured revolving credit agreement ("Revolving Credit Agreement") with a group of banks that provides for an initial loan commitment of up to \$300 million and permits UGI Utilities, Inc. to request an increase to the loan commitment in \$10 million increments up to a maximum of \$450 million. Under the Revolving Credit Agreement, UGI Utilities, Inc. may borrow at various prevailing interest rates, including LIBOR and the banks' prime rate, plus a margin. The margin on such borrowings ranges from 0.0% to 1.75% and is based on the credit ratings of certain indebtedness of UGI Utilities, Inc. In a Final Order entered on August 20, 2015 at Docket No. S-2015-2490378, the Commission approved the registration of the Revolving Credit Agreement as a securities certificate, permitting the incurrence of indebtedness through and until March 26, 2020.

UGI Utilities, Inc. has \$175 million of 4.98% Senior Notes due March 2044 ("Senior Notes"), as approved by the Commission in a Final Order entered on August 15, 2013 at Docket No. S-2013-2370504. The Senior Notes are unsecured and rank equally with UGI Utilities, Inc.'s existing outstanding senior debt.

The Revolving Credit Agreement and the Senior Notes require UGI Utilities, Inc. not to exceed a ratio of Consolidated Debt to Consolidated Total Capital, as defined, of 0.65 to 1.00. The Senior Notes require that Consolidated Priority Debt not exceed 10% of Consolidated Total Assets.

Please refer to Exhibit B for a description of all other notes, which do not have defined coverage requirements, limits on types of capital outstanding, or restrictions on dividend payouts.

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II-A-13

Request:

Attach copies of the summaries of the projected 2 year's Company's budgets (revenue, expense and capital).

Response:

Please refer to Attachment II-A-13 for the Company's 2016 and 2017 operating budget and plan. For capital budgets, please refer to the response to II-A-5.

Prepared by or under the supervision of: Ann P. Kelly



**UGI Utilities, Inc. - Gas Division**  
**Projected Company Budget**  
**Twelve Months Ended September 30,**  
*(Thousands of Dollars)*

	<u>2016</u>	<u>2017</u>
Operating Revenues	\$ 388,037	\$ 390,985
Other Operating Revenues	7,736	7,736
Operating Expenses		
Other Gas Supply Expenses	144,817	141,851
Other Gas Production	65	68
Transmission	953	981
Distribution	34,460	35,494
Customer Accounts	14,347	14,779
Customer Service And Inform.	1,898	1,954
Sales	896	923
Administrative And General	49,720	51,208
Depreciation And Depletion	32,970	34,735
Amortization	1,793	6,791
Taxes Other Than Income	5,714	5,885
Total Operating Expenses	287,633	294,669
Other Income (Expense)	2,681	1,283
Interest Expense	17,166	22,992
Income Taxes	37,181	32,690
Net Income (Loss)	<u>\$ 56,474</u>	<u>\$ 49,653</u>

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II-A-14

Request:

Describe long-term debt reacquisitions by Company and Parent as follows:

- a. Reacquisitions by issue by year.
- b. Total gain on reacquisitions by issue by year.
- c. Accounting of gain for income tax and book purposes.

Response:

UGI Utilities, Inc. and UGI Corporation have not reacquired any debt in the last twenty years.

Prepared by or under the supervision of: Ann P. Kelly

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II-A-15

Request:

Set forth amount of compensating bank balances required under each of the following rate base bases:

- a. Annualized test year operations.
- b. Operations under proposed rates.

Response:

Not Applicable. UGI Utilities has no compensating bank balance requirements.

Prepared by or under the supervision of: Ann P. Kelly

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II-A-16

Request:

Provide the following information concerning compensating bank balance requirements for actual test year:

- a. Name of each bank.
- b. Address of each bank.
- c. Types of accounts with each bank (checking, savings, escrow, other services, etc.).
- d. Average Daily Balance in each account.
- e. Amount and percentage requirements for compensating bank balance at each bank.
- f. Average daily compensating bank balance at each bank.
- g. Documents from each bank explaining compensating bank balance requirements.
- h. Interest earned on each type of account.

Response:

Not Applicable. UGI Utilities has no compensating bank balance requirements.

Prepared by or under the supervision of: Ann P. Kelly

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II-A-17

Request:

Provide the following information concerning bank notes payable for actual test year:

- a. Line of Credit at each bank.
- b. Average daily balances of notes payable to each bank, by name of bank.
- c. Interest rate charged on each bank note (Prime rate, formula rate or other).
- d. Purpose of each bank note (e.g., construction, fuel storage, working capital, debt retirement).
- e. Prospective future need for this type of financing.

Response:

Please see responses below:

- a. Line of Credit at each bank - UGI Utilities, Inc. has a five-year \$300 million revolving credit facility with a consortium of banks. The revolving credit facility matures in March, 2020. Please see Attachment II-A-17 for the commitment from each bank.
- b. Average daily balances of notes payable to each bank, by name of bank - The revolving credit facility is predominantly used to meet working capital needs and is more heavily utilized in the fall and winter months when inventory and receivable balances peak. The borrowings from each bank are pro rata as per their respective commitments. The average daily borrowing under the revolver for UGI Utilities, Inc. was \$60,000,000 for fiscal year 2015.
- c. Interest rate charged on each bank note - The interest rate for the majority of borrowings under the UGI Utilities, Inc. \$300 million revolving credit facility are under the LIBOR + the Applicable Margin formula. The Applicable Margin is based on public credit ratings as specified on Attachment II-A-17. UGI Utilities, Inc. has two public debt ratings (Moody's, Fitch). When there is a split rating, the Moody's rating applies. Based on current ratings of UGI Utilities, Inc. the applicable margin is .875%.

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II-A-17 (Continued)

d. Purpose of each bank note - The borrowings under the \$300 million revolver are for working capital needs and general corporate purposes.

e. Prospective future needs for this type of financing - The current revolving credit facility provides adequate liquidity for working capital needs and does not mature until March 2020.

Prepared by or under the supervision of: Ann P. Kelly

UGI Utilities, Inc. – Gas Division  
Line of Credit Bank Commitments and Applicable margin  
As of September 30, 2015

**Lender Commitments:**

Lender	Commitment
PNC Bank, National Association	\$55,000,000
Citizens Bank of Pennsylvania	\$55,000,000
Citibank, N.A.	\$32,000,000
Credit Suisse AG, Cayman Islands Branch	\$32,000,000
JPMorgan Chase Bank, N.A.	\$32,000,000
Wells Fargo Bank, National Association	\$32,000,000
The Bank of New York Mellon	\$32,000,000
Bank of America, N.A.	\$30,000,000
	\$300,000,000

**Applicable Margin:**

S&P/Moody's/Fitch	Margin
A/A2/A or above	0.875%
A-/A3/A-	1.00%
BBB+/Baa1/BBB+	1.125%
BBB/Baa2/BBB	1.25%
BBB-/Baa3/BBB-	1.50%
BB+/Ba1/BB+ or lower	1.75%

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II-A-18

Request:

Set forth amount of total cash (all cash accounts) on hand from balance sheets for last 24-calendar months preceding test year-end.

Response:

The average balance sheet cash (measured at the end of each month) for UGI Utilities, Inc. (on a consolidated basis) for the past 24 calendar months (10/31/13 - 9/30/15) was \$19.1 million.

Please see Attachment II-A-18.

Prepared by or under the supervision of: Ann P. Kelly



**UGI Utilities, Inc. - Gas Division  
Month-End Cash Balances**

<b>Fiscal Year 2014</b>	<b>Balance Sheet Cash</b>
Oct	8,417,323
Nov	5,318,771
Dec	13,008,423
Jan	22,838,442
Feb	10,564,777
Mar	14,237,883
Apr	37,686,033
May	42,804,838
June	29,589,250
July	20,057,450
Aug	11,803,811
Sept	15,993,290

<b>Fiscal Year 2015</b>	<b>Balance Sheet Cash</b>
Oct	9,412,643
Nov	9,672,675
Dec	23,230,389
Jan	16,833,282
Feb	13,978,244
Mar	21,618,221
Apr	34,566,284
May	33,783,207
June	20,205,406
July	21,945,540
Aug	10,861,322
Sept	9,700,748

**Two-year Average**                      **19,088,677**

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II-A-19

Request:

Submit details on Company or Parent common stock offerings (past 5 years to present) as follows:

- a. Date of Prospectus
- b. Date of offering
- c. Record date
- d. Offering period--dates and number of days
- e. Amount and number of shares of offering
- f. Offering ratio (if rights offering)
- g. Per cent subscribed
- h. Offering price
- i. Gross proceeds per share
- j. Expenses per share
- k. Net proceeds per share (i-j)
- l. Market price per share
  1. At record date
  2. At offering date
  3. One month after close of offering
- m. Average market price during offering
  1. Price per share
  2. Rights per share--average value of rights

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II-A-19 (Continued)

- n. Latest reported earnings per share at time of offering
- o. Latest reported dividends at time of offering

Response:

UGI Corp. is the parent company of UGI Utilities, Inc. (the "Company"). UGI Corp. has public shareholders and has the ability to raise capital in the public equity markets. UGI Corp. has not issued publicly underwritten stock in the last five years.

UGI Utilities, Inc. does not have access to the public equity markets.

Prepared by or under the supervision of: Ann P. Kelly

UGI Utilities, Inc. - Gas Division  
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II-A-20

Request:

Provide latest available balance sheet and income statement for Company, Parent and System (consolidated).

Response:

Refer to UGI Exhibit A (Historic), Schedules B-1 and B-2.

Also, please see Attachment SDR-ROR-1.

Prepared by or under the supervision of: Ann P. Kelly

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II-A-21

Request:

Provide Original Cost, Trended Original Cost and Fair Value rate base claims.

Response:

The Company's claim is based on original cost measure of value. As Pennsylvania law requires use of original cost measure of value for ratemaking, trended original cost and fair value rate base claims were not prepared.

Please refer to UGI Exhibit A (Historic), UGI Exhibit A (Future) and UGI Exhibit A (Fully Projected), Schedule C-1.

Prepared by or under the supervision of: Ann P. Kelly

UGI Utilities, Inc. - Gas Division  
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II-A-22

Request:

Provide Operating Income claims under:

- (i) Present rates
- (ii) Pro forma present rates (annualized & normalized)
- (iii) Proposed rates (annualized & normalized)

b. Provide Rate of Return on Original Cost and Fair Value claims under:

- (i) Present rates
- (ii) Pro forma present rates
- (iii) Proposed rates

Response:

Please refer to Exhibit A (Historic), Exhibit A (Future), and Exhibit A (Fully Projected), Schedules A-1, D-1, and D-2.

Prepared by or under the supervision of: Ann P. Kelly

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II-A-23

Request:

List details and sources of "Other Property and Investment," "Temporary Cash Investments" and "Working Funds" on test year-end balance sheet.

Response:

Refer to the responses to III-A-2 and III-A-3.

Prepared by or under the supervision of: Ann P. Kelly

UGI Utilities, Inc. - Gas Division  
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II-A-24

Request:

Attach chart explaining Company's corporate relationship to its affiliates (System Structure).

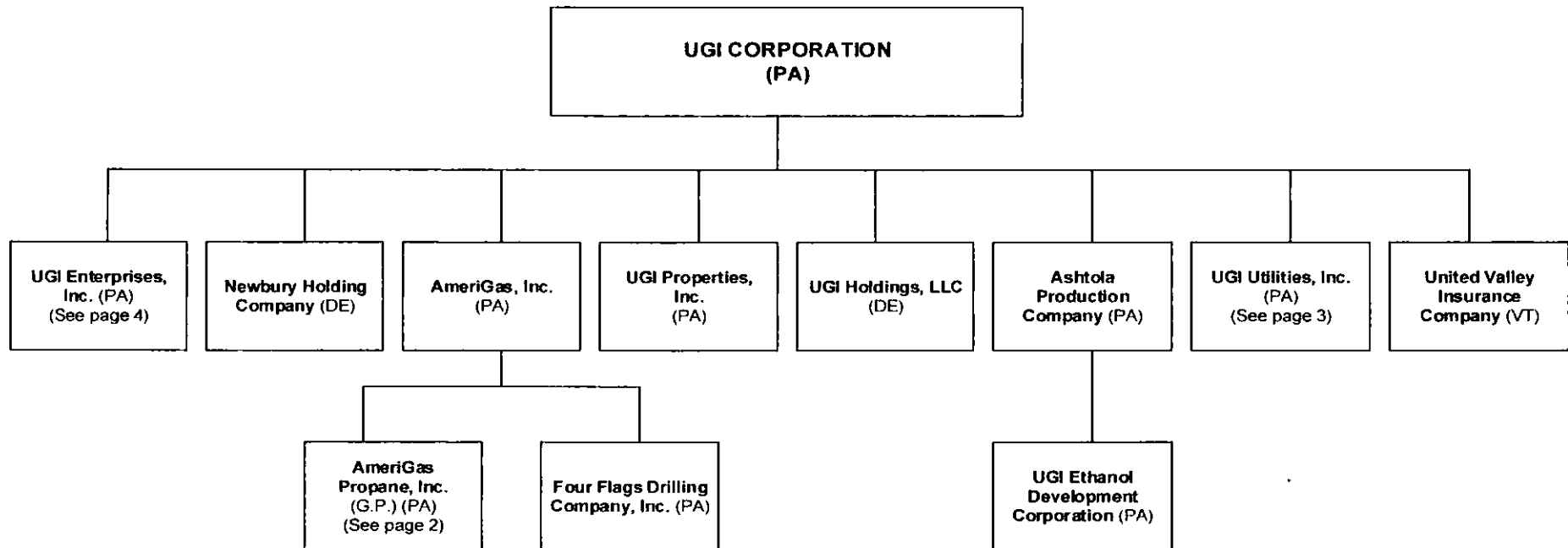
Response:

See Attachment II-A-24 for the organizational chart of UGI Corporation as of November 30, 2015.

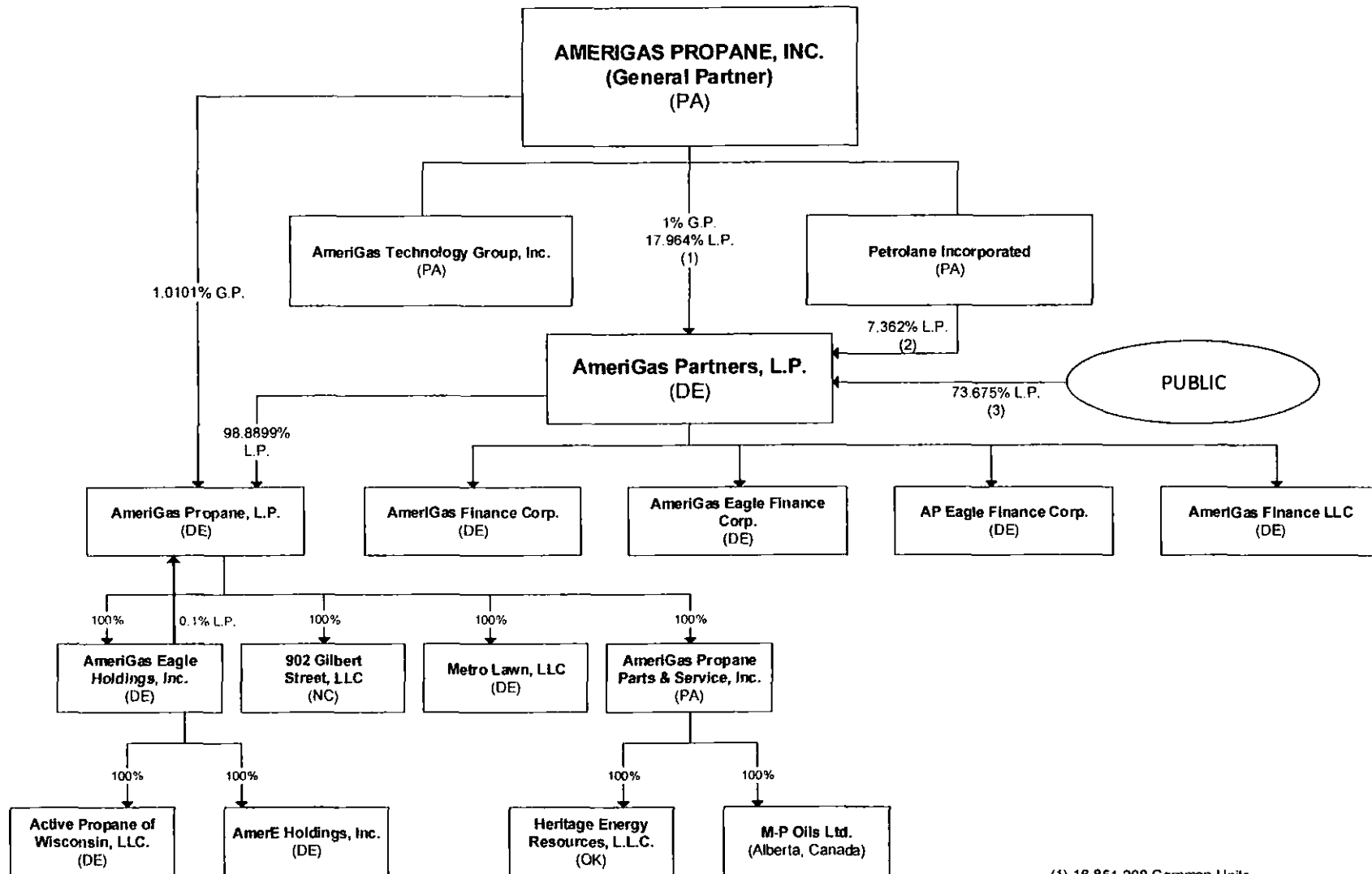
Prepared by or under the supervision of: Ann P. Kelly



**UGI UTILITIES, INC. – GAS DIVISION  
ORGANIZATIONAL CHART OF UGI CORPORATION**

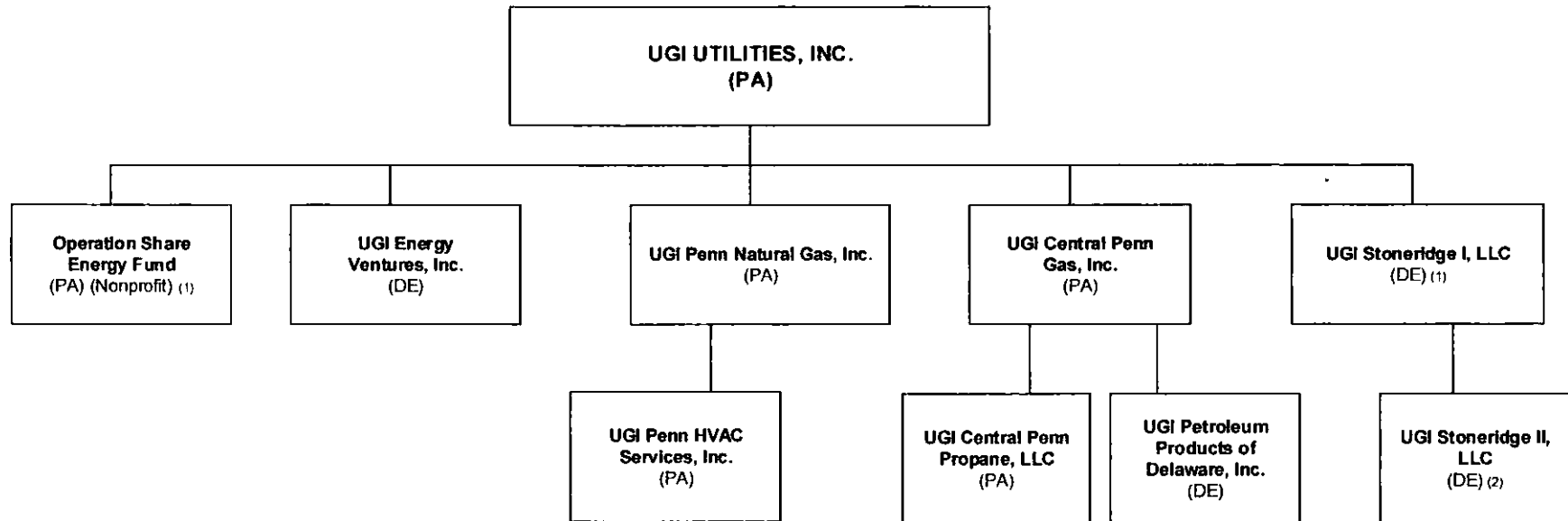


**UGI UTILITIES, INC. – GAS DIVISION  
ORGANIZATIONAL CHART OF UGI CORPORATION**



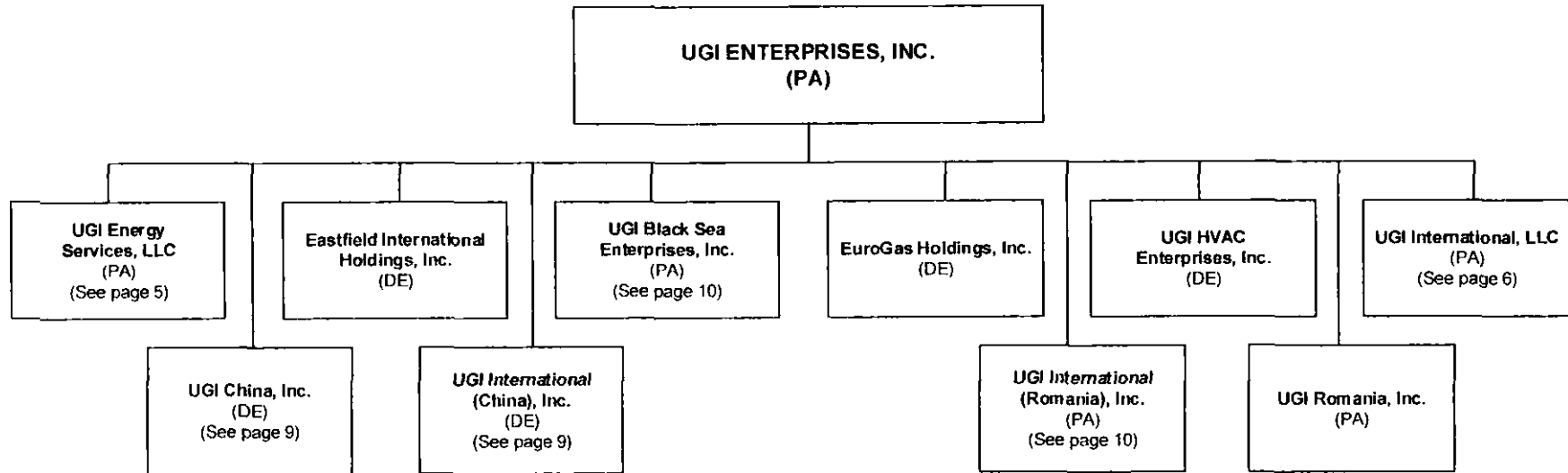
(1) 16,851,298 Common Units  
 (2) 6,905,584 Common Units  
 (3) 69,112,981 Common Units

**UGI UTILITIES, INC. – GAS DIVISION  
ORGANIZATIONAL CHART OF UGI CORPORATION**

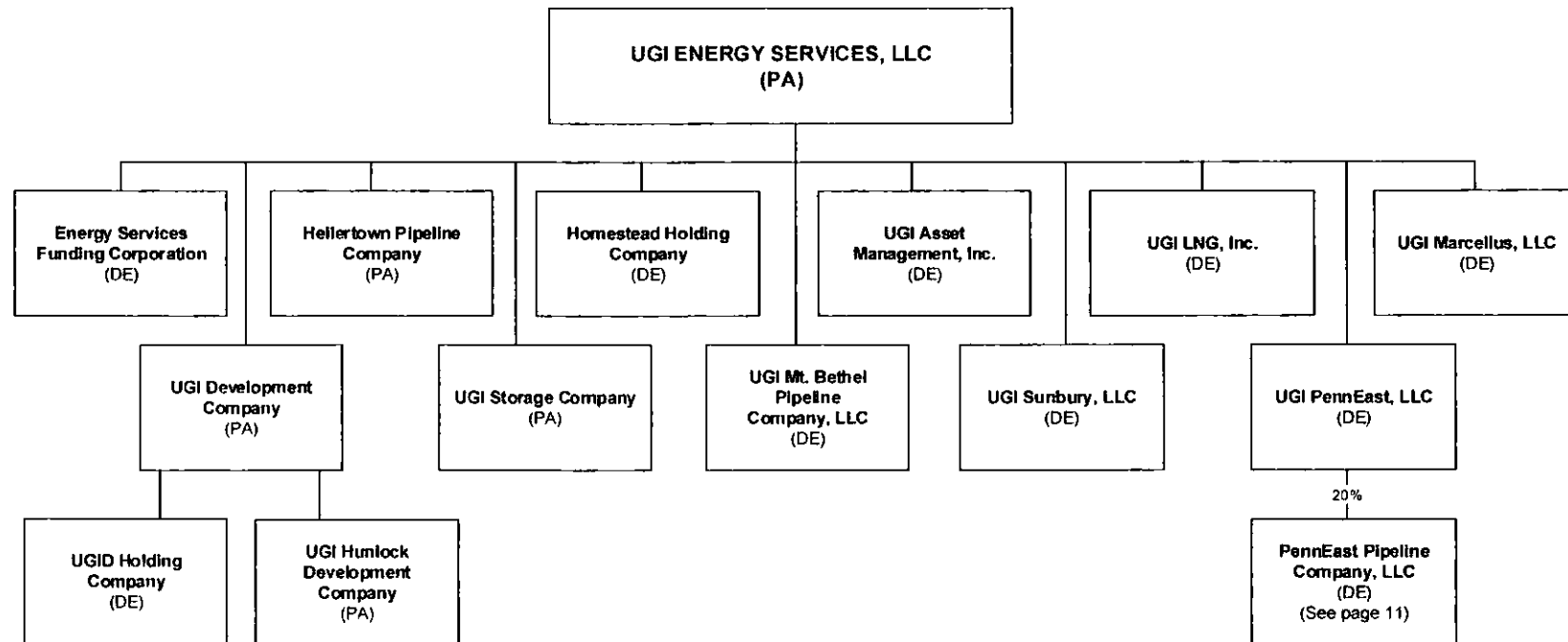


(1) UGI Utilities, Inc. is sole member  
(2) UGI Stoneridge I, LLC is sole member

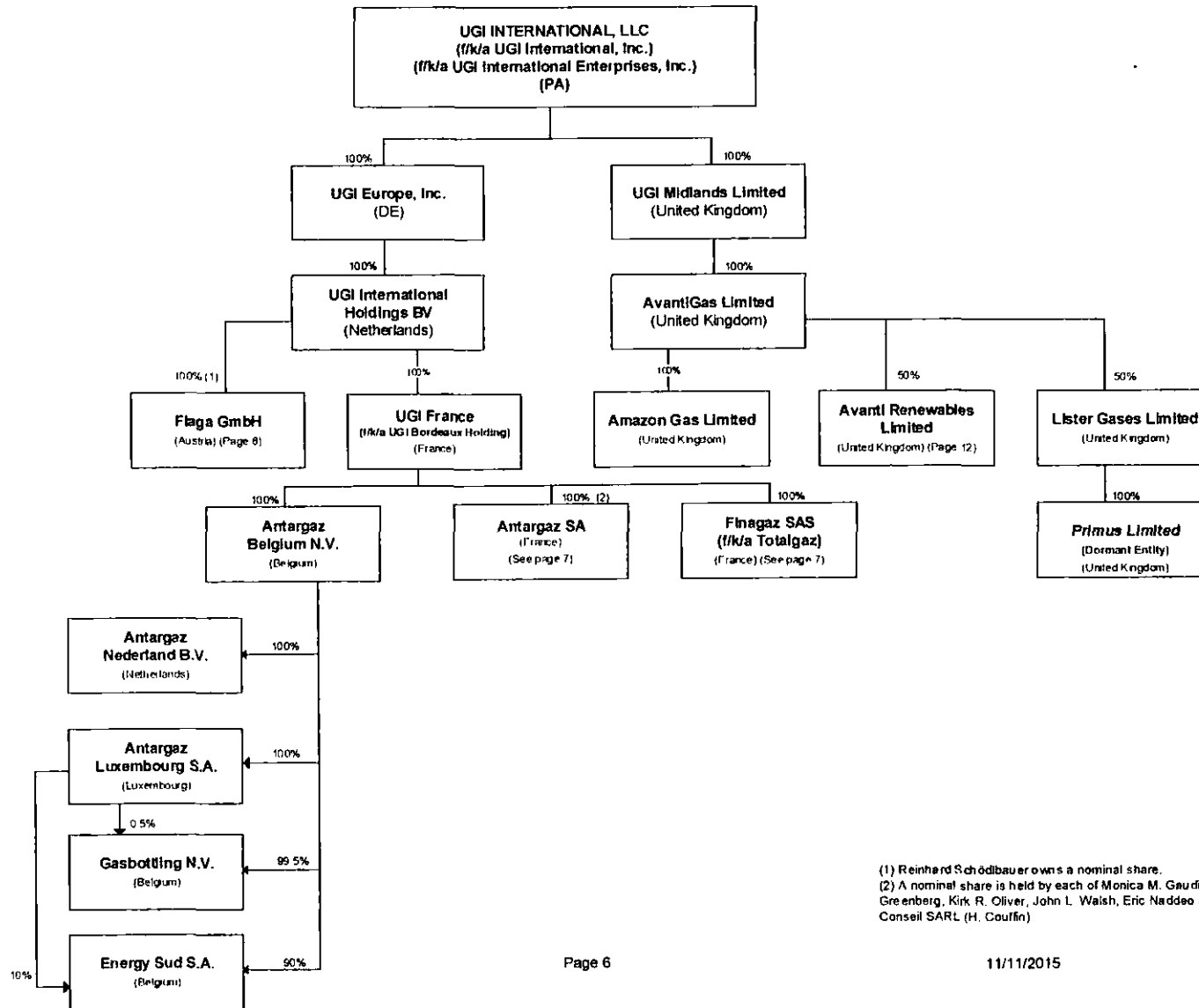
**UGI UTILITIES, INC. – GAS DIVISION  
ORGANIZATIONAL CHART OF UGI CORPORATION**



**UGI UTILITIES, INC. – GAS DIVISION  
ORGANIZATIONAL CHART OF UGI CORPORATION**

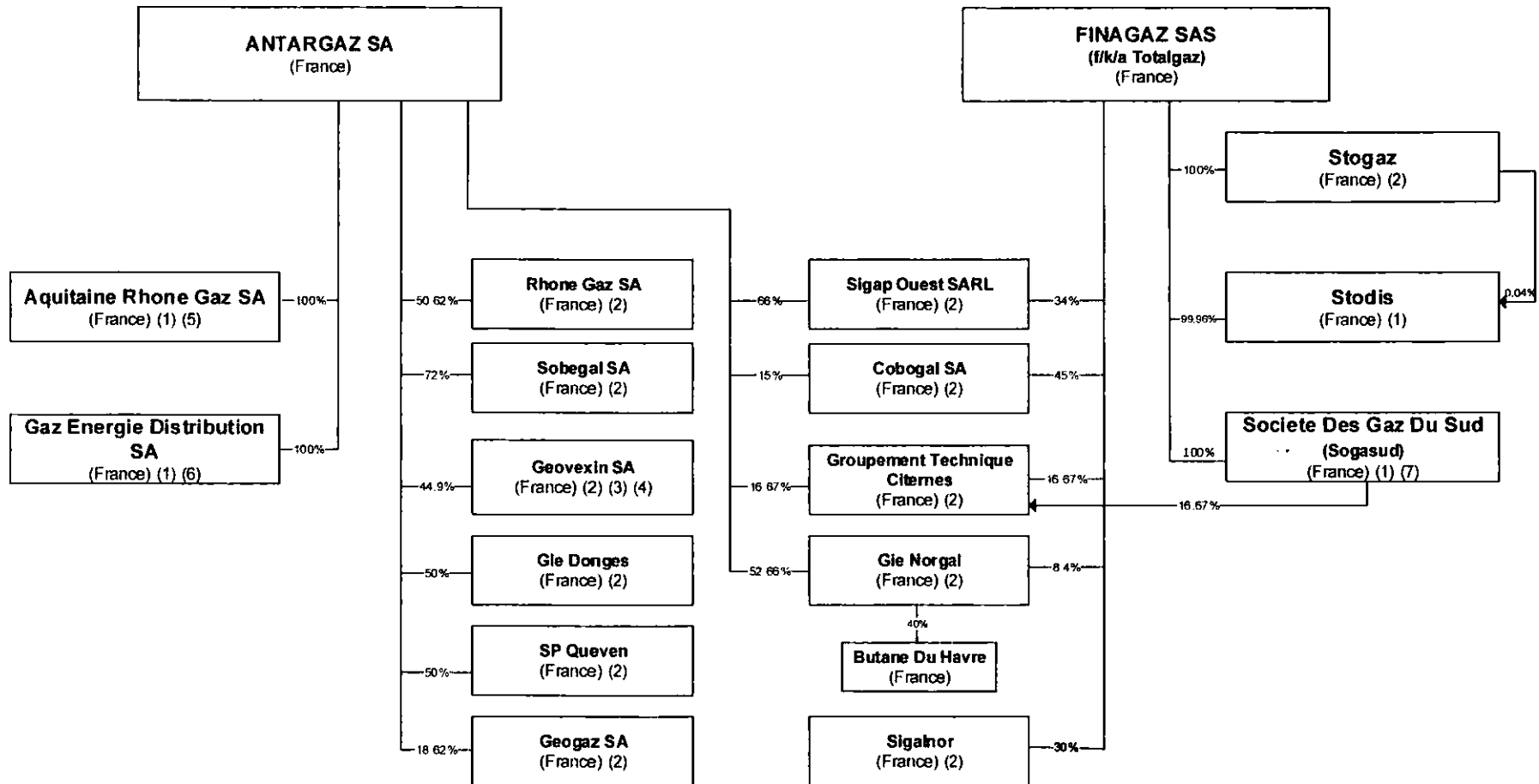


**UGI UTILITIES, INC. – GAS DIVISION  
ORGANIZATIONAL CHART OF UGI CORPORATION**



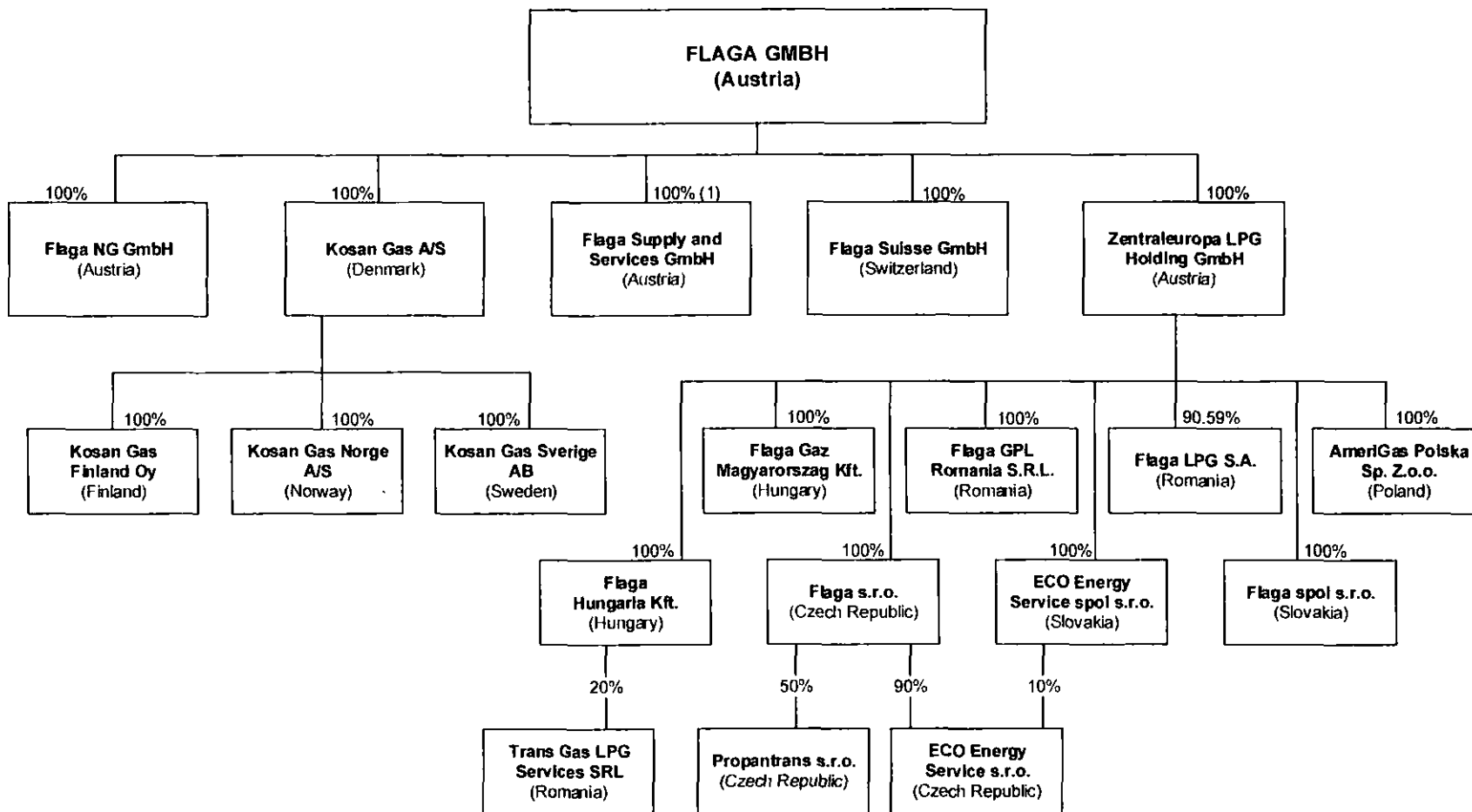
(1) Reinhard Schödbauer owns a nominal share.  
(2) A nominal share is held by each of Monica M. Gaudiosi, Lon R. Greenberg, Kirk R. Oliver, John L. Waish, Eric Naddeo and HC Conseil SARL (H. Couffin)

**UGI UTILITIES, INC. – GAS DIVISION  
ORGANIZATIONAL CHART OF UGI CORPORATION**



(1) Commercial subsidiary (Filiales Commerciales)  
(2) Logistics, Storage or other subsidiary (Filiales Logistiques)  
(3) Geovexin – 44.9% ownership is accounted for under the equity method  
(4) In Liquidation  
(5) A nominal share is held each by Eric Doublet, Serge Moisan, Eric Naddeo, Augustin Sarragallet, Philippe Simon and Antoine Willaume.  
(6) A nominal share is held each by Claire Boucher, Félix Charlemagne, Eric Doublet, Eric Naddeo, Augustin Sarragallet and Antoine Willaume.  
(7) A nominal share is held each by Denis Lourdelet, Erick Chabanne, Augustin Sarragallet, Celine Thoraval, Serge Moisan and Philippe Simon.

**UGI UTILITIES, INC. – GAS DIVISION  
ORGANIZATIONAL CHART OF UGI CORPORATION**

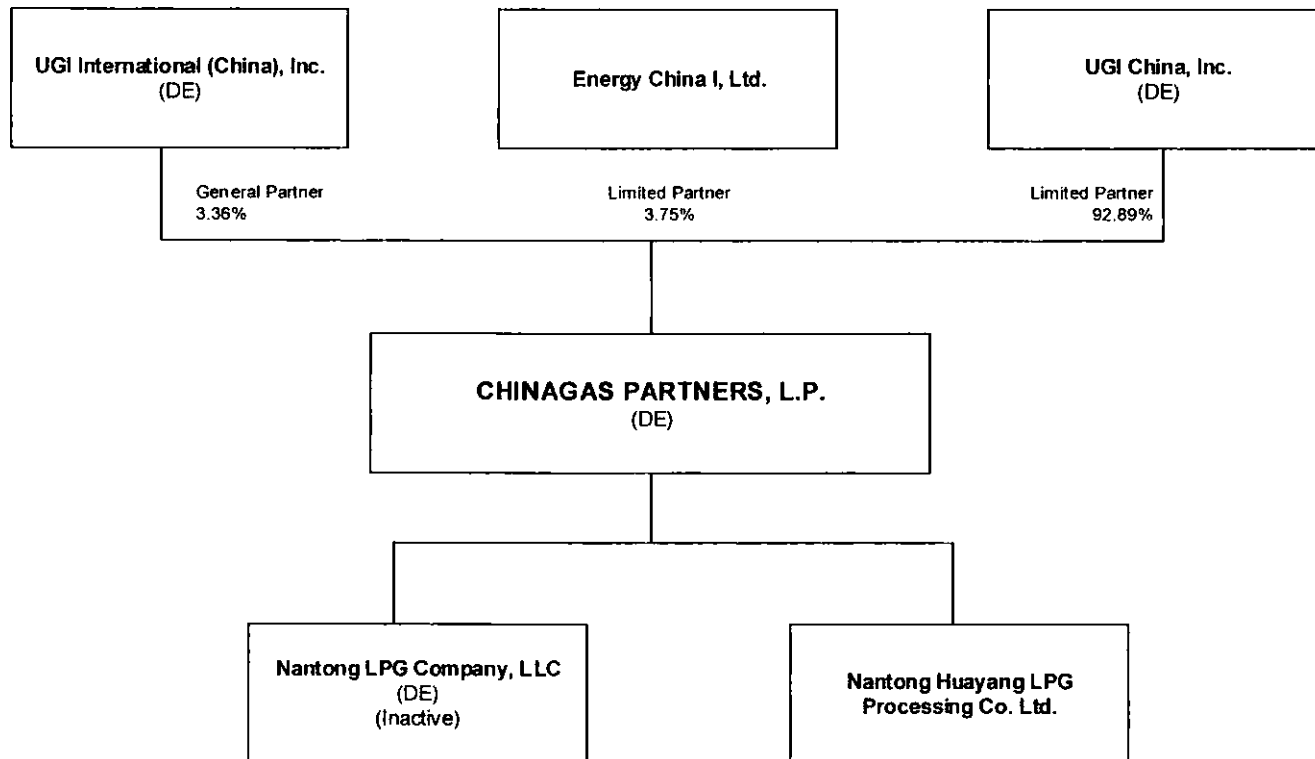


(1) Except for Reinhard Schödlbauer's nominal shareholding, which was implemented for tax purposes.



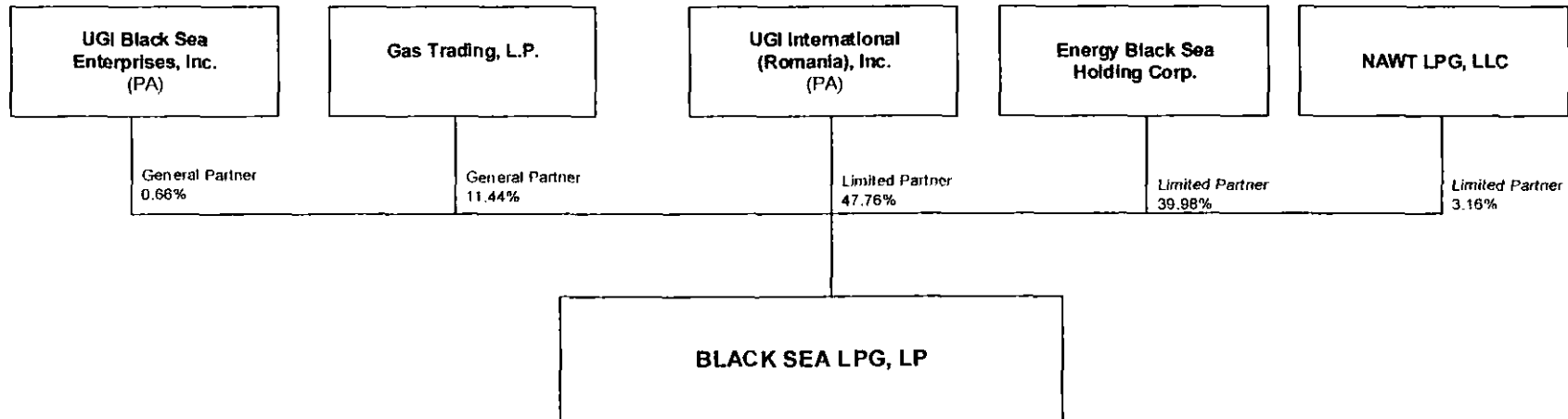
**UGI UTILITIES, INC. – GAS DIVISION  
ORGANIZATIONAL CHART OF UGI CORPORATION**

**CHINA JOINT VENTURE**



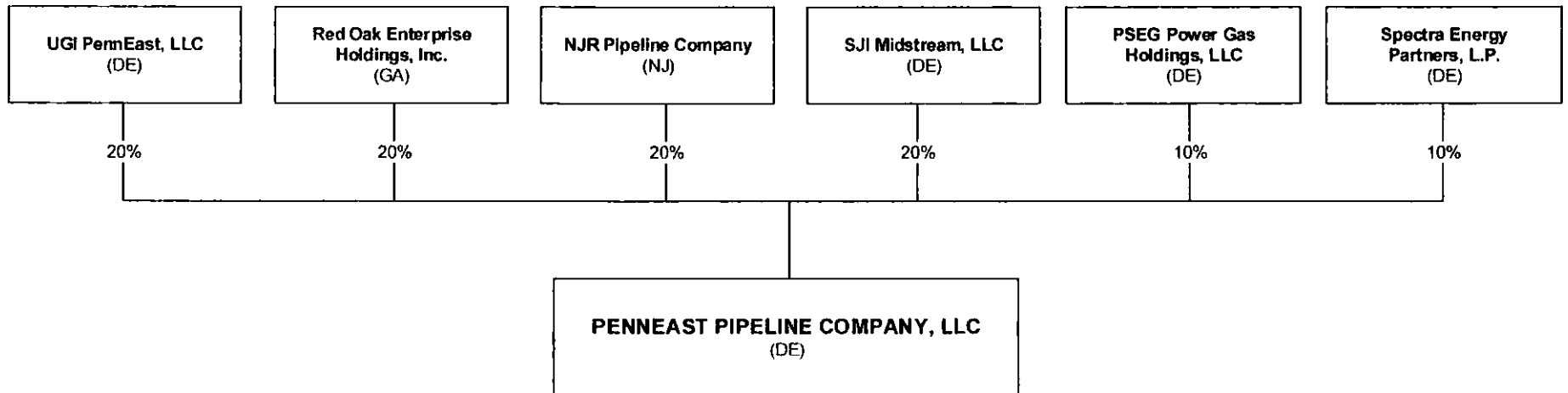
**UGI UTILITIES, INC. – GAS DIVISION  
ORGANIZATIONAL CHART OF UGI CORPORATION**

**ROMANIAN PARTNERSHIP**



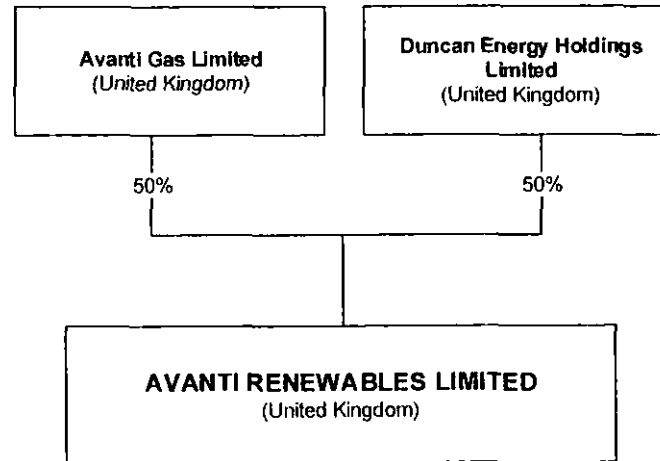
**UGI UTILITIES, INC. – GAS DIVISION  
ORGANIZATIONAL CHART OF UGI CORPORATION**

**PENNEAST PIPELINE JOINT VENTURE**



**UGI UTILITIES, INC. – GAS DIVISION  
ORGANIZATIONAL CHART OF UGI CORPORATION**

**AVANTI GAS LIMITED JOINT VENTURE**



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II-A-25

Request:

If the utility plans to make a formal claim for a specific allowable rate of return, provide the following data in statement or exhibit form:

- a. Claimed capitalization and capitalization ratios with supporting data.
- b. Claimed cost of long-term debt with supporting data.
- c. Claimed cost of short-term debt with supporting data.
- d. Claimed cost of total debt with supporting data.
- e. Claimed cost of preferred stock with supporting data.
- f. Claimed cost of common equity with supporting data.

Response:

Please see the Direct Testimony of Paul R. Moul, UGI Gas Statement No. 3, Exhibit B, Schedule 1.

Prepared by or under the supervision of: Paul R. Moul

UGI Utilities, Inc. - Gas Division  
Docket No. R-2015-2518438  
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II-A-26

Request:

Provide the following income tax data:

- a. Consolidated income tax adjustments, if applicable.
- b. Interest for tax purposes (basis).

Response:

Please see Attachment II-A-26 for a calculation of a consolidated tax adjustment. UGI Gas believes the consolidated tax adjustment is not appropriate; therefore, it has not incorporated it into its revenue requirement.

Prepared by or under the supervision of: Nicole M. McKinney

UGI Utilities, Inc. - Gas Division  
Calculation of Consolidated Tax Adjustment  
in Thousands (000)

	<u>Taxable Income</u> <u>2012</u>	<u>Taxable Income</u> <u>2013</u>	<u>Taxable Income</u> <u>2014</u>	<u>Average</u>	
<u>Tax Loss Entities</u>					
UGI Corporation	0	0	0	0	
AmeriGas Inc.	0	0	0	0	
Four Flags	0	0	0	0	
Homestead Holding	(18)	0	0	(6)	
UGI Asset Management	0	0	0	0	
UGI China	(45)	0	(274)	(106)	
UGI Development Company	(7,242)	0	0	(2,414)	
UGI Europe	0	0	0	0	
UGID Holding	(8)	0	(8)	(5)	
UGI HVAC Enterprises	(3,231)	(965)	(2,485)	(2,227)	
UGI International (China)	0	0	(6)	(2)	
UGI LNG	(174)	(2,708)	(1,876)	(1,586)	
UGI Petroleum Products of DE	(868)	(10)	(10)	(296)	
UGI Properties	(3)	(25)	0	(9)	
UGI Utilities	0	0	0	0	
United Valley Insurance	(188)	(399)	0	(196)	
Hellertown Pipeline	0	0	(29)	(10)	
Ashtola Production Company	0	0	(1)	(0)	
Eliminations	(43)	(504)	0	(182)	
<b>Total Tax Loss</b>	<b>(11,820)</b>	<b>(4,611)</b>	<b>(4,689)</b>	<b>(7,040)</b>	
<u>Tax Positive Entities</u>					
					<u>% of</u> <u>Total</u>
AmeriGas Propane	22,363	12,529	42,408	25,767	14.9%
Petrolane Incorporated	7,993	3,332	15,856	9,060	5.2%
AmeriGas Inc	44	90	67	67	0.0%
UGI Storage Company	10,204	421	3,884	4,836	2.8%
Energy Service Funding	2,713	2,039	4,349	3,034	1.8%
Hellertown Pipeline	88	98	0	62	0.0%
Homestead Holding	0	14	40	18	0.0%
McHugh Services Co.	0	0	0	0	0.0%
Newberry Holding	15,672	15,396	7,785	12,951	7.5%
UGI Asset Management	0	0	0	0	0.0%
UGI Corporation	8,604	0	0	2,868	1.7%
UGI Development Company	0	326	10,804	3,710	2.1%
UGI Enterprises	31,010	49,721	83,999	54,910	31.8%
UGI Ethanol	0	0	0	0	0.0%
UGI Europe	311	9,735	10,044	6,697	3.9%
UGI Hunlock Development	0	0	0	0	0.0%
UGI HVAC Services	1,322	207	0	510	0.3%
UGI Penn Natural Gas	5,337	25,716	4,972	12,008	6.9%
UGI Penn HVAC Services	571	569	553	564	0.3%
UGI Properties	0	0	391	130	0.1%
UGI Utilities - Gas & Electric	0	19,052	24,564	14,539	8.4%
UGID Holding	0	(8)	0	(3)	0.0%
United Valley Insurance	0	0	370	123	0.1%
UGI Central Penn Gas	10,469	23,168	29,238	20,958	12.1%
UGI China	0	38	0	13	0.0%
UGI int'l China	2	5	0	2	0.0%
Eliminations	0	0	123	41	0.0%
<b>Subtotal Taxable Income</b>	<b>116,703</b>	<b>162,448</b>	<b>239,447</b>	<b>172,866</b>	<b>100.0%</b>
<b>Total</b>	<b>104,883</b>	<b>157,837</b>	<b>234,758</b>	<b>165,826</b>	
					<b>Tax Savings Applicable to UGI Utilities Inc. - Gas Division</b>
					<b>(517)</b>
					<b>Consolidated Tax Adjustment</b>
					<b>(181)</b>

Note. single-member limited liability companies, i.e. disregarded entities, have been combined with their tax-regarded parent company.

	<b>Taxable Income</b>		<b>Adjusted</b>
	<b><u>2012</u></b>	<b><u>Adjustments</u></b>	<b><u>Taxable Income</u></b>
<b><u>Tax Loss Entities</u></b>			
UGI Corporation	0		0
AmeriGas Inc.	0		0
Four Flags	0		0
Homestead Holding	(18)		(18)
UGI Asset Management	0		0
UGI China	(45)		(45)
UGI Development Company	(28,270)	21,028 (1)	(7,242)
UGI Europe	0		0
UGID Holding	(8)		(8)
UGI HVAC Enterprises	(4,196)	965 (2)	(3,231)
UGI International (China)	0		0
UGI LNG	(59,850)	59,676 (1)	(174)
UGI Petroleum Products of DE	(868)		(868)
UGI Properties	(3)		(3)
UGI Utilities	(2,386)	2,386 (1)	0
United Valley Insurance	(188)		(188)
Hellertown Pipeline	0		0
Ashtola Production Company	0		0
Eliminations	(43)		(43)
Total Tax Loss	(95,875)	84,055	(11,820)

**Notes:**

(1) Adjust to remove impact of bonus depreciation

(2) Adjust to remove discontinued operations



<u>Tax Loss Entities</u>	<u>Taxable Income</u> <u>2013</u>	<u>Adjustments</u>	<u>Adjusted</u> <u>Taxable Income</u>
UGI Corporation	(8,827)	8,827 (1)	0
AmeriGas Inc.	0		0
Four Flags	0		0
Homestead Holding	0		0
UGI Asset Management	0		0
UGI China	0		0
UGI Development Company	0		0
UGI Europe	0		0
UGID Holding	0		0
UGI HVAC Enterprises	(1,824)	859 (3)	(965)
UGI International (China)	0		0
UGI LNG	(3,326)	618 (2)	(2,708)
UGI Petroleum Products of DE	(10)		(10)
UGI Properties	(25)		(25)
UGI Utilities	0		0
United Valley Insurance	(399)		(399)
Hellertown Pipeline	0		0
Ashtola Production Company	0		0
Eliminations	(504)		(504)
Total Tax Loss	(14,915)	10,304	(4,611)

Notes:

- (1) Adjust to remove impact of expense due to above normal exercise of stock options.
- (2) Adjust to remove impact of bonus depreciation
- (3) Adjust to remove discontinued operations

	<b>Taxable Income</b>		<b>Adjusted</b>
	<b><u>2014</u></b>	<b><u>Adjustments</u></b>	<b><u>Taxable Income</u></b>
<b><u>Tax Loss Entities</u></b>			
UGI Corporation	(10,003)	10,003 (1)	0
AmeriGas Inc.	0		0
Four Flags	0		0
Homestead Holding	0		0
UGI Asset Management	0		0
UGI China	(274)		(274)
UGI Development Company	0		0
UGI Europe	0		0
UGID Holding	(8)		(8)
UGI HVAC Enterprises	(2,485)		(2,485)
UGI International (China)	(6)		(6)
UGI LNG	(1,921)	45 (2)	(1,876)
UGI Petroleum Products of DE	(10)		(10)
UGI Properties	0		0
UGI Utilities	0		0
United Valley Insurance	0		0
Hellertown Pipeline	(29)		(29)
Ashtola Production Company	(1)		(1)
Eliminations	0		0
Total Tax Loss	<u>(14,737)</u>	<u>10,048</u>	<u>(4,689)</u>

**Notes:**

(1) Adjust to remove impact of expense due to above normal exercise of stock options.

(2) Adjust to remove impact of bonus depreciation

UGI Utilities, Inc. - Gas Division  
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II-C-1

Request:

Provide test year monthly balances for "Current Gas Storage" and notes financing such storage.

Response:

Refer to Exhibit A (Historic), Schedule C-5, Exhibit A (Future), Schedule C-5, and Exhibit A (Fully Projected Future), Schedule C-5.

There are no specific notes financing gas storage.

Prepared by or under the supervision of: Ann P. Kelly

**SECTION 53.53 – BALANCE SHEET AND  
OPERATING STATEMENT**

UGI Utilities, Inc. - Gas Division  
Docket No. R-2015-2518438  
2016 Base Rate Case  
Responses to Section 53.53 - III-A - Balance Sheet and  
Operating Statement - All Utilities  
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III-A-1

Request:

Provide a comparative balance sheet for the test year and the preceding year which corresponds with the test year date.

Response:

Please refer to UGI Exhibit A (Historic), UGI Exhibit A (Future) and UGI Exhibit A (Fully Projected), Schedule B-1 for a comparative balance sheet for each of the test years. For the preceding year which corresponds with the test year date, please refer to the response to SDR-ROR-2.

Prepared by or under the supervision of: Ann P. Kelly

UGI Utilities, Inc. - Gas Division  
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Responses to Section 53.53 - III-A - Balance Sheet and  
Operating Statement - All Utilities  
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III-A-2

Request:

Set forth the major items of Other Physical Property, Investments in Affiliated Companies and Other Investments.

Response:

September 30, 2015 balances are in (000's):

Account 121 Non-Utility Property           \$     93

Account 123 Investment in Subsidiaries   \$ 440,539

Investment in subsidiaries have been removed from the balance sheet on Schedule B-1 to reflect only UGI Gas assets.

Prepared by or under the supervision of: Ann P. Kelly

UGI Utilities, Inc. - Gas Division  
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Responses to Section 53.53 - III-A - Balance Sheet and  
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III-A-3

Request:

Supply the amounts and purpose of Special Cash Accounts of all types, such as:

- a. Interest and Dividend Special Deposits.
- b. Working Funds other than general operating cash accounts.
- c. Other special cash accounts and amounts (Temporary cash investments).

Response:

September 30, 2015 balances are:

- a. None.
- b. None.
- c. Please see Attachment III-A-3.

Prepared by or under the supervision of: Ann P. Kelly

UGI Utilities, Inc. - Gas Division  
Account 136 - Temporary Cash Investment

	(000's)	
Account 136	9/30/15 Balances	
1 Federated Investors	\$	26
1 Goldman Sachs		38
1 Invesco		4
2 RJ O'Brien		210
3 Rosenthal Collins Group		2,486
Total Temporary Cash Investments	<u>\$</u>	<u>2,764</u>

Purpose:

- 1 Temporary cash investments
- 2 To purchase natural gas options & gasoline futures, and to cover maintenance margin requirements for gasoline futures
- 3 To purchase natural gas futures, and to cover maintenance margin requirements for natural gas futures



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III-A-4

Request:

Describe the nature and/or origin and amounts of notes receivable, accounts receivable from associated companies, and any other significant receivables, other than customer accounts, which appear on balance sheet.

Response:

Please see Attachment III-A-4.

Prepared by or under the supervision of: Ann P. Kelly

UGI Utilities, Inc. – Gas Division

Schedule of Accounts Receivable  
*(Thousands)*

<u>Account Description</u>	<u>Balance 9.30.15</u>
Employee Merchandise & Tuition Reimbursement	\$ 185
Service Relocation & Above Ground Damage Repair	6,492
Injuries & Damages Claims	296
Substructure Damages	306
Off System Sales & Delivery Service Fees	87
Accounts Receivable from Associated Companies – consisting primarily of sales of gas and administrative services provided to UGI Corporation, UGI Enterprises, Inc., Amerigas, UGI Penn Natural Gas, Inc. and UGI Central Penn Gas Inc.	9,396

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III-A-5

Request:

Provide the amount of accumulated reserve for uncollectible accounts, method and rate of accrual, amounts accrued, and amounts written-off in each of last three years.

Response:

Please see Attachment III-A-5.

Prepared by or under the supervision of: Ann P. Kelly

UGI Utilities, Inc. – Gas Division  
Schedule of Reserve for Uncollectible Accounts

(\$ in 000's except for rate of accrual)	<u>9/30/13</u>	<u>9/30/14</u>	<u>9/30/15</u>
Account 144 - Accumulated Provision for Uncollectible Accounts	\$2,050	\$2,605	\$3,159
Method <sup>1</sup>	Allowance	Allowance	Allowance
Rate of Accrual	1.41%	1.69%	1.88%
Amounts Accrued – Uncollectible Expense	\$4,944	\$7,069	\$7,726
Purchase of Receivables Discount - Uncollectible Expense Offset	<u>(\$144)</u>	<u>(\$489)</u>	<u>(\$523)</u>
Net Uncollectible Expense	\$4,800	\$6,580	\$7,203
Amounts Written Off (net of recoveries)	\$4,467	\$6,514	\$7,172

<sup>1</sup> The allowance method recognizes that a percentage of each month's sales will eventually prove to be uncollectible. Consequently, a percentage of each month's sales is charged to uncollectible expense in that month and the reserve is increased. When specific accounts are written off, they are charged to the reserve account, thus decreasing the reserve.

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III-A-6

Request:

Provide a list of prepayments and give an explanation of special prepayments.

Response:

Please see Attachment III-A-6.

Prepared by or under the supervision of: Ann P. Kelly

UGI Utilities, Inc. - Gas Division  
Schedule of Prepayments

(000's)  
9/30/15 Balances

Account 165

Insurance	\$	1,340
PUC General Assessment		1,365
IS Maintenance & Services		1,326
Other		448
Total Prepayments	\$	<u>4,479</u>

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III-A-7

Request:

Explain in detail any other significant (in amount) current assets listed on balance sheet.

Response:

Refer to UGI Exhibit A (Historic), UGI Exhibit A (Future) and UGI Exhibit A (Fully Projected), Schedule B-1.

Prepared by or under the supervision of: Ann P. Kelly

UGI Utilities, Inc. - Gas Division  
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III-A-8

Request:

Explain in detail, including the amount and purpose, the deferred asset accounts that currently operate to effect or will at a later date effect the operating account supplying:

- a. Origin of these accounts.
- b. Probable changes to this account in the near future.
- c. Amortization of these accounts currently charged to operations or to be charged in the near future.
- d. Method of determining yearly amortization for the following accounts:
  - Temporary Facilities
  - Miscellaneous Deferred Debits
  - Research and Development
  - Property Losses
  - Any other deferred accounts that effect operating results.

Response:

Please see Attachment III-A-8 for details.

Prepared by or under the supervision of: Ann P. Kelly



UGI Utilities, Inc. – Gas Division  
 Schedule of Deferred Asset Accounts  
 (Thousands)

<u>Account Description</u>	<u>Balance at</u> <u>9/30/2015</u>	<u>Footnote</u>
Energy Efficiency and Conservation (EEC)	\$ 23	7
Rate Case	62	2
Universal Service Program (USP) Over/Under & Interest	908	3
Debt Issuance Expense	1,180	1
Environmental Cost of Removal	2,358	5
Cost of Removal	11,294	5
Deferred Recoverable Income Taxes	81,365	4
Pension Benefit	<u>80,310</u>	6
	<u>\$177,500</u>	

**Footnotes for Amortization Schedule**

- (1) Amortized over the term of the debt instrument.
- (2) Amortized over a period of three years.
- (3) Recovery of Over/Under collection subject to annual reconciliation.
- (4) Amortized over a period of 1-65 years dependant upon the nature of the cost.
- (5) Amortized over a period of five years.
- (6) Amortized over the average remaining future service lives of plan participants.
- (7) To be amortized over a five year period upon start of the EEC Rider for UGI Gas.

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III-A-9

Request:

Explain the nature of accounts payable to associated companies, and note amounts of significant items.

Response:

Please see Attachment III-A-9.

Prepared by or under the supervision of: Ann P. Kelly

UGI Utilities, Inc. – Gas Division  
Schedule of Accounts Payable to Associated Companies  
(Thousands)

<u>Affiliate Name</u>	<u>Balance at</u> <u>9/30/2015</u>	<u>Nature of Payable Activity</u>
UGI Corporation	\$ 381	Administrative services
UGI Energy Services	8,896	Gas purchase activity
UGI Central Penn Gas, Inc.	34	Gas purchase activity
UGI Penn Natural Gas, Inc.	<u>24</u>	Gas purchase activity
	\$ 9,335	

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III-A-10

Request:

Provide details of other deferred credits as to their origin and disposition policy (e.g.-- amortization).

Response:

Please see Attachment III-A-10 for a detailed schedule of Deferred Credits.

Prepared by or under the supervision of: Ann P. Kelly

UGI Utilities, Inc. – Gas Division  
 Schedule of FERC 253 – Other Deferred Credits  
 (Thousands)

<u>FERC Account Description</u>	<u>Balance at</u> <u>9/30/2015</u>	<u>Footnote</u>
Deferred Rent Expense	\$ 14	7
Uncertain Tax Position	28	6
Executive Supplemental Savings Plan	42	1
Long Term Disability - Non Current	287	5
Short Term Disability & COBRA - Non Current	580	4
Restricted Share Awards	952	3
Other Post Employment	1,035	8
Executive Retirement Plan	3,015	1
Regulatory Liability - Other Post Employment Benefits	<u>11,618</u>	2
	\$ 17,571	

**Footnotes for Amortization Schedule**

- (1) Amortized over the average remaining future service lives of plan participants.
- (2) Refer to testimony by A. P. Kelly for details of amortization.
- (3) Payout awarded at the end of the performance period.
- (4) The valuation reflects the costs associated with all future disability payments, and will be relieved as disability payments are made.
- (5) Adjusted quarterly based on the present value of the benefit costs to be paid over the disability term for an employee.
- (6) Fully amortized in October 2015.
- (7) Amortized over term of lease agreement.
- (8) Unreconciled benefit costs.

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III-A-11

Request:

Supply basis for Injury and Damages reserve and amortization thereof.

Response:

The accrual for injuries and damages expense is designed to maintain the reserve at a proper level with respect to existing and potential claims, taking into account the insurance coverage available to UGI Gas, which currently covers personal injuries and property damage in excess of \$500,000 per claim. Actual disbursements are charged against the reserve as expenditures are made.

Prepared by or under the supervision of: Ann P. Kelly

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III-A-12

Request:

Provide details of any significant reserves, other than depreciation, bad debt, injury and damages, appearing on balance sheet.

Response:

Please refer to the response to SDR-RR-54 for details of significant reserves appearing on the balance sheet.

Prepared by or under the supervision of: Ann P. Kelly

UGI Utilities, Inc. - Gas Division  
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III-A-13

Request:

Provide an analysis of unappropriated retained earnings for the test year and three preceding calendar years.

Response:

Please refer to Attachment III-A-13.

Prepared by or under the supervision of: Ann P. Kelly



## UGI Utilities, Inc. - Consolidated

## Analysis of Unappropriated Retained Earnings

Twelve Months Ended September 30,*(Thousands of Dollars)*

<u>Line No.</u>	<u>Historic 2012</u>	<u>Historic 2013</u>	<u>Historic 2014</u>	<u>HTY 2015</u>	<u>FTY 2016</u>	<u>FPFTY 2017</u>
1 Beginning Balance	\$212,096	\$229,379	\$269,978	\$316,688	\$372,143	\$437,877
2 Net Income	87,898	102,099	124,107	121,055	117,734	111,965
3 Common Stock Dividends	<u>(70,615)</u>	<u>(61,500)</u>	<u>(77,397)</u>	<u>(65,600)</u>	<u>(52,000)</u>	<u>(60,000)</u>
4 Ending Balance	<u>\$229,379</u>	<u>\$269,978</u>	<u>\$316,688</u>	<u>\$372,143</u>	<u>\$437,877</u>	<u>\$489,842</u>

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III-A-14

Request:

Provide schedules and data in support of the following working capital items:

- a. Prepayments--List and identify all items
- b. Federal Excise Tax accrued or prepaid
- c. Federal Income Tax accrued or prepaid
- d. Pa. State Income Tax accrued or prepaid
- e. Pa. Gross Receipts Tax accrued or prepaid
- f. Pa. Capital Stock Tax accrued or prepaid
- g. Pa. Public Utility Realty Tax accrued or prepaid
- h. State sales tax accrued or prepaid
- i. Payroll taxes accrued or prepaid
- j. Any adjustment related to the above items for ratemaking purposes.

Response:

Refer to UGI Exhibit A (Historic, Future & Fully Projected Future), Schedule C-4, response to III-A-6, and the Direct Testimony of Ann P. Kelly, UGI Gas Statement No. 2.

Prepared by or under the supervision of: Ann P. Kelly

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III-A-15

Request:

Supply an exhibit supporting the claim for working capital requirement based on the lead-lag method.

- a. Pro forma expenses and revenues are to be used in lieu of book data for computing lead-lag days.
- b. Respondent must either include sales for resale and related expenses in revenues and in expenses or exclude from revenues and expenses. Explain procedures followed (exclude telephone).

Response:

Refer to UGI Exhibit A (Historic), UGI Exhibit A (Future) and UGI Exhibit A (Fully Projected), Schedule C-4, and the Direct Testimony of Ann P. Kelly, UGI Gas Statement No. 2.

Prepared by or under the supervision of: Ann P. Kelly

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III-A-16

Request:

Provide detailed calculations showing the derivation of the tax liability offset against gross cash working capital requirements.

Response:

Refer to UGI Gas Schedule C-4 within Exhibit A (Historic), Exhibit A (Future), and Exhibit A (Fully Projected).

Prepared by or under the supervision of: Nicole M. McKinney

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III-A-17

Request:

Prepare a Statement of Income for the various time frames of the rate proceeding including:

Col. 1--Book recorded statement for the test year.

2--Adjustments to book record to annualize and normalize under present rates.

3--Income statement under present rates after adjustment in Col. 2

4--Adjustment to Col. 3 for revenue increase requested.

5--Income statement under requested rates.

a. Expenses may be summarized by the following expense classifications for purposes of this statement:

Operating Expenses (by category)

Depreciation

Amortization

Taxes, Other than Income Taxes

Total Operating Expense

Operating Income Before Taxes

Federal Taxes

State Taxes

Deferred Federal

Deferred State

Income Tax Credits

Other Credits

Other Credits and Charges, etc.

Total Income Taxes

Net Utility Operating Income

Other Income & Deductions

Other Income

Detailed listing of Other Income used in Tax Calculation

Other Income Deduction

Detailed Listing

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III-A-17 (Continued)

Taxes Applicable to Other Income and Deductions  
Listing  
Income Before Interest Charges  
Listing of all types of Interest Charges and all amortization of Premiums  
and/or Discounts and Expenses on Debt issues  
Total Interest  
Net Income After Interest Charges

(Footnote each adjustment to the above statements with explanation in sufficient clarifying detail.)

Response:

Please refer to UGI Exhibits A (Historic), A (Future), and A (Fully Projected), schedules in Section D, for the Company's presentation of the requested Statements of Income and adjustments to operating revenues and expenses.

Please refer to UGI Gas Statement No. 2, the Direct Testimony of Ann P. Kelly for explanations of the Statements of Income and adjustments to operating revenues and expenses depicted in the Section D schedules of each Exhibit A, the underlying sources of historic and budgeted information, and the basis for the adjustments.

Please refer to UGI Gas Statement No. 3, the Direct Testimony of Paul R. Moul, and related UGI Exhibit B, Schedule 6, for the derivation of the weighted average cost of debt used in the Company's debt interest synchronization adjustment, including the treatment of debt issuance expense, premiums and discounts used in calculating the effective cost rate for each series of long-term debt.

Please refer to UGI Gas Statement No. 6, the Direct Testimony of David E. Lahoff, for explanation on the derivation of future test year and fully projected year sales and revenues.

Please refer to UGI Gas Statement No. 10, the Direct Testimony of Nicole M. McKinney, for the explanation of the Company's income tax adjustments.

Prepared by or under the supervision of: Ann P. Kelly

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III-A-18

Request:

Provide comparative operating statements for the test year and the immediately preceding 12 months showing increases and decreases between the two periods. These statements should supply detailed explanation of the causes of the major variances between the test year and preceding year by detailed account number.

Response:

Please refer to Attachment III-A-18 for the exhibit of comparative operating statements.

Explanations of major variances are shown below in (\$000's):

Revenues from Sales of Gas – Decrease of \$21,586 – Accts 480, 481, 489, 495, 999  
The decrease in revenues from sales of gas is due to a 3.1% decrease in heating degree days year over year and a 11.3% decrease in the average PGC rate, which was partially offset by a 2.2% increase in the number of customers.

Other Operating Revenues – Increase of \$396 – Accts 487, 488, 493, 495  
The increase in other operating revenues is primarily due to recoveries of previously written off miscellaneous service revenues. This is partially offset by a decrease in late payment charges, which follows the decrease in sales of gas.

Cost of Sales – Decrease of \$23,967 – Accts 804, 805, 808, 813  
The decrease in cost of sales is due to a 11.3% decrease in price, which is partially offset by an increase in volumes as customer growth offset the impacts of a 3.1% warmer year.

Storage, Transmission, & Other Production – Increase of \$615 – Accts 812, 850, 856, 857, 859, 861-863, 865  
The increase in storage, transmission, & other production expense is primarily due to an increase in the maintenance of mains.

Distribution – Increase of \$1,912 – Accts 870-881, 885-895  
The increase in distribution expenses is due primarily to increased maintenance work related to line locating, leak repairs, valve inspections, and corrosion control.

Customer Accounts – Increase of \$848 – Accts 901-905

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III-A-18 (Continued)

The increase in customer accounts is due primarily to increased uncollectibles expense year over year, as the compounding impact of two consecutive cold winters and regulatory changes offset the impact from lower sales.

**Sales – Decrease of \$110**

The decrease in sales expense year over year is due to a decrease in printed advertising.

**Administrative and General – Increase of \$2,314 – Accts 920-926, 930.1, 930.2, 931, 932, 935**

The increase in Administrative and General expenses is due primarily to an increase in professional services, payroll expenses and benefits, professional dues, outside repairs and services, and allocated costs from the UGI Corporation parent company.

**Depreciation – Increase of \$2,813 – Acct 403**

The increase in depreciation expense is due to the higher capital expenditures in FY2014 and FY2015 and the correlating higher additions, as well as a full year of depreciation expense on the assets placed in service in FY2014.

**Taxes Other than Income Taxes – Decrease of \$144 – Acct 408**

The decrease in Taxes Other than Income Taxes is due primarily to the phase out of the Pennsylvania Capital Stock Tax.

**Other Income – Increase of \$473 – Accts 415, 419, 421, 426**

The increase in Other Income is primarily due to an increase on off-system sales subject to the revenue sharing incentive mechanism.

**Interest Expense – Increase of \$1,239 – Accts 427, 428, 431, 432**

The increase in interest expense is due to a full year of allocated interest expense on the \$175M of private-placement debt in 2015, which was issued in March 2014.

**Income Taxes – Decrease of \$5,355 – Accts 409, 410, 411**

The decrease in taxes is due to lower earnings before tax and a decrease in the effective tax rate.



**UGI UTILITIES, INC. - GAS DIVISION**  
**STATEMENT OF OPERATIONS**  
**FOR THE YEARS ENDED SEPTEMBER 30, 2014 AND 2015**  
(thousands of dollars)

	<u>12 Months</u> <u>09/30/14</u>	<u>12 Months</u> <u>09/30/15</u>	<u>Variance</u>
Operating Revenues:			
Revenues from Sales of Gas	\$ 512.985	\$ 491.399	\$ (21.586)
Other Operating Revenues	<u>6.755</u>	<u>7.151</u>	<u>396</u>
Total Operating Revenues	519.740	498.550	(21.190)
Operating Expenses:			
Cost of Sales	266.326	242.359	(23.967)
Storage, Transmission, & Other Production	(76)	539	615
Distribution	33.006	34.918	1.912
Customer Accounts	17.108	17.956	848
Customer Service And Inform.	1.734	1.739	5
Sales	1.089	979	(110)
Administrative And General	44.564	46.878	2.314
Depreciation	27.421	30.234	2.813
Amortization	1.528	1.624	96
Taxes, Other than Income Taxes	5.591	5.447	(144)
Total Operating Expenses	<u>398.291</u>	<u>382.673</u>	<u>(15.618)</u>
Operating Income	121.449	115.877	(5.572)
Other Income	<u>2.051</u>	<u>2.524</u>	<u>473</u>
Earnings Before Interest and Taxes	123.500	118.401	(5.099)
Interest Expense	<u>16.869</u>	<u>18.108</u>	<u>1.239</u>
Earnings Before Taxes	106.631	100.293	(6.338)
Income Taxes	<u>34.530</u>	<u>29.175</u>	<u>(5.355)</u>
Net Income	<u>\$ 72.101</u>	<u>\$ 71.118</u>	<u>\$ (983)</u>

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: III-A-19

Request:

List extraordinary property losses as a separate item, not included in operating expenses or depreciation and amortization. Sufficient supporting data must be provided.

Response:

None.

Prepared by or under the supervision of: Ann P. Kelly

UGI Utilities, Inc. - Gas Division  
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III-A-20

Request:

Supply detailed calculations of amortization of rate case expense, including supporting data for outside services rendered. Provide the items comprising the rate case expense claim (include the actual billings or invoices in support of each kind of rate case expense), the items comprising the actual expenses of prior rate cases and the unamortized balances.

Response:

The Company's rate case expense claim is based on the normalization of projected rate case expenditures. For details, please refer to UGI Exhibit A (Historic), UGI Exhibit A (Future), UGI Exhibit A (Fully Projected), Schedule D-10.

Prepared by or under the supervision of: Ann P. Kelly

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III-A-21

Request:

Submit detailed computation of adjustments to operating expenses for salary, wage and fringe benefit increases (union and non-union merit, progression, promotion and general) granted during the test year and six months subsequent to the test year. Supply data showing for the test year:

- a. Actual payroll expense (regular and overtime separately) by categories of operating expenses, i.e., maintenance, operating transmission, distribution, other.
- b. Date, percentage increase, and annual amount of each general payroll increase during the test year.
- c. Dates and annual amounts of merit increases or management salary adjustments.
- d. Total annual payroll increases in the test year.
- e. Proof that the actual payroll plus the increases equal the payroll expense claimed in the supporting data (by categories of expenses).
- f. Detailed list of employe benefits and cost thereof for union and non-union personnel. Any specific benefits for executives and officers should also be included, and cost thereof.
- g. Support the annualized pension cost figures.
  - (i) State whether these figures include any unfunded pension costs. Explain.
  - (ii) Provide latest actuarial study used for determining pension accrual rates.
- h. Submit a schedule showing any deferred income and consultant fee to corporate officers or employees.

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III-A-21 (Continued)

Response:

a – f. Refer to Exhibit A (Fully Projected), Schedules D-7, D-9, D-12, D-13, D-18 and the Direct Testimony of Ann Kelly, UGI Statement No. 2.

g. Refer to Attachment III-A-21 for the latest actuarial report showing pension accrual rates.

h. There are no significant deferred income and consultant fees to corporate officers or employees.

Prepared by or under the supervision of: Ann P. Kelly



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October 30, 2015

Ms. Denise M. Bassett  
Manager, Compensation & Benefits  
UGI Utilities, Inc.  
2525 N. 12th Street, Suite 360  
P.O. Box 12677  
Reading, PA 19612-2677

Dear Denise:

### FISCAL 2016 ASC 715-30 PENSION EXPENSE

We have calculated the fiscal 2016 ASC 715-30 pension expense for the Retirement Income Plan for Employees of UGI Utilities, Inc. (RIP) to be \$12,763,866.

### ASC 715-30 PENSION EXPENSE

The actual fiscal 2016 pension expense for the RIP is allocated amongst the business units as follows:

Utilities	\$ 7,850,695
Holding Company	1,002,977
Enterprises	40,005
UGID	81,218
HVAC	390,434
PNG	1,546,347
CPG Gas	1,802,730
CPG Propane	49,460
	\$ 12,763,866

The fiscal 2016 pension expense compares to actual fiscal 2015 pension expense of \$10,879,176. There are multiple factors influencing the change in expense. Primary reasons for the change in expense are as follows:

- Expected changes (including cash contributions made to the plan) based on the prior valuation decreased fiscal 2016 expense by approximately \$3.7 million
- The change in the mortality assumption increased fiscal 2016 expense by approximately \$3.6 million
- Investment returns during fiscal 2015 were less than anticipated, and increased fiscal 2016 expense by approximately \$3.4 million
- The change in the termination and retirement assumptions decreased the fiscal 2016 expense by approximately \$1.4 million
- The change in the expected rate of return of assets assumption increased the expense by approximately \$0.8 million
- The reflection of the January 1, 2015 census data decreased fiscal 2016 expense by approximately \$0.8 million

The pension expense is based on the projected benefit obligation (PBO) and fair asset value measured as of September 30, 2015, as reported in UGI's fiscal 2015 year-end financial disclosure. The plan's PBO as of September 30, 2015 was estimated to be \$563,621,664 and the fair value of assets were reported to be \$430,788,927.

The details of the pension expense calculations are shown in the following exhibits:

- Exhibit I contains the expense calculations in total
- Exhibit II contains the expense components by business unit

The PBO was allocated to the various business units based on the codes provided in the 2015 valuation data and confirmed through the data question process. Service cost and interest cost were allocated to each unit based on actual amounts calculated for the respective participants of each unit. The expected return on assets component and the amortization components of pension expense were allocated in proportion to the PBO's of the respective business unit.

## EMPLOYEE DEMOGRAPHICS

Census data used for the determination of fiscal 2016 pension cost is as of January 1, 2015. After discussions with UGI, obligations were projected to September 30, 2015 on a no gain/loss basis, and adjusted for changes in key actuarial assumptions. There were 1,133 active participants as of January 1, 2015. A breakdown of the active participants by business unit is as follows:

- UGI Utilities: 662
- Holding Company: 33
- Enterprises: 1
- UGID: 0
- UGI HVAC: 40
- PNG: 188
- CPG Gas: 209
- CPG Propane: 0

The number of inactive participants as of January 1, 2015 is 2,763, which includes 946 terminated vested participants and 1,817 participants currently receiving benefits.

## INVESTMENT EXPERIENCE

The rate of return on the fair value of assets was approximately 0.1% for the period October 1, 2014 to September 30, 2015 compared to the assumed investment return of 7.75% for the period. The rate of return on the market-related value of assets, the smoothed value used for determination of pension expense, was approximately 6%. The market-related value of assets phases in deviations from the assumed return on the equity portion of the portfolio. For the fixed income portion of the portfolio, the market-related value is equal to the fair value. Actual 2015 investment return caused the fiscal 2016 pension expense to increase compared to fiscal 2015.



Ms Denise M. Bassett  
October 30, 2015

## ASSUMPTIONS

The fiscal 2015 and 2016 ASC 715-30 pension costs were determined using the following assumptions:

### ECONOMIC ASSUMPTIONS:

	FISCAL 2016	FISCAL 2015																				
• Discount rate	4.60%	4.60%																				
• Weighted-average salary increase assumption from age 40 to expected retirement	3.25%	3.25%																				
• Expected return on assets	7.55%	7.75%																				
• Cash contributions	2015 target normal cost prior to reflection of HATFA corridors (\$9,868,912) based on the following schedule:	2014 target normal cost prior to reflection of MAP-21 corridors (\$11,131,394) based on the following schedule:																				
	<table border="1"> <thead> <tr> <th>Date</th> <th>Amount</th> </tr> </thead> <tbody> <tr> <td>12/15/2015</td> <td>2,467,228</td> </tr> <tr> <td>3/15/2016</td> <td>2,467,228</td> </tr> <tr> <td>6/15/2016</td> <td>2,467,228</td> </tr> <tr> <td>9/15/2016</td> <td>2,467,228</td> </tr> </tbody> </table>	Date	Amount	12/15/2015	2,467,228	3/15/2016	2,467,228	6/15/2016	2,467,228	9/15/2016	2,467,228	<table border="1"> <thead> <tr> <th>Date</th> <th>Amount</th> </tr> </thead> <tbody> <tr> <td>12/15/2014</td> <td>2,782,849</td> </tr> <tr> <td>3/15/2015</td> <td>2,782,849</td> </tr> <tr> <td>6/15/2015</td> <td>2,782,849</td> </tr> <tr> <td>9/15/2015</td> <td>2,782,849</td> </tr> </tbody> </table>	Date	Amount	12/15/2014	2,782,849	3/15/2015	2,782,849	6/15/2015	2,782,849	9/15/2015	2,782,849
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12/15/2015	2,467,228																					
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6/15/2015	2,782,849																					
9/15/2015	2,782,849																					

### DEMOGRAPHIC ASSUMPTIONS:

**Mortality:** Separate rates for non-annuitants and annuitants based on the RP-2014 blue collar table with rates decreased by 4.3%, projected using Scale BB-2D on a generational basis from 2006. The mortality assumption was updated from the statutory table used for 2014 funding valuations to better reflect anticipated experience under the plan. A review of actual pension plan experience from 2010-2014 was used to inform this decision.

The termination and retirement rate assumptions were updated for fiscal 2016 based on a review of pension plan experience from 2010-2014, conducted in 2015.

All other assumptions and methods, as well as their rationale, are unchanged from those documented in the fiscal 2015 actuarial valuation report.

### PLAN PROVISIONS

All plan provisions are the same as those documented in the fiscal 2015 actuarial valuation report.



**TOWERS WATSON** 

Ms. Denise M. Bassett  
October 30, 2015

## PROFESSIONAL QUALIFICATIONS AND RELIANCES

The undersigned consulting actuaries are members of the Society of Actuaries and meet the "Qualification Standards for Actuaries Issuing Statements of Actuarial Opinion in the United States" relating to pension plans. Our objectivity is not impaired by any relationship between UGI Utilities, Inc. and our employer, Towers Watson Delaware Inc.

In preparing the results presented in this report, we have relied upon information regarding plan provisions, participants, assets and plan sponsor accounting policies and methods provided by UGI. We have reviewed this information for overall reasonableness and consistency, but have neither audited nor independently verified this information. Based on discussions with and concurrence by the plan sponsor, assumptions or estimates may have been made if data were not available. We are not aware of any errors or omissions in the data that would have a significant effect on the results of our calculations. The results presented in this report are directly dependent upon the accuracy and completeness of the underlying data and information. Any material inaccuracy in the data, assets, plan provisions or information regarding contributions or funding balance elections provided to us may have produced results that are not suitable for the purposes of this report and such inaccuracies, as corrected by UGI Utilities, Inc., may produce materially different results that could require that a revised report be issued.

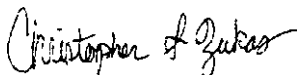
As required by U.S. GAAP, the actuarial assumptions and methods employed in the development of the pension cost have been selected by the plan sponsor. ASC 715-30-35 requires that each significant assumption "individually represent a reasonable estimate of a particular future event."

Accumulated other comprehensive (income)/loss amounts shown in the report are shown prior to adjustment for deferred taxes. Any deferred tax effects in AOCI should be determined in consultation with UGI Utilities, Inc.'s tax advisors and auditors.

Towers Watson has concurred with these assumptions and methods, with the exception of the expected return on asset assumption. UGI has selected the assumption based on another vendor's work, and review of this assumption is outside the scope of services.

Please call us, if you have any questions or would like to discuss these results further.

Sincerely,



Christopher S. Zukas, FSA  
Senior Consulting Actuary



Lori Wolfersberger, FSA  
Consulting Actuary

Direct Dial: 215-246-6104

215-246-4942

Enclosures

cc: Dawn Beers – UGI Corporation  
Richard Berger – UGI Corporation  
Karen Heisler – UGI Utilities, Inc.  
Ann Kelly – UGI Utilities, Inc.  
Dan Platt – UGI Utilities, Inc.  
Will Ruthrauff – UGI Utilities, Inc.  
Theresa Bradley – Towers Watson/Philadelphia  
A. Paul Kienzle – Towers Watson/Philadelphia  
Mathieu Lussier – Towers Watson/Philadelphia

**EXHIBIT I**

**RETIREMENT INCOME PLAN FOR EMPLOYEES OF UGI UTILITIES, INC.**

**Valuation Results**

	<b>Fiscal Year 2016</b> <b>(Fiscal Year ending 9/30/16)</b>	<b>Fiscal Year 2015</b> <b>(Fiscal Year ending 9/30/15)</b>
Fair Value of Assets (FV)	\$430,788,927	: \$442,464,519
Projected Benefit Obligation (PBO)	563,621,664	539,725,512
PBO Funded Percentage	76.4%	82.0%
 <b><u>Reconciliation of Funded Status</u></b>		
Funded Status (FV – PBO)	(132,832,737)	(97,260,993)
AOCI	155,946,254	120,122,289
 Market-Related Value of Assets	 \$427,889,567	 \$415,324,837
 <b><u>Net Periodic Pension Cost (Income)</u></b>		
Service Cost	\$7,771,967	\$7,863,074
Interest Cost	25,732,792	24,656,017
Expected Return on Assets	(31,714,510)	(31,651,450)
Amortization		
Prior Service Cost	348,389	348,389
Actuarial Loss (Gain)	10,625,228	9,663,146
<b><i>Net Pension Cost (Income)</i></b>	<b><i>\$12,763,866</i></b>	<b><i>\$10,879,176</i></b>
 <b><u>Assumptions</u></b>		
Discount Rate	4.60%	4.60%
Average Salary Increases	3.25%	3.25%
Expected Return on Assets	7.55%	7.75%



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III-A-22

Request:

Supply an exhibit showing an analysis, by functional accounts, of the charges by affiliates (Service Corporations, etc.) for services rendered included in the operating expenses of the filing company for the test year and for the 12-month period ended prior to the test year:

- a. Supply a copy of contracts, if applicable.
- b. Explain the nature of the services provided.
- c. Explain basis on which charges are made.
- d. If charges allocated, identify allocation factors used.
- e. Supply the components and amounts comprising the expense in this account.
- f. Provide details of initial source of charge and reason thereof.

Response:

- a. Refer to Attachment III-A-22.1 for a listing of applicable gas purchase agreements and asset management agreements which have been previously authorized by the Commission. Refer to Attachment III-A-22.2 (contained on CD) for copies of the Affiliated Interest Agreements which have been previously authorized by the Commission.
- b. – f. See Attachment III-A-22.3 for a listing of affiliate transactions for the year ended September 30, 2015.

UGI Corporation provides administrative services to UGI pursuant to affiliate interest agreements authorized by the Commission. Services provided by UGI Corporation include but are not limited to executive management, finance, pension fund management, internal audit, legal, shareholder relations, insurances, claims and similar types of services. The allocation of charges for these common administrative services follows the methodology which the Commission has found appropriate during previous reviews including the most recent management efficiency audit.

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III-A-22 (Continued)

UGI Penn Natural Gas, Inc. and UGI Central Penn Gas, Inc. provide services related to labor, fleet, materials and supplies, and natural gas sales. UGI Energy Services, LLC, provides natural gas sales to UGI Utilities, Inc. as outlined per the gas purchase contracts.

See response to III-A-45 for further information pertaining to allocation methodology.

Prepared by or under the supervision of: Ann P. Kelly

UGI Utilities, Inc. - Gas Division  
List of Natural Gas Purchase Agreements and Asset Management Agreements

Affiliate Name	Contract Effective Date	Contract Termination Date
<i>UGI Penn Natural Gas, Inc.</i> - Natural Gas Purchase Agreement	1/1/2007	30 days written notice
<i>UGI Central Penn Gas, Inc.</i> - Natural Gas Purchase Agreement	10/21/2008	30 days written notice
<i>UGI Energy Services, LLC</i> Master Contract and Amendment SM-465934-UGI - Natural Gas Purchase Agreement	5/8/1996	90 days written notice
Natural Gas Supply & Delivery Contract UGIU-P-1010	11/2/2015	3/31/2020
Natural Gas Supply and Delivery Contract 6.012 MDQ & Amendment	11/1/2013	3/31/2016
Natural Gas Supply and Delivery Contract 10.000 MDQ	11/1/2013	10/31/2018
Natural Gas Supply and Delivery Contract 21.697 MDQ	11/1/2014	3/31/2018
Natural Gas Supply and Delivery Contract 25.185 MDQ	11/1/2014	3/31/2019
Natural Gas Supply and Delivery Contract 34.500 MDQ & Amendment	11/1/2012	3/31/2016
Peaking Delivery Service	11/1/2009	3/31/2023
Asset Management Agreement (1)	5/15/2012	10/31/2015
Asset Management Agreement	11/1/2015	10/31/2018

(1) Includes an amendment to the initial agreement

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and  
Subsidiary Companies  
(Thousands)

	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>
<b><i>UGI Central Penn Gas, Inc.</i></b>				
Gas Purchases	1,670	2,191	2,267	2,347
Materials and Supplies	70	60	62	64
Labor Cost	87	48	50	51
Fleet Costs	34	22	23	24
Total	<u>1,861</u>	<u>2,320</u>	<u>2,402</u>	<u>2,486</u>
<b><i>UGI Penn Natural Gas, Inc.</i></b>				
Gas Purchases	753	1,759	1,820	1,884
Materials and Supplies	177	339	351	363
Labor Cost	509	264	273	283
Fleet Costs	78	104	108	112
Total	<u>1,518</u>	<u>2,466</u>	<u>2,552</u>	<u>2,642</u>
<b><i>UGI Corporation</i></b>				
Allocated Expenses	5,121	5,767	5,969	6,178
Audit Fees	16	253	262	271
Employment Agency Fees	114	146	151	157
Legal Fees	33	27	28	28
Other Outside Services	59	40	42	43
Ratings Agency	19	-	20	-
SEC Filing	23	33	34	35
Stock Option	449	419	433	448
Tax Filings	8	11	11	11
Total	<u>5,841</u>	<u>6,696</u>	<u>6,950</u>	<u>7,173</u>
<b><i>UGI Energy Services, LLC.</i></b>				
Gas Purchases	<u>191,690</u>	<u>158,865</u>	<u>164,426</u>	<u>170,180</u>
Total	191,690	158,865	164,426	170,180

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III-A-23

Request:

Describe costs relative to leasing equipment, computer rentals, and office space, including terms and conditions of the lease. State method for calculating monthly or annual payments.

Response:

Please see Attachment III-A-23.

Prepared by or under the supervision of: Ann P. Kelly



Costs Relative to Leasing Equipment, Computer Rental and Office Space  
12 Months Ended 9/30/15  
(000's)

	<u>Annual Expenses</u>	<u>Method of Computing Payment</u>	<u>Terms of Lease or Rental Agreement</u>
Building	\$ 388	Monthly payments per lease or rental agreements. Percentage applied from Modified Wisconsin Formula for leases of shared properties.	2009 - 2020
IS/Computer Equipment	421	Monthly payments per lease or rental agreements. Percentage applied from Modified Wisconsin Formula for leases of shared properties.	2013 - 2018
Motor Vehicle	<u>2,474</u>	Monthly payments per lease or rental agreements.	2009 - 2019
Total	<u>\$ 3,283</u>		

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III-A-24

Request:

Submit detailed calculations (or best estimates) of the cost resulting from major storm damage.

Response:

No major storm damages have been recorded in the last five fiscal years. Accordingly, no damages are included in the historic, future or fully projected future test year claims.

Prepared by or under the supervision of: Ann P. Kelly

UGI Utilities, Inc. - Gas Division  
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III-A-25

Request:

Submit details of expenditures for advertising (National and Institutional and Local media). Provide a schedule of advertising expense by major media categories for the test year and the prior two comparable years with respect to:

- a. Public health and safety
- b. Conservation of energy
- c. Explanation of Billing Practices, Rates, etc.
- d. Provision of factual and objective data programs in educational institutions
- e. Other advertising programs
- f. Total advertising expense

Response:

Please see Attachment III-A-25.

Prepared by or under the supervision of: Robert R. Stoyko

UGI Utilities Inc. - Gas Division  
Advertising Expenses

			FY 17	FY 16	FY 15	FY 14	FY 13
	Cost Element						
Public Health & Safety	Print	4550	\$ 123,240	\$ 119,650	\$ 25,378	\$ 95,577	\$ 49,819
Public Health & Safety	Radio	4600	\$ -	\$ -	\$ -	\$ -	\$ -
Public Health & Safety	TV	4650	\$ -	\$ -	\$ -	\$ -	\$ -
Public Health & Safety	Bill Insert	4700	\$ 29,666	\$ 28,801	\$ -	\$ 28,801	\$ -
Public Health & Safety	Other*	4750	\$ 6,951	\$ 6,749	\$ 580	\$ 22,580	\$ 28,467
Conservation of Energy	Print	4560	\$ 277,790	\$ 269,699	\$ 339,428	\$ 394,177	\$ 310,097
Conservation of Energy	Radio	4610	\$ -	\$ -	\$ -	\$ -	\$ -
Conservation of Energy	TV	4660	\$ -	\$ -	\$ -	\$ -	\$ 82,139
Conservation of Energy	Bill Insert	4710	\$ 35,836	\$ 34,793	\$ 21,084	\$ 26,987	\$ 47,134
Conservation of Energy	Other*	4760	\$ 3,136	\$ 3,045	\$ 8,684	\$ 6,578	\$ 9,360
Explanation of Bill Practices, Rates, Etc.	Print	4570	\$ 9,239	\$ 8,970	\$ 8,793	\$ 8,040	\$ 8,599
Explanation of Bill Practices, Rates, Etc.	Radio	4620	\$ -	\$ -	\$ -	\$ -	\$ -
Explanation of Bill Practices, Rates, Etc.	TV	4670	\$ -	\$ -	\$ -	\$ -	\$ -
Explanation of Bill Practices, Rates, Etc.	Bill Insert	4720	\$ -	\$ -	\$ -	\$ -	\$ -
Explanation of Bill Practices, Rates, Etc.	Other*	4770	\$ -	\$ -	\$ -	\$ -	\$ -
Data Programs in Educational Institutions	Print	4580	\$ -	\$ -	\$ -	\$ -	\$ -
Data Programs in Educational Institutions	Radio	4630	\$ -	\$ -	\$ -	\$ -	\$ -
Data Programs in Educational Institutions	TV	4680	\$ -	\$ -	\$ -	\$ -	\$ -
Data Programs in Educational Institutions	Bill Insert	4730	\$ -	\$ -	\$ -	\$ -	\$ -
Data Programs in Educational Institutions	Other*	4780	\$ -	\$ -	\$ 2,000	\$ -	\$ 250
Other Advertising Programs	Print	4590	\$ 3,009	\$ 2,921	\$ -	\$ 12,191	\$ 9,088
Other Advertising Programs	Radio	4640	\$ -	\$ -	\$ -	\$ -	\$ 1,500
Other Advertising Programs	TV	4690	\$ -	\$ -	\$ -	\$ -	\$ 1,799
Other Advertising Programs	Bill Insert	4740	\$ -	\$ -	\$ -	\$ -	\$ -
Other Advertising Programs	Other*	4790	\$ 896,543	\$ 870,430	\$ 669,614	\$ 695,795	\$ 556,185
<b>SUMMARY BY MEDIA</b>							
Total Advertising Expenses	Print		\$ 413,278	\$ 401,241	\$ 373,599	\$ 509,984	\$ 377,603
Total Advertising Expenses	Radio		\$ -	\$ -	\$ -	\$ -	\$ 1,500
Total Advertising Expenses	TV		\$ -	\$ -	\$ -	\$ -	\$ 83,938
Total Advertising Expenses	Bill Insert		\$ 65,502	\$ 63,594	\$ 21,084	\$ 55,788	\$ 47,134
Total Advertising Expenses	Other*		\$ 906,630	\$ 880,223	\$ 680,878	\$ 724,954	\$ 594,262
<b>SUMMARY BY CATEGORY</b>							
Public Health & Safety	All		\$ 159,856	\$ 155,200	\$ 25,958	\$ 146,959	\$ 78,286
Conservation of Energy	All		\$ 316,763	\$ 307,537	\$ 369,196	\$ 427,742	\$ 448,729
Explanation of Bill Practices, Rates, Etc.	All		\$ 9,239	\$ 8,970	\$ 8,793	\$ 8,040	\$ 8,599
Data Programs in Educational Institutions	All		\$ -	\$ -	\$ 2,000	\$ -	\$ 250
Other Advertising Programs	All		\$ 899,552	\$ 873,351	\$ 669,614	\$ 707,986	\$ 568,572

\* Other advertising media includes digital/online advertising, outdoor advertising and branded giveaways.

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III-A-26

Request:

Provide a list of reports, data, or statements requested by and submitted to the Commission during and subsequent to the test year.

Response:

Please refer to Attachment III-A-26.

Prepared by or under the supervision of: Paul J. Szykman

UGI Utilities, Inc. – Gas Division

List of reports, data or statements requested by and submitted to the Commission during and subsequent to the test year.

1. PA. P.U.C. No. 5 Gas Service Tariff Supplements filed with the Commission as required to give effect to changes in surcharge rates, basic tariff rates, etc.
2. PA. P.U.C. No. 5-S Gas Choice Supplier Tariff Supplements
3. Annual Report of UGI Utilities Inc. – Gas Division
4. 1307(e) Reconciliation Statement for the twelve months ended September 30, 2015 for Rider LISHP filed October 30, 2015
5. Section 1307(f) Purchased Gas Cost Filings
6. Quarterly Financial and Statistical Report
7. P.U.C. Assessment Report
8. Informal compliant replies
9. 52 PA Code 56.231 – Collection Results for Residential and Small Commercial Customers
10. Quality of Service – Benchmark and Standards Report - including Metrix/Matrix
11. PA Code 58.15 LIURP annual program evaluation report and Spending and Budget report
12. 52 PA Code 62.7 - Universal Service Reporting Requirements
13. Annual Conservation Plan – Status of Existing Conservation Activities
14. 52 PA Code 56.100 (4) and 56.100 (5) – Cold Weather Survey of premises where heat related service is terminated during the year and resurvey of prior year’s account not restored.
15. Customer Assistance Program Report
16. Section 1410.1(4) – Medical Certificates and renewals submitted and accepted by the Company
17. Section 1410.1(3) – Accounts Exceeding \$10,000 in Arrearages
18. Quarterly Rate of Return Filing
19. Annual Depreciation Report
20. Service Life Study Report
21. Gas Supply and Demand Report
22. Payment Agreement Reports
23. Integrate Resource Planning Report
24. Annual Statistical Report
25. Natural Gas Utility Update Report
26. Growth Extension Tariff Pilot Program
27. Long Term Infrastructure Improvement Plan
28. Annual Asset Optimization Plan
29. Lost and Unaccounted for Gas
30. Annual DOT Reports
31. Meter Test Reports
32. Major Construction Notices (over \$300K)
33. Gas Safety Form Letter – FL-1-15 Mass Data Request 2014
34. Gas Safety Form Letter – FL-2-15 Master Meters
35. 2015 Winter Reliability Data Request

UGI Utilities, Inc. – Gas Division

List of reports, data or statements requested by and submitted to the Commission during and subsequent to the test year.

36. Docket M-2015-2468154, increasing municipal costs related to pipeline replacement and construction
37. Annual Diversity Report

UGI Utilities, Inc. - Gas Division  
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III-A-27

Request:

Prepare a detailed schedule for the test year showing types of social and service organization memberships paid for by the Company and the cost thereof.

Response:

None.

Prepared by or under the supervision of: Ann P. Kelly



UGI Utilities, Inc. - Gas Division  
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III-A-28

Request:

Submit a schedule showing, by major components, the expenditures associated with Outside Services Employed, Regulatory Commission Expenses and Miscellaneous General Expenses, for the test year and prior two comparable years.

Response:

Please see Attachment III-A-28.

Prepared by or under the supervision of: Ann P. Kelly

## UGI Utilities, Inc. - Gas Division

Schedules for Outside Services Employed, Regulatory Commission & Miscellaneous General Expenses

Amounts in (000's)

<u>Expense</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>
<u>Account 930.2-Miscellaneous General Expenses</u>					
<b>ADVERTISING</b>					
SANTANDER ARENA	19	19	30	22	23
GIANT CENTER	58	29	29	22	22
<b>ADVERTISING TOTAL</b>	<u>77</u>	<u>48</u>	<u>59</u>	<u>44</u>	<u>45</u>
<b>BUSINESS TRAVEL</b>					
ORION ICS LLC	-	-	29	22	22
<b>BUSINESS TRAVEL TOTAL</b>	<u>-</u>	<u>-</u>	<u>29</u>	<u>22</u>	<u>22</u>
<b>COMPANY MEMBERSHIP DUES</b>					
ENERGY ASSOCIATION OF PENNSYLVANIA	107	76	67	70	72
ENERGY SOLUTIONS CENTER, INC	13	27	10	10	10
<b>COMPANY MEMBERSHIP DUES TOTAL</b>	<u>120</u>	<u>103</u>	<u>77</u>	<u>80</u>	<u>82</u>
<b>EMPLOYMENT AGENCY FEES</b>					
HOWARD FISCHER ASSOCIATES	-	-	88	66	68
QUAD 656 LLC	80	18	-	-	-
RANDSTAD PROFESSIONALS US LP	36	-	31	23	24
<b>EMPLOYMENT AGENCY FEES TOTAL</b>	<u>116</u>	<u>18</u>	<u>119</u>	<u>89</u>	<u>91</u>
<b>OTHER PROFESSIONAL SERVICES</b>					
SKILLSOFT CORPORATION	-	-	47	35	36
TOWERS WATSON INC	-	-	89	66	68
<b>OTHER PROFESSIONAL SERVICES TOTAL</b>	<u>-</u>	<u>-</u>	<u>136</u>	<u>101</u>	<u>104</u>
<b>PROFESSIONAL ASSOCIATION DUES</b>					
AMERICAN GAS ASSOCIATION	191	243	248	257	266
ECONOMIC DEVELOPMENT CO OF LANCASTER COUNTY	31	31	60	62	64
GREATER READING ECONOMIC PARTNERSHIP	20	20	20	21	21
HARRISBURG REGIONAL CHAMBER	22	22	22	23	24
LEHIGH VALLEY ECONOMIC DEVELOPMENT CORP	21	21	21	22	23
<b>PROFESSIONAL ASSOCIATION DUES TOTAL</b>	<u>285</u>	<u>337</u>	<u>371</u>	<u>385</u>	<u>397</u>
<b>RELOCATION</b>					
JACK TREIER INC	22	8	-	-	-
<b>RELOCATION TOTAL</b>	<u>22</u>	<u>8</u>	<u>-</u>	<u>-</u>	<u>-</u>
<b>TRAINING</b>					
FINANCIAL ACCOUNTING INSTITUTE	36	-	-	-	-
<b>TRAINING TOTAL</b>	<u>36</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
MISCELLANEOUS (PRIMARILY < \$20K)	216	204	292	218	224
<b>GRAND TOTAL</b>	<u>\$ 872</u>	<u>\$ 718</u>	<u>\$ 1,083</u>	<u>\$ 939</u>	<u>\$ 968</u>

	2013	2014	2015	2016	2017
<b>Account 923-Outside Service</b>					
<b>ADVERTISING/P/R</b>					
HARME LIN MEDIA	73	38	59	51	53
<b>ADVERTISING/P/R TOTAL</b>	<b>73</b>	<b>38</b>	<b>59</b>	<b>51</b>	<b>53</b>
<b>AUDIT</b>					
PRICEWATERHOUSECOOPERS LLP	321	462	277	240	247
ERNST & YOUNG	-	-	386	334	344
<b>AUDIT TOTAL</b>	<b>321</b>	<b>462</b>	<b>663</b>	<b>573</b>	<b>591</b>
<b>EMPLOYMENT AGENCY FEES</b>					
HOWARD FISCHER ASSOCIATES	8	-	44	38	39
RANDSTAD PROFESSIONALS US LP	10	35	9	8	8
ROBERT HALF INTERNATIONAL	9	22	9	8	8
SALVESON STETSON GROUP	-	57	35	30	31
WESLEY BROWN & BARTLE COMPANY	-	103	6	5	5
<b>EMPLOYMENT AGENCY FEES TOTAL</b>	<b>27</b>	<b>217</b>	<b>103</b>	<b>89</b>	<b>92</b>
<b>ENVIRONMENTAL</b>					
ELK TRANSPORTATION INC	-	24	21	18	19
ENVIRONMENTAL PRODUCTS & SERVICES OF VT	-	38	46	40	41
VEOLIA ES TECHNICAL SOLUTIONS LLC	-	8	48	42	43
<b>ENVIRONMENTAL TOTAL</b>	<b>-</b>	<b>70</b>	<b>115</b>	<b>99</b>	<b>102</b>
<b>INSURED LITIGATION</b>					
AFFILIATED ENGINEERING LABORATORIES INC	-	-	62	54	55
THOMAS, THOMAS & HAER LLP	43	29	91	79	81
<b>INSURED LITIGATION TOTAL</b>	<b>43</b>	<b>29</b>	<b>153</b>	<b>132</b>	<b>136</b>
<b>IS CONSULTING SERVICES</b>					
ACUTE CONSULTING SOLUTIONS LLC	155	100	-	-	-
BIZTECH	26	20	25	22	22
BLACK & VEATCH CORP	-	-	225	-	-
NAVIGATE CORP	-	988	948	168	173
TMG CONSULTING INC	-	-	70	103	-
TRICORE SOLUTIONS LLC	64	89	181	157	161
<b>IS CONSULTING SERVICES TOTAL</b>	<b>245</b>	<b>1,197</b>	<b>1,449</b>	<b>449</b>	<b>357</b>
<b>LEGAL</b>					
BALLARD SPAHR LLP	55	25	5	4	4
BLANK ROME LLP	17	14	109	94	97
CHAPMAN & CUTLERS LLP	-	56	-	-	-
COVINGTON & BURLING LLP	46	-	-	-	-
FOLEY & LARDNER LLP	-	-	95	82	85
GH SMART & COMPANY INC	-	-	21	18	19
GLOBAL TAX MANAGEMENT INC	-	31	94	81	84
HAWKE MCKEON & SNISCAK LLP	73	-	-	-	-
HEWITT ASSOCIATES LLC	-	73	12	10	11
HOGAN LOVELLS US LLP	56	16	-	-	-
LAW OFFICES OF KEVIN T FOGERTY	50	36	47	41	42
MCNEES WALLACE & NURICK	13	13	57	49	51
MORGAN LEWIS & BOCKIUS LLP	351	144	133	115	118
PEPPER HAMILTON LLP	71	5	9	8	8
POST & SCHELL PC	211	111	72	62	64
SANDLER OCCUPATIONAL MEDICINE ASSO INC	-	21	-	-	-
<b>LEGAL TOTAL</b>	<b>943</b>	<b>545</b>	<b>654</b>	<b>566</b>	<b>583</b>
<b>MANAGEMENT CONSULTANT</b>					
DELOITTE TAX LLP	-	-	136	118	121
KPMG LLP	1	-	60	52	53
<b>MANAGEMENT CONSULTANT TOTAL</b>	<b>1</b>	<b>-</b>	<b>196</b>	<b>170</b>	<b>175</b>
<b>MANAGEMENT DEVELOPMENT</b>					
CAREER CONCEPTS INC	42	64	14	12	12
THE LEADER'S EDGE	-	-	21	18	19
<b>MANAGEMENT DEVELOPMENT TOTAL</b>	<b>42</b>	<b>64</b>	<b>35</b>	<b>30</b>	<b>31</b>

	2013	2014	2015	2016	2017
<b>OUTSIDE SERVICES-INSURANCE</b>					
COMMONWEALTH OF PENNSYLVANIA	31	25	9	8	8
<b>OUTSIDE SERVICES-INSURANCE TOTAL</b>	<b>31</b>	<b>25</b>	<b>9</b>	<b>8</b>	<b>8</b>
<b>OTHER</b>					
STAN P WEBER EXECUTIVE CONSULTING LLC	-	-	45	100	-
<b>OTHER TOTAL</b>	<b>-</b>	<b>-</b>	<b>45</b>	<b>100</b>	<b>-</b>
<b>OTHER FINANCIAL SERVICES</b>					
FTB FUNDING INC	23	16	4	3	4
US BANK	27	12	29	25	26
<b>OTHER FINANCIAL SERVICES TOTAL</b>	<b>50</b>	<b>28</b>	<b>33</b>	<b>29</b>	<b>29</b>
<b>OTHER PROFESSIONAL SERVICES</b>					
ADP INC	252	293	271	234	241
ASTERION INC	-	-	48	42	43
DR L G HREBINIAK	20	-	-	-	-
FITCH RATINGS INC	-	73	35	30	31
IHS GLOBAL INC	29	26	14	12	12
MOODY'S INVESTORS SERVICE	21	23	20	17	18
NATIONAL ENERGY FOUNDATION INC	16	57	61	53	54
PARADIGM	-	-	55	48	49
PIRA ENERGY GROUP INC	28	34	35	30	31
READING BERKS HR MANAGEMENT LLC	10	22	10	9	9
SKILLSOFT CORPORATION	-	97	-	-	-
TOWERS WATSON INC	126	110	291	252	259
WEBFILINGS	21	20	-	-	-
WORKIVA LLC	-	7	42	36	37
<b>OTHER PROFESSIONAL SERVICES TOTAL</b>	<b>523</b>	<b>762</b>	<b>882</b>	<b>763</b>	<b>786</b>
MISCELLANEOUS (PRIMARILY < \$20K)	334	289	464	301	310
<b>GRAND TOTAL</b>	<b>2,633</b>	<b>3,726</b>	<b>4,860</b>	<b>3,360</b>	<b>3,252</b>

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III-A-29

Request:

Submit details of information covering research and development expenditures, including major projects within the company and forecasted company programs.

Response:

UGI Gas did not have any research and development expenditures in the last five years and does not claim any expenditures in the historic, future, or fully projected future test years.

Prepared by or under the supervision of: Ann P. Kelly

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III-A-30

Request:

Provide a detailed schedule of all charitable and civic contributions by recipient and amount for the test year.

Response:

Please see Attachment III-A-30 for schedule of actual and projected charitable and civic contributions made for UGI Gas. No claim is being made for charitable and civic contributions.

Prepared by or under the supervision of: Ann P. Kelly

UGI Utilities, Inc. - Gas  
Schedule of Charitable and Civic Contributions

<u>Organization Name</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>
Allentown School District Foundation	\$ 10,000	\$ 10,400	\$ 10,800
American Red Cross	100,000	103,500	107,100
Berks Business Education Coalition	5,000	5,200	5,400
Big Brothers Big Sisters of Lancaster County	4,000	4,100	4,200
Bosler Memorial Library	1,000	1,000	1,000
Boys & Girls Club of Lancaster Inc.	3,500	3,600	3,700
Bridge Educational Foundation	20,000	20,700	21,400
Career Wardrobe	1,206	1,200	1,200
Caring Hearts Pet Therapy	1,000	1,000	1,000
Children's Home of Reading	5,000	5,200	5,400
Children's Literacy Initiative	2,412	2,500	2,600
Civic Theatre of Allentown	1,000	1,000	1,000
Cultural Enrichment Fund	750	800	800
Cumberland County Library	20,000	20,700	21,400
Da Vinci Discovery Center	50,000	51,800	53,600
Dauphin County Library System	7,500	7,800	8,100
Foundation For Reading Area Community College	1,000	1,000	1,000
Goodwill Keystone Area Foundation	4,000	4,100	4,200
Greater Hazleton Partners In Education	2,000	2,100	2,200
Harrisburg Area Community College	10,000	10,400	10,800
Hazleton Area Education Foundation	6,000	6,200	6,400
Junior Achievement of Central Pa Inc.	5,000	5,200	5,400
Kipp Administrative Services Corp	4,826	5,000	5,200
Lancaster Area Habitat For Humanity	1,000	1,000	1,000
Lancaster County Workforce Investment Board	5,000	5,200	5,400
Lancaster County Career & Technology Foundation	25,000	25,900	26,800
Lancaster Public Library	5,000	5,200	5,400
Lancaster Science Factory	25,000	25,900	26,800
Lehigh Carbon Community College Foundation	30,000	31,100	32,200
Lehigh Valley Business/Education Partnership	6,000	6,200	6,400
Make A Wish	9,000	9,300	9,600
Malvern Preparatory School	7,238	7,500	7,800
North Museum of Natural History & Science	1,000	1,000	1,000
One By One Inc.	2,500	2,600	2,700
Operation Share Fund	77,000	79,700	82,500
Opportunity House	1,125	1,200	1,200
Pennsylvania State University Philanthropic Fund	5,000	5,200	5,400
Parkland School Dist. Education Foundation	10,000	10,400	10,800

UGI Utilities, Inc. - Gas  
Schedule of Charitable and Civic Contributions

<u>Organization Name</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>
PBS39	10,000	10,400	10,800
Pennsylvania College of Technology Foundation	25,000	25,900	26,800
Pennsylvania State University	34,457	35,700	36,900
Perkiomen School	15,000	15,500	16,000
Reading is Fundamental Inc.	80,273	83,100	86,000
Reading Symphony Orchestra	5,000	5,200	5,400
Rotary Club of Lancaster	1,146	1,200	1,200
SkillsUSA Council	6,000	6,200	6,400
Spanish American Civic Assoc.	20,000	20,700	21,400
Spark Program Inc.	72,500	75,000	77,600
Starfinder Foundation	2,412	2,500	2,600
Thaddeus Stevens Foundation	50,000	51,800	53,600
The Hillside School	15,000	15,500	16,000
The Joshua Group	16,111	16,700	17,300
The Kidney Foundation of Central PA	1,300	1,300	1,300
The Salvation Army	15,000	15,500	16,000
United Way of Berks County	126,125	130,500	135,100
United Way of Greater Philadelphia	21,993	22,800	23,600
United Way of Lancaster County	10,300	10,700	11,100
United Way of Lebanon County	3,200	3,300	3,400
United Way of The Capital Region	15,500	16,000	16,600
Whitaker Center For Science And The Arts	10,000	10,400	10,800
World Affairs Council of Philadelphia	4,826	5,000	5,200
WRAC	1,700	1,800	1,900
Wyomissing Area Education Foundation	1,000	1,000	1,000
Yocum Institute For Fine Arts Education	5,000	5,200	5,400
YWCA of Lancaster	15,000	15,500	16,000
Miscellaneous Contributions Under \$1,000	<u>8,048</u>	<u>8,300</u>	<u>8,600</u>
Total	<u>\$ 1,066,948</u>	<u>\$ 1,104,600</u>	<u>\$ 1,142,900</u>



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III-A-31

Request:

Provide a detailed analysis of Special Services--Account 795.

Response:

Gas account 795001 has no activity.

Prepared by or under the supervision of: Ann P. Kelly

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III-A-32

Request:

Provide a detailed analysis of Miscellaneous General Expense--Account No. 801.

Response:

UGI Gas does not and has not recorded activity to Account 801 for the last five fiscal years. UGI Gas does, however, capture Miscellaneous General Expense under Account 930.2. For an analysis of that account's activity, refer to the response to III-A-28.

Prepared by or under the supervision of: Ann P. Kelly

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III-A-33

Request:

Provide a labor productivity schedule.

Response:

The following data is based on year-end employee counts. Hours paid include productive time and absent time, e.g., sick, vacation, jury duty, etc. Hours worked only includes productive time. Miles of main are as of end of calendar year 2014.

Please see Attachment III-A-33.

Prepared by or under the supervision of: Paul J. Szykman

**UGI UTILITIES, INC. - GAS DIVISION  
Labor Productivity Schedule**

	Actual <u>2015</u>	Estimate <u>2016</u>	Estimate <u>2017</u>
<b>Dth Throughput</b>	<b>136,149,722</b>	<b>132,011,889</b>	<b>135,108,326</b>
<b>Number of FTEs</b>	<b>990</b>	<b>1,015</b>	<b>1,032</b>
<b>Number of Hours Paid</b>	<b>1,658,404</b>	<b>1,693,185</b>	<b>1,700,125</b>
<b>Number of Hours Worked</b>	<b>1,435,281</b>	<b>1,465,383</b>	<b>1,471,389</b>
<b>Miles of Main- Total</b>	<b>5,643</b>	<b>5,643</b>	<b>5,643</b>
<b>Number of Customers</b>	<b>371,675</b>	<b>379,589</b>	<b>387,928</b>
<b>Dth Throughput per Employee</b>	<b>137,525</b>	<b>130,061</b>	<b>130,919</b>
Per Hours Worked	95	90	92
Per Hours Paid	82	78	79
<b>Miles of Main per Employee-Total</b>	<b>6</b>	<b>6</b>	<b>5</b>
<b>Customers per Employee</b>	<b>375</b>	<b>374</b>	<b>376</b>

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III-A-34

Request:

List and explain all non-recurring abnormal or extraordinary expenses incurred in the test year which will not be present in future years.

Response:

Extraordinary expenses were not incurred and will not be presented in any of the test years. For the normalization of non-recurring abnormal expenses, refer to UGI Exhibit A (Historic), UGI Exhibit A (Future) and UGI Exhibit A (Fully Projected), Section D and the Direct Testimony of Ann P. Kelly, UGI Statement No. 2.

Prepared by or under the supervision of: Ann P. Kelly

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III-A-35

Request:

List and explain all expenses included in the test year which do not occur yearly but are of a nature that they do occur over an extended period of years. (e.g.--Non-yearly maintenance programs, etc.)

[Responses shall be submitted and identified as exhibits.]

Response:

For normalizing adjustments to operating expenses, refer to Exhibit A (Historic), Exhibit A (Future) and Exhibit A (Fully Projected), Section D and the direct testimony of Ann P. Kelly, UGI Statement No. 2.

Prepared by or under the supervision of: Ann P. Kelly

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III-A-36

Request:

Using the adjusted year's expenses under present rates as a base, give detail necessary for clarification of all expense adjustments. Give clarifying detail for any such adjustments that occur due to changes in accounting procedure, such as charging a particular expense to a different account than was used previously. Explain any extraordinary declines in expense due to such change of account use.

Response:

Please refer to UGI Gas Statement No. 2, the Direct Testimony of Ann P. Kelly. Please also refer to Exhibit A (Historic), Exhibit A (Future), and Exhibit A (Fully Projected), Section D schedules.

Prepared by or under the supervision of: Ann P. Kelly

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III-A-37

Request:

Indicate the expenses that are recorded in the test year, which are due to the placement in operating service of major plant additions or the removal of major plant from operating service, and estimate the expense that will be incurred on a full-year's operation.

Response:

For a presentation of the major plant additions, cost of removal and plant retirements, refer to Schedules C-2 and C-3 in the UGI Gas Exhibit A (Historic), UGI Gas Exhibit A (Future) and UGI Gas Exhibit A (Fully Projected).

Prepared by or under the supervision of: Ann P. Kelly



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III-A-38

Request:

Submit a statement of past and anticipated changes, since the previous rate case, in major accounting procedures.

Response:

- **Debt Issuance Costs.** In April 2015, the FASB issued ASU No. 2015-03, "Simplifying the Presentation of Debt Issuance Costs." This ASU amends existing guidance to require the presentation of debt issuance costs in the balance sheet as a direct deduction from the carrying amount of the related debt liability instead of a deferred charge. The amendments in this ASU are effective for annual reporting periods beginning after December 15, 2015. Early adoption is permitted. Entities will apply the new guidance retrospectively to all periods presented. The Company expects to adopt the new guidance in Fiscal 2016.
- **Revenue Recognition.** In May 2014, the FASB issued ASU No. 2014-09, "Revenue from Contracts with Customers." This ASU supersedes the revenue recognition requirements in Accounting Standards Codification ("ASC") 605, "Revenue Recognition," and most industry-specific guidance included in the ASC. The standard requires that an entity recognize revenue to depict the transfer of promised goods or services to customers in an amount that reflects the consideration to which the company expects to be entitled in exchange for those goods or services. This standard is effective for the Company for interim and annual periods beginning October 1, 2018 (Fiscal 2019) and allows for either full retrospective adoption or modified retrospective adoption.
- **Goodwill Impairment.** In September 2011, the FASB issued guidance on testing goodwill for impairment. The new guidance permits entities to first assess qualitative factors to determine whether it is more likely than not that the fair value of a reporting unit is less than its carrying amount as a basis for determining whether it is necessary to perform the two-step goodwill impairment test in GAAP. Previous guidance required an entity to test goodwill for impairment at least annually by comparing the fair value of a reporting unit with its carrying amount, including goodwill. If the fair value of a reporting unit is less than the carrying amount, then the second step of the test must be performed to measure the amount of the impairment loss, if any. Under the new guidance, an entity is not required to calculate fair value of a reporting unit unless the entity determines that it is more likely than not that its fair value is less than its carrying amount. The new

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guidance does not change how goodwill is calculated or assigned to reporting units, nor does it revise the requirements to test goodwill annually for impairment. The Company adopted the new guidance for Fiscal 2012.

• **Presentation of Comprehensive Income.** In June 2011, the FASB issued Accounting Standards Update ("ASU") 2011-05, "Presentation of Comprehensive Income," which revises the manner in which entities present comprehensive income in their financial statements. The new guidance removes the presentation options in Accounting Standards Codification ("ASC") Topic 220 and requires entities to report components of comprehensive income in either (1) a continuous statement of comprehensive income or (2) two separate but consecutive statements. ASU 2011-05 does not change the items that must be reported in other comprehensive income. Additionally, reclassification adjustments between net income and comprehensive income must be shown on the face of the financial statements. On October 21, 2011, the FASB decided to propose a deferral of the new requirement to present reclassification adjustments on the face of the income statement. The change in presentation is effective for fiscal years, and interim periods within those fiscal years, beginning after December 15, 2011 with full retrospective application required. The Company applied the provisions of the new guidance effective September 30, 2011 (except for the presentation of reclassification adjustments on the face of the statement of net income,) and report the components of comprehensive income in two separate but consecutive statements as permitted by the new guidance.

• **Business Combinations.** Effective October 1, 2009, the Company adopted new guidance on accounting for business combinations. The new guidance applies to all transactions or other events in which an entity obtains control of one or more businesses. The new guidance establishes, among other things, principles and requirements for how the acquirer (1) recognizes and measures in its financial statements the identifiable assets acquired, the liabilities assumed, and any noncontrolling interest in the acquiree; (2) recognizes and measures the goodwill acquired in a business combination or gain from a bargain purchase; and (3) determines what information with respect to a business combination should be disclosed. The new guidance applies prospectively to business combinations for which the acquisition date is on or after October 1, 2009. Among the more significant changes in accounting for acquisitions are (1) transaction costs are generally expensed (rather than being included as costs of the acquisition); (2) contingencies, including contingent consideration, are generally recorded at fair value with subsequent adjustments recognized in operations (rather than as adjustments to the purchase price); and (3) decreases in valuation allowances on acquired deferred tax assets are recognized in operations (rather than as decreases in goodwill).

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- **Intangible Asset Useful Lives.** Effective October 1, 2009, the Company adopted new accounting guidance which amends the factors that should be considered in developing renewal or extension assumptions used to determine the useful life of a recognized intangible asset under GAAP. The intent of the new guidance is to improve the consistency between the useful life of a recognized intangible asset under GAAP relating to intangible asset accounting and the period of expected cash flows used to measure the fair value of the asset under GAAP relating to business combinations and other applicable accounting literature. The new guidance must be applied prospectively to intangible assets acquired after the effective date. The adoption of the new guidance did not impact our financial statements.
  
- **Fair Value Measurements.** On October 1, 2008, the Company adopted new guidance issued by the FASB in September 2006 on fair value measurements. The new guidance defines fair value, establishes a framework for measuring fair value in generally accepted accounting principles, and expands disclosures about fair value measurements. In February 2008, two amendments to this guidance were issued to exclude leases from the new fair value guidance and to delay the effective date of the new fair value guidance until fiscal years beginning after November 15, 2008 (Fiscal 2010) for non-financial assets and liabilities that are recognized or disclosed at fair value in the financial statements on a non-recurring basis. In October 2008, two additional amendments to the fair value guidance were issued which clarify the application of the fair value measurement guidance to financial assets in a market that is not active and when the volume and level of activity for the asset or liability have significantly decreased.
  
- **Fair Value Option for Financial Assets and Liabilities.** On October 1, 2008, the Company adopted accounting guidance issued by the FASB in February 2007 by which the Company may elect to report individual financial instruments and certain items at fair value with changes in fair value reported in earnings.
  
- **Uncertainty in Income Taxes.** Effective October 1, 2007, the Company adopted new interpretive guidance issued by the FASB on accounting for uncertainty related to income taxes. The new guidance provides a comprehensive model for the recognition, measurement and disclosure in financial statements of uncertain income tax positions that a company has taken or expects to take on a tax return.
  
- **Pension and Postretirement Plans.** Effective September 30, 2007, the Company adopted new accounting guidance issued by the FASB relating to employers accounting for pension and postretirement benefit plans. The new guidance requires recognition of an asset or liability in the statement of financial position reflecting the funded status of

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pension and postretirement benefit plans, such as retiree health and life, with current year changes recognized in shareholders' equity. The new guidance did not change the existing criteria for measurement of periodic benefit costs, plan assets or benefit obligations.

- In March 2005, the FASB issued Interpretation No. 47, "Accounting for Conditional Asset Retirement Obligations" ("FIN 47"). It requires an entity to recognize a liability for a conditional asset retirement obligation when incurred if the liability can be reasonably estimated. FIN 47 clarifies that the term "Conditional Asset Retirement Obligation" refers to a legal obligation to perform an asset retirement activity in which the timing and/or method of settlement are conditional on a future event that may or may not be within the control of the entity. FIN 47 also clarifies when an entity would have sufficient information to reasonably estimate the fair value of an asset retirement obligation. FIN 47 is effective no later than the end of fiscal years ending after December 15, 2005.

- In December 2004, the FASB issued SFAS No. 123 (revised 2004), "Share-Based Payment" ("SFAS 123R"). SFAS 123R replaces SFAS 123 and supersedes APB 25. SFAS 123, as originally issued in 1995, established as preferable a fair-value-based method of accounting for share-based payment transactions with employees. However, SFAS 123 permitted entities the option of continuing to apply the guidance in APB 25 as long as the footnotes to financial statements disclosed what net income would have been had the preferable fair-value-based method been used. SFAS 123R requires that the compensation cost relating to share-based payment transactions be recognized in the financial statements. The cost is required to be measured based on the fair value of the equity or liability instruments issued. SFAS 123R covers a wide range of share-based compensation arrangements including share options, restricted share plans, performance-based awards, share appreciation rights and employee share purchase plans. The Company adopted SFAS 123R effective October 1, 2005. Under the modified prospective transition method, beginning October 1, 2005, unrecognized compensation expense for awards that are not vested on the adoption date will be recognized in the Company's statements of income through the end of the requisite service period.

- In December 2004, the FASB issued SFAS No. 153, "Exchanges of Nonmonetary Assets - An Amendment of APB Opinion No. 29. Accounting for Nonmonetary Transactions" ("SFAS 153"). SFAS 153 eliminates the exception from fair value measurement for nonmonetary exchanges of similar productive assets in paragraph 21(b) of APB Opinion No. 29, "Accounting for Nonmonetary Transactions," and replaces it with an exception for exchanges that lack commercial substance. SFAS 153 specifies that a nonmonetary exchange has commercial substance if the future cash flows of the entity

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are expected to change significantly as a result of the exchange. SFAS 153 was effective for our interim period beginning July 1, 2005.

- In December 2003, the Financial Accounting Standards Board ("FASB") revised Financial Interpretation No. 46, "Consolidation of Variable Interest Entities" ("FIN 46"), which was originally issued in January 2003 and clarifies Accounting Research Bulletin No. 51, "Consolidated Financial Statements." FIN 46 was effective immediately for variable interest entities created or obtained after January 31, 2003. For variable interests created or acquired before February 1, 2003, FIN 46 was effective beginning with our interim period ended March 31, 2004. If certain conditions are met, FIN 46 requires the primary beneficiary to consolidate certain variable interest entities.

- In April 2003, the Financial Accounting Standards Board ("FASB") issued SFAS No. 149, "Amendment of Statement 133 on Derivative Instruments and Hedging Activities" ("SFAS 149"). SFAS 149 is effective for contracts entered into or modified after June 30, 2003 and for hedging relationships designated after June 30, 2003. SFAS 149 (i) clarifies under what circumstances a contract with an initial net investment meets the characteristic of a derivative, (ii) clarifies when a derivative contains a financing component, (iii) amends the definition of an underlying- rate, price or index to conform it to language used in FASB Interpretation No. 45, "Guarantor's Accounting and Disclosure Requirements for Guarantees, Including Indirect Guarantees of Indebtedness of Others," and (iv) amends certain other existing pronouncements.

- SFAS 141 "Business Combinations" addresses financial accounting and reporting for business combinations. Under SFAS 141, all business combinations initiated after June 30, 2001 are required to be accounted for using the purchase method of accounting. Among other provisions, SFAS 141 establishes specific criteria for the recognition of intangible assets separate from goodwill acquired in a purchase business combination. Although SFAS 141 supersedes Accounting Principles Board ("APB") Opinion No. 16, "Business Combinations" and SFAS No. 38, "Accounting for Preacquisition Contingencies of Purchased Enterprises," it does not change many of their provisions relating to the application of the purchase method.

- SFAS 142 "Goodwill and Other" Intangible Assets" addresses the financial accounting and reporting for acquired goodwill and other intangible assets and supersedes APB Opinion No. 17, "Intangible Assets." SFAS 142 addresses the financial accounting and reporting for intangible assets acquired individually or with a group of other assets (excluding those acquired in a business combination) at acquisition and also addresses the financial accounting and reporting for goodwill and other intangible assets subsequent to

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their acquisition. Under SFAS 142, an intangible asset will be amortized over its useful life unless that life is determined to be indefinite. Goodwill and other intangible assets with indefinite lives will be tested for impairment at least annually. The Company adopted SFAS 142 effective October 1, 2001

- SFAS 143 "Accounting for Asset Retirement Obligations" addresses financial accounting and reporting for legal obligations associated with the retirement of tangible long-lived assets and the associated asset retirement costs. SFAS 143 requires that the fair value of a liability for an asset retirement obligation be recognized in the period in which it is incurred with a corresponding increase in the carrying value of the related asset. Entities shall subsequently charge the retirement cost to expense using a systematic and rational method over the asset's useful life and adjust the fair value of the liability resulting from the passage of time through charges to interest expense. The Company adopted SFAS 143 effective October 1, 2002.

- In June 1998, the Financial Accounting Standards Board issued SFAS No. 133, "Accounting for Derivative Instruments and Hedging Activities" ("SFAS 133"). SFAS 133 was amended in June 2000 by SFAS No. 138, "Accounting for Certain Derivative Instruments and Certain Hedging Activities" ("SFAS 138"), which addressed a limited number of issues causing implementation difficulties. SFAS 133, as amended, establishes accounting and reporting standards for derivative instruments and for hedging activities. It requires that an entity recognize all derivative instruments as either assets or liabilities and measure them at fair value. The accounting for changes in fair value depends upon the purpose of the derivative instrument and whether it is designated and qualifies for hedge accounting. The Company adopted the provisions of SFAS 133 effective October 1, 2000.

- In March 1998, the American Institute of Certified Public Accountants issued Statement of Position No. 98-1, "Accounting for the Costs of Computer Software Developed or Obtained for Internal Use" ("SOP 98-1"). SOP 98-1 requires companies to capitalize the cost of computer software developed or obtained for internal use once certain criteria have been met. The Company adopted SOP 98-1 in fiscal 2000.

Prepared by or under the supervision of: Ann P. Kelly

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III-A-39

Request:

Identify the specific witness for all statements and schedules of revenues, expenses, taxes, property, valuation, etc.

Response:

Please see the Direct Testimony of Paul J. Szykman, UGI Gas Statement No. 1 for a complete list of witnesses and areas of responsibility. The primary witness for each statement and schedule is identified on the specific document.

Prepared by or under the supervision of: Paul J. Szykman

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III-A-40

Request:

Adjustments which are estimated shall be fully supported by basic information reasonably necessary.

Response:

Adjustments are fully supported in UGI Exhibit A (Historic), UGI Exhibit A (Future) and UGI Exhibit A (Fully Projected), Sections C and D, as well as the Direct Testimony of Ann P. Kelly, UGI Gas Statement No. 2, David E. Lahoff, UGI Gas Statement No. 6, and Nicole M. McKinney, UGI Gas Statement No. 10.

Prepared by or under the supervision of: Ann P. Kelly



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III-A-41

Request:

Submit a statement explaining the derivation of the amounts used for projecting future test year level of operations and submit appropriate schedules supporting the projected test year level of operations.

Response:

The schedules shown in UGI Gas Exhibit A (Future) and UGI Gas Exhibit A (Fully Projected), Section D reflect this information and are the supporting detail for the Fully Projected Future Test Year for the period ending September 30, 2017. Refer to the Direct Testimony of Ann P. Kelly, UGI Gas Statement No. 2, and the Direct Testimony of David E. Lahoff, UGI Gas Statement No. 6.

Prepared by or under the supervision of: Ann P. Kelly

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III-A-42

Request:

If a company has separate operating divisions, an income statement must be shown for each division, plus an income statement for company as a whole.

Response:

Please refer to Attachment III-A-42 for an income statement by operating division for UGI Utilities, Inc. for the Historic Test Year.

Prepared by or under the supervision of: Ann P. Kelly

**UGI Utilities, Inc. - Gas Division**  
**Statement of Income by Operating Division**  
**For the Year Ended September 30, 2015**  
*(thousands of dollars)*

	<u>Gas Division</u>	<u>Electric Division</u>	<u>Total</u>
Revenues from Sales of Gas/Electricity	\$ 491,399	\$ 97,406	\$ 588,805
Other Operating Revenues	7,151	10,171	17,322
Cost of Sales	242,359	62,167	304,526
Gross Receipts Taxes	-	5,622	5,622
Storage, Transportation, & Other Production	539	-	539
Transmission	-	2,037	2,037
Distribution	34,918	6,544	41,462
Customer Accounts	17,956	3,119	21,075
Customer Service and Information	1,739	320	2,059
Sales	979	26	1,005
Administrative and General	46,878	8,312	55,190
Depreciation and Depletion	31,858	4,616	36,474
Taxes Other Than Income & GRT	5,447	991	6,438
Other Income	2,524	330	2,854
Earnings before Interest and Taxes	118,401	14,153	132,554
Interest Expense	18,108	2,016	20,124
Earnings before Income Tax	100,293	12,137	112,430
Income Tax Expense	29,175	7,435	36,610
Net Income	\$ 71,118	\$ 4,702	\$ 75,820

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III-A-43

Request:

If a company's business extends into different states or jurisdictions, then statements must be shown listing Pennsylvania jurisdictional data, other state data and federal data separately and jointly (Balance sheets and operating accounts).

Response:

Not required since the Company's business does not extend into different states or jurisdictions.

Prepared by or under the supervision of: Ann P. Kelly

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III-A-44

Request:

Ratios, percentages, allocations and averages used in adjustments must be fully supported and identified as to source.

Response:

Ratios, percentages, allocations and averages are detailed in the supporting adjustments to revenue and expenses set forth in UGI Exhibit A (Historic), UGI Exhibit A (Future) and UGI Exhibit A (Fully Projected), Section D. Please also refer to the Direct Testimony of Ann P. Kelly, UGI Gas Statement No. 2.

Prepared by or under the supervision of: Ann P. Kelly

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III-A-45

Request:

Provide an explanation of any differences between the basis or procedure used in allocations of revenues, expenses, depreciation and taxes in the current rate case and that used in the prior rate case.

Response:

UGI Corporation provides administrative services to UGI Gas pursuant to affiliated interest agreements authorized by the Commission. Services provided by UGI Corporation include but are not limited to executive management, finance, pension fund management, internal audit, legal, shareholder relations, insurances, claims and similar types of services.

UGI Utilities, Inc. provides administrative services to UGI Central Penn Gas, Inc. and UGI Penn Natural Gas, Inc. Services provided by UGI Utilities Inc. include but are not limited to pipeline engineering, construction, maintenance, information services, payroll, accounts payable, accounting, finance, human resources and similar types of services.

The allocation of charges for these common administrative services follows a methodology which the Commission has found appropriate during prior reviews including the most recent Management Efficiency Audit.

UGI Utilities and UGI Corporation Allocation Procedures

1. Direct Assignment

All costs, which can be identified as pertaining exclusively to an operating unit, are directly billed to that unit. For example, certain employees and support staff of the law department are dedicated on a full-time basis to either utility or non-utility operations and, as a result, the associated salaries and other related costs are directly charged to the respective organizations.

2. Indirect Allocation Method - UGI

Those costs which cannot be directly associated with the operation of an individual operating unit are allocated to operations by a formula (internally referred to as the Modified Wisconsin Formula ("MWF")). The MWF achieves an equitable distribution of common expenses based on the relative activity and size of each operating unit to the

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III-A-45 (Continued)

total of all operating units. Activity is measured by total revenues and total operating expenses and size is measured by tangible net assets employed (excluding acquisition goodwill).

Prepared by or under the supervision of: Ann P. Kelly

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III-A-46

Request:

Supply a copy of internal and independent audit reports of the test year and prior calendar year, noting any exceptions and recommendations and disposition thereof.

Response:

Please see SDR-ROR-1 for information pertaining to the independent audit reports for the test year and prior year.

Please see Attachment III-A-46 for list of internal audit reports for the test year and prior year. The information contained in these reports is deemed confidential. Any party to the proceeding requiring access to these reports will be afforded the opportunity upon request, subject to the provisions of a Confidentiality Agreement to be entered into between such party and the Company pursuant to a Protective Order.

Prepared by or under the supervision of: Ann P. Kelly



UGI Utilities, Inc. - Gas Division  
Listing of Internal Audit Reports

<b>Entity</b>	<b>Audit Report Name</b>	<b>Audit Plan Year</b>	<b>Date Issued</b>
UGI Utilities, Inc.	UGI Utilities - Subcontractor Payable Consulting Review	FY 2014	6/23/2014
UGI Utilities, Inc.	Regulatory Reporting	FY 2014	6/25/2014
UGI Utilities, Inc.	UGI Utilities -Conversions Rate of Return	FY 2014	9/30/2014
UGI Utilities, Inc.	GET Gas Implementation	FY 2014	11/21/2014
UGI Utilities, Inc.	Capital Projects	FY 2014	12/5/2014
UGI Utilities, Inc.	UGI Utilities - FY 2014 Bonus Review	FY 2015	12/16/2014
UGI Utilities, Inc.	Hedging Review	FY 2014	1/14/2015
UGI Utilities, Inc.	Social Media High-Level Review	FY 2014	3/20/2015
UGI Utilities, Inc.	Cloud Computing and IT Outsourcing Review	FY 2014	4/2/2015
UGI Utilities, Inc.	FY14 FERC Training Compliance	FY 2015	4/16/2015
UGI Utilities, Inc.	Financial Close Efficiency	FY 2015	4/16/2015
UGI Utilities, Inc.	Succession Planning Review	FY 2015	7/23/2015
UGI Utilities, Inc.	Hedging Process Review	FY 2015	9/24/2015

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III-A-47

Request:

Submit a schedule showing rate of return on facilities allocated to serve wholesale customers.

Response:

None.

Prepared by or under the supervision of: Paul J. Szykman

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III-A-48

Request:

Provide a copy of the latest capital stock tax report and the latest capital stock tax settlement.

Response:

See Attachment III-A-48 for a copy of the most recent PA capital stock tax report.

Effective for all determinations of corporate tax liability after December 31, 2007, Pennsylvania Act 119 replaced the corporate tax settlement process with an assessment and reassessment process, beginning January 1, 2008. Under this new system, the Department is no longer required to settle every tax return. Instead, corporate tax returns are considered accepted as filed unless the return is selected for review or audit. As of the date of this rate case filing, UGI Utilities Inc. has neither been selected for review or audit nor received correspondence from the Pennsylvania Department of Revenue indicating a change to capital stock tax.

Prepared by or under the supervision of: Nicole M. McKinney

# PENNSYLVANIA CORPORATION TAX DECLARATION FOR A STATE e-file REPORT

2013

Form PA-8453-C

<b>pennsylvania</b> <small>DEPARTMENT OF REVENUE</small>	For calendar year 2013 or tax year beginning <u>10/01</u> 2013, ending <u>09/30</u> 20 <u>14</u>	Employer Identification Number <u>231174060</u>
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Name of Corporation  
**UGI UTILITIES, INC.**

Address 2525 N 12TH ST PO BOX 1 City READING State PA ZIP 196122677 Revenue ID Number 0176169

**PART I TAX REPORT INFORMATION** (Whole dollars only.)

1. Total Book Income (Form RCT-101, Section A, Line 2)	1. <u>309,570,135.</u>
2. Capital Stock/Foreign Franchise Tax (Form RCT-101, Section A, Line 18)	2. <u>357,661.</u>
3. Income or Loss from Federal Return on a Separate Company Basis (Form RCT-101, Section C, Line 1)	3. <u>73,371,896.</u>
4. PA Taxable Income or Loss (Form RCT-101, Section C, Line 12)	4. <u>43,486,046.</u>
5. Corporate Net Income Tax (Form RCT-101, Section C, Line 13)	5. <u>4,344,256.</u>

**PART II DECLARATION OF OFFICER** (See instructions.) **Keep a copy of the corporation's tax report (RCT-101).**

- 6a.  I consent that the corporation's refund check can be mailed directly to the address provided on the RCT-101.
- 6b.  I do not want a refund mailed to the corporation, or the corporation is not receiving a refund.
- 6c.  I authorize (1) the PA Department of Revenue and its designated financial institution to initiate an electronic funds withdrawal entry to my financial institution account designated in the electronic portion of my 2013 Pennsylvania Corporate Tax Report for payment of my state taxes owed; and (2) my financial institution to debit the entry to my account. I also authorize the financial institutions involved in the processing of my electronic payment of taxes to receive confidential information necessary to answer inquiries and resolve issues related to my payment. I can revoke this authorization by notifying the PA Department of Revenue no later than two business days prior to the payment date. I understand notification must be made by calling 717-783-6277.

If I filed a balance-due report, I understand if the PA Department of Revenue does not receive full and timely payment of my tax liability, I remain liable for the tax due and all applicable interest and penalties. If I filed a joint federal and state tax return/report and there is an error on my federal return, I understand my state report will be rejected.

Under penalties of perjury, I declare I am an officer of the above-named corporation and the information I provided to my electronic return originator (ERO) and/or transmitter, and the amounts in Part I above agree with the amounts on the corresponding lines of the corporation's 2013 Pennsylvania Corporate Tax Report. To the best of my knowledge and belief, the corporation's report is true, correct and complete. I consent to my ERO and/or transmitter sending the corporation's report and accompanying schedules and statements to the Internal Revenue Service (IRS) and subsequently by the IRS to the PA Department of Revenue. I also consent to the PA Department of Revenue sending my ERO and/or transmitter, through the IRS, an acknowledgment of receipt of transmission, an indication of whether or not the corporation's report is accepted and, if rejected, the reason(s) for rejection.

<b>SIGN HERE</b>	Signature of Officer <u>2525 N 12TH ST PO BOX 1</u>	<u>7-6-15</u> Date	<u>ASSISTANT TREAS</u> Title	Social Security Number
	<u>2525 N 12TH ST PO BOX 1</u> Address	<u>Reading</u> City	<u>PA</u> State	<u>196122677</u> ZIP

**PART III DECLARATION OF ELECTRONIC RETURN ORIGINATOR (ERO) AND PAID PREPARER** (See instructions.)

I declare I have reviewed the above-named corporation's report, and the entries on Form PA 8453-C are complete and correct to the best of my knowledge. I obtained the corporate officer's signature on this form before submitting the report to the PA Department of Revenue, provided the corporate officer a copy of all forms and information to be filed with the PA Department of Revenue and followed all other requirements specified by the PA Department of Revenue and in IRS Pub. 3112, IRS e-file Application and Participation, and Pub. 4163, Modernized e-File (MeF) information for Authorized IRS e-file Providers of Forms 1120/1120S. If I am also the preparer, under penalties of perjury I declare I examined the above-named corporation's report, accompanying schedules and statements, and to the best of my knowledge they are true, correct and complete. I understand I am required to keep this form and the supporting documents for three years.

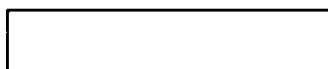
ERO's Signature	Date	Check if also paid preparer <input checked="" type="checkbox"/>	Check if self-employed <input type="checkbox"/>	ERO's SSN or PTIN
Firm's name (or yours if self-employed), address and ZIP code				EIN
Telephone Number				

Under penalties of perjury, I declare I examined the above-named corporation's report, accompanying schedules and statements, and to the best of my knowledge and belief they are true, correct and complete.

Preparer's Signature	Date	Check if self-employed <input type="checkbox"/>	Preparer's SSN or PTIN
Firm's name (or yours if self-employed), address and ZIP code			
Telephone Number			

**ELECTRONIC RETURN ORIGINATORS (EROs) AND PAID PREPARERS ARE REQUIRED TO KEEP THIS FORM AND REQUIRED ATTACHMENTS FOR THREE YEARS.**

1010013171



**RCT-101 (07-13) PAGE 1 OF 6**  
**PA CORPORATE TAX REPORT 2013**

DEPARTMENT USE ONLY

A = 1120 B = 1120S C = 1120C D = 1120F E = 1120H F = 1065 G = 1040 H = Other

**STEP A**

Tax Year Beginning **XX 10012013** Tax Year Ending **XX 09302014**

**STEP B**

Amended Report	XX	N	52-53 Week Filer	XX	N	First Report	XX	N
Federal Extension Granted	XX	Y	Address Change	XX	N	KOZ/EIP/SDA Credit	XX	N
Regulated Inv. Co.	XX	N	Change Fed Group	XX	N	File Period Change	XX	N

1010013171



**STEP C**

Revenue ID	XX	0176169	Parent Corporation EIN	232668356
Federal EIN	XX	231174060		
Business Activity Code	XX	221210		
Corporation Name	XX	UGI UTILITIES, INC.		
Address Line 1	XX	2525 N 12TH ST PO BOX 1		
Address Line 2	XX	2525 N 12TH ST PO BOX 1		
City	XX	READING		
State	XX	PA		
ZIP	XX	196122677		

USE WHOLE DOLLARS ONLY

**STEP E:**

STEP D	A. Tax Liability from Tax Report (can not be less than zero)	B. Estimated Payments & Credits on Deposit	C. Restricted Credits	Payment Due/Overpayment Calculation: A minus B minus C See Instructions
CS/FF	357661	377000	0	-19339
LOANS	44437	0	0	44437
CNI	4344256	4383805	750000	-789549
TOTAL	4746354	4760805	750000	-764451

**STEP F: Transfer/Refund Method: (See instructions.)**

**E-File Opt Out: (See instructions.) N**

**764451** Transfer: Amount to be credited to the next tax year after offsetting all unpaid liabilities

Refund: Amount to be refunded after offsetting all unpaid liabilities

**STEP G: Corporate Officer (Sign affirmation below)**

NAME MICHAEL R. PEARSON  
 PHONE 6103377000  
 EMAIL

FORM 1062  
 BARCODE 0000

3Y4623 2.000

I affirm under penalties prescribed by law, this report, including any accompanying schedules and statements, has been examined by me and to the best of my knowledge and belief is a true, correct and complete report. If this report is an amended report, the taxpayer hereby consents to the extension of the assessment period for this tax year to one year from the date of filing of this amended report or three years from the filing of the original report, whichever period last expires, and agrees to retain all required records pertaining to that tax and tax period until the end of the extended assessment period, regardless of any statutory provision providing for a shorter period of retention. For purposes of this extension, an original report filed before the due date is deemed filed on the due date. I am authorized to execute this consent to the extension of the assessment period.

Corporate Officer Signature	Date
-----------------------------	------

1010013271

REVENUE ID 0176169  
 TAX YEAR END 09302014 NAME UGI UTILITIES, INC.  
 RCT-101 PAGE 2 OF 6 PA CORPORATE TAX REPORT 2013

SECTION A: CS/FF

OLDEST PERIOD FIRST	TAX PERIOD BEGINNING	TAX PERIOD ENDING	BOOK INCOME			
YEAR 1	10012009	09302010	42059837	Investment in LLC	XX	N
YEAR 2	10012010	09302011	63108699	Holding Company	XX	N
YEAR 3	10012011	09302012	58720231	Family Farm	XX	N
YEAR 4	10012012	09302013	68609981			
YEAR 5						
YEAR 6						
YEAR 7						
CUR YR	10012013	09302014	77071387			



USE WHOLE DOLLARS ONLY

2. TOTAL BOOK INCOME (sum of income for all tax periods up to, but not over 5 years total)	2	309570135
3. DIVISOR (in years and in part years rounded to three decimal places) See instructions.	3	5.000
4. Divide Line 2 by Line 3.	4	61914027
5. AVERAGE BOOK INCOME - Enter Line 4, or if Line 4 is less than zero enter "0".	5	61914027
6. Divide Line 5 by 0.095.	6	651726600
7. Shareholders' equity at the END of the current period	7	839837158
8. Shareholders' equity at the BEGINNING of the current period	8	791613821
9. If Line 7 is more than twice as great or less than half as much as Line 8, add Lines 7 and 8 and divide by 2. Otherwise enter Line 7.	9	839837158
10. NET WORTH - Enter Line 9, or if Line 9 is less than zero enter "0".	10	839837158
11. Multiply Line 10 by 0.75.	11	629877869
12. Add Lines 6 and 11.	12	1281604469
13. Divide Line 12 by 2.	13	640802235
14. Valuation deduction	14	-160000
15. CAPITAL STOCK VALUE - Line 13 minus Line 14, but not less than zero. If 100% taxable. enter Line 15 on Line 17.	15	640642235
16. Proportion of taxable assets or apportionment proportion (from Schedule A-1, Line 5)	16	0.627286
17. TAXABLE VALUE - Multiply Line 15 by Line 16. If less than zero, enter "0".	17	401865905
18. CAPITAL STOCK/FOREIGN FRANCHISE TAX - Multiply Line 17 by 0.00089.	18	357661

Total Beginning of  
 Taxable Year Assets 1974836863

Total End of Taxable  
 Year Assets 2120976085



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REVENUE ID  
 TAX YEAR END  
**RCT-101 PAGE 3 OF 6**

0176169  
 09302014  
 NAME UGI UTILITIES, INC.  
**PA CORPORATE TAX REPORT 2013**

**SECTION B: Bonus Depreciation**

1. Current year fed. deprec. of 168k prop.	1	43926419	Business Trust	XX	N
2. Current year adj. for disp. of 168k prop.	2	254388	Solicitation Only	XX	N
3. Other adjustments	3	0	Single-Member LLC	XX	N
(Attach schedule C-3 if claiming			Multi-Member LLC	XX	N
bonus depreciation.)			PA S Corporation	XX	N
			Taxable Built-in Gains	XX	N

1010013371



USE WHOLE DOLLARS ONLY

**SECTION C: CORPORATE NET INCOME TAX**

1. Income or loss from federal return on a separate-company basis	1	73371896
<b>2. DEDUCTIONS:</b>		
A. Corporate dividends received (from Schedule C-2, Line 6)	2A	48807928
B. Interest on U.S. securities (GROSS INT less EXPENSES)	2B	0
C. Curr yr. addtl. PA deprec. plus adjust. for sale (Attach Schedule C-3.)	2C	4939128
D. Other (Attach schedule.) See instructions.	2D	0
<b>TOTAL DEDUCTIONS - Sum of A through D</b>	<b>2</b>	<b>53747056</b>
<b>3. ADDITIONS:</b>		
A. Taxes imposed on or measured by net income (Attach schedule.)	3A	3658020
B. Tax preference items (attach copy of federal Form 4626.)	3B	0
C. Employment incentive payment credit adjustment (Attach Schedule W.)	3C	0
D. Current year bonus depreciation (Attach Schedule C-3.)	3D	32995360
E. Other (Attach schedule.) See instructions.	3E	0
<b>TOTAL ADDITIONS - Sum of A through E</b>	<b>3</b>	<b>36653380</b>
4. Income or loss with Pennsylvania adjustments (Line 1 minus Line 2 plus Line 3)	4	56278220
5. Total nonbusiness income or loss	5	0
6. Income or loss to be apportioned (Line 4 minus Line 5)	6	56278220
7. Apportionment proportion (from Schedule C-1, Line 5)	7	0.965872
8. Income or loss apportioned to PA (Line 6 times Line 7)	8	54357557
9. Nonbusiness income or loss allocated to PA	9	0
10. Taxable income or loss after apportionment (Line 8 plus Line 9)	10	54357557
11. Total net operating loss deduction (from RCT-103)	11	10871511
12. PA taxable income or loss (Line 10 minus Line 11)	12	43486046
13. Corporate net income tax (Line 12 times _____; if Line 12 is less than zero, enter "0")	13	4344256



1010013471

REVENUE ID 0176169  
 TAX YEAR END 09302014 NAME UGI UTILITIES, INC.  
**RCT-101 PAGE 4 OF 6 PA CORPORATE TAX REPORT 2013**

**SECTION D: LOANS TAX**

- 1. Foreign corporations Only. Did this corporation have a fiscal officer resident in Pennsylvania? XX N
- 2. Did this corporation have indebtedness outstanding to individual residents and/or partnerships resident in Pennsylvania? XX N
- 3. Did this corporation have indebtedness outstanding held by a trustee, agent or guardian for a resident individual taxable in its own right or by an executor or administrator of an estate wherein the decedent was a resident of Pennsylvania? XX N



List outstanding indebtedness. Attach a separate schedule if additional space is needed.

Interest Amount	Interest Rate	Taxable Value	Taxable		
670666	06.000	11177767	Indebtedness	XX	11177767
0	00.000	0			
0	00.000	0	Loans Tax	XX	44437

**SCHEDULE A-1: Apportionment Schedule For Capital Stock/Foreign Franchise Tax (include Form RCT-102, RCT-105 or RCT-106.)**

Three Factor				Single Factor			
Property - PA	1 A	0	1 C	0.000000	Numerator	4 A	1284623497
Property - Total	1 B	0			Denominator	4 B	2047906474
Payroll - PA	2 A	0	2 C	0.000000			
Payroll - Total	2 B	0					
Sales - PA	3 A	0	3 C	0.000000	Apportionment	5	0.627286
Sales - Total	3 B	0			Proportion		

**SCHEDULE C-1: Apportionment Schedule For Corporate Net Income Tax (Include Form RCT-106.)\***

Three Factor				Single Factor			
Property - PA	1 A	0	1 D	00.000000	Numerator	4 A	0
Property - Total	1 B	0			Denominator	4 B	0
Payroll - PA	2 A	0	2 D	00.000000			
Payroll - Total	2 B	0					
Sales - PA	3 A	618834223	3 D	00.965872	Apportionment	5	0.965872
Sales - Total	3 B	640700322			Proportion		

\*Refer to the instructions in the CT-1 PA Corporation Tax Booklet (REV-1200) found at [www.revenue.state.pa.us](http://www.revenue.state.pa.us).





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REVENUE ID 0176169  
TAX YEAR END 09302014 NAME UGI UTILITIES, INC.  
RCT-101 PAGE 5 OF 6 PA CORPORATE TAX REPORT 2013

SECTION E: CORPORATE STATUS CHANGES

Final Report	XX	N		
<b>PA Corporations:</b>				
Did you ever transact business anywhere?	XX	N	If yes, enter date all business activity ceased	XX
Did you hold assets anywhere?	XX	N	If yes, enter date of final disposition of assets*	XX
<b>Foreign Corporations:</b>				
Did you ever transact business in PA?	XX	N	If yes, enter date PA business activity ceased	XX
Did you hold assets in PA?	XX	N	If yes, enter date of final disposition of PA assets*	XX



\*Schedule of Disposition of Assets must be completed and filed with this report.

Has the corporation sold or transferred in bulk 51 percent or more of any class of assets? (See instructions.) XX N  
If yes, enter the following information. (Attach a separate schedule if additional space is needed.)

Purchaser Name	XX
Address Line 1	XX
Address Line 2	XX
City	XX
State	XX
ZIP	XX

SECTION F: GENERAL INFORMATION QUESTIONNAIRE

Describe corporate activity in PA	GAS & ELECTRIC UTILITY
Describe corporate activity outside PA	GAS UTILITY OFF SYSTEM SALES & INVENTORY STORAGE
Other states in which taxpayer has activity	

State of Incorporation XX PA Incorporation Date XX 06011982

- |   |    |   |
|---|----|---|
| 1. Does any corporation, individual or other business entity hold all or a majority of the stock of this corporation?                                   | XX | Y |
| 2. Does this corporation own all or a majority of stock in other corporations? If yes, complete Schedule X.   | XX | Y |
| 3. Is this taxpayer a partnership that elects to file federal taxes as a corporation?   | XX | N |
| 4. Has the federal government changed taxable income as originally reported for any prior period for which reports of change have not been filed in PA? | XX | N |

If yes: First Period End Date: XX Last Period End Date: XX

Accounting Method - Federal Tax Return

A A = Accrual C = Cash O = Other

Other

Accounting Method - Financial Statements

A A = Accrual C = Cash O = Other

Other

3Y4683 2.000



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REVENUE ID 0176169  
 TAX YEAR END 09302014 NAME UGI UTILITIES, INC.  
 RCT-101 PAGE 6 OF 6 PA CORPORATE TAX REPORT 2013  
 SCHEDULE OF REAL PROPERTY IN PA (Attach a separate schedule if additional space is needed.)

O = Own  
 R = Rent

	Street Address	City	County	KOZ/KOEZ
XX 0	ALL REAL PROPERTY IN P	VARIOUS	VARIOUS	N
XX				
XX				
XX				



**CORPORATE OFFICERS**  
 (See instructions.)

	SSN	Last Name	First Name	MI
President/Managing Partner	XX	BEARD	ROBERT	F
Vice President	XX	BROWN	DONALD	E
Secretary	XX	GAUDIOSI	MONICA	M
Treasurer/Tax Manager	XX	PLATT	DANIEL	J

**PREPARER'S INFORMATION**

Mail to Preparer	XX	N
Firm Federal EIN	XX	
Firm Name	XX	
Address Line 1	XX	
Address Line 2	XX	
City	XX	
State	XX	
ZIP	XX	

I affirm under penalties prescribed by law this report, including any accompanying schedules and statements, has been prepared by me and to the best of my knowledge and belief is a true, correct and complete report.	
Tax Preparer's Signature	Date

**INDIVIDUAL PREPARER**  
 PHONE  
 EMAIL  
 PTIN/SSN

3Y4666 2.000



1010013671

UGI Utilities, Inc.

## RCT-101, Page 1, Step D, Tax Summary, Payments and Credits Detail

=====

	Cap. Stock Fran.	Loans Tax	Corp. Net Inc.
	-----	-----	-----
Applied from REV-855			
Tentative payments	262,000.		783,805.
Payments with extension	115,000.		3,600,000.
Keystone Opp Zone			
Credits:			
Neighborhood Assist.			
Employment Incentive			
Educational Imp.			750,000.
Coal Waste Removal			
Jobs Creation Tax			
Pennsylvania R & D			
	-----	-----	-----
Totals	377,000.		5,133,805.
	=====	=====	=====

REV-798 CT (05-12)



**SCHEDULE C-2 PA DIVIDEND DEDUCTION SCHEDULE**

TAX YEAR BEGINNING 10/01/2013

TAX YEAR ENDING 09/30/2014

CORPORATION NAME UGI Utilities, Inc. REVENUE ID 0176169

1	Federal Schedule C, Line (20), Total Deductions . . . . .	1	48,807,928.
2	Federal Schedule C, Line (15), Foreign Dividend Gross-Up (Section 78) . . . . .	2	
3	Dividends from less-than-20%-owned foreign corporations listed on Lines (13) and (14) of federal Schedule C x 70% - 0.70 . . . . .	3	
4	Dividends from 20%-or-more-owned foreign corporations listed on Lines (13) and (14) of federal Schedule C x 80% - 0.80 . . . . .	4	
5	Dividends listed on Lines (13) and (14) of federal Schedule C from foreign corporations that meet the "80% voting and value test" of IRC §1504(a)(2) and otherwise would qualify for 100% deduction under IRC §243(a)(3) if they were a domestic corporation. Do not list any amounts included in Item 4. . . . .	5	
6	<b>Total PA Dividend Deduction</b> - Add Lines 1, 2, 3, 4 and 5 Enter this amount at Section C, Line (2A) on RCT-101. . . . .	6	48,807,928.

**SCHEDULE X**

Taxpayers completing this schedule must provide beginning and ending balance sheets, reflecting the consolidated net worth of the taxpayer and all subsidiaries.

TAX YEAR BEGINNING 10/01/2013

TAX YEAR ENDING 09/30/2014

CORPORATION NAME UGI Utilities, Inc. REVENUE ID 0176169

Name	File in PA	Revenue ID	EIN
UGI Central Penn. Gas. Inc	Y	1028446	23-1278755
UGI Penn Natural Gas. Inc	Y	8584922	56-2557139

Name, SSN, EIN and/or Revenue ID Number of any individual or business entity owning all or a majority of the stock of the taxpayer.

Name	SSN or EIN	Revenue ID
UGI CORPORATION	23-2668356	3479274



REV-961 CT (05-12)

**pennsylvania**

DEPARTMENT OF REVENUE

CORPORATION NAME UGI Utilities, Inc. REVENUE ID 0176169

TAX YEAR BEGINNING 10/01/2013

TAX YEAR ENDING 09/30/2014

**SCHEDULE A-3  
ADJUSTMENTS TO NET INCOME PER BOOKS**

(See CT-1 booklet at [www.revenue.state.pa.us](http://www.revenue.state.pa.us) for requirements to complete this schedule)

**PART A**

<p>1. Net Income per Books from federal Schedule M-1 or federal Schedule M-3. <u>77,071,387.</u></p> <p><b>Additions</b></p> <p>2. Dividends from subsidiary corporations not included in Line 1 _____</p> <p>3. Losses from subsidiary corporations deducted in arriving at Line 1 _____</p> <p>4. Losses from limited liability companies deducted in arriving at Line 1* _____</p> <p>5. Distributions from limited liability companies not included in Line 1* _____</p> <p>6. Other (Itemize) _____ _____ _____</p> <p>7. Total Lines 1 to 6 <u>77,071,387.</u></p>	<p><b>Reductions</b></p> <p>8. Income from subsidiary corporations included in Line 1 _____</p> <p>9. Income from limited liability companies included in Line 1* _____</p> <p>10. Distributions to materially participating member of limited liability companies** _____</p> <p>11. Other (Itemize) _____ _____ _____</p> <p>12. Total Lines 8 to 11 _____</p> <p>13. Revised Net Income per Books (Line 7 minus Line 12) <u>77,071,387.</u></p>
--	--

\* Any taxpayer making these adjustments must provide a copy of federal Schedule K-1, if the investee LLC files federal Form 1065, or a reconciliation of beginning and ending net worth of the investee LLC, if the investee LLC is a disregarded entity.

\*\* This reduction may only be taken by LLCs and business trusts not taxed as corporations for federal income tax purposes. Taxpayers claiming this reduction must complete Part B below.

**PART B**

Name of Member _____	Current-Year Distribution _____
SSN or EIN of Member _____	Less Current-Year Distribution included in Prior-Year Reduction _____
How does member qualify as materially participating under IRC Section 469? _____	Plus Current-Year Reduction distributed in subsequent year _____
_____	Current-Year Reduction _____

Name of Member _____	Current-Year Distribution _____
SSN or EIN of Member _____	Less Current-Year Distribution included in Prior-Year Reduction _____
How does member qualify as materially participating under IRC Section 469? _____	Plus Current-Year Reduction distributed in subsequent year _____
_____	Current-Year Reduction _____

Name of Member _____	Current-Year Distribution _____
SSN or EIN of Member _____	Less Current-Year Distribution included in Prior-Year Reduction _____
How does member qualify as materially participating under IRC Section 469? _____	Plus Current-Year Reduction distributed in subsequent year _____
_____	Current-Year Reduction _____

Total Reduction from Supplemental Schedule (Attach additional schedule(s) if necessary) \_\_\_\_\_

Total Reduction for Distributions to Materially Participating Members (Carry to Part A - Line 10) \_\_\_\_\_

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TAX YEAR BEGINNING 10/01/2013  
TAX YEAR ENDING 09/30/2014

CORPORATION NAME UGI Utilities, Inc. REVENUE ID 0176169

Schedules 1 and 2 of this Insert Sheet must be completed by Pennsylvania corporations claiming the exemption for tangible and intangible assets for capital stock tax purposes and foreign corporations electing to use the single-factor, exempt-asset fraction for foreign franchise tax purposes.

Tables 1, 2 and 3 of this Insert Sheet must be completed by all corporations apportioning taxable income and by foreign and Pennsylvania corporations using the three-factor formula to calculate the taxable value of capital stock.

A. AVERAGE TOTAL ASSETS [Carry to RCT-101, Schedule A-1, Line (4b)] . . . . . \$ 2,047,906,474.

B. Less: AVERAGE EXEMPT ASSETS - Tangibles (From Schedule 1, below) . . . . . \$ 34,372,414.

Intangibles (From Schedule 2, below) . . . . . \$ 728,910,563.

Pollution Control Devices . . . . . \$ 763,282,977.

(See Instructions.)

C. AVERAGE ASSETS TAXABLE IN PA [Carry to RCT-101, Schedule A-1, Line (4a)] . . . . . \$ 1,284,623,497.

D. PROPORTION OF TAXABLE ASSETS (Calculate to six decimal places.)  $\frac{\text{AVERAGE TAXABLE ASSETS}}{\text{AVERAGE TOTAL ASSETS}} = \bullet \frac{627286}{2047906474}$   
[Carry to RCT-101, Schedule A-1, Line (5)]

**EXEMPTION CLAIMED FOR TANGIBLE AND INTANGIBLE ASSETS (Use whole dollars only.)**

SCHEDULE 1 EXEMPT TANGIBLE ASSETS (Attach additional schedule if necessary.)	Net Book Value - Beginning		Net Book Value - Ending		E Amount of Exemption Claimed for Average Value of Tangible Assets Located Outside of PA (Col. B + D) ÷ 2
	A Inside PA	B Outside PA	C Inside PA	D Outside PA	
1. Buildings . . . . .					
2. Equipment and Fixtures . . . . .					
3. Land . . . . .	5,882,704.		5,975,014.		
4. Leasehold Improvements . . . . .					
5. Motor Vehicles . . . . .					
6. Rolling Stock and all other Movable Property . . . . .					
7. Other Tangible Property (Attach Schedule.) . . . . .	907,270,651.		980,461,756.		
8. Inventories . . . . .	8,785,943.	31,900,630.	7,994,998.	36,844,197.	34,372,414.
<b>TOTALS</b>	<b>921,939,298.</b>	<b>31,900,630.</b>	<b>994,431,768.</b>	<b>36,844,197.</b>	<b>34,372,414.</b>

NOTE: If there was a substantial change during the year, attach a detailed explanation.

SCHEDULE 2 EXEMPT INTANGIBLE ASSETS (Attach additional schedule if necessary.)	A Number of Shares or %	B Date Acquired	C Date Sold	D Held (Full Year or No. of Days)	E Book Value	F Exemption Claimed
1. Stocks of PA Corporations . . . . .						
UGI Penn Natural Gas	100	02/16/2005		365	485,443,535.	485,443,535.
UGI Central Penn Gas	100	10/01/2005		365	243,466,928.	243,466,928.
2. Stocks of Foreign Corporations (More than 50 percent owned)						
UGI Energy Ventures	100	12/14/2005		365	100.	100.
3. Student Loan Assets . . . . .						
4. U. S. Securities . . . . .						
5. Exempt State and Local Securities . . . . .						
6. National Bank Shares . . . . .						
7. TOTALS (For Exemption Purposes)					728,910,563.	728,910,563.

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TABLES SUPPORTING DETERMINATION OF APPORTIONMENT PERCENTAGE (Use whole dollars only.)

Apportionment for:

[X] Capital Stock/Foreign Franchise and Corporate Net Income Taxes [ ] Capital Stock/Foreign Franchise Tax Only [ ] Corporate Net Income Tax Only

TAX YEAR BEGINNING 10/01/2013 TAX YEAR ENDING 09/30/2014

UGI Utilities, Inc.

0176169

CORPORATION NAME

REVENUE ID

Table with 5 columns: Description, Inside PA Beginning of Period, Inside PA End of Period, Inside and Outside PA Beginning of Period, Inside and Outside PA End of Period. Rows include Tangible Property Owned (Inventory, Buildings, Land, etc.), Total Average Value, and Add: Corporate Tangible and/or Real Property Rented.

\*Eight times net annual rental rate (Attach schedule.)

(C) Property Factor (Divide A by B; calculate to six decimal places.) 0.976940 Carry (A), (B) and (C) over to RCT-101, Schedule A-1, as applicable, Lines 1A, 1B and 1C.

\*(D) Property Factor Calculation (Multiply C by the appropriate property weight factor.) Carry (A), (B) and (D) over to RCT-101, Schedule C-1, Lines 1A, 1B and 1D.

TABLE 2 - PAYROLL FACTOR Table with 3 columns: Description, Inside PA, Inside and Outside PA. Rows include Wages, Salaries, Commissions and Other Compensation to Employees in: Cost of Goods Sold, Compensation of Officers, Salesmen's Salaries and Commissions, Other Payroll, Partner's Share of Payroll from Partnerships, Total Payroll.

(C) Payroll Factor (Divide A by B; calculate to six decimal places.) 1.000000 Carry (A), (B) and (C) over to RCT-101, Schedule A-1, as applicable, Lines 2A, 2B and 2C.

\*(D) Payroll Factor Calculation (Multiply C by the appropriate payroll weight factor.) Carry (A), (B) and (D) over to RCT-101, Schedule C-1, Lines 2A, 2B and 2D.

TABLE 3 - SALES FACTOR Table with 3 columns: Description, Inside PA, Inside and Outside PA. Rows include Sales (net of returns and allowances), Interest, Rents, Royalties, Gross Receipts from the Sale of Other Business Assets (except securities), Other Sales (receipts only), Partner's Share of Sales from Partnerships, Total Sales.

(C) Sales Factor (Divide A by B; calculate to six decimal places.) 0.965872 Carry (A), (B) and (C) over to RCT-101, Schedule A-1, as applicable, Lines 3A, 3B and 3C.

\*(D) Sales Factor Calculation (Multiply C by the appropriate sales weight factor.) 0.965872 Carry (A), (B) and (D) over to RCT-101, Schedule C-1, Lines 3A, 3B and 3D.

Special apportionment to be completed only by railroad, truck, bus and airline companies; pipeline or natural gas companies; and water transportation companies. Refer to instructions.

(A) NUMERATOR (A) = (C)

(B) DENOMINATOR (B)

Carry (A), (B) and (C) over to RCT-101, Schedules C-1 and/or A-1, as applicable, Lines 4A, 4B and 5.

\* Use figures from the RCT-106, Insert Sheet chart in the CT-1 PA Corporation Tax Booklet, REV-1200, found at www.revenue.state.pa.us.



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**pennsylvania**  
DEPARTMENT OF REVENUE

RCT-102 (07-12)  
File with RCT-101

**CAPITAL STOCK TAX MANUFACTURING  
EXEMPTION SCHEDULE**

TAX YEAR  
BEGINNING 1 0 0 1 1 3

CORPORATION NAME UGI Utilities, In REVENUE ID 0176169

TAX YEAR  
ENDING 0 9 3 0 1 4

**PREPARATION INSTRUCTIONS FOR EXEMPTION SCHEDULE**

This schedule is to be completed by electing corporations actually engaged in producing a manufactured article; any processing operation enumerated in Section 601(a) of the Tax Reform Code of 1971; or research and development as defined in Section 601(a) of the Tax Reform Code of 1971. Foreign corporations engaged in producing manufactured articles or foreign companies organized for and engaged in certain processing operations or research and development should use this form if all business activities are conducted in Pennsylvania. If the activities of a foreign corporation are multi-state, Schedule RCT-105 or RCT-102 may be used.

Compliance with these instructions and submission of all required data by the person responsible for the preparation of this schedule will facilitate processing. See Page 4 regarding a description of the corporation's activities. This description must be completed each year.

Whenever the term "manufacturing" is used in this schedule, it will include processing and research and development. The manufacturing exemption is limited to assets actually employed in manufacturing and does not apply to corporate net income tax. An explanation should be submitted of the basis employed if actual values are ascribed to assets.

Cash, securities, accounts receivable, etc., not required for conducting manufacturing activities are not exempt.

Any asset, tangible or intangible, used in producing a manufactured article and in a nonmanufacturing activity must be reported on Page 3, Column E.

Attach additional schedule(s) reflecting the details if any assets and liabilities were combined in a net figure on the balance sheet.

- COLUMN A-1** - Net book value of company assets at the beginning of the period.
- COLUMN A-2** - Net book value of company assets at the end of the period.
- COLUMN A-3** - Average net book value of company assets.
- COLUMN B** - This column represents average value of the exemption claimed for tangible and intangible assets as reflected on Insert Sheet-RCT-106. Assets listed in Column B must not be listed in Columns C, D, E or H on Page 3.
- COLUMN C** - This column must include the average value of all tangible assets located in Pennsylvania, which are not used in manufacturing activities. It must also include the average value of all intangible assets except those necessary as working capital for a manufacturing activity and intangible assets claimed as an exemption in Column B.
- COLUMN D** - This column must include average value of tangible assets actually and exclusively employed in manufacturing. It must also include the average value of intangible assets actually and exclusively held as working capital for a manufacturing activity, unless already claimed in Column B.
- COLUMN E** - This column must include the average value of all assets, tangible or intangible, which are used in a manufacturing activity and in a nonmanufacturing activity not listed in Columns B, C or D.
- COLUMNS F and G** - In order for an exemption to be allowable in Column G for that portion of Column E used in a manufacturing activity, the taxpayer must submit a detailed schedule showing the method and calculation employed and an explanation substantiating the method used. The balance of Column E used in nonmanufacturing activities must appear in Column F.
- COLUMN H** - This column should reflect the total average taxable assets of Columns C and F.

**THIS SCHEDULE MUST BE COMPLETED IN DETAIL AND ATTACHED TO THE LAST PAGE OF THE RCT-101.**

ASSETS		COLUMN A			COLUMN B
		(1) NET BOOK VALUE BEGINNING	(2) NET BOOK VALUE ENDING	(3) AVERAGE NET BOOK VALUE	EXEMPT TANGIBLE AND INTANGIBLE ASSETS. (From Insert Sheet RCT-106)
FIXED ASSETS	1. Buildings, Net of Depreciation . . . . .	\$	\$	\$	\$
	2. Equip. and Fixt., Net of Depreciation . . . . .				
	3. Other Fixed Assets, Net of Depreciation . . . . .				
	4. Land . . . . .				
	5. Leasehold Improvements, Net of Depreciation . . . . .				
	6. Vehicles and Other Rolling Equipment, Net of Depreciation . . . . .				
	7. Other Tangible Property . . . . .				
INVENTORIES	8. Raw Materials . . . . .				
	9. Work in Progress . . . . .				
	10. Finished Goods . . . . .				34,372,414.
	11. Supplies . . . . .				
12. TOTAL TANGIBLE ASSETS . . . . .		\$	\$	\$	\$ 34,372,414.
INVESTMENTS (Detail Required)	13. Stocks of PA Corporations* . . . . .				728,916,463.
	14. Stocks of Foreign Corporations (More than 50% Owned)* . . . . .				100.
	15. Stocks of other Foreign Corporations* . . . . .				
	16. United States Securities . . . . .				
	17. Other Government Securities* . . . . .				
	18. National Bank Shares . . . . .				
	19. Bonds, Mortgages or Notes* . . . . .				
	20. Miscellaneous* . . . . .				
	21. CASH AND CURRENT ASSETS				
CURRENT ASSETS	22. Cash: In Drawer . . . . .				
	23. Time Deposits** . . . . .				
	24. Demand Deposits** . . . . .				
	25. Notes Receivable, Net of Reserves . . . . .				
	26. Accounts Receivable from Customers, Net of Reserves . . . . .				
	27. Advances to Other Companies*** . . . . .				
	28. Advances to Individuals*** . . . . .				
	29. Cash Surrender Value of Officers' Life Insurance . . . . .				
	30. OTHER ASSETS*** . . . . .				
31. TOTAL ASSETS . . . . .	\$	\$	\$		
32. TOTAL . . . . .				\$ 763,282,577.	

- \* Attach schedule showing nature of investments, number of shares or face value of bonds, book values and actual or market values.
- \*\* Attach schedule showing all interest bearing account balances at the end of each month.
- \*\*\* Explain in detail. Attach additional schedule(s) if necessary.

Gross Receipts (sales only - not to include other income). If additional space is needed, attach schedule(s).

a. List each article or product manufactured by this company and the gross receipts derived from each.

Articles	Gross Receipts	Total Gross Receipts
(1) _____	\$ _____	
(2) _____	_____	
(3) _____	_____	
(4) _____	_____	
(5) _____	_____	
<b>Total Gross Receipts - a</b>		a = \$ _____

b. Gross Receipts derived by this company from the production of nonmanufactured articles:

b = \_\_\_\_\_

c. Gross Receipts derived by this company from goods, wares and merchandise purchased for resale:

(1) From inventories in PA	\$ _____
(2) From inventories outside PA	_____
<b>Total Gross Receipts - c</b>	

c = \_\_\_\_\_

**Total Gross Receipts (a, b, c)**

If this figure does not match gross receipts reflected on line 1(a), Page 1, of attached copy of federal Form 1120, attach additional schedule(s) reconciling the difference.

\$ \_\_\_\_\_



1020012301

	COLUMN C	COLUMN D	COLUMN E	COLUMN F	COLUMN G	COLUMN H
	AVG. NET BOOK VALUE OF ASSETS LOCATED IN PA AND NOT USED IN MFG.	AVG. NET BOOK VALUE OF ASSETS ACTUALLY AND EXCLUSIVELY EMPLOYED IN MFG. (Unless listed in Column B)	AVG. NET BOOK VALUE OF ASSETS USED IN MFG. AND NON MFG.	AVG. NET BOOK VALUE OF AMT. OF COLUMN E USED IN NON MFG. ACTIVITIES	AVG. NET BOOK VALUE OF AMT. OF COLUMN E USED IN MFG. ACTIVITIES	TOTAL AVERAGE TAXABLE ASSETS (Column C plus F)
1.	\$	\$	\$	\$	\$	\$
2.						
3.						
4.						
5.						
6.						
7.						
8.						
9.						
10.						
11.						
12.	\$	\$	\$	\$	\$	\$
13.						
14.						
15.						
16.						
17.						
18.						
19.						
20.						
21.						
22.						
23.						
24.						
25.						
26.						
27.						
28.						
29.						
30.						
31.						
32.	\$	\$	\$	\$	\$	\$

**PROPORTION OF TAXABLE ASSETS**

TOTAL AVERAGE TAXABLE ASSETS - Line 32, Column H-Carry to RCT-101, Schedule A-1, Line (4a) . . . . . \$ \_\_\_\_\_  
 AVERAGE TOTAL ASSETS - Line 31, Column A3-Carry to RCT-101, Schedule A-1, Line (4b) . . . . . \$ \_\_\_\_\_

If a more exact method of averaging assets other than beginning and end of year average is used, submit schedule with data supporting method used. This proportion is to be used in the calculation on Page 2 of the PA Corporate Tax Report (RCT-101).

1. If an exemption is claimed in Column D or E, Lines 15, 17, 19 or 20 for stocks, bonds and other securities, submit a separate schedule listing the date(s) of acquisition(s) and sale of each investment.
2. If any exemption is claimed on Line 26, 27 or 28, indicate reason(s).

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**MANUFACTURING, PROCESSING OR RESEARCH AND DEVELOPMENT ACTIVITY INFORMATION**

**1. During this reporting period, did any of the following changes occur?**

- a. Change from nonmanufacturing activities to manufacturing activities?    Yes                       No
- b. Change from manufacturing activities to nonmanufacturing activities?    Yes                       No
- c. Change during this reporting period due to plant(s) beginning or terminating a manufacturing operation?  
Yes                       No

If yes, to a, b or c above, give date(s) change(s) occurred and submit details explaining such change(s).

---

**2. Did manufacturing activities cease anytime during the year (other than normal shutdowns, e.g., vacation time, retooling time, etc.)?**

- Yes                       No

If yes, indicate reason for inactivity and period(s) of inactivity, and submit time(s) company became inactive and resumed operation(s).



The PA Department of Revenue requires a description of the corporation's activities be furnished in sufficient detail to enable the taxing officials to make a determination of the validity of the claim for the manufacturing exemption. **Attach additional schedule(s) if necessary. (Must be completed in full each year).**

**RCT-103 (06-13) NET OPERATING LOSS SCHEDULE (File with Form RCT-101.)**

Tax Year Beginning 10012013 Revenue ID 0176169  
 Tax Year Ending 09302014  
 Corporation Name UGI UTILITIES, INC.



**Part A**

1. Taxable income from RCT-101, Section C, Line 10	54357557
2. Total net operating loss carryforward to current period (Total, Column C below)	20102639
3. Line 1 multiplied by <u>0.20</u> (See Instructions below.)	10871511
4. Net operating loss deduction allowed for current tax period	10871511

**Part B**

	(A) Tax Period Beginning	(B) Tax Period Ending	(C) Net Loss Carryforward to Current Period	(D) Amount Deducted (Current Period)	(E) Net Loss Carryforward to Next Period
1			0	0	0
2			0	0	0
3			0	0	0
4			0	0	0
5			0	0	0
6			0	0	0
7			0	0	0
8			0	0	0
9			0	0	0
10			0	0	0
11			0	0	0
12			0	0	0
13			0	0	0
14			0	0	0
15			0	0	0
16	10012008	09302009	20102639	10871511	9231128
17			0	0	0
18			0	0	0
19			0	0	0
20			0	0	0
<b>TOTAL</b>			<b>20102639</b>	<b>10871511</b>	

Use percentage from the Net Operating Loss chart in the CT-1 PA Corporation Tax Booklet (REV-1200) found at [www.revenue.state.pa.us](http://www.revenue.state.pa.us).

If Line 3 is 3000000 or less, enter the lesser of Line 1 or Line 2 on Line 4, not to exceed 3000000.  
 (use applicable year allowance) (use applicable year allowance)

If Line 3 exceeds 3000000, enter the lesser of Line 2 or Line 3 or Line 4.  
 (use applicable year allowance)

3D4645 2.000



1030013171

1030013171

TAX YEAR  
BEGINNING 10/01/2013

CORPORATION NAME UGI Utilities, Inc. REVENUE ID 0176169

TAX YEAR  
ENDING 09/30/2014

**C-5 Schedule of Taxes**

1. PA Corporate Net Income Tax . . . . .	3,643,022.	
2. Philadelphia Business Privilege Tax - Net Income Portion . .		
3. Income Taxes - Other States . . . . .	14,998.	
4. Local Income Taxes . . . . .		
5. Other Income Taxes . . . . .		
6. Total Income Taxes (Total of Lines 1 to 5) . . . . .		3,658,020.
7. PA Capital Stock/Foreign Franchise Tax . . . . .	363,574.	
8. Philadelphia Business Privilege Tax - Gross Rec Portion . .		
9. Payroll Taxes . . . . .	3,184,349.	
10. Real Estate Taxes . . . . .	720,036.	
11. Sales and Use Tax . . . . .		
12. Business Privilege Tax - Other than Income . . . . .		
13. Occupancy Tax . . . . .		
14. Local Taxes - Not Based on Income . . . . .		
15. Other Taxes - Not Based on Income . . . . .	8,109,209.	
16. Total Taxes Not Imposed on or Measured by Income (Total Lines 7 to 15) . . . . .		12,377,168.
17. Total Tax Expense Reported on Federal Income Tax Return (Total Lines 6 and 16) . . . . .		16,035,188.

**Schedule OA - Other Additions**

Description	Amount
<b>Total</b>	

**Schedule OD - Other Deductions**

Description	Amount
Federal Wages Disallowed as a Result of Tax Credits Under IRC Sec 45B or IRC Sec 51	
<b>Total</b>	



# PENNSYLVANIA CORPORATION TAX DECLARATION FOR A STATE e-file REPORT

2013

Form PA-8453-C

<b>pennsylvania</b> <small>DEPARTMENT OF REVENUE</small>	For calendar year 2013 or tax year beginning <u>10/01</u> 2013, ending <u>09/30</u> 20 <u>14</u>	Employer Identification Number: <u>231174060</u>
---	--	--

Name of Corporation: UGI UTILITIES, INC.

Address: 2525 N 12TH ST PO BOX 1 City: READING State: PA ZIP: 196122677 Revenue ID Number: 0176169

**PART I TAX REPORT INFORMATION** (Whole dollars only.)

1. Total Book Income (Form RCT-101, Section A, Line 2)	1. <u>309,570,135.</u>
2. Capital Stock/Foreign Franchise Tax (Form RCT-101, Section A, Line 18)	2. <u>357,661.</u>
3. Income or Loss from Federal Return on a Separate Company Basis (Form RCT-101, Section C, Line 1)	3. <u>73,371,896.</u>
4. PA Taxable Income or Loss (Form RCT-101, Section C, Line 12)	4. <u>43,486,046.</u>
5. Corporate Net Income Tax (Form RCT-101, Section C, Line 13)	5. <u>4,344,256.</u>

**PART II DECLARATION OF OFFICER** (See instructions.) **Keep a copy of the corporation's tax report (RCT-101).**

- 6a.  I consent that the corporation's refund check can be mailed directly to the address provided on the RCT-101.
- 6b.  I do not want a refund mailed to the corporation, or the corporation is not receiving a refund.
- 6c.  I authorize (1) the PA Department of Revenue and its designated financial institution to initiate an electronic funds withdrawal entry to my financial institution account designated in the electronic portion of my 2013 Pennsylvania Corporate Tax Report for payment of my state taxes owed; and (2) my financial institution to debit the entry to my account. I also authorize the financial institutions involved in the processing of my electronic payment of taxes to receive confidential information necessary to answer inquiries and resolve issues related to my payment. I can revoke this authorization by notifying the PA Department of Revenue no later than two business days prior to the payment date. I understand notification must be made by calling 717-783-6277.

If I filed a balance-due report, I understand if the PA Department of Revenue does not receive full and timely payment of my tax liability, I remain liable for the tax due and all applicable interest and penalties. If I filed a joint federal and state tax return/report and there is an error on my federal return, I understand my state report will be rejected.

Under penalties of perjury, I declare I am an officer of the above-named corporation and the information I provided to my electronic return originator (ERO) and/or transmitter and the amounts in Part I above agree with the amounts on the corresponding lines of the corporation's 2013 Pennsylvania Corporate Tax Report. To the best of my knowledge and belief, the corporation's report is true, correct and complete. I consent to my ERO and/or transmitter sending the corporation's report and accompanying schedules and statements to the Internal Revenue Service (IRS) and subsequently by the IRS to the PA Department of Revenue. I also consent to the PA Department of Revenue sending my ERO and/or transmitter, through the IRS, an acknowledgment of receipt of transmission, an indication of whether or not the corporation's report is accepted and, if rejected, the reason(s) for rejection.

<b>SIGN HERE</b>		Date	Title	
	<u>2525 N 12TH ST PO BOX 1</u>	<u>7-6-15</u>	<u>ASSISTANT TREAS</u>	Social Security Number:
	<u>2525 N 12TH ST PO BOX 1</u>	City	State	ZIP
		<u>Reading</u>	<u>PA</u>	<u>196122677</u>

**PART III DECLARATION OF ELECTRONIC RETURN ORIGINATOR (ERO) AND PAID PREPARER** (See instructions.)

I declare I have reviewed the above-named corporation's report, and the entries on Form PA 8453-C are complete and correct to the best of my knowledge. I obtained the corporate officer's signature on this form before submitting the report to the PA Department of Revenue, provided the corporate officer a copy of all forms and information to be filed with the PA Department of Revenue and followed all other requirements specified by the PA Department of Revenue and in IRS Pub. 3112, IRS e-file Application and Participation, and Pub. 4163, Modernized e-File (MeF) Information for Authorized IRS e-file Providers of Forms 1120/1120S, if I am also the preparer. Under penalties of perjury I declare I examined the above-named corporation's report, accompanying schedules and statements, and to the best of my knowledge they are true, correct and complete. I understand I am required to keep this form and the supporting documents for three years.

<b>ERO's USE ONLY</b>	ERO's Signature	Date	Check if also paid preparer: <input checked="" type="checkbox"/>	Check if self-employed: <input type="checkbox"/>	ERO's SSN or PTIN
	Firm's name (or yours if self-employed), address and ZIP code				EIN
					Telephone Number

Under penalties of perjury, I declare I examined the above-named corporation's report, accompanying schedules and statements, and to the best of my knowledge and belief they are true, correct and complete.

<b>PAID PREPARER'S USE ONLY</b>	Preparer's Signature	Date	Check if self-employed: <input type="checkbox"/>	Preparer's SSN or PTIN	
	Firm's name (or yours if self-employed), address and ZIP code				
					Telephone Number

**ELECTRONIC RETURN ORIGINATORS (EROs) AND PAID PREPARERS ARE REQUIRED TO KEEP THIS FORM AND REQUIRED ATTACHMENTS FOR THREE YEARS.**





UGI Utilities, Inc. - Gas Division  
Docket No. R-2015-2518438  
2016 Base Rate Case  
Responses to Section 53.53 - III-A - Balance Sheet and  
Operating Statement - All Utilities  
Delivered on January 19, 2016

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III-A-49

Request:

Submit details of calculations for Taxes, Other than Income where a company is assessed taxes for doing business in another state, or on its property located in another state.

Response:

Detail of Taxes, Other Than Income where UGI Gas Division is assessed taxes for doing business in another state, or on its property in another state for the period ended September 30, 2015 is as follows:

	2015
Louisiana	
Property Taxes	\$3,380
West Virginia	
Property Taxes	\$641
Total	\$4,021

Prepared by or under the supervision of: Nicole M. McKinney

UGI Utilities, Inc. - Gas Division  
Docket No. R-2015-2518438  
2016 Base Rate Case  
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Delivered on January 19, 2016

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III-A-50

Request:

Provide a schedule of federal and Pennsylvania taxes, other than income taxes, calculated on the basis of test year per books, pro forma at present rates, and pro forma at proposed rates, to include the following categories:

- a. social security
- b. unemployment
- c. capital stock
- d. public utility realty
- e. P.U.C. assessment
- f. other property
- g. any other appropriate categories

Response:

Refer to UGI Gas Exhibit A (Historic), (Future) and (Fully Projected), Schedules D-31 and D-32.

Prepared by or under the supervision of: Nicole M. McKinney

UGI Utilities, Inc. - Gas Division  
Docket No. R-2015-2518438  
2016 Base Rate Case  
Responses to Section 53.53 - III-A - Balance Sheet and  
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III-A-51

Request:

Submit a schedule showing for the last five years the income tax refunds, plus interest (net of taxes), received from the federal government due to prior years' claims.

Response:

None.

Prepared by or under the supervision of: Nicole M. McKinney

UGI Utilities, Inc. - Gas Division  
Docket No. R-2015-2518438  
2016 Base Rate Case  
Responses to Section 53.53 - III-A - Balance Sheet and  
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Delivered on January 19, 2016

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III-A-52

Request:

Provide detailed computations showing the deferred income taxes derived by using accelerated tax depreciation applicable to post-1969 utility property increases productive capacity, and ADR rates on property. (Separate between state and federal; also, rate used)

- a. State whether tax depreciation is based on all rate base items claimed as of the end of the test year, and whether it is the annual tax depreciation at the end of the test year.
- b. Reconcile any difference between the deferred tax balance, as shown as a reduction to measures of value (rate base), and the deferred tax balance as shown on the balance sheet.

Response:

See Schedules D-33 and D-34 in Exhibit A (Historic), Exhibit A (Future), and Exhibit A (Fully Projected) for the computation of federal and state deferred income taxes. The tax rate to compute federal deferred income taxes is approximately 31.5%, which is the federal rate net of the state tax benefit. The tax rate to compute state deferred income taxes is 9.99%. The total combined rate is approximately 41.5%.

- a. Tax depreciation subject to normalization is based on depreciable property as of the end of the test year. Further, tax depreciation is annualized as of the end of the test year period.
- b. The accumulated deferred tax balance, as shown as a reduction to measures of value, represents the annualized balance based on the plant in service included in the measures of value. The balance sheet represents the budgeted balance.

Prepared by or under the supervision of: Nicole M. McKinney

UGI Utilities, Inc. - Gas Division  
Docket No. R-2015-2518438  
2016 Base Rate Case  
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Operating Statement - All Utilities  
Delivered on January 19, 2016

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III-A-53

Request:

Submit a schedule showing a breakdown of the deferred income taxes by state and federal per books, pro-forma existing rates, and under proposed rates.

Response:

Refer to UGI Gas Exhibit A (Future) and (Fully Projected), Schedule D-33.

Prepared by or under the supervision of: Nicole M. McKinney

UGI Utilities, Inc. - Gas Division  
Docket No. R-2015-2518438  
2016 Base Rate Case  
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III-A-54

Request:

Submit a schedule showing a breakdown of accumulated investment tax credits (3 percent, 4 percent, 7 percent, 10 percent and 11 percent), together with details of methods used to write-off the unamortized balances.

Response:

As of fiscal year ended September 30, 2015, the amount of UGI Gas' accumulated 3% investment tax credit was \$3,586,669.

This investment credit is amortized on a straight line basis. The annual amortization of the credit is \$318,420.

Prepared by or under the supervision of: Nicole M. McKinney

UGI Utilities, Inc. - Gas Division  
Docket No. R-2015-2518438  
2016 Base Rate Case  
Responses to Section 53.53 - III-A - Balance Sheet and  
Operating Statement - All Utilities  
Delivered on January 19, 2016

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III-A-55

Request:

Submit a schedule showing the adjustments for taxable net income per books (including below-the-line items) and pro-forma under existing rates, together with an explanation of any difference between the adjustments. Indicate charitable donations and contributions in the tax calculation for rate making purposes.

Response:

Refer to UGI Gas Exhibit A (Historic), Exhibit A (Future) and Exhibit A (Fully Projected), Schedules A-1, D-1, D-33 and D-34. For ratemaking purposes, charitable donations and contributions are not being claimed and are excluded from test year data.

Prepared by or under the supervision of: Nicole M. McKinney



UGI Utilities, Inc. - Gas Division  
Docket No. R-2015-2518438  
2016 Base Rate Case  
Responses to Section 53.53 - III-A - Balance Sheet and  
Operating Statement - All Utilities  
Delivered on January 19, 2016

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III-A-56

Request:

Submit detailed calculations supporting taxable income before state and federal income taxes where the income tax is subject to allocation due to operations in another state, or due to operation of other taxable utility or non-utility business, or by operating divisions or areas.

Response:

See Attachment III-A-56.

UGI Gas has established nexus for income tax purposes in four other states solely due to having storage inventory in those states. Because of having nexus with those states, it files tax returns with income allocated to those states. Attachment III-A-56 reflects that allocation of taxable income.

The revenue requirement for UGI Gas is based solely on the operating revenues and expenses attributed to UGI Gas; therefore, no detailed allocation by operating division is needed.

Prepared by or under the supervision of: Nicole M. McKinney

**UGI Utilities, Inc. - Gas Division**  
**Allocation of Income to Other States, Other Operating Divisions, & Non-Utility Operations**  
**Historic Test Year - 9/30/15**  
**In Thousands (000)**

	(1) As Filed	(2) PA	(3) Non-PA	(4) Non-Utility (Off System Sales)
Revenue	498,800	454,114	1,364	43,322
Operating Expenses	(344,532)	(300,268)	(942)	(43,322)
Depr & Amort	(31,859)	(31,772)	(87)	-
Taxes Other Than Income	(5,448)	(5,433)	(15)	-
Total Operating Expenses	<u>(381,839)</u>	<u>(337,473)</u>	<u>(1,044)</u>	<u>(43,322)</u>
Interest Expense	(20,713)	(20,656)	(57)	.. -
Book/Tax Depr Adj	<u>(13,594)</u>	<u>(13,557)</u>	<u>(37)</u>	<u>-</u>
Taxable Income	82,654	82,428	226	-

UGI Utilities, Inc. - Gas Division  
Docket No. R-2015-2518438  
2016 Base Rate Case  
Responses to Section 53.53 - III-A - Balance Sheet and  
Operating Statement - All Utilities  
Delivered on January 19, 2016

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III-A-57

Request:

Submit detailed calculations showing the derivation of deferred income taxes for amortization of repair allowance if such policy is followed.

[Note: Submit additional schedules if the company has more than one accounting area.]

Response:

Not applicable. Please see the Direct Testimony of Nicole M. McKinney, UGI Gas Statement No. 10.

Prepared by or under the supervision of: Nicole M. McKinney

UGI Utilities, Inc. - Gas Division  
Docket No. R-2015-2518438  
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Responses to Section 53.53 - III-A - Balance Sheet and  
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Delivered on January 19, 2016

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III-A-58

Request:

Furnish a breakdown of major items comprising prepaid and deferred income tax charges and other deferred income tax credits and reserves by accounting areas.

Response:

See Exhibit A, Schedule C-6 (Historic) for deferred taxes relative to plant in service.

The net value of deferred taxes on items other than plant in service at fiscal year ended 9/30/15 is \$(63,546,550).

Prepared by or under the supervision of: Nicole M. McKinney

UGI Utilities, Inc. - Gas Division  
Docket No. R-2015-2518438  
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Responses to Section 53.53 - III-A - Balance Sheet and  
Operating Statement - All Utilities  
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III-A-59

Request:

Provide details of the Federal Surtax Credit allocated to the Pennsylvania jurisdictional area, if applicable.

Response:

Not applicable. The Federal Surtax Credit has been repealed. Therefore, no such credit is available.

Prepared by or under the supervision of: Nicole M. McKinney

UGI Utilities, Inc. - Gas Division  
Docket No. R-2015-2518438  
2016 Base Rate Case  
Responses to Section 53.53 - III-A - Balance Sheet and  
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III-A-60

Request:

Explain the reason for the use of cost of removal of any retired plant figures in the income tax calculations.

Response:

For income tax purposes, the cost of removal is deductible in the year incurred. For book purposes, the cost is amortized over 60 months.

Prepared by or under the supervision of: Nicole M. McKinney

UGI Utilities, Inc. - Gas Division  
Docket No. R-2015-2518438  
2016 Base Rate Case  
Responses to Section 53.53 - III-A - Balance Sheet and  
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Delivered on January 19, 2016

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III-A-61

Request:

Submit the corresponding data applicable to Pennsylvania Corporate Income Tax deferral.

- a. Show the amounts of straight line tax depreciation and accelerated tax depreciation, the difference between which gave rise to the normalizing tax charged back to the test year operating statement.
- b. Show normalization for both Federal and State Income Taxes.
- c. Show tax rates used to calculate tax deferral amount.

Response:

- a. & b. Refer to UGI Gas Exhibit A (Historic), Exhibit A (Future) and Exhibit A (Fully Projected). Schedules D-33 and D-34 which provide details of the deferred income taxes from normalized depreciation separately for Federal and State.
- c. Federal tax rate used is 35%. State tax rate used is 9.99%.

Prepared by or under the supervision of: Nicole M. McKinney

UGI Utilities, Inc. - Gas Division  
Docket No. R-2015-2518438  
2016 Base Rate Case  
Responses to Section 53.53 - III-A - Balance Sheet and  
Operating Statement - All Utilities  
Delivered on January 19, 2016

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III-A-62

Request:

Provide the accelerated tax depreciation and the book depreciation used to calculate test year deferrals in amounts segregated as follows:

For:

- a. Property installed prior to 1970
- b. Property installed subsequent to 1969 (indicate increasing capacity additions and nonincreasing capacity additions).

Response:

- a. There is no property installed prior to 1970 for tax purposes.
- b. Tax depreciation related to accelerated cost recovery system (ACRS) and modified accelerated cost recovery system (MACRS) is calculated on the full taxable basis and income taxes are normalized on the difference between ACRS/MACRS depreciation and book depreciation. For property installed subsequent to 1969, see Section D, Schedule D-34 within UGI Exhibit A (Historic), Exhibit A (Future), and Exhibit A (Fully Projected).

Prepared by or under the supervision of: Nicole M. McKinney



UGI Utilities, Inc. - Gas Division  
Docket No. R-2015-2518438  
2016 Base Rate Case  
Responses to Section 53.53 - III-A - Balance Sheet and  
Operating Statement - All Utilities  
Delivered on January 19, 2016

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III-A-63

Request:

State whether all tax savings due to accelerated depreciation on property installed prior to 1970 have been passed through to income. (If not, explain).

Response:

UGI Gas has no accelerated depreciation on property installed prior to 1970.

Prepared by or under the supervision of: Nicole M. McKinney

UGI Utilities, Inc. - Gas Division  
Docket No. R-2015-2518438  
2016 Base Rate Case  
Responses to Section 53.53 - III-A - Balance Sheet and  
Operating Statement - All Utilities  
Delivered on January 19, 2016

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III-A-64

Request:

Show any income tax loss/gain carryovers from previous years that may effect test year income taxes or future year income taxes. Show loss/gain carryovers by years of origin and amounts remaining by years at the end of the test year.

Response:

For the tax year ended 9/30/14, UGI Utilities, Inc. had a PA net operating loss carryforward from the tax year ended 9/30/09 in the amount of \$9,231,128. UGI Gas anticipates utilizing this entire remaining Net Operating Loss in the 2015 fiscal year. See Attachment III-A-64 for the PA schedule RCT-103, "Net Operating Loss Schedule" that was filed with the 9/30/2014 PA Corporate Tax Report (RCT-101) for the year ended 9/30/14.

Prepared by or under the supervision of: Nicole M. McKinney

**RCT-103 (06-13) NET OPERATING LOSS SCHEDULE (File with Form RCT-101.)**

Tax Year Beginning **10012013** Revenue ID **0176169**  
 Tax Year Ending **09302014**  
 Corporation Name **UGI UTILITIES, INC.**

**Part A**

1. Taxable income from RCT-101, Section C, Line 10	54357557
2. Total net operating loss carryforward to current period (Total, Column C below)	20102639
3. Line 1 multiplied by <u>0.20</u> . (See Instructions below.)	10871511
4. Net operating loss deduction allowed for current tax period	10871511

1030013171

**Part B**

	(A) Tax Period Beginning	(B) Tax Period Ending	(C) Net Loss Carryforward to Current Period	(D) Amount Deducted (Current Period)	(E) Net Loss Carryforward to Next Period
1			0	0	0
2			0	0	0
3			0	0	0
4			0	0	0
5			0	0	0
6			0	0	0
7			0	0	0
8			0	0	0
9			0	0	0
10			0	0	0
11			0	0	0
12			0	0	0
13			0	0	0
14			0	0	0
15			0	0	0
16	10012008	09302009	20102639	10871511	9231128
17			0	0	0
18			0	0	0
19			0	0	0
20			0	0	0
<b>TOTAL</b>			<b>20102639</b>	<b>10871511</b>	

Use percentage from the Net Operating Loss chart in the CT-1 PA Corporation Tax Booklet (REV-1200) found at [www.revenue.state.pa.us](http://www.revenue.state.pa.us).

If Line 3 is 3000000 or less, enter the lesser of Line 1 or Line 2 on Line 4, not to exceed 3000000.  
 (use applicable year allowance) (use applicable year allowance)

If Line 3 exceeds 3000000, enter the lesser of Line 2 or Line 3 or Line 4.  
 (use applicable year allowance)

3D4645 2.000

1030013171

1030013171

UGI Utilities, Inc. - Gas Division  
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III-A-65

Request:

State whether the company eliminates any tax savings by the payment of actual interest on construction work in progress not in rate base claim.

If response is affirmative:

- a. Set forth amount of construction claimed in this tax savings reduction. Explain the basis for this amount.
- b. Explain the manner in which the debt portion of this construction is determined for purposes of the deferral calculations.
- c. State the interest rate used to calculate interest on this construction debt portion, and the manner in which it is derived.
- d. Provide details of calculation to determine tax saving reduction. State whether state taxes are increased to reflect the construction interest elimination.

Response:

UGI Gas does not eliminate tax savings by the payment of interest on construction work in progress.

Prepared by or under the supervision of: Nicole M. McKinney

UGI Utilities, Inc. - Gas Division  
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III-A-66

Request:

Provide a detailed analysis of Taxes Accrued per books as of the test year date. Also supply the basis for the accrual and the amount of taxes accrued monthly.

Response:

See Attachments III-A-66.1 (Historic), III-A-66.2 (Future), and III-A-66.3 (Fully Projected).

Prepared by or under the supervision of: Nicole M. McKinney

UGI Utilities, INC. - Gas Division

Schedule of Taxes Accrued per Books - Historic Test Year  
Twelve Months Ended September 30, 2015  
*(Thousands of Dollars)*

<u>Description</u>	<u>Amount</u>	<u>Basis for Accrual of Tax</u>	<u>Amount of Tax Accrued Monthly</u>
PA Capital Stock Tax	\$ 41	Tax is based on the corporation's capital stock value, as derived by the application of a formula. The applicable tax rate for fiscal year ended 9/30/15 is .67 mills.	Monthly accrual is one twelfth of total estimated tax.
PA Public Utility Realty Tax	(37)	Tax is based on assessed valuation of the company's taxable real property.	Monthly accrual is one twelfth of total estimated tax.
PA Unemployment Tax	32	Tax based on employer's unemployment rate multiplied by a maximum of \$9,000 per employee.	Accrual is computed monthly by applying the tax rate to taxable earnings.
PA Use Tax	2	Tax based on taxable purchases on which sales tax has not been charged at the rate of 6%.	Accrual computed monthly by applying the tax rate to applicable purchases.
Federal Unemployment Tax	(0)	Tax is based on the first \$7,000 earned by an employee at a taxable rate of 0.6%.	Accrual is computed monthly by applying the tax rate to taxable earnings.
FICA	19	Tax for OASDI is based on the first \$118,500 earned by an employee at a taxable rate of 6.2%. Tax for HI is based on all wages at a taxable rate of 1.45%	Accrual is computed monthly by applying the tax rate to taxable earnings.
PA Corporate Net Income Tax	3,628	Tax is based on taxable net income as defined by the Pennsylvania Department of Revenue at the current rate of 9.99%	Accrual is computed monthly by applying the rate to taxable income for the month.
Federal Income Tax	(7,872)	Tax is based on taxable net income as defined by and reported to the IRS. Current rate is 35% of taxable income. Note, the amount reflected is negative due to cash payments exceeding accrued tax expense.	Accrual is computed monthly by applying the rate to taxable income for the month.
	<u>\$ (4,187)</u>		

UGI Utilities, INC. - Gas Division

Schedule of Taxes Accrued per Books - Future Test Year  
Twelve Months Ended September 30, 2016  
 (Thousands of Dollars)

<u>Description</u>	<u>Amount</u>	<u>Basis for Accrual of Tax</u>	<u>Amount of Tax Accrued Monthly</u>
PA Capital Stock Tax	\$ -	Tax is based on the corporation's capital stock value, as derived by the application of a formula. The applicable tax rate for fiscal year ended 9/30/16 is .45 mills.	Monthly accrual is one twelfth of total estimated tax.
PA Public Utility Realty Tax	0	Tax is based on assessed valuation of the company's taxable real property.	Monthly accrual is one twelfth of total estimated tax.
PA Unemployment Tax	0	Tax based on employer's unemployment rate multiplied by a maximum of \$9,500 per employee.	Accrual is computed monthly by applying the tax rate to taxable earnings.
PA Use Tax	2	Tax based on taxable purchases on which sales tax has not been charged at the rate of 6%.	Accrual computed monthly by applying the tax rate to applicable purchases.
Federal Unemployment Tax	0	Tax is based on the first \$7,000 earned by an employee at a taxable rate of 0.6%.	Accrual is computed monthly by applying the tax rate to taxable earnings.
FICA	0	Tax for OASDI is based on the first \$118,500 earned by an employee at a taxable rate of 6.2%. Tax for HI is based on all wages at a taxable rate of 1.45%	Accrual is computed monthly by applying the tax rate to taxable earnings.
PA Corporate Net Income Tax	0	Tax is based on taxable net income as defined by the Pennsylvania Department of Revenue at the current rate of 9.99%	Accrual is computed monthly by applying the rate to taxable income for the month.
Federal Income Tax	0	Tax is based on taxable net income as defined by and reported to the IRS. Current rate is 35% of taxable income.	Accrual is computed monthly by applying the rate to taxable income for the month.

\$ 2

UGI Utilities, INC. - Gas Division

Schedule of Taxes Accrued per Books - Fully Projected Future Test Year  
Twelve Months Ended September 30, 2017  
(Thousands of Dollars)

<u>Description</u>	<u>Amount</u>	<u>Basis for Accrual of Tax</u>	<u>Amount of Tax Accrued Monthly</u>
PA Capital Stock Tax	\$ -	N/A. The Capital Stock Tax is set to phase out beginning tax year 2016, i.e. 9/30/17.	Monthly accrual is one twelfth of total estimated tax.
PA Public Utility Realty Tax	0	Tax is based on assessed valuation of the company's taxable real property.	Monthly accrual is one twelfth of total estimated tax.
PA Unemployment Tax	0	Tax based on employer's unemployment rate multiplied by a maximum of \$9,750 per employee.	Accrual is computed monthly by applying the tax rate to taxable earnings.
PA Use Tax	2	Tax based on taxable purchases on which sales tax has not been charged at the rate of 6%.	Accrual computed monthly by applying the tax rate to applicable purchases.
Federal Unemployment Tax	0	Tax is based on the first \$7,000 earned by an employee at a taxable rate of 0.6%.	Accrual is computed monthly by applying the tax rate to taxable earnings.
FICA	0	Tax for OASDI is based on the first \$118,500 earned by an employee at a taxable rate of 6.2%. Tax for HI is based on all wages at a taxable rate of 1.45%	Accrual is computed monthly by applying the tax rate to taxable earnings.
PA Corporate Net Income Tax	0	Tax is based on taxable net income as defined by the Pennsylvania Department of Revenue at the current rate of 9.99%	Accrual is computed monthly by applying the rate to taxable income for the month.
Federal Income Tax	0	Tax is based on taxable net income as defined by and reported to the IRS. Current rate is 35% of taxable income.	Accrual is computed monthly by applying the rate to taxable income for the month.
	<u>\$ 2</u>		



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III-A-67

Request:

For the test year as recorded on test year operating statement:

- a. Supply the amount of federal income taxes actually paid.
- b. Supply the amount of the federal income tax normalizing charge to tax expense due to excess of accelerated tax depreciation over book depreciation.
- c. Supply the normalizing tax charge to federal income taxes for the 10% Job Development Credit during test year.
- d. Provide the amount of the credit of federal income taxes due to the amortization or normalizing yearly debit to the reserve for the 10% Job Development Credit.
- e. Provide the amount of the credit to federal income taxes for the normalizing of any 3% Investment Tax Credit Reserve that may remain on the utility books.

Response:

- a. & b. Refer to UGI Gas Exhibit A, Schedule D-33 for the Historic, Future, and Fully Projected test years.
- c. None.
- d. None.
- e. \$318,420.

Prepared by or under the supervision of: Nicole M. McKinney

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III-A-68

Request:

Provide the debit and credit in the test year to the Deferred Taxes due to Accelerated Depreciation for federal income tax, and provide the debit and credit for the Job Development Credits (whatever account) for test year.

Response:

The debit and credit in the test years to the Deferred Taxes due to Accelerated Depreciation for federal income tax is as follows:

A/C #	Account Description	Debit	Credit
410XXX	Deferred Tax Expense	\$XXX,XXX	
282XXX	Accumulated Deferred Taxes		\$XXX,XXX

UGI Gas has no Job Development Credits.

Prepared by or under the supervision of: Nicole M. McKinney

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III-A-69

Request:

Reconcile all data given in answers to questions on income taxes charged on the test year operating statement with regard to income taxes paid, income taxes charged because of normalization and credits due to yearly write-offs of past years' income tax deferrals, and from normalization of investment tax and development credits. (Both state and federal income taxes.)

Response:

Refer to UGI Gas Exhibit A (Historic), UGI Gas Exhibit A (Future), and UGI Gas Exhibit A (Fully Projected), Section D, Schedules D-33 and D-34.

Prepared by or under the supervision of: Nicole M. McKinney

UGI Utilities, Inc. - Gas Division  
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III-A-70

Request:

With respect to determination of income taxes, federal and state:

- a. Show income tax results of the annualizing and normalizing adjustments to the test year record before any rate increase.
- b. Show income taxes for the annualized and normalized test year.
- c. Show income tax effect of the rate increase requested.
- d. Show income taxes for the normalized and annualized test year after application of the full rate increase.

[It is imperative that continuity exists between the income tax calculations as recorded for the test year and the final income tax calculation under proposed rates. If the company has more than one accounting area, then additional separate worksheets must be provided in addition to those for total company.]

Response:

Refer to UGI Gas Exhibit A (Historic), Exhibit A (Future) and Exhibit A (Fully Projected) Schedules A-1, D-33 and D-34.

Prepared by or under the supervision of: Nicole M. McKinney

UGI Utilities, Inc. - Gas Division  
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III-A-71

Request:

In adjusting the test year to an annualized year under present rates, explain any changes that may be due to book or tax depreciation change and to debits and credits to income tax expense due to accelerated depreciation, deferred taxes, job development credits, tax refunds or other items.

(The above refers only the adjustments going from recorded test year to annualized test year.)

Response:

Adjustments relative to the subject matter were made to recorded data to annualize the years' data and are based on property balances at the end of the test year to reflect a full year's expense or deferral. See the Direct Testimony of Nicole M. McKinney, UGI Gas Statement No. 10.

Prepared by or under the supervision of: Nicole M. McKinney

UGI Utilities, Inc. - Gas Division  
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III-E-1

Request:

If Unrecovered Fuel Cost policy is implemented, provide the following:

- a. State manner in which amount of Unrecovered Fuel Cost on balance sheet at the end of the test year was determined, and the month in test year in which such fuel expense was actually incurred. Provide amount of adjustment made on the rate case operating account for test year-end unrecovered fuel cost. (If different than balance sheet amount, explain.)
- b. Provide amount of Unrecovered Fuel Cost that appeared on the balance sheet at the opening date of the test year, and the manner in which it was determined. State whether this amount is in the test year operating account.

Response:

- a. Refer to Attachment III-E-1.
- b. The balance and source of the unrecovered fuel cost at the beginning of the Fully Projected Test Year are set forth on Attachment III-E-1. Charges and/or credits to the cost of gas associated with deferral or amortization of unrecovered fuel costs have been eliminated from the pro forma operating income statements set forth in UGI Gas Exhibit A, Section D.

Prepared by or under the supervision of: David E. Lahoff

**UGI Utilities, Inc. - Gas Division**  
**Unrecovered Fuel Costs and Revenues**  
**For the periods ending September 30, 2016 and 2017**

Month	Year	Fuel Costs	Revenues	Under (Over) Collection
October	2015	\$ 7,376	\$ 8,093	\$ (717)
November	2015	14,756	11,996	2,760
December	2015	23,384	23,399	(15)
January	2016	29,304	30,305	(1,001)
February	2016	24,245	25,564	(1,319)
March	2016	17,986	16,140	1,846
April	2016	9,773	10,765	(992)
May	2016	4,587	3,312	1,275
June	2016	3,358	1,438	1,920
July	2016	2,985	820	2,165
August	2016	2,801	528	2,273
September	2016	3,130	1,197	1,933
October	2016	7,597	8,336	(739)
November	2016	15,199	12,355	2,844
December	2016	24,086	24,101	(15)
January	2017	30,184	31,214	(1,030)
February	2017	24,972	26,331	(1,359)
March	2017	18,525	16,624	1,901
April	2017	10,066	11,088	(1,022)
May	2017	4,724	3,411	1,313
June	2017	3,459	1,482	1,977
July	2017	3,074	844	2,230
August	2017	2,885	544	2,341
September	2017	3,224	1,233	1,991
Beginning Balance - 191101 as of 9/30/2015				(14,613)
Purchased Fuel Cost Adjustment				<u>20,560</u>
Unrecovered Purchased Fuel Cost as of 9/30/2017				<u><u>\$ 5,947</u></u>

UGI Utilities, Inc. - Gas Division  
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III-E-2

Request:

Provide details of items and amounts comprising the accounting entries for Deferred Fuel Cost at the beginning and end of the test year.

Response:

Refer to Attachment III-E-1 for an analysis of entries made to the Deferred Fuel Cost Account during the Fully Projected Future Test Year.

Prepared by or under the supervision of: David E. Lahoff



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III-E-3

Request:

Submit a schedule showing a reconciliation of test year MCF sales and line losses. List all amounts of gas purchased, manufactured and transported.

Response:

The data is provided below for the Historic Year.

Throughput -	128,888,141 Mcf
Company Use Gas -	170,123 Mcf
Line Loss -	207,360 Mcf
Total Sendout -	129,265,624 Mcf

Prepared by or under the supervision of: David E. Lahoff

UGI Utilities, Inc. - Gas Division  
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III-E-4

Request:

Provide detailed calculations substantiating the adjustment to revenues for annualization of changes in number of customers and annualization of changes in volume sold for all customers for the test year.

- a. Break down changes in number of customers by rate schedules.
- b. If an annualization adjustment for changes in customers and changes in volume sold is not submitted, please explain.

Response:

- a. Please see the Direct Testimony of David E. Lahoff, UGI Gas Statement No. 6.
- b. Not applicable.

Prepared by or under the supervision of: David E. Lahoff

UGI Utilities, Inc. - Gas Division  
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III-E-5

Request:

Submit a schedule showing the sources of gas supply associated with annualized MCF sales.

Response:

Please see Attachment III-E-5.

Prepared by or under the supervision of: Ann P. Kelly

UGI Utilities, Inc. - Gas Division  
Sources of Gas Supply Associated with Mcf Sales

	Annualized Gas Supply Based on Level of Operation at September 30, 2015 (Mcf)
Columbia Gas Transmission Corporation	17,337,254
Transcontinental Gas Pipeline Company	7,290,203
Texas Eastern Pipeline Company	8,189,241
Gas Beyond the Mains	51,563
End-user Transportation	96,803,849
	<hr/>
Total Pipeline Purchases	129,672,111
	<hr/>
Add:	
Transco GSS Withdrawal	98,365
Transco SS-2 Withdrawal	754,305
Transco ESS Withdrawal	0
ANR - FSS Withdrawal	2,555,125
Columbia FSS Withdrawal	7,098,182
Columbia FSS II Withdrawal	1,047,348
Dom GSS TE - Withdrawal	742,832
Dominion GSS - Withdrawal	639,185
Egan Hub - Withdrawal	337,861
	<hr/>
Storage Withdrawals	13,273,204
	<hr/>
Gross Supplies	142,945,315
	<hr/>
Less:	
Transco GSS Injection	101,219
Transco SS-2 Injection	764,185
Transco ESS Injection	0
ANR - FSS Injection	2,678,687
Columbia FSS Injection	8,120,312
Columbia FSS II Injection	136,938
Dom GSS TE - Injection	757,998
Dominion GSS - Injection	639,185
Egan Hub - Injection	481,165
	<hr/>
Storage Injections	13,679,691
	<hr/>
Net Supplies for UGI Sendout	129,265,624
	<hr/> <hr/>

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III-E-6

Request:

Supply, by classification, Operating Revenues--Miscellaneous for test year.

Response:

Please refer to Attachment III-E-6 for a schedule of budgeted Operating Revenues - Miscellaneous for the years ended September 30, 2015-2017. Please refer to Exhibit A (Historic), Exhibit A (Future), and Exhibit A (Fully Projected), Schedule D, for pro forma adjustments to budgeted Operating Revenues - Miscellaneous.

Prepared by or under the supervision of: Ann P. Kelly

UGI UTILITIES, INC. - GAS DIVISION  
OPERATING REVENUES - MISCELLANEOUS  
FOR THE YEARS ENDED SEPTEMBER 30, 2015, 2016, AND 2017

(000's)

Account No.	Actual 12 Months 09/30/15	Budgeted 12 Months 09/30/16	Budgeted 12 Months 09/30/17
487 Forefeited Discounts	\$ 2,881	\$ 3,112	\$ 3,112
488 Miscellaneous Service Revenues	3,517	3,823	3,823
493 Rent from Gas Property	154	-	-
495 Other Gas Revenues	<u>599</u>	<u>802</u>	<u>802</u>
Total	<u>\$ 7,151</u>	<u>\$ 7,737</u>	<u>\$ 7,737</u>

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III-E-7

Request:

Provide details of respondent's attempts to recover uncollectible and delinquent accounts.

Response:

UGI follows 52 Pa. Code, Chapter 56 regulations for collection of residential and commercial customers' delinquent account balances.

UGI refers bad debt placements to a collection agency for continuing collection action. Placements are sent to the collection agency 110 days after the service is closed. When the service is closed the customer receives a closing bill. After the due date of the closing bill has past (plus a five day grace period), two attempts are made by telephone to contact the customer and a closed account delinquent notice is mailed. Before referring an account to the collection agency for collection, (at 60 days closed) the account is sent a second delinquent notice reminding the customer that their balance is to be paid to avoid being turned over to a collection agency.

Prepared by or under the supervision of: Robert R. Stoyko

UGI Utilities, Inc. - Gas Division  
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III-E-8

Request:

Describe how the net billing and gross billing is determined. For example, if the net billing is based on the rate blocks plus FCA and STA, and the gross billing is determined by a percentage increase (1, 3 or 5 percent), then state whether the percentage increase is being applied to all three items of revenue--rate blocks plus FCA and STA.

Response:

- A. The total net bill is the sum of:
1. Tariff Amount – calculated as the volume of usage priced through the rate schedule tables.
  2. Currently effective surcharges.
  3. Sales Tax – calculated as the product of the current sales tax percentage (6%) and the sum of the above. Sales tax is not applied to residential customers when the purchase of natural gas is solely for the purchaser's own residential use and non-residential customers are exempt from sales tax if the purchaser is entitled to claim an exemption under Chapter 61 of the Pa. Code § 32.25 subsection (d). If a tax exemption certificate is on file for these non-residential customers, the tax base is adjusted in accordance with the exemption certificate.
- B. The gross bill is the sum of:
1. Total net bill as described above.
  2. Late payment charges on any unpaid previous balance, if any, as of the billing date.
  3. Late payment charge for payment made after the due date (see III-E-9 for details on late payment charges applied).
- C. The percentage increase (late payment charge) is applied to the base tariff rate and the State Tax Adjustment Surcharge. The late payment charge is not applied to Sales Tax or to previously applied late payment charges.

Prepared by or under the supervision of: David E. Lahoff



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III-E-9

Request:

Describe the procedures involved in determining whether forfeited discounts or penalties are applied to customer billing.

Response:

Please refer to Rules 9.4 and 9.7 of the Company's currently effective tariff. Gas - Pa. P.U.C. No. 5.

Prepared by or under the supervision of: Robert R. Stoyko

UGI Utilities, Inc. - Gas Division  
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III-E-10

Request:

Provide annualization of revenues as a result of rate changes occurring during the test year, at the level of operations as of end of the test year.

Response:

Please see the Direct Testimony of David E. Lahoff, UGI Statement No. 6. for detail on the annualization of revenues.

Prepared by or under the supervision of: David E. Lahoff

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III-E-11

Request:

Provide a detailed billing analysis supporting present and proposed rates by customer classification and/or tariff rate schedule.

Response:

Please see Exhibit E - Proof of Revenue.

Prepared by or under the supervision of: David E. Lahoff

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: III-E-12

Request:

Provide a schedule showing residential and commercial heating sales by unit (MCF) per month and degree days for the test year and three preceding twelve month periods.

Response:

Please see Attachment III-E-12.

Prepared by or under the supervision of: David E. Lahoff

**UGI Utilities, Inc. - Gas Division**  
**Residential and Commercial Heating Sales (Mcf's)**

	October	November	December	January	February	March	April	May	June	July	August	September	Total	
<u>Degree Days</u>														
2013-2014		300	723	968	1267	1064	908	430	126	4	2	2	71	5,865
2014-2015		267	731	875	1183	1228	920	360	65	27	0	0	26	5,682
2015-2016		335	617	946	1081	946	717	378	139	16	0	4	65	5,244
2016-2017		335	617	946	1081	916	717	378	139	16	0	4	65	5,214
<u>Residential Heating Sales (Mcf's)</u>														
<u>Rate R &amp; RT</u>														
2013-2014	1,107,729	2,751,550	3,808,682	5,432,735	4,307,723	3,681,486	1,627,624	534,159	415,982	374,913	325,079	886,048	25,253,709	
2014-2015	880,771	2,980,887	3,491,147	5,254,947	5,336,284	3,780,030	1,533,776	555,539	548,780	422,333	422,020	507,843	25,714,357	
2015-2016	1,236,322	2,266,502	3,590,356	4,404,064	3,728,066	2,742,526	1,537,619	724,050	427,139	424,989	401,595	531,189	22,014,416	
2016-2017	1,236,471	2,283,314	3,591,393	4,403,063	3,703,102	2,753,797	1,490,082	740,496	438,528	433,216	424,995	596,802	22,095,259	
<u>Commercial Heating Sales (Mcf's)</u>														
<u>Rate N, NT &amp; DS</u>														
2013-2014	776,801	1,843,162	2,854,394	3,938,003	3,285,783	2,699,279	1,182,486	570,576	384,592	404,987	409,390	642,143	18,991,596	
2014-2015	700,376	1,943,493	2,815,308	3,814,739	3,943,183	2,932,376	1,116,222	511,372	488,589	437,218	454,787	494,318	19,651,979	
2015-2016	846,146	1,655,869	2,829,834	3,376,993	2,759,445	2,073,715	1,200,896	619,268	479,508	421,159	373,067	390,140	17,026,040	
2016-2017	852,247	1,640,467	2,956,911	3,439,004	2,770,924	2,143,430	1,228,635	618,650	505,005	416,576	399,271	431,918	17,403,039	

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III-E-13

Request:

Provide a schedule of present and proposed tariff rates showing dollar change and percent of change by block. Also, provide an explanation of any change in block structure and the reasons therefor.

Response:

Please see Exhibit E - Proof of Revenue and the Direct Testimony of David E. Lahoff, UGI Gas Statement No. 6.

Prepared by or under the supervision of: David E. Lahoff

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III-E-14

Request:

Provide the following statements and schedules. The schedules and statements for the test year portion should be reconciled with the summary operating statement.

a. An operating revenues summary for the test year and the year preceding the test year showing the following (Gas MCF):

(i) For each major classification of customers

(a) MCF sales

(b) Dollar Revenues

(c) Forfeited Discounts (Total if not available by classification)

(d) Other and Miscellaneous revenues that are to be taken into the utility operating account along with their related costs and expenses.

(ii) A detailed explanation of all annualizing and normalizing adjustments showing method utilized and amounts and rates used in calculation to arrive at adjustment.

(iii) Segregate, from recorded revenues from the test year, the amount of revenues that are contained therein, by appropriate revenue categories, from:

(a) Fuel Adjustment Surcharge

(b) State Tax Surcharge

(c) Any other surcharge being used to collect revenues.

(d) Provide explanations if any of the surcharges are not applicable to respondent's operations.

[The schedule should also show number of customers and unit of sales (Mcf), and should provide number of customers by service classification at beginning and end of test year.]

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III-E-14 (Continued)

b. Provide details of sales for resale, based on periods five years before and projections for five years after the test year, and for the test year. List customers, Mcf sold, revenues received, source of Mcf sold (storage gas, pipeline gas, manufactured gas, natural or synthetic), contracted or spot sales, whether sales are to affiliated companies, and any other pertinent information.

Response:

- a. (i)(a) Please see UGI Attachment III-E-19.
- a. (i)(b)-(d) Please see UGI Exhibit A, Schedule D-5 (Historic), UGI Exhibit A, Schedule D-5 (Future), and UGI Exhibit A, Schedule D-5 (Fully Projected).
- a. (ii) Please see the Direct Testimony of David E. Lahoff, UGI Gas Statement No. 6.
- a. (iii) Please see UGI Exhibit E.
- b. None.

Prepared by or under the supervision of: David E. Lahoff



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III-E-15

Request:

*State manner in which revenues are being presented for ratemaking purposes:*

- a. Accrued Revenues
- b. Billed Revenues
- c. Cash Revenues

Provide details of the method followed.

Response:

Fully Projected Test Year revenues at present and proposed rates are based upon a calculation applying present rates to projected volumes and number of customers and proposed rates to projected volumes and number of customers.

Prepared by or under the supervision of: David E. Lahoff

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III-E-16

Request:

If revenue accruing entries are made on the books at end of each fiscal period, give entries made accordingly at the end of the test year and at the beginning of the year. State whether they are reversed for ratemaking purposes.

Response:

The amount of unbilled revenue accrued at September 30, 2014 and September 30, 2015 was \$6,013,700 and \$4,294,677, respectively. The Company annualizes revenue for ratemaking purposes eliminating the impact of unbilled revenues.

Prepared by or under the supervision of: Ann P. Kelly

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III-E-17

Request:

State whether any adjustments have been made to expenses in order to present such expenses on a basis comparable to the manner in which revenues are presented in this proceeding (i.e.--accrued, billed or cash).

Response:

No such adjustments have been made to expenses.

Prepared by or under the supervision of: Ann P. Kelly

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III-E-18

Request:

If the utility has a Fuel Adjustment Clause:

- a. State the base fuel cost per MCF chargeable against basic customers' rates during the test year. If there was any change in this basic fuel charge during the test year, give details and explanation thereof.
- b. State the amount in which the fuel adjustment clause cost per MCF exceeds the fuel cost per MCF charged in base rates at the end of the test year.
- c. If fuel cost deferment is used at the end of the test year, give
  - (i) The amount of deferred fuel cost contained in the operating statement that was deferred from the 12-month operating period immediately preceding the test year.
  - (ii) The amount of deferred fuel cost that was removed from the test period and deferred to the period immediately following the test year.
- d. State the amount of Fuel Adjustment Clause revenues credited to the test year operating account.
- e. State the amount of fuel cost charged to the operating expense account in the test year which is the basis of Fuel Adjustment Clause billings to customers in that year. Provide summary details of this charge.
- f. From the recorded test year operating account, remove the Fuel Adjustment Clause Revenues. Also remove from the test year recorded operating account the excess of fuel cost over base rate fuel charges, which is the basis for the Fuel Adjustment charges. Explain any difference between FAC Revenues and excess fuel costs. [The above is intended to limit the operating account to existing customers' base rate revenues and expense deductions relative thereto].

Response:

The Company recovers its purchased gas costs through a purchased gas cost rate mechanism under Section 1307(f) of the Public Utility Code. The Company's Fully

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III-E-18 (Continued)

Projected Test Year claim in this case normalizes recovery of purchased gas costs based on the PGC rate effective December 1, 2015. There is no fuel deferral claim.

Prepared by or under the supervision of: David E. Lahoff

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III-E-19

Request:

Provide growth patterns of usage and customer numbers per rate class, using historical and projected data.

Response:

Please see Attachment III-E-19.

Prepared by or under the supervision of: David E. Lahoff

**UGI Utilities, Inc. - Gas Division**  
**Usage and Customer Growth Patterns for Period Ending September 30**

<u>Number of Customers</u> <u>September Year End</u>	<u>September</u> <u>2013</u>	<u>September</u> <u>2014</u>	<u>September</u> <u>2015</u>	<u>September</u> <u>2016</u>	<u>September</u> <u>2017</u>
Residential	284,370	284,599	286,442	293,102	300,432
Commercial	24,407	25,175	25,816	26,599	27,577
Industrial	588	570	538	527	513
Subtotal	<u>309,365</u>	<u>310,344</u>	<u>312,796</u>	<u>320,228</u>	<u>328,522</u>
Transportation-Other	<u>46,710</u>	<u>52,476</u>	<u>58,879</u>	<u>59,350</u>	<u>59,397</u>
Total	<u>356,075</u>	<u>362,820</u>	<u>371,675</u>	<u>379,578</u>	<u>387,919</u>
<u>Total Fiscal Year Sales (Mcf's)</u>	<u>FY 2013</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017</u>
Residential	19,772,231	22,321,608	22,503,014	18,999,821	19,067,626
Commercial	7,358,556	8,898,801	9,398,927	7,010,804	7,115,725
Industrial	616,532	618,912	694,468	580,696	567,688
Subtotal	<u>27,747,319</u>	<u>31,839,322</u>	<u>32,596,408</u>	<u>26,591,321</u>	<u>26,751,039</u>
Transportation-Other	<u>90,167,312</u>	<u>89,276,762</u>	<u>96,237,986</u>	<u>95,163,519</u>	<u>95,633,169</u>
Total	<u>117,914,631</u>	<u>121,116,084</u>	<u>128,834,394</u>	<u>121,754,840</u>	<u>122,384,208</u>

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III-E-20

Request:

Provide, for test year only, a schedule by tariff rates and by service classifications showing proposed increase and percent of increase.

Response:

Please refer to the Direct Testimony of David E. Lahoff, UGI Gas Statement No. 6 and Exhibit E - Proof of Revenue.

Prepared by or under the supervision of: David E. Lahoff



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III-E-21

Request:

If a gas company is affiliated with another utility segment, such as a water or electric segment, explain the effects, if any, upon allocation factors used in the gas rate filing of current or recent rate increases allowed to the other utility segment (or segments) of the company.

Response:

UGI Utilities - Electric Division has not had a recent base rate increase. Any other rate increases would not have a material impact on the allocation percentages.

See response to III-A-45 for further explanation of current allocation factors.

Prepared by or under the supervision of: Ann P. Kelly

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III-E-22

Request:

Provide supporting data detailing curtailment adjustments, procedures and policies.

Response:

The Company did not have any curtailment adjustments during the historic test year ended September 30, 2015 and is not claiming any curtailment adjustments in its future test year or fully projected future test year. In addition, the Company follows curtailment procedures and policies as specified in its Gas Tariffs on file with the Commission. Please refer to Section 15, Emergency Service and Curtailment of Service of the UGI Tariff Gas - Pa. P.U.C. No. 5 and Section 19, Gas Emergency Planning, of the proposed UGI Tariff Gas - Pa. P.U.C. No. 6.

Prepared by or under the supervision of: David E. Lahoff

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III-E-23

Request:

Submit a schedule showing fuel cost in excess of base compared to fuel cost recovery for the period two months prior to test year and the test year.

Response:

There are no fuel costs in excess of base compared to fuel cost recovery.

All of the Company's fuels costs are recovered through its annual purchased gas cost filing made pursuant to Section 1307(f) of the Public Utility Code.

Prepared by or under the supervision of: David E. Lahoff

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III-E-24

Request:

Supply a detailed analysis of Purchased Gas for the test year and the twelve month period prior to the test year.

Response:

Please refer to Attachment III-E-25.

Prepared by or under the supervision of: David E. Lahoff

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III-E-25

Request:

Submit calculations supporting energy cost per MCF and operating ratio used to determine increase in costs other than production to serve additional load.

Response:

The energy cost per MCF is developed as part of each annual and quarterly 1307(f) filing submitted to the Commission. Please see Attachment III-E-25 (contained on CD) which is copies of the Company's most recent Annual 1307(f) Purchased Gas Cost (PGC) and PGC Compliance filings.

Prepared by or under the supervision of: David E. Lahoff

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III-E-26 :

Request:

Submit detailed calculations for bulk gas transmission service costs under supply and/or interconnection agreements.

Response:

Not applicable.

Prepared by or under the supervision of: Paul J. Szykman

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III-E-27

Request:

Submit a schedule for gas producing units retired or scheduled for retirement subsequent to the test year showing station, units, MCF capacity, hours of operation during test year, net output produced and cents/MCF of maintenance and fuel expenses.

Response:

This question is not applicable. UGI Gas does not own any gas production plant.

Prepared by or under the supervision of: Ann P. Kelly

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III-E-28

Request:

Provide a statement explaining the details of firm gas purchase (long-term) contracts with affiliated and nonaffiliated utilities, including determination of costs, terms of contract, and other pertinent information.

Response:

UGI Utilities, Inc. has a delivered supply contract with its affiliate, UGI Penn Natural Gas, Inc., for 7,000 dth/day. The contract has a term date of 11/1/2015 – 10/31/2020. The terms of the contract, including costs, were approved as part of UGI's 2015 1307(f) PGC settlement at Docket No. R-2015-2480950.

Prepared by or under the supervision of: Paul J. Szykman



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III-E-29

Request:

Provide intrastate operations percentages by expense categories for two years prior to the test year.

Response:

UGI Gas operates 100% in Pennsylvania and has done so for the two years prior to the test year.

Prepared by or under the supervision of: Ann P. Kelly

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III-E-30

Request:

Provide a schedule showing suppliers, MCF purchased, cost (small purchases from independent suppliers may be grouped); emergency purchases, listing same information; curtailments during the year; gas put into and taken out of storage; line loss, and any other gas input or output not in the ordinary course of business.

Response:

Please refer to Attachment III-E-25 which is a CD containing electronic copies of the Company's most recent Annual 1307(f) Purchased Gas Cost (PGC) and PGC Compliance filings.

Prepared by or under the supervision of: Paul J. Szykman

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III-E-31

Request:

Provide a schedule showing the determination of the fuel costs included in the base cost of fuel.

Response:

The computation of this cost is set forth in the 1307(f) filed with the Pennsylvania Public Utility Commission. Please refer to Attachment III-E-25 which is a CD containing electronic copies of the Company's most recent Annual 1307(f) Purchased Gas Cost (PGC) and PGC Compliance filings.

Prepared by or under the supervision of: David E. Lahoff

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III-E-32

Request:

Provide a schedule showing the calculation of any deferred fuel costs shown in Account 174. Also, explain the accounting, with supporting detail, for any associated income taxes.

Response:

Please see Attachment III-E-32.

The Company records deferred fuel costs in Account 191 (under collections) or account 254 (over collections). Please refer to Attachment III-E-32 for the calculation of the monthly over or (under) collections as of September 30, 2015, resulting from the purchase gas cost rate included in rates during the period. The over collections shown in Column 4 are debited to Operations Expense – Cost of Gas and credited to Current Regulatory Liabilities – Unrecovered Purchased Fuel Costs. Under collections are credited to Operations Expense – Cost of Gas and debited to Current Regulatory Assets – Unrecovered Purchased Fuel Costs. For additional information, refer to the response to III-E-1.

The actual Cost of Gas charged to operating expense is taken as a deduction in computing the Company's income taxes. Income taxes related to deferred fuel are recorded as a deferred tax asset (over collections) or a deferred tax liability (under collections) on the balance sheet.

The deferred fuel cost activity is a temporary difference for tax purposes. The net P&L impact for tax related to deferred fuel is zero.

Prepared by or under the supervision of: Ann P. Kelly

**UGI Utilities, Inc. - Gas Division**  
**Statement of Total Over/Under Collections From the Present**  
**Gas Cost Rate Adjustment Clause - 12 Months Ending September 30, 2015**

	<u>Sales</u> <u>Mcf</u> (1)	<u>PGC</u> <u>Revenue</u> (2)	<u>Cost of</u> <u>Fuel</u> (3)	<u>Over / (Under)</u> <u>Collections</u> (4)
October	785.710	4,636.788	\$ 6,039.072	\$ (1,402.284)
November	2,090.663	12,329.203	23,845.260	(11,516.057)
December	4,614.559	26,316.864	25,927.997	388.867
January	5,815.283	32,136.146	31,057.321	1,078.825
February	6,444.689	35,584.214	31,161.186	4,423.028
March	6,434.931	33,309.056	20,692.520	12,616.536
April	3,128.231	15,423.342	7,726.780	7,696.562
May	1,100.919	5,374.175	5,262.570	111.605
June	682.875	3,074.371	5,364.528	(2,290.157)
July	574.268	2,394.755	4,661.259	(2,266.504)
August	504.646	2,120.458	4,881.753	(2,761.295)
September	544.611	3,008.932	5,554.758	(2,545.826)
	<u>32,721.385</u>	<u>\$ 175,708.304</u>	<u>\$ 172,175.004</u>	<u>\$ 3,533.300</u>

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III-E-33

Request:

Submit a schedule showing maintenance expenses, gross plant and the relation of maintenance expenses thereto as follows:

(i) Gas Production Maintenance Expenses per MCF production, per \$1,000 MCF production, and per \$1,000 of Gross Production Plant;

(ii) Transmission Maintenance Expenses per MMCF mile and per \$1,000 of Gross Transmission Plant;

(iii) Distribution Maintenance Expenses per customer and per \$1,000 of Gross Distribution Plant;

(iv) Storage Maintenance Expenses per MMCF of Storage Capacity and \$1,000 of Gross Storage Plant. This schedule shall include three years prior to the test year, the test year and one year's projection beyond the test year.

Response:

Please see Attachment III-E-33.

Prepared by or under the supervision of: Ann P. Kelly

		<u>12 MONTHS ENDED</u>				
		<u>9/30/13</u>	<u>9/30/14</u>	<u>9/30/15</u>	<u>9/30/16</u>	<u>9/30/17</u>
(i)	Maintenance Exp /MCF Produced	-	-	-	-	-
	Maintenance Exp /\$1,000 MCF	-	-	-	-	-
	Maintenance Exp /\$1,000 GPP	-	-	-	-	-
(ii)	Trans. Main. Exp /MMCF	\$ -	\$ -	\$ -	\$ -	\$ -
	Trans. Main. Exp /Transmission Mile	\$ -	\$ -	\$ -	\$ -	\$ -
	Trans. Main. Exp /\$1,000 GTP	\$ -	\$ -	\$ -	\$ -	\$ -
(iii)	Dist. Main. Exp /Customer	\$ 38.56	\$ 38.61	\$ 39.52	\$ 40.20	\$ 40.52
	Dist. Main. Exp /\$1,000 GDP	\$ 11.88	\$ 11.43	\$ 11.19	\$ 10.50	\$ 10.02
(iv)	Storage. Main. Exp /MMCF Capacity	-	-	-	-	-
	Storage. Main. Exp /\$1,000 GSP	-	-	-	-	-

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III-E-34

Request:

Prepare a 3-column schedule of expenses, as described below for the following periods (supply sub-accounts, if significant, to clarify basic accounts):

- a. Column 1--Test Year
- b. Column 2 and 3--The two previous years

Provide the annual recorded expense by accounts. (Identify all accounts used but not specifically listed below.)

Response:

Please refer to Attachment III-E-34 for the requested schedule of expenses.

Prepared by or under the supervision of: Ann P. Kelly



**UGI Utilities, Inc. - Gas Division**  
**Statement of Operation and Maintenance Expenses**  
**12 Months Ended September 30, 2013, 2014, 2015, 2016, 2017**  
(Thousands of Dollars)

<u>Title of Account</u>	<u>Acct. No.</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>
<b>Manufactured Gas Production</b>						
Operation Supervision and Engineering	710.0	\$ 23	\$ -	\$ -	\$ -	\$ -
<b>Production Labor and Expenses</b>						
Steam Expenses	711.0	-	-	-	-	-
Other Power Expenses	712.0	-	-	-	-	-
Coke Oven Expenses	713.0	-	-	-	-	-
Producer Gas Expenses	714.0	-	-	-	-	-
Water Gas Generating Expenses	715.0	-	-	-	-	-
Oil Gas Generating Expenses	716.0	-	-	-	-	-
Liquefied Petroleum Gas Expenses	717.0	10	-	1	1	1
Other Process Production Expenses	718.0	-	-	-	-	-
<b>Total Production Labor and Expenses</b>		<u>10</u>	<u>-</u>	<u>1</u>	<u>1</u>	<u>1</u>
<b>Gas Fuels</b>						
Fuel Under Coke Ovens	719.0	-	-	-	-	-
Producer Gas Fuel	720.0	-	-	-	-	-
Water Gas Generator Fuel	721.0	-	-	-	-	-
Fuel for Oil Gas	722.0	-	-	-	-	-
Fuel for Liquefied Petroleum Gas Process	723.0	-	-	-	-	-
Other Gas Fuels	724.0	-	-	-	-	-
<b>Total Gas Fuels Expenses</b>		<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
<b>Gas Raw Materials</b>						
Coal Carbonized in Coke Ovens	725.0	-	-	-	-	-
Oil for Water Gas	726.0	-	-	-	-	-
Oil for Oil Gas	727.0	-	-	-	-	-
Liquefied Petroleum Gas Expenses	728.0	-	-	-	-	-
Raw Materials for Other Gas Processes	729.0	-	-	-	-	-
Residuals Expenses	730.0	-	-	-	-	-
Residuals Produced-Credit	731.0	-	-	-	-	-
Purification Expenses	732.0	-	-	-	-	-
Gas Mixing Expenses	733.0	-	-	-	-	-
Duplicate Charges-Credit	734.0	-	-	-	-	-
Miscellaneous Production Expenses	735.0	95	45	69	65	67
Rents	736.0	-	-	-	-	-
<b>Total Gas Raw Materials Expenses</b>		<u>95</u>	<u>45</u>	<u>69</u>	<u>65</u>	<u>67</u>
<b>Maintenance</b>						
Maintenance Supervision and Engineering	740.0	23	-	-	-	-
Maintenance of Structures and Improvements	741.0	-	-	-	-	-
Maintenance of Production Equipment	742.0	3	1	-	-	-
<b>Total Maintenance Expenses</b>		<u>26</u>	<u>1</u>	<u>-</u>	<u>-</u>	<u>-</u>
<b>Manufactured Gas Production Expenses</b>		<u>154</u>	<u>46</u>	<u>70</u>	<u>66</u>	<u>68</u>
<b>NATURAL GAS PRODUCTION EXPENSES</b>						
<b>Production and Gathering</b>						
<b>Operation</b>						
Operating Supervision and Engineering	750.0	-	-	-	-	-
Production Maps and Records	751.0	-	-	-	-	-
Gas Wells Expenses	752.0	-	-	-	-	-
Field Lines Expenses	753.0	-	-	-	-	-
Field Compressor Station Expenses	754.0	-	-	-	-	-
Field Compressor Station Fuel and Power	755.0	-	-	-	-	-
Field Measuring and Regulating Station Expenses	756.0	-	-	-	-	-
Purification Expenses	757.0	-	-	-	-	-
Gas Well Royalties	758.0	-	-	-	-	-
Other Expenses	759.0	-	-	-	-	-
Rents	760.0	-	-	-	-	-
<b>Total Production &amp; Gathering Operation Expenses</b>		<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>

**UGI Utilities, Inc. - Gas Division**  
**Statement of Operation and Maintenance Expenses**  
**12 Months Ended September 30, 2013, 2014, 2015, 2016, 2017**  
(Thousands of Dollars)

<u>Title of Account</u>	<u>Acct. No.</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>
<b>Maintenance</b>						
Maintenance Supervision and Engineering	761.0	-	-	-	-	-
Maintenance of Structures and Improvements	762.0	-	-	-	-	-
Maintenance of Producing Gas Wells	763.0	-	-	-	-	-
Maintenance of Field Lines	764.0	-	-	-	-	-
Maintenance of Field Compressor Station Equipment	765.0	-	-	-	-	-
Maintenance of Field Measuring and Reg. Station Equip.	766.0	-	-	-	-	-
Maintenance of Purification Equipment	767.0	-	-	-	-	-
Maintenance of Drilling and Cleaning Equipment	768.0	-	-	-	-	-
Maintenance of Other Equipment	769.0	-	-	-	-	-
<b>Total Production &amp; Gathering Maintenance Expenses</b>		<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
<b>Products Extraction</b>						
<b>Operation</b>						
Operation Supervision and Engineering	770.0	-	-	-	-	-
Operating Labor	771.0	-	-	-	-	-
Gas Shrinkage	772.0	-	-	-	-	-
Fuel	773.0	-	-	-	-	-
Power	774.0	-	-	-	-	-
Materials	775.0	-	-	-	-	-
Operation Supplies and Expenses	776.0	-	-	-	-	-
Gas Processed by Others	777.0	-	-	-	-	-
Royalties on Products Extracted	778.0	-	-	-	-	-
Marketing Expenses	779.0	-	-	-	-	-
Products Purchased for Resale	780.0	-	-	-	-	-
Variation in Products Inventory	781.0	-	-	-	-	-
Extracted Products Used by the Utility-Credit	782.0	-	-	-	-	-
Rents	783.0	-	-	-	-	-
<b>Total Products Extraction Operation Expenses</b>		<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
<b>Maintenance</b>						
Maintenance Supervision and Engineering	784.0	-	-	-	-	-
Maintenance of Structures and Improvements	785.0	-	-	-	-	-
Maintenance of Extraction and Refining Equipment	786.0	-	-	-	-	-
Maintenance of Pipe Lines	787.0	-	-	-	-	-
Maintenance of Extracted Products Storage Equipment	788.0	-	-	-	-	-
Maintenance of Compressor Equipment	789.0	-	-	-	-	-
Maintenance of Gas Measuring & Regulating Equipment	790.0	-	-	-	-	-
Maintenance of Other Equipment	791.0	-	-	-	-	-
<b>Total Products Extraction Maintenance Expenses</b>		<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
<b>Total Natural Gas Production Expenses</b>		<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
<b>EXPLORATION AND DEVELOPMENT EXPENSES</b>						
<b>Operation</b>						
Delay Rentals	795.0	-	-	-	-	-
Nonproductive Well Drilling	796.0	-	-	-	-	-
Abandoned Leases	797.0	-	-	-	-	-
Other Exploration	798.0	-	-	-	-	-
<b>Total Exploration and Development Operation Exp.</b>		<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>

**UGI Utilities, Inc. - Gas Division**  
**Statement of Operation and Maintenance Expenses**  
**12 Months Ended September 30, 2013, 2014, 2015, 2016, 2017**  
(Thousands of Dollars)

<u>Title of Account</u>	<u>Acct. No.</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>
<b>OTHER GAS SUPPLY EXPENSES</b>						
<b>Operation</b>						
Natural Gas Well Head Purchases	800.0	-	-	-	-	-
Natural Gas Well Head Purchases, Intercompany Trans.	801.0	-	-	-	-	-
Natural Gas Gasoline Plant Outlet Purchases	802.0	-	-	-	-	-
Natural Gas Transmission Line Purchases	803.0	-	-	-	-	-
Natural Gas City Gate Purchases	804.0	212,124	236,997	189,347	193,571	199,378
Liquefied Natural Gas Purchases	804.1	-	-	-	-	-
Other Gas Purchases	805.0	779	1,491	701	775	798
Purchases Gas Cost Adjustments	805.1	(27,537)	(35,392)	(14,202)	(46,825)	(55,539)
Exchange Gas	806.0	-	-	-	-	-
Purchased Gas Expenses	807.0	-	-	-	-	-
Gas Withdrawn from Storage-Debit	808.1	41,014	48,692	54,471	26,281	27,069
Gas Delivered to Storage-Credit	808.2	(53,116)	(51,649)	(37,043)	(30,117)	(31,021)
Withdrawals of Liquefied Nat. Gas Held for Processing	809.1	-	-	-	-	-
Deliveries of Natural Gas for Processing	809.2	-	-	-	-	-
Gas Used for Compressor Station Fuel-Credit	810.0	-	-	-	-	-
Gas Used for Products Extraction-Credit	811.0	-	-	-	-	-
Gas Used for Other Utility Operations-Credit	812.0	(490)	(517)	(431)	(669)	(689)
Other Gas Supply Expenses	813.0	6,200	66,189	49,085	1,801	1,855
<b>Gas Supply Operation Expenses</b>		<u>178,974</u>	<u>265,811</u>	<u>241,928</u>	<u>144,817</u>	<u>141,851</u>
<b>Natural Gas Storage, Terminating &amp; Processing Exp.</b>						
<b>Underground Storage Expenses</b>						
Operation Supervision and Engineering	814.0	-	-	-	-	-
Maps and Records	815.0	-	-	-	-	-
Wells Expenses	816.0	-	-	-	-	-
Lines Expenses	817.0	-	-	-	-	-
Compressor Station Expenses	818.0	-	-	-	-	-
Compressor Station Fuel and Power	819.0	-	-	-	-	-
Measuring and Regulating Station Expenses	820.0	-	-	-	-	-
Purification Expenses	821.0	-	-	-	-	-
Exploration and Development	822.0	-	-	-	-	-
Gas Losses	823.0	-	-	-	-	-
Other Expenses	824.0	-	-	-	-	-
Storage Well Royalties	825.0	-	-	-	-	-
Rents	826.0	-	-	-	-	-
<b>Total Underground Storage Expenses</b>		<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
<b>Maintenance</b>						
Maintenance Supervision and Engineering	830.0	-	-	-	-	-
Maintenance of Structures and Improvements	831.0	-	-	-	-	-
Maintenance of Reservoirs and Wells	832.0	-	-	-	-	-
Maintenance of Lines	833.0	-	-	-	-	-
Maintenance of Compressor Station Equipment	834.0	-	-	-	-	-
Maintenance of Measuring & Regulating Station Equip.	835.0	-	-	-	-	-
Maintenance of Purification Equipment	836.0	-	-	-	-	-
Maintenance of Other Equipment	837.0	-	-	-	-	-
<b>Total Underground Maintenance Expenses</b>		<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
<b>Other Storage Expenses</b>						
<b>Operation</b>						
Operating Supervision and Engineering	840.0	-	-	-	-	-
Operation Labor and Expenses	841.0	-	-	-	-	-
Rents	842.0	-	-	-	-	-
Fuel	842.1	-	-	-	-	-
Power	842.2	-	-	-	-	-
Gas Losses	842.3	-	-	-	-	-
<b>Storage Operation Expenses</b>		<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>

**UGI Utilities, Inc. - Gas Division**  
**Statement of Operation and Maintenance Expenses**  
**12 Months Ended September 30, 2013, 2014, 2015, 2016, 2017**  
(Thousands of Dollars)

<u>Title of Account</u>	<u>Acct. No.</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>
<b>Maintenance</b>						
Maintenance Supervision and Engineering	843.1	-	-	-	-	-
Maintenance of Structures and Improvements	843.2	-	-	-	-	-
Maintenance of Gas Holders	843.3	-	-	-	-	-
Maintenance of Purification Equipment	843.4	-	-	-	-	-
Maintenance of Liquefaction Equipment	843.5	-	-	-	-	-
Maintenance of Vaporizing Equipment	843.6	-	-	-	-	-
Maintenance of Compressor Equipment	843.7	-	1	-	-	-
Maintenance of Measuring and Regulatory Equipment	843.8	-	-	-	-	-
Maintenance of Other Equipment	843.9	-	-	-	-	-
<b>Storage Maintenance Expenses</b>		<u>-</u>	<u>1</u>	<u>-</u>	<u>-</u>	<u>-</u>
<b>LIQUEFIED NATURAL GAS TERMINATING AND PROCESSING EXPENSES</b>						
<b>Operation</b>						
Operation Supervision and Engineering	844.1	-	-	-	-	-
LNG Processing Terminal Labor and Expenses	844.2	-	-	-	-	-
Liquefaction Processing Labor and Expenses	844.3	-	-	-	-	-
LNG Transportation Labor and Expenses	844.4	-	-	-	-	-
Measuring and Regulating Labor and Expenses	844.5	-	-	-	-	-
Compressor Station Labor and Expenses	844.6	-	-	-	-	-
Communication System Expenses	844.7	-	-	-	-	-
System Control and Load Dispatching	844.8	-	-	-	-	-
Fuel	845.1	-	-	-	-	-
Power	845.2	-	-	-	-	-
Rents	845.3	-	-	-	-	-
Demurrage Charges	845.4	-	-	-	-	-
Warfare Receipts-Credit	845.5	-	-	-	-	-
Processing Liquefied or Vaporized Gas by Others	845.6	-	-	-	-	-
Gas Losses	846.1	-	-	-	-	-
Other Expenses	846.2	-	-	-	-	-
<b>Total Liq. N.G. Term &amp; Proc. Operation Expenses</b>		<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
<b>Maintenance</b>						
Maintenance Supervision and Engineering	847.1	-	-	-	-	-
Maintenance of Structures and Improvements	847.2	-	-	-	-	-
Maintenance of LNG Processing Terminal Equipment	847.3	-	-	-	-	-
Maintenance of LNG Transportation Equipment	847.4	-	-	-	-	-
Maintenance of Measuring and Regulating Equipment	847.5	-	-	-	-	-
Maintenance of Compressor Station Equipment	847.6	-	-	-	-	-
Maintenance of Communication Equipment	847.7	-	-	-	-	-
Maintenance of Other Equipment	847.8	-	-	-	-	-
<b>Total Liq. N.G. Term. Proc. Maintenance Expenses</b>		<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
<b>TRANSMISSION EXPENSES</b>						
<b>Operation</b>						
Operating Supervision and Engineering	850.0	-	-	-	10	10
System Control and Load Dispatching	851.0	-	-	-	-	-
Communication System Expenses	852.0	-	-	-	-	-
Compressor Station Labor and Expenses	853.0	-	-	-	-	-
Gas for Compressor Station Fuel	854.0	-	-	-	-	-
Other Fuel and Power for Compressor Stations	855.0	-	-	-	-	-
Mains Expenses	856.0	7	22	61	33	33
Measuring and Regulating Station Expenses	857.0	-	-	27	-	-
Transmission and Compression of gas by Others	858.0	-	-	-	-	-
Other Expenses	859.0	31	221	204	228	231
Rents	860.0	-	-	-	-	-
<b>Total Transmission Operation Expenses</b>		<u>38</u>	<u>243</u>	<u>292</u>	<u>271</u>	<u>274</u>

**UGI Utilities, Inc. - Gas Division**  
**Statement of Operation and Maintenance Expenses**  
**12 Months Ended September 30, 2013, 2014, 2015, 2016, 2017**  
**(Thousands of Dollars)**

<u>Title of Account</u>	<u>Acct.</u> <u>No.</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>
<b>Maintenance</b>						
Maintenance Supervision and Engineering	861.0	-	-	-	-	-
Maintenance of Structures and Improvements	862.0	-	-	4	3	3
Maintenance of Mains	863.0	112	150	604	679	703
Maintenance of Compressor Station Equipment	864.0	-	-	-	-	-
Maintenance of Measuring and Regulating Station Equip.	865.0	3	4	1	-	1
Maintenance of Communication Equipment	866.0	-	-	-	-	-
Maintenance of Other Equipment	867.0	-	-	-	-	-
<b>Total Transmission Maintenance Expenses</b>		<u>115</u>	<u>154</u>	<u>609</u>	<u>682</u>	<u>707</u>
<b>DISTRIBUTION EXPENSES</b>						
<b>Operations Expense</b>						
Operation Supervision and Engineering	870.0	2,061	2,320	2,504	2,305	2,370
Distribution Load Dispatching	871.0	438	468	460	535	549
Compressor Station Labor and Expenses	872.0	-	-	-	-	-
Compressor Station Fuel and Power (Major Only)	873.0	284	1	-	1	1
Mains and Services Expenses	874.0	7,649	9,338	10,396	9,944	10,420
Measuring and Regulating Station Expenses-General	875.0	684	546	514	413	423
Measuring and Regulating Station Expenses-Industrial	876.0	309	364	437	406	415
Measuring and Regulating Station Expenses-City Gate	877.0	91	116	168	339	346
Meter and House Regulator Expenses	878.0	1,932	1,792	1,950	1,895	1,944
Customer Installations Expenses	879.0	1,416	1,397	1,421	1,239	1,271
Other Expenses	880.0	2,565	2,738	2,916	2,737	2,802
Rents	881.0	66	70	71	68	69
<b>Total Distribution Operation Expenses</b>		<u>17,495</u>	<u>19,150</u>	<u>20,837</u>	<u>19,882</u>	<u>20,610</u>
<b>Maintenance Expense</b>						
Maintenance Supervision and Engineering	885.0	873	826	775	758	779
Maintenance of Structures and Improvements	886.0	34	5	7	-	-
Maintenance of Mains	887.0	9,216	9,838	9,901	10,876	11,094
Maintenance of Compressor Station Equipment	888.0	-	-	-	-	-
Maintenance of Measuring & Reg. Station Equip.-Genl.	889.0	170	203	242	163	166
Maintenance of Measuring & Reg. Station Equip.-Indtrl.	890.0	296	237	299	236	241
Maintenance of Measuring & Reg. Station Equip.-City G	891.0	289	454	588	425	434
Maintenance of Services	892.0	1,837	1,620	1,642	1,595	1,631
Maintenance of Meters & House Regulators	893.0	968	666	616	599	613
Maintenance of Other Equipment	894.0	66	137	121	100	102
Construction & Maintenance	895.0	(133)	(130)	(111)	(174)	(176)
<b>Total Distribution Maintenance Expenses</b>		<u>13,616</u>	<u>13,856</u>	<u>14,080</u>	<u>14,578</u>	<u>14,884</u>
<b>CUSTOMER ACCOUNTS EXPENSES</b>						
<b>Operations</b>						
Supervision	901.0	482	498	484	409	421
Meter Reading Expenses	902.0	1,077	1,020	929	907	994
Customer Records & Collection Expenses	903.0	8,989	8,629	8,918	8,109	8,300
Uncollectable Accounts	904.0	4,800	6,580	6,368	4,569	4,706
Miscellaneous Customer Accounts Expenses	905.0	319	382	422	353	358
<b>Customer Account Operations Expenses</b>		<u>15,667</u>	<u>17,109</u>	<u>17,121</u>	<u>14,347</u>	<u>14,779</u>
<b>CUSTOMER SERVICE &amp; INFORM. EXPENSES</b>						
<b>Operations</b>						
Supervision	907.0	204	139	126	159	163
Customer Assistance Expenses	908.0	898	913	928	928	954
Informational & Instructional Advertising Expenses	909.0	519	520	534	697	721
Miscellaneous Customer Service & Informational Exp.	910.0	210	164	150	114	116
<b>Total Cust. Service &amp; Inform. Operations Exp</b>		<u>1,831</u>	<u>1,736</u>	<u>1,738</u>	<u>1,898</u>	<u>1,954</u>

**UGI Utilities, Inc. - Gas Division**  
**Statement of Operation and Maintenance Expenses**  
**12 Months Ended September 30, 2013, 2014, 2015, 2016, 2017**  
(Thousands of Dollars)

<u>Title of Account</u>	<u>Acct. No.</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>
<b>SALES EXPENSES</b>						
<b>Operation</b>						
Supervision	911.0	-	-	-	-	-
Demonstrating and Selling Expenses	912.0	635	686	718	684	708
Advertising Expenses	913.0	437	321	169	109	111
(Reserved)	914.0	-	-	-	-	-
(Reserved)	915.0	-	-	-	-	-
Miscellaneous Sales Expenses	916.0	51	82	92	103	104
<b>Total Operation Sales Expenses</b>		<u>1,123</u>	<u>1,089</u>	<u>979</u>	<u>896</u>	<u>923</u>
<b>ADMINISTRATIVE AND GENERAL EXPENSES</b>						
<b>Operation</b>						
Administrative and General Salaries	920.0	5,775	8,306	9,846	8,903	9,163
Office Supplies and Expenses	921.0	5,304	7,113	8,044	9,211	9,636
Administrative Expenses Transferred-Credit	922.0	-	-	-	-	-
Outside Service Employed	923.0	6,721	9,090	10,739	9,287	9,709
Property Insurance	924.0	104	75	171	110	112
Injuries and Damages	925.0	2,693	3,602	3,314	4,061	4,128
Employee Pensions and Benefits	926.0	16,657	12,054	9,810	14,000	14,250
Franchise Requirements	927.0	-	-	-	-	-
Regulatory Commission Expenses	928.0	-	-	-	-	-
Duplicate Charges-Credit	929.0	-	-	-	-	-
General Advertising Expenses	930.1	481	543	538	668	678
Miscellaneous General Expenses	930.2	1,985	1,888	2,394	1,785	1,811
Rents	931.0	208	262	387	273	277
<b>Total A &amp; G Operation Expenses</b>		<u>39,928</u>	<u>42,933</u>	<u>45,243</u>	<u>48,298</u>	<u>49,764</u>
<b>Maintenance</b>						
Maintenance of General Plant	932.0	219	1,323	1,504	1,410	1,433
Maintenance of General Plant	935.0	1,162	307	131	12	12
<b>Total A &amp; G Maintenance Expenses</b>		<u>1,381</u>	<u>1,630</u>	<u>1,635</u>	<u>1,422</u>	<u>1,445</u>
<b>Total Gas Operation and Maintenance Expenses</b>		<u>\$ 270,322</u>	<u>\$ 363,758</u>	<u>\$ 344,532</u>	<u>\$ 247,157</u>	<u>\$ 247,259</u>
<b>Total Gas Operation Expenses</b>		<u>\$ 255,184</u>	<u>\$ 348,116</u>	<u>\$ 328,208</u>	<u>\$ 230,475</u>	<u>\$ 230,223</u>
<b>Total Gas Maintenance Expenses</b>		<u>15,138</u>	<u>15,642</u>	<u>16,324</u>	<u>16,682</u>	<u>17,036</u>
<b>Total Gas Operation and Maintenance Expenses</b>		<u>\$ 270,322</u>	<u>\$ 363,758</u>	<u>\$ 344,532</u>	<u>\$ 247,157</u>	<u>\$ 247,259</u>

UGI Utilities, Inc. - Gas Division  
Docket No. R-2015-2518438  
2016 Base Rate Case  
Responses to Section 53.53 - III-E - Balance Sheet and  
Operating Statement - Gas Utilities  
Delivered on January 19, 2016

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III-E-35

Request:

Submit a schedule showing the Gross Receipts Tax Base used in computing Pennsylvania Gross Receipts Tax Adjustment.

Response:

Not applicable.

Prepared by or under the supervision of: Nicole M. McKinney

UGI Utilities, Inc. - Gas Division  
Docket No. R-2015-2518438  
2016 Base Rate Case  
Responses to Section 53.53 - III-E - Balance Sheet and  
Operating Statement - Gas Utilities  
Delivered on January 19, 2016

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III-E-36

Request:

State the amount of gas, in mcf, obtained through various suppliers in past years.

Response:

Please refer to Attachment III-E-36.

Prepared by or under the supervision of: Ann P. Kelly



UGI Utilities, Inc - Gas Division  
Sources of Gas Supply (MCF) for Fiscal Year Ended September 30.

<u>Vendor/Description</u>	<u>2014</u>	<u>2015</u>
A	10,226,688	12,158,939
B	7,692,278	8,324,847
C	4,473,281	4,130,908
D	397,614	3,488,317
E	4,169,052	2,789,034
F	2,837,972	2,406,290
G	15,125	1,781,768
H	6,739,984	1,629,837
I	703,063	1,482,276
J	16,618	1,252,098
K	917,741	-
L	-	889,673
M	8,604	590,703
N	413,209	-
O	321,499	397,717
P	54,850	384,237
Q	174,377	349,689
R	151,140	-
S	118,563	-
T	87,028	-
U	-	71,960
V	-	46,021
W	1,820,969	34,622
X	23,064	-
Y	-	11,409
Z	-	9,772
AA	4,780	-
BB	1,837	-
CC	42	1,472
DD	5,084	1,402
EE	317	1,049
FF	319	-
GG	-	317
HH	309	-
II	-	157
LL	-	126
MM	-	115
NN	176	112
OO	-	100
PP	67	-
QQ	8	-
RR	-	12
SS	-	3
<b>TOTAL PURCHASES</b>	<b><u>41,375,658</u></b>	<b><u>42,234,982</u></b>
<b>TOTAL TRANSPORTATION DELIVERIES</b>	<b><u>89,356,603</u></b>	<b><u>96,803,849</u></b>
<b>STORAGE WITHDRAWALS</b>		
ANR - FSS Withdrawal	2,523,282	2,555,125
Columbia - FSS Withdrawal	5,621,436	7,098,182
Columbia - FSS II Withdrawal	1,296,495	1,047,348
Transco - GSS Withdrawal	97,633	98,365
Transco - SS-2 Withdrawal	749,131	754,305
Transco - ESS Withdrawal	12,306	0
Dominion GSS TE - Withdrawal	740,654	742,832
Egan Hub - Withdrawal	27,025	337,861
Dominion GSS - Withdrawal	637,316	639,185
<b>TOTAL STORAGE WITHDRAWALS</b>	<b><u>11,705,278</u></b>	<b><u>13,273,203</u></b>
<b>STORAGE INJECTIONS</b>		
ANR - FSS Injection	2,654,289	2,678,687
Columbia - FSS Injection	5,875,080	8,120,312
Columbia - FSS II Injection	1,279,237	136,938
Transco - GSS Injection	101,131	101,219
Transco - SS-2 Injection	762,788	764,185
Transco - ESS Injection	1,779	0
Dominion GSS TE - Injection	757,295	757,998
Egan Hub - Injection	346,413	481,165
Dominion GSS - Injection	638,589	639,185
<b>TOTAL STORAGE INJECTIONS</b>	<b><u>12,416,601</u></b>	<b><u>13,679,689</u></b>

UGI Utilities, Inc. - Gas Division  
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III-E-37

Request:

In determining pro forma expense, exclude cost of gas adjustments applicable to fuel adjustment clause and exclude fuel adjustment clause revenues, so that the operating statement is on the basis of base rates only.

Response:

Please refer to UGI Exhibit A (Historic), UGI Exhibit A (Future) and UGI Exhibit A (Fully Projected), Schedule D-6.

Prepared by or under the supervision of: Ann P. Kelly

UGI Utilities, Inc. - Gas Division  
Docket No. R-2015-2518438  
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III-E-38

Request:

Identify company's policy with respect to replacing customers lost through attrition.

Response:

The Company actively seeks opportunities to add new customers including new construction and conversion customers and adds these customers to the extent they meet the requirements of the Company's Tariff.

Prepared by or under the supervision of: Robert R. Stoyko

UGI Utilities, Inc. - Gas Division  
Docket No. R-2015-2518438  
2016 Base Rate Case  
Responses to Section 53.53 - III-E - Balance Sheet and  
Operating Statement - Gas Utilities  
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III-E-39

Request:

Identify procedures developed to govern relationship between the respondent and potential customers--i.e., basically expansion, alternate energy requirements, availability of supply, availability of distribution facilities, ownership of metering and related facilities.

Response:

Please refer to Rule 5, Extension Regulation, of the current UGI Tariff Gas - Pa. P.U.C. No. 5 and proposed Rule 5, Extension Regulation, UGI Tariff Gas - Pa. P.U.C. No. 6.

Prepared by or under the supervision of: David E. Lahoff

**SECTION 53.53 – RATE STRUCTURE**

UGI Utilities, Inc. - Gas Division  
Docket No. R-2015-2518438  
2016 Base Rate Case  
Responses to Section 53.53 - IV-B - Rate Structure - Gas Utilities  
Delivered on January 19, 2016

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IV-B-1

Request:

Provide a Cost of Service Study showing the rate of return under the present and proposed tariffs for all customer classifications. The study should include a summary of the allocated measures of value, operating revenues, operating expenses and net return for each of the customer classifications at original cost and at the 5-year trended original cost.

a. (Reserved)

Response:

Please refer to UGI Gas Exhibit D. The net return for each classification is not provided for the 5-year trended original cost since trended original cost was not determined or claimed for this case.

Prepared by or under the supervision of: Paul R. Herbert

UGI Utilities, Inc. - Gas Division  
Docket No. R-2015-2518438  
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Responses to Section 53.53 - IV-B - Rate Structure - Gas Utilities  
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IV-B-2

Request:

Provide a statement of testimony describing the complete methodology of the cost of service study.

Response:

Please see the Direct Testimony of Paul R. Herbert, UGI Gas Statement No. 4.

Prepared by or under the supervision of: Paul R. Herbert

UGI Utilities, Inc. - Gas Division  
Docket No. R-2015-2518438  
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IV-B-3

Request:

Provide a complete description and back-up calculations for all allocation factors.

Response:

Please see UGI Gas Exhibit D.

Prepared by or under the supervision of: Paul R. Herbert



UGI Utilities, Inc. - Gas Division  
Docket No. R-2015-2518438  
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IV-B-4

Request:

Provide an exhibit for each customer classification showing the following data for the test year and the four previous years:

- a. The maximum coincident peak day demand.
- b. The maximum coincident 3-day peak day demand.
- c. The average monthly consumption in MCF during the Primary Heating Season (November-March).
- d. The average monthly consumption in MCF during the Non-heating season (April-October).
- e. The average daily consumption in MCF for each 12-month period.

Response:

Please see Attachments IV-B-4(A) through IV-B-4(E).

Prepared by or under the supervision of: Paul J. Szykman

**UGI Utilities, Inc. - Gas Division  
Coincident Peak Day Demand**

Winter Season	Peak Day Date	Volume (Mdt)
2014-2015	1/13/2015	688.6
2013-2014	2/27/2014	692.3
2012-2013	2/20/2013	633.9
2011-2012	1/3/2012	611.0
2010-2011	3/3/2011	550.1

**UGI Utilities, Inc. - Gas Division**  
**Coincident 3-Day Peak Demand**  
**Sendout By Rate Class**

	2010-2011			2011-2012			2012-2013			2013-2014			2014-2015		
	JAN 22 (MDTH)	JAN 23 (MDTH)	JAN 24 (MDTH)	JAN 3 (MDTH)	JAN 4 (MDTH)	JAN 5 (MDTH)	FEB 19 (MDTH)	FEB 20 (MDTH)	FEB 21 (MDTH)	MAR 3 (MDTH)	MAR 4 (MDTH)	MAR 5 (MDTH)	JAN 5 (MDTH)	JAN 6 (MDTH)	JAN 7 (MDTH)
RG	3.5	3.6	3.4	3.5	3.3	2.9	3.0	4.0	3.6	4.9	4.0	2.1	2.7	3.0	3.8
RH	179.4	186.0	176.1	163.2	154.0	135.5	135.2	175.8	158.9	238.5	196.7	100.4	167.8	192.2	239.1
CG	2.5	2.6	2.5	2.4	2.3	2.0	2.0	2.6	2.3	4.1	3.4	1.7	2.2	2.5	3.1
CH	67.9	70.4	66.7	61.5	58.1	51.1	48.8	63.4	57.3	90.5	74.6	38.1	70.9	81.2	101.0
IG	0.4	0.4	0.3	0.8	0.7	0.6	0.2	0.2	0.2	0.3	0.3	0.1	0.2	0.2	0.3
III	5.6	5.9	5.5	5.1	1.0	4.3	4.4	5.7	5.1	6.4	5.3	2.7	5.2	6.0	7.4
PGC FIRM	259.3	268.8	254.5	236.6	223.3	196.5	193.5	251.7	227.5	344.7	284.3	145.1	248.9	285.2	354.7
RT (CHOICE)	8.5	8.8	8.6	10.8	10.9	11.0	17.3	17.2	17.0	22.2	21.9	21.6	22.6	23.0	23.4
NT (CHOICE)	53.4	55.4	54.0	39.2	39.7	40.1	45.7	45.3	44.8	46.1	45.4	44.8	44.5	45.3	46.1
BD/BDL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DS	25.7	26.7	25.2	23.0	21.8	19.1	26.3	34.2	30.9	53.4	44.0	22.5	30.9	35.4	44.0
LFD	33.4	34.6	32.8	39.6	37.4	32.9	38.5	42.1	40.1	50.9	49.0	47.2	50.7	53.7	56.4
XD-F/CDS-F	37.0	38.4	36.4	40.9	38.6	33.9	34.6	35.7	36.1	38.8	37.9	37.8	50.0	49.7	51.1
FIRM TRANSPORTATION	158.1	163.9	157.0	153.5	148.3	137.0	162.4	174.6	168.9	211.4	198.2	173.9	198.7	207.0	221.0
INTERRUPTIBLE	72.0	87.0	93.2	220.9	225.9	222.0	199.9	207.6	202.6	119.8	157.2	305.4	199.2	176.1	83.5
TOTAL	489.3	519.7	504.7	611.0	597.4	555.4	555.8	633.9	599.0	675.9	639.7	624.4	646.9	668.3	659.2

**UGI Utilities, Inc - Gas Division**  
**Average Monthly Consumption for Primary Heating Season (Mcf)**

	Residential General	General Lighting	Residential Heat	Residential Choice	Commercial General	Commercial Lighting	Commercial AC	Commercial Heat	Commercial Choice	Industrial General	Industrial Heat
Nov	54,592	36	2,263,990	243,314	42,162	83	(1,438)	793,486	737,644	3,691	53,547
Dec	71,797	38	3,146,631	362,958	51,993	90	0	1,260,416	1,108,503	5,222	95,487
Jan	76,314	38	4,133,241	499,303	55,420	90	0	1,631,371	1,389,059	7,662	126,846
Feb	68,854	36	3,450,288	485,506	52,176	84	0	1,337,305	1,267,053	5,094	129,040
Mar	63,915	36	2,688,820	387,413	49,503	85	143	943,931	991,057	3,741	74,670

**UGI Utilities, Inc - Gas Division**  
**Average Monthly Consumption for Primary Non-Heating Season (Mcf)**

	Residential General	General Lighting	Residential Heat	Residential Choice	Commercial General	Commercial Lighting	Commercial AC	Commercial Heat	Commercial Choice	Industrial General	Industrial Heat
Apr	48,154	35	1,234,582	193,569	39,281	85	3,756	427,705	561,037	1,749	38,864
May	36,186	35	509,113	68,825	33,376	84	1,865	219,871	333,649	787	18,307
Jun	28,231	36	416,726	46,175	28,742	87	1,532	156,870	238,570	602	7,074
Jul	25,929	36	334,564	48,109	28,018	87	1,564	125,358	226,870	992	8,019
Aug	26,271	34	313,579	46,506	28,717	83	1,576	130,890	255,129	756	8,776
Sep	27,713	36	532,470	63,507	29,298	87	1,389	184,486	247,757	1,520	9,320
Oct	36,830	34	955,698	139,482	35,442	83	1,180	295,618	430,467	3,766	20,013

**UGI Utilities, Inc - Gas Division**  
**Average Daily Consumption for 12-Month Period (Mcf)**

	Residential General	General Lighting	Residential Heat	Residential Choice	Commercial General	Commercial Lighting	Commercial AC	Commercial Heat	Commercial Choice	Industrial General	Industrial Heat
11/1/2010-10/31/2011	52,358	39	1,747,044	85,113	42,675	86	1,654	638,666	612,678	3,483	52,454
11/1/2011-10/31/2012	46,737	37	1,317,125	142,837	36,906	86	1,415	469,297	584,495	3,748	41,357
11/1/2012-10/31/2013	47,686	35	1,608,266	225,720	37,035	86	714	578,031	656,279	1,867	48,816
11/1/2013-10/31/2014	45,752	34	1,794,043	299,602	40,351	86	554	695,355	696,980	2,625	48,189
11/1/2014-10/31/2015	42,794	34	1,858,398	323,672	40,587	86	482	746,696	694,066	3,103	55,002

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IV-B-5

Request:

Submit a Bill Frequency Analysis for each rate. The analysis should include the rate schedule and block interval, the number of bills at each interval, the cumulative number of bills at each interval, the Mcf or therms at each interval, the cumulative Mcf or therms at each interval, the accumulation of Mcf or therms passing through each interval, and the revenue at each interval for both the present rate and the proposed rates. The Analysis should show only those revenues collected from the basic tariff.

Response:

Please see Attachment IV-B-5 contained on CD.

Prepared by or under the supervision of: David E. Lahoff

UGI Utilities, Inc. - Gas Division  
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Responses to Section 53.53 - IV-B - Rate Structure - Gas Utilities  
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IV-B-6

Request:

Supply copies of all present and proposed Gas Tariffs.

Response:

Please see UGI Gas Exhibit F - Current Tariff and UGI Gas Exhibit F - Proposed Tariff.

Prepared by or under the supervision of: David E. Lahoff



UGI Utilities, Inc. - Gas Division  
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IV-B-7

Request:

Supply a graph of present and proposed base rates on hyperbolic cross section paper.

Response:

Please see Attachment IV-B-7.

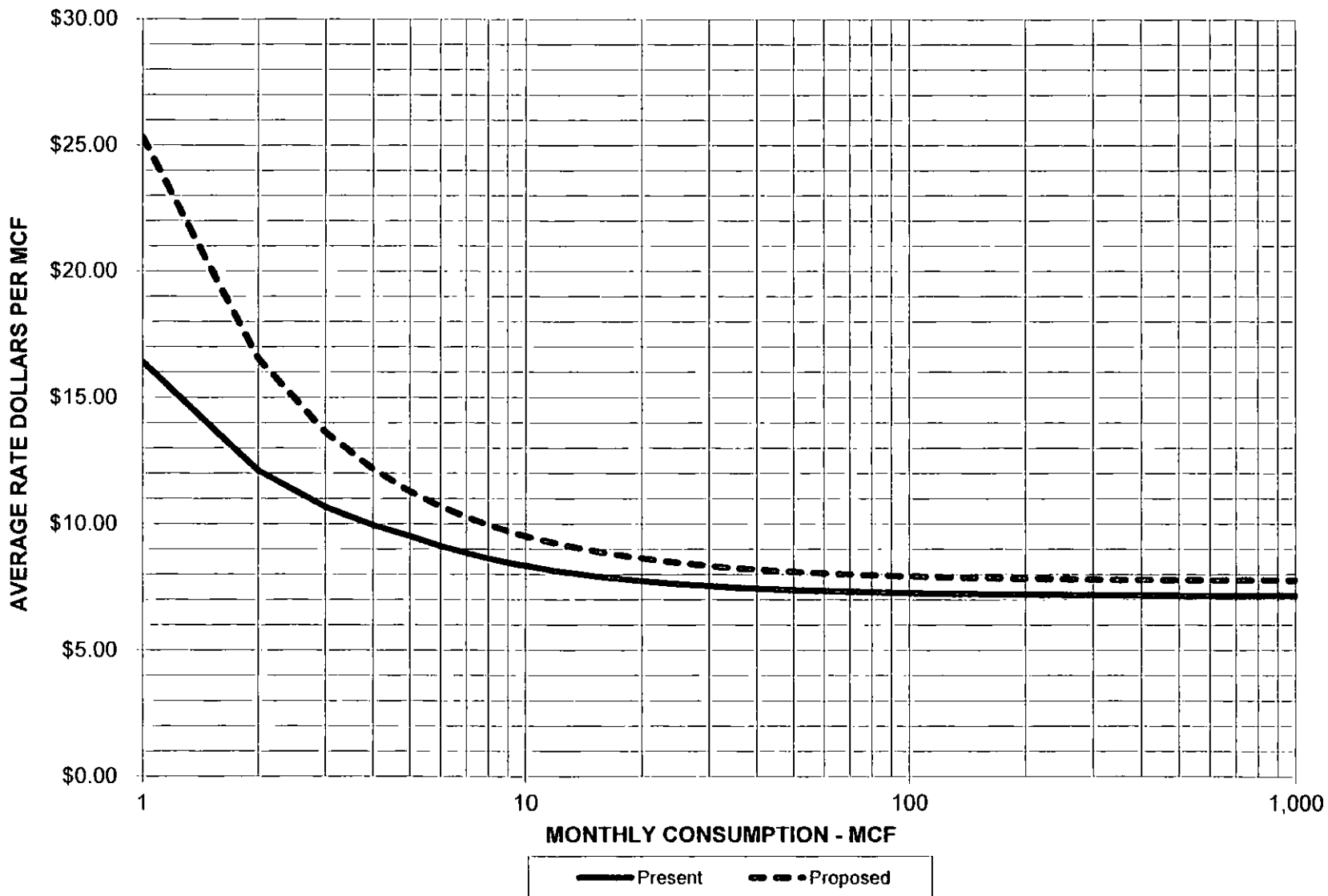
Prepared by or under the supervision of: David E. Lahoff

**UGI Utilities, Inc. - Gas Division**  
**Residential Service - Rate Schedule R**  
**Calculation of the Effect of Proposed Rates**

<u>MCF</u>	<u>Bills Under Present Rates</u>	<u>Bills Under Proposed Rates</u>	<u>Increase Amount</u>	<u>Increase Percent</u>
-	\$ 8.60	\$ 17.55	\$ 8.95	104.1%
1	\$ 16.39	\$ 25.30	\$ 8.92	54.4%
2	\$ 24.18	\$ 33.06	\$ 8.88	36.7%
3	\$ 31.97	\$ 40.82	\$ 8.85	27.7%
4	\$ 39.76	\$ 48.58	\$ 8.81	22.2%
5	\$ 47.56	\$ 56.33	\$ 8.78	18.5%
6	\$ 54.70	\$ 64.07	\$ 9.37	17.1%
7	\$ 61.85	\$ 71.82	\$ 9.97	16.1%
8	\$ 69.00	\$ 79.56	\$ 10.56	15.3%
9	\$ 76.14	\$ 87.30	\$ 11.16	14.7%
10	\$ 83.29	\$ 95.04	\$ 11.75	14.1%
11	\$ 90.44	\$ 102.79	\$ 12.35	13.7%
12	\$ 97.58	\$ 110.53	\$ 12.94	13.3%
13	\$ 104.73	\$ 118.27	\$ 13.54	12.9%
14	\$ 111.88	\$ 126.01	\$ 14.14	12.6%
15	\$ 119.03	\$ 133.76	\$ 14.73	12.4%
16	\$ 126.17	\$ 141.50	\$ 15.33	12.1%
17	\$ 133.32	\$ 149.24	\$ 15.92	11.9%
18	\$ 140.47	\$ 156.98	\$ 16.52	11.8%
19	\$ 147.61	\$ 164.73	\$ 17.11	11.6%
20	\$ 154.76	\$ 172.47	\$ 17.71	11.4%
25	\$ 190.49	\$ 211.18	\$ 20.68	10.9%
30	\$ 226.23	\$ 249.89	\$ 23.66	10.5%
35	\$ 261.96	\$ 288.60	\$ 26.64	10.2%
40	\$ 297.70	\$ 327.32	\$ 29.62	9.9%
45	\$ 333.43	\$ 366.03	\$ 32.59	9.8%
50	\$ 369.17	\$ 404.74	\$ 35.57	9.6%
60	\$ 440.64	\$ 482.16	\$ 41.53	9.4%
70	\$ 512.11	\$ 559.59	\$ 47.48	9.3%
80	\$ 583.58	\$ 637.01	\$ 53.43	9.2%
90	\$ 655.05	\$ 714.43	\$ 59.39	9.1%
100	\$ 726.51	\$ 791.86	\$ 65.34	9.0%
125	\$ 905.19	\$ 985.42	\$ 80.23	8.9%
150	\$ 1,083.86	\$ 1,178.98	\$ 95.11	8.8%
200	\$ 1,441.21	\$ 1,566.09	\$ 124.89	8.7%
250	\$ 1,798.55	\$ 1,953.21	\$ 154.66	8.6%
300	\$ 2,155.90	\$ 2,340.33	\$ 184.43	8.6%
400	\$ 2,870.59	\$ 3,114.57	\$ 243.97	8.5%
500	\$ 3,585.29	\$ 3,888.80	\$ 303.52	8.5%
1,000	\$ 7,158.75	\$ 7,759.99	\$ 601.24	8.4%

UGI Utilities, Inc.- Gas Division  
Comparison of Present and Proposed Rates  
Rate Schedule R

Attachment IV-B-7  
D. Lahoff  
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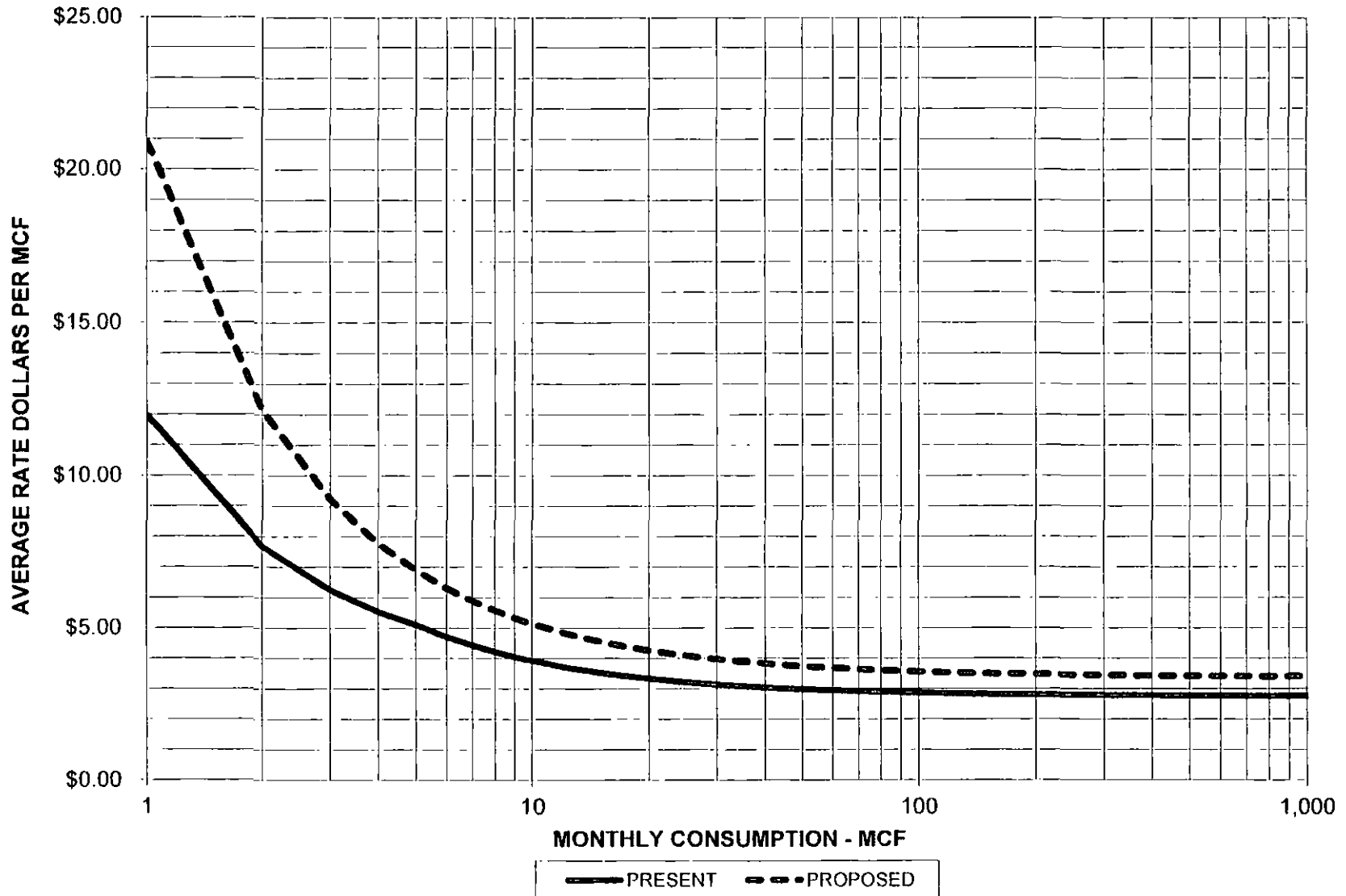


**UGI Utilities, Inc. - Gas Division**  
**Residential Transportation Service - Rate Schedule RT**  
**Calculation of the Effect of Proposed Rates**

<b>MCF</b>	<b>Bills Under Present Rates</b>	<b>Bills Under Proposed Rates</b>	<b>Increase Amount</b>	<b>Increase Percent</b>
-	\$ 8.55	\$ 17.50	\$ 8.95	104.7%
1	\$ 11.94	\$ 20.88	\$ 8.94	74.9%
2	\$ 15.33	\$ 24.27	\$ 8.93	58.2%
3	\$ 18.73	\$ 27.65	\$ 8.92	47.6%
4	\$ 22.12	\$ 31.03	\$ 8.91	40.3%
5	\$ 25.51	\$ 34.41	\$ 8.90	34.9%
6	\$ 28.26	\$ 37.80	\$ 9.54	33.8%
7	\$ 31.01	\$ 41.18	\$ 10.17	32.8%
8	\$ 33.75	\$ 44.56	\$ 10.81	32.0%
9	\$ 36.50	\$ 47.94	\$ 11.44	31.4%
10	\$ 39.25	\$ 51.33	\$ 12.08	30.8%
11	\$ 41.99	\$ 54.71	\$ 12.72	30.3%
12	\$ 44.74	\$ 58.09	\$ 13.35	29.8%
13	\$ 47.49	\$ 61.48	\$ 13.99	29.5%
14	\$ 50.24	\$ 64.86	\$ 14.62	29.1%
15	\$ 52.98	\$ 68.24	\$ 15.26	28.8%
16	\$ 55.73	\$ 71.62	\$ 15.89	28.5%
17	\$ 58.48	\$ 75.01	\$ 16.53	28.3%
18	\$ 61.23	\$ 78.39	\$ 17.16	28.0%
19	\$ 63.97	\$ 81.77	\$ 17.80	27.8%
20	\$ 66.72	\$ 85.15	\$ 18.43	27.6%
25	\$ 80.46	\$ 102.07	\$ 21.61	26.9%
30	\$ 94.19	\$ 118.98	\$ 24.79	26.3%
35	\$ 107.93	\$ 135.90	\$ 27.97	25.9%
40	\$ 121.67	\$ 152.81	\$ 31.14	25.6%
45	\$ 135.40	\$ 169.72	\$ 34.32	25.3%
50	\$ 149.14	\$ 186.64	\$ 37.50	25.1%
60	\$ 176.61	\$ 220.46	\$ 43.85	24.8%
70	\$ 204.09	\$ 254.29	\$ 50.21	24.6%
80	\$ 231.56	\$ 288.12	\$ 56.56	24.4%
90	\$ 259.03	\$ 321.95	\$ 62.92	24.3%
100	\$ 286.50	\$ 355.77	\$ 69.27	24.2%
125	\$ 355.19	\$ 440.34	\$ 85.16	24.0%
150	\$ 423.87	\$ 524.91	\$ 101.04	23.8%
200	\$ 561.23	\$ 694.05	\$ 132.81	23.7%
250	\$ 698.60	\$ 863.18	\$ 164.59	23.6%
300	\$ 835.96	\$ 1,032.32	\$ 196.36	23.5%
400	\$ 1,110.69	\$ 1,370.60	\$ 259.90	23.4%
500	\$ 1,385.42	\$ 1,708.87	\$ 323.45	23.3%
1,000	\$ 2,759.07	\$ 3,400.24	\$ 641.17	23.2%

UGI Utilities, Inc.- Gas Division  
Comparison of Present and Proposed Rates  
Rate Schedule RT

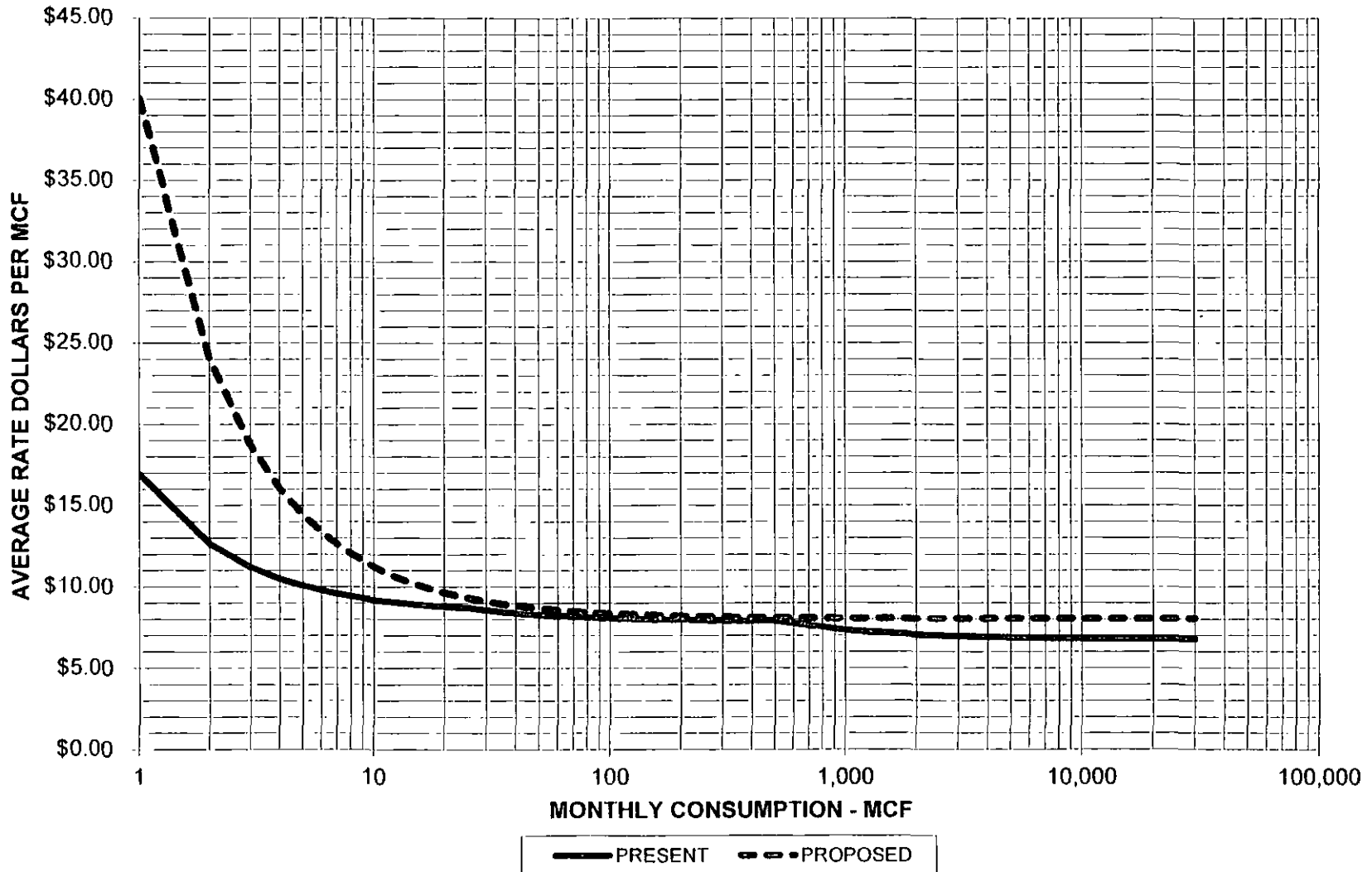
Attachment IV-B-7  
D. Lahoff  
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**UGI Utilities, Inc. - Gas Division**  
**Non-Residential Service - Rate Schedule N**  
**Calculation of the Effect of Proposed Rates**

<u>MCF</u>	<u>Bills Under Present Rates</u>	<u>Bills Under Proposed Rates</u>	<u>Increase Amount</u>	<u>Increase Percent</u>
-	\$ 8.55	\$ 32.00	\$ 23.45	274.3%
1	\$ 16.90	\$ 40.02	\$ 23.12	136.8%
2	\$ 25.25	\$ 48.04	\$ 22.80	90.3%
3	\$ 33.60	\$ 56.07	\$ 22.47	66.9%
4	\$ 41.94	\$ 64.09	\$ 22.14	52.8%
5	\$ 50.29	\$ 72.11	\$ 21.82	43.4%
6	\$ 58.64	\$ 80.13	\$ 21.49	36.6%
7	\$ 66.99	\$ 88.15	\$ 21.16	31.6%
8	\$ 75.34	\$ 96.18	\$ 20.84	27.7%
9	\$ 83.69	\$ 104.20	\$ 20.51	24.5%
10	\$ 92.03	\$ 112.22	\$ 20.19	21.9%
11	\$ 100.38	\$ 120.24	\$ 19.86	19.8%
12	\$ 108.73	\$ 128.26	\$ 19.53	18.0%
13	\$ 117.08	\$ 136.28	\$ 19.21	16.4%
14	\$ 125.43	\$ 144.31	\$ 18.88	15.1%
15	\$ 133.78	\$ 152.33	\$ 18.55	13.9%
16	\$ 142.12	\$ 160.35	\$ 18.23	12.8%
17	\$ 150.47	\$ 168.37	\$ 17.90	11.9%
18	\$ 158.82	\$ 176.39	\$ 17.57	11.1%
19	\$ 167.17	\$ 184.42	\$ 17.25	10.3%
20	\$ 175.52	\$ 192.44	\$ 16.92	9.6%
25	\$ 217.26	\$ 232.55	\$ 15.29	7.0%
30	\$ 256.52	\$ 272.66	\$ 16.14	6.3%
35	\$ 295.78	\$ 312.77	\$ 16.98	5.7%
40	\$ 335.05	\$ 352.88	\$ 17.83	5.3%
45	\$ 374.31	\$ 392.99	\$ 18.68	5.0%
50	\$ 413.57	\$ 433.09	\$ 19.52	4.7%
60	\$ 492.09	\$ 513.31	\$ 21.22	4.3%
70	\$ 570.62	\$ 593.53	\$ 22.91	4.0%
80	\$ 649.14	\$ 673.75	\$ 24.61	3.8%
90	\$ 727.67	\$ 753.97	\$ 26.30	3.6%
100	\$ 806.19	\$ 834.19	\$ 28.00	3.5%
125	\$ 1,002.50	\$ 1,034.74	\$ 32.23	3.2%
150	\$ 1,198.82	\$ 1,235.28	\$ 36.47	3.0%
200	\$ 1,591.44	\$ 1,636.38	\$ 44.94	2.8%
250	\$ 1,984.06	\$ 2,037.47	\$ 53.41	2.7%
300	\$ 2,376.68	\$ 2,438.57	\$ 61.88	2.6%
400	\$ 3,161.93	\$ 3,240.76	\$ 78.83	2.5%
500	\$ 3,947.18	\$ 4,042.95	\$ 95.77	2.4%
1,000	\$ 7,322.98	\$ 8,055.89	\$ 730.91	10.0%
2,000	\$ 14,074.57	\$ 16,075.78	\$ 2,001.21	14.2%
3,000	\$ 20,826.17	\$ 24,097.67	\$ 3,271.50	15.7%
4,000	\$ 27,577.77	\$ 32,119.56	\$ 4,541.79	16.5%
5,000	\$ 34,329.37	\$ 40,141.45	\$ 5,812.08	16.9%
6,000	\$ 41,080.97	\$ 48,163.34	\$ 7,082.37	17.2%
7,000	\$ 47,832.57	\$ 56,185.23	\$ 8,352.67	17.5%
8,000	\$ 54,584.16	\$ 64,207.12	\$ 9,622.96	17.6%
9,000	\$ 61,335.76	\$ 72,229.01	\$ 10,893.25	17.8%
10,000	\$ 68,087.36	\$ 80,250.90	\$ 12,163.54	17.9%
20,000	\$ 135,603.34	\$ 160,469.80	\$ 24,866.46	18.3%
30,000	\$ 203,119.33	\$ 240,686.70	\$ 37,569.38	18.5%

UGI Utilities, Inc. - Gas Division  
Comparison of Present and Proposed Rates  
Rate Schedule N



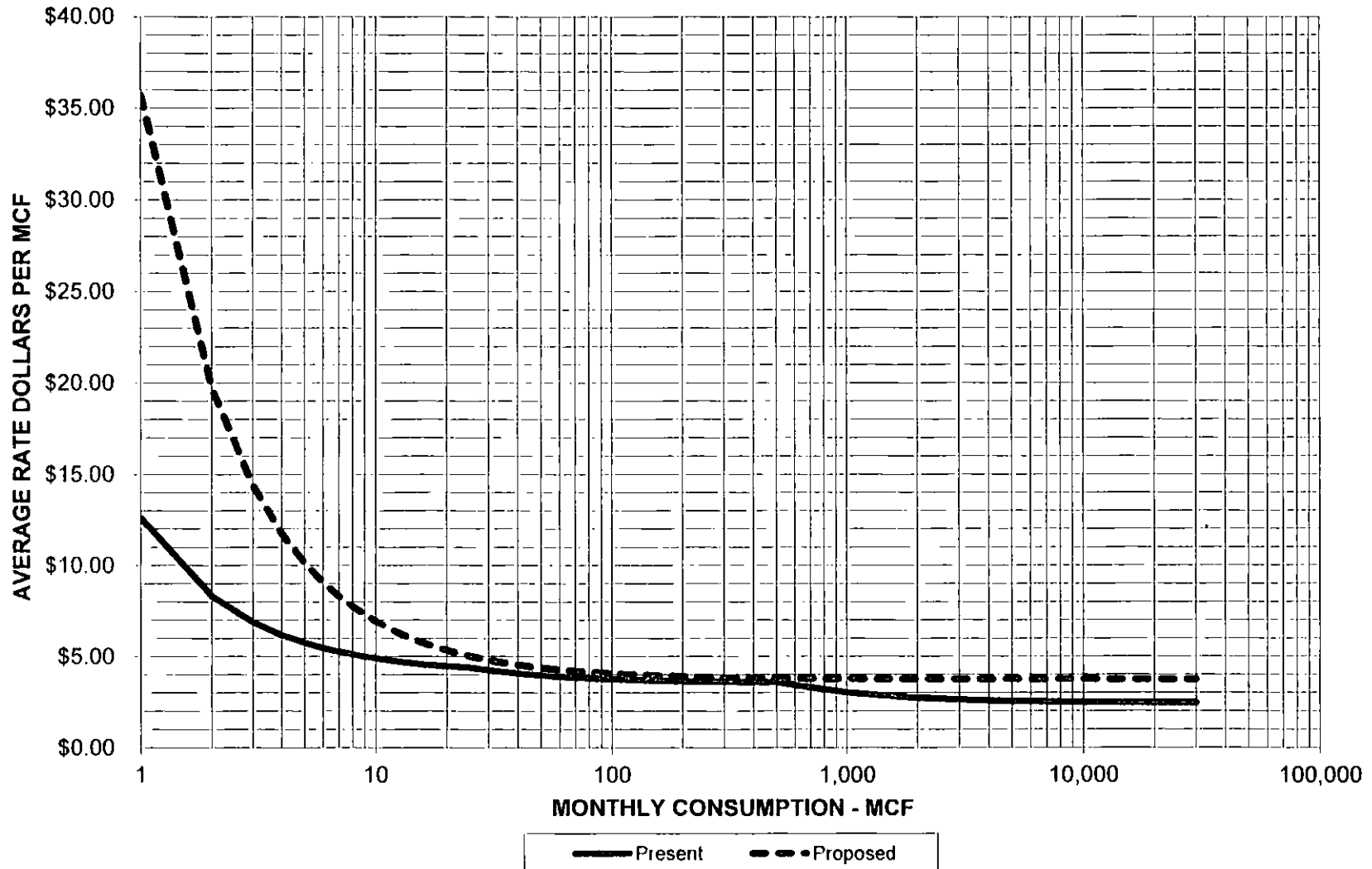
**UGI Utilities, Inc. - Gas Division**  
**Non-Residential Transportation Service - Rate Schedule NT**  
**Calculation of the Effect of Proposed Rates**

<b>MCF</b>	<b>Bills Under Present Rates</b>	<b>Bills Under Proposed Rates</b>	<b>Increase Amount</b>	<b>Increase Percent</b>
-	\$ 8.55	\$ 32.00	\$ 23.45	274.3%
1	\$ 12.58	\$ 35.72	\$ 23.14	184.0%
2	\$ 16.60	\$ 39.44	\$ 22.84	137.6%
3	\$ 20.63	\$ 43.16	\$ 22.53	109.2%
4	\$ 24.66	\$ 46.88	\$ 22.23	90.1%
5	\$ 28.68	\$ 50.61	\$ 21.92	76.4%
6	\$ 32.71	\$ 54.33	\$ 21.62	66.1%
7	\$ 36.74	\$ 58.05	\$ 21.31	58.0%
8	\$ 40.76	\$ 61.77	\$ 21.00	51.5%
9	\$ 44.79	\$ 65.49	\$ 20.70	46.2%
10	\$ 48.82	\$ 69.21	\$ 20.39	41.8%
11	\$ 52.84	\$ 72.93	\$ 20.09	38.0%
12	\$ 56.87	\$ 76.65	\$ 19.78	34.8%
13	\$ 60.90	\$ 80.37	\$ 19.48	32.0%
14	\$ 64.93	\$ 84.09	\$ 19.17	29.5%
15	\$ 68.95	\$ 87.82	\$ 18.86	27.4%
16	\$ 72.98	\$ 91.54	\$ 18.56	25.4%
17	\$ 77.01	\$ 95.26	\$ 18.25	23.7%
18	\$ 81.03	\$ 98.98	\$ 17.95	22.1%
19	\$ 85.06	\$ 102.70	\$ 17.64	20.7%
20	\$ 89.09	\$ 106.42	\$ 17.33	19.5%
25	\$ 109.22	\$ 125.03	\$ 15.81	14.5%
30	\$ 126.87	\$ 143.63	\$ 16.76	13.2%
35	\$ 144.53	\$ 162.24	\$ 17.71	12.3%
40	\$ 162.18	\$ 180.84	\$ 18.66	11.5%
45	\$ 179.84	\$ 199.45	\$ 19.61	10.9%
50	\$ 197.49	\$ 218.05	\$ 20.56	10.4%
60	\$ 232.80	\$ 255.26	\$ 22.46	9.6%
70	\$ 268.11	\$ 292.47	\$ 24.36	9.1%
80	\$ 303.42	\$ 329.68	\$ 26.26	8.7%
90	\$ 338.73	\$ 366.89	\$ 28.17	8.3%
100	\$ 374.04	\$ 404.10	\$ 30.07	8.0%
125	\$ 462.31	\$ 497.13	\$ 34.82	7.5%
150	\$ 550.58	\$ 590.16	\$ 39.57	7.2%
200	\$ 727.13	\$ 776.21	\$ 49.08	6.7%
250	\$ 903.67	\$ 962.26	\$ 58.59	6.5%
300	\$ 1,080.22	\$ 1,148.31	\$ 68.09	6.3%
400	\$ 1,433.31	\$ 1,520.42	\$ 87.11	6.1%
500	\$ 1,786.40	\$ 1,892.52	\$ 106.12	5.9%
1,000	\$ 3,001.42	\$ 3,753.04	\$ 751.62	25.0%
2,000	\$ 5,431.46	\$ 7,474.08	\$ 2,042.62	37.6%
3,000	\$ 7,861.50	\$ 11,195.12	\$ 3,333.62	42.4%
4,000	\$ 10,291.54	\$ 14,916.16	\$ 4,624.62	44.9%
5,000	\$ 12,721.58	\$ 18,637.19	\$ 5,915.62	46.5%
6,000	\$ 15,151.62	\$ 22,358.23	\$ 7,206.62	47.6%
7,000	\$ 17,581.66	\$ 26,079.27	\$ 8,497.62	48.3%
8,000	\$ 20,011.70	\$ 29,800.31	\$ 9,788.61	48.9%
9,000	\$ 22,441.74	\$ 33,521.35	\$ 11,079.61	49.4%
10,000	\$ 24,871.78	\$ 37,242.39	\$ 12,370.61	49.7%
20,000	\$ 49,172.18	\$ 74,452.78	\$ 25,280.60	51.4%
30,000	\$ 73,472.58	\$ 111,663.17	\$ 38,190.59	52.0%



UGI Utilities, Inc. - Gas Division  
Comparison of Present and Proposed Rates  
Rate Schedule NT - NT

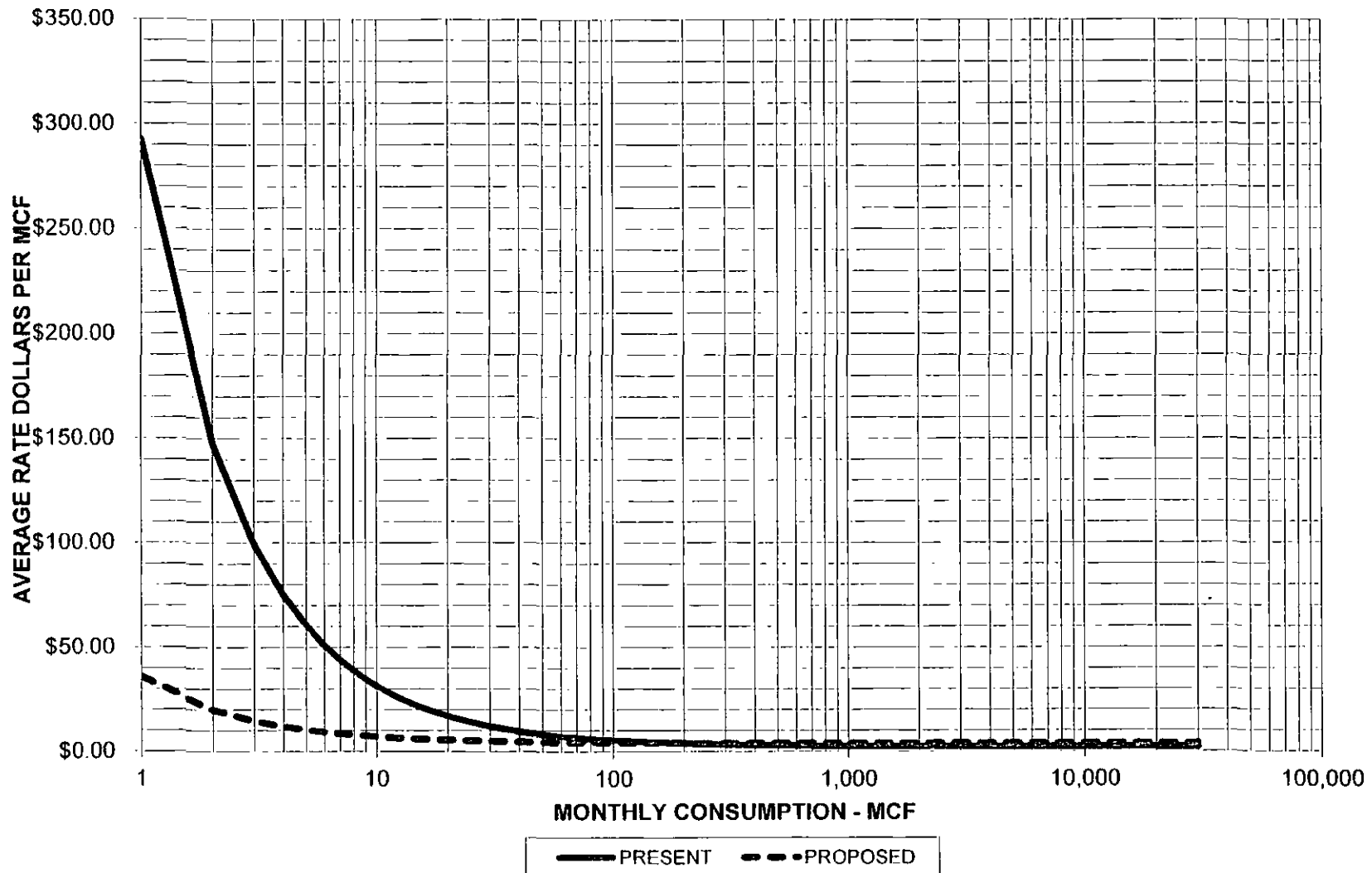
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**UGI Utilities, Inc. - Gas Division**  
**Non-Residential Transportation Service - Rate Schedule DS - NT**  
**Calculation of the Effect of Proposed Rates**

<b>MCF</b>	<b>Bills Under Present Rates</b>	<b>Bills Under Proposed Rates</b>	<b>Increase Amount</b>	<b>Increase Percent</b>
-	\$ 290.00	\$ 32.00	\$ (258.00)	-89.0%
1	\$ 292.30	\$ 35.72	\$ (256.58)	-87.8%
2	\$ 294.60	\$ 39.44	\$ (255.16)	-86.6%
3	\$ 296.90	\$ 43.16	\$ (253.74)	-85.5%
4	\$ 299.20	\$ 46.88	\$ (252.32)	-84.3%
5	\$ 301.50	\$ 50.61	\$ (250.89)	-83.2%
6	\$ 303.80	\$ 54.33	\$ (249.47)	-82.1%
7	\$ 306.10	\$ 58.05	\$ (248.05)	-81.0%
8	\$ 308.40	\$ 61.77	\$ (246.63)	-80.0%
9	\$ 310.70	\$ 65.49	\$ (245.21)	-78.9%
10	\$ 313.00	\$ 69.21	\$ (243.79)	-77.9%
11	\$ 315.30	\$ 72.93	\$ (242.37)	-76.9%
12	\$ 317.60	\$ 76.65	\$ (240.95)	-75.9%
13	\$ 319.90	\$ 80.37	\$ (239.53)	-74.9%
14	\$ 322.20	\$ 84.09	\$ (238.11)	-73.9%
15	\$ 324.50	\$ 87.82	\$ (236.68)	-72.9%
16	\$ 326.80	\$ 91.54	\$ (235.26)	-72.0%
17	\$ 329.10	\$ 95.26	\$ (233.84)	-71.1%
18	\$ 331.40	\$ 98.98	\$ (232.42)	-70.1%
19	\$ 333.70	\$ 102.70	\$ (231.00)	-69.2%
20	\$ 336.00	\$ 106.42	\$ (229.58)	-68.3%
25	\$ 347.50	\$ 125.03	\$ (222.47)	-64.0%
30	\$ 359.00	\$ 143.63	\$ (215.37)	-60.0%
35	\$ 370.50	\$ 162.24	\$ (208.26)	-56.2%
40	\$ 382.00	\$ 180.84	\$ (201.16)	-52.7%
45	\$ 393.50	\$ 199.45	\$ (194.05)	-49.3%
50	\$ 405.00	\$ 218.05	\$ (186.95)	-46.2%
60	\$ 428.00	\$ 255.26	\$ (172.74)	-40.4%
70	\$ 451.00	\$ 292.47	\$ (158.53)	-35.2%
80	\$ 474.00	\$ 329.68	\$ (144.32)	-30.4%
90	\$ 497.00	\$ 366.89	\$ (130.11)	-26.2%
100	\$ 520.00	\$ 404.10	\$ (115.90)	-22.3%
125	\$ 577.50	\$ 497.13	\$ (80.37)	-13.9%
150	\$ 635.00	\$ 590.16	\$ (44.84)	-7.1%
200	\$ 750.00	\$ 776.21	\$ 26.21	3.5%
250	\$ 865.00	\$ 962.26	\$ 97.26	11.2%
300	\$ 980.00	\$ 1,148.31	\$ 168.31	17.2%
400	\$ 1,210.00	\$ 1,520.42	\$ 310.42	25.7%
500	\$ 1,440.00	\$ 1,892.52	\$ 452.52	31.4%
1,000	\$ 2,462.40	\$ 3,753.04	\$ 1,290.64	52.4%
2,000	\$ 4,507.20	\$ 7,474.08	\$ 2,966.88	65.8%
3,000	\$ 6,552.00	\$ 11,195.12	\$ 4,643.12	70.9%
4,000	\$ 8,596.80	\$ 14,916.16	\$ 6,319.36	73.5%
5,000	\$ 10,641.60	\$ 18,637.19	\$ 7,995.59	75.1%
6,000	\$ 12,686.40	\$ 22,358.23	\$ 9,671.83	76.2%
7,000	\$ 14,731.20	\$ 26,079.27	\$ 11,348.07	77.0%
8,000	\$ 16,776.00	\$ 29,800.31	\$ 13,024.31	77.6%
9,000	\$ 18,820.80	\$ 33,521.35	\$ 14,700.55	78.1%
10,000	\$ 20,865.60	\$ 37,242.39	\$ 16,376.79	78.5%
20,000	\$ 41,313.60	\$ 74,452.78	\$ 33,139.18	80.2%
30,000	\$ 61,761.60	\$ 111,663.17	\$ 49,901.57	80.8%

UGI Utilities, Inc. - Gas Division  
Comparison of Present and Proposed Rates  
Rate Schedule DS - NT

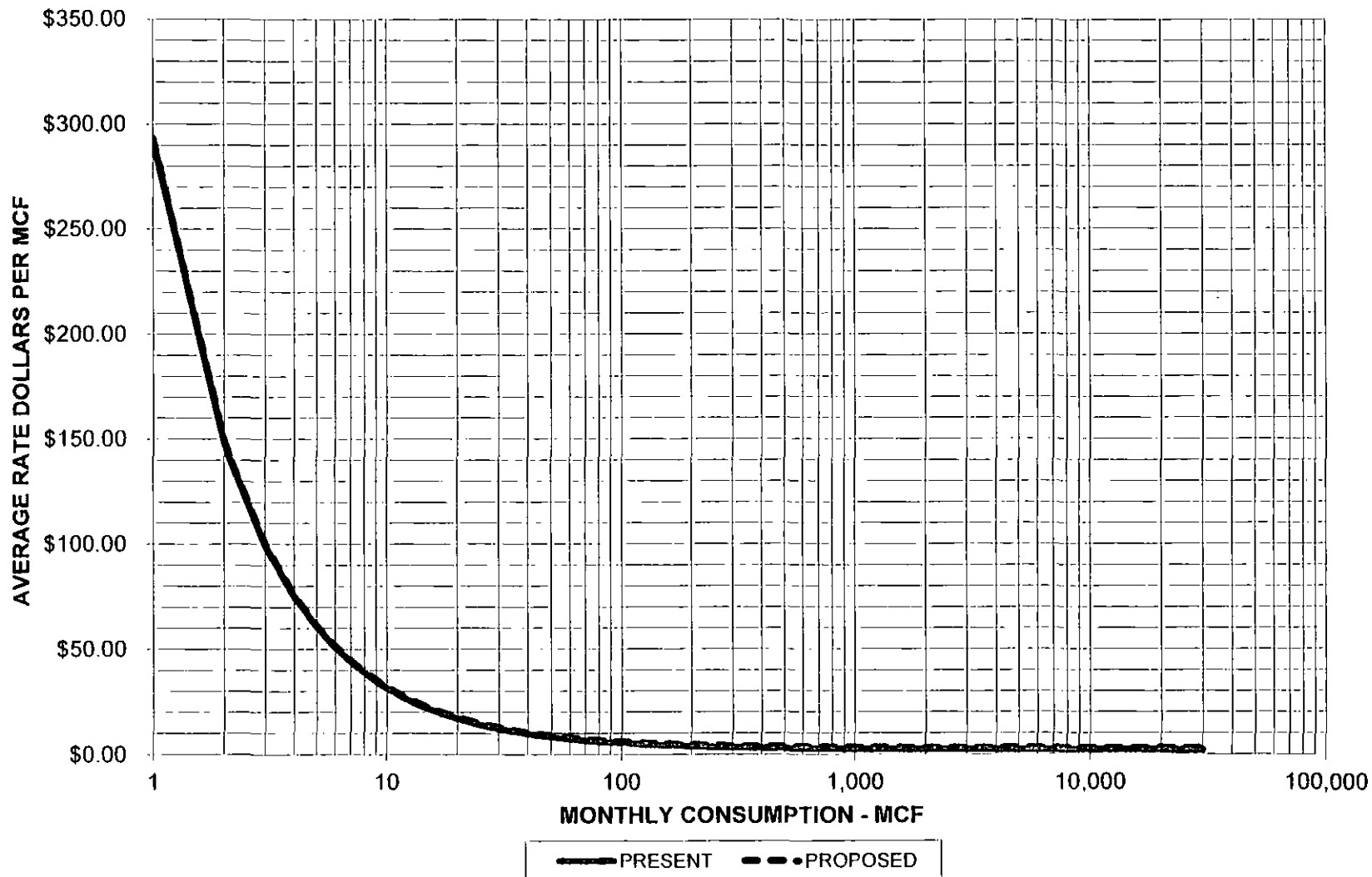


UGI Utilities, Inc. - Gas Division  
Delivery Service - Rate Schedule DS  
Calculation of the Effect of Proposed Rates

<u>MCF</u>	<u>Bills Under Present Rates</u>	<u>Bills Under Proposed Rates</u>	<u>Increase Amount</u>	<u>Increase Percent</u>
-	\$ 290.00	\$ 290.00	\$ -	0.0%
1	\$ 292.30	\$ 292.94	\$ 0.64	0.2%
2	\$ 294.60	\$ 295.88	\$ 1.28	0.4%
3	\$ 296.90	\$ 298.82	\$ 1.92	0.6%
4	\$ 299.20	\$ 301.76	\$ 2.56	0.9%
5	\$ 301.50	\$ 304.70	\$ 3.20	1.1%
6	\$ 303.80	\$ 307.64	\$ 3.84	1.3%
7	\$ 306.10	\$ 310.58	\$ 4.48	1.5%
8	\$ 308.40	\$ 313.52	\$ 5.12	1.7%
9	\$ 310.70	\$ 316.46	\$ 5.76	1.9%
10	\$ 313.00	\$ 319.40	\$ 6.40	2.0%
11	\$ 315.30	\$ 322.34	\$ 7.04	2.2%
12	\$ 317.60	\$ 325.28	\$ 7.68	2.4%
13	\$ 319.90	\$ 328.22	\$ 8.32	2.6%
14	\$ 322.20	\$ 331.16	\$ 8.96	2.8%
15	\$ 324.50	\$ 334.10	\$ 9.60	3.0%
16	\$ 326.80	\$ 337.04	\$ 10.24	3.1%
17	\$ 329.10	\$ 339.98	\$ 10.88	3.3%
18	\$ 331.40	\$ 342.92	\$ 11.52	3.5%
19	\$ 333.70	\$ 345.86	\$ 12.16	3.6%
20	\$ 336.00	\$ 348.80	\$ 12.80	3.8%
25	\$ 347.50	\$ 363.50	\$ 16.00	4.6%
30	\$ 359.00	\$ 378.20	\$ 19.20	5.3%
35	\$ 370.50	\$ 392.90	\$ 22.40	6.0%
40	\$ 382.00	\$ 407.60	\$ 25.60	6.7%
45	\$ 393.50	\$ 422.30	\$ 28.80	7.3%
50	\$ 405.00	\$ 437.00	\$ 32.00	7.9%
60	\$ 428.00	\$ 466.40	\$ 38.40	9.0%
70	\$ 451.00	\$ 495.80	\$ 44.80	9.9%
80	\$ 474.00	\$ 525.20	\$ 51.20	10.8%
90	\$ 497.00	\$ 554.59	\$ 57.59	11.6%
100	\$ 520.00	\$ 583.99	\$ 63.99	12.3%
125	\$ 577.50	\$ 657.49	\$ 79.99	13.9%
150	\$ 635.00	\$ 730.99	\$ 95.99	15.1%
200	\$ 750.00	\$ 877.99	\$ 127.99	17.1%
250	\$ 865.00	\$ 1,024.98	\$ 159.98	18.5%
300	\$ 980.00	\$ 1,171.98	\$ 191.98	19.6%
400	\$ 1,210.00	\$ 1,465.98	\$ 255.98	21.2%
500	\$ 1,440.00	\$ 1,759.97	\$ 319.97	22.2%
1,000	\$ 2,462.40	\$ 3,229.94	\$ 767.54	31.2%
2,000	\$ 4,507.20	\$ 6,169.88	\$ 1,662.68	36.9%
3,000	\$ 6,552.00	\$ 9,109.82	\$ 2,557.82	39.0%
4,000	\$ 8,596.80	\$ 12,049.76	\$ 3,452.96	40.2%
5,000	\$ 10,641.60	\$ 14,989.69	\$ 4,348.09	40.9%
6,000	\$ 12,686.40	\$ 17,929.63	\$ 5,243.23	41.3%
7,000	\$ 14,731.20	\$ 20,869.57	\$ 6,138.37	41.7%
8,000	\$ 16,776.00	\$ 23,809.51	\$ 7,033.51	41.9%
9,000	\$ 18,820.80	\$ 26,749.45	\$ 7,928.65	42.1%
10,000	\$ 20,865.60	\$ 29,689.39	\$ 8,823.79	42.3%
20,000	\$ 41,313.60	\$ 59,088.78	\$ 17,775.18	43.0%
30,000	\$ 61,761.60	\$ 88,488.17	\$ 26,726.57	43.3%

UGI Utilities, Inc. - Gas Division  
Comparison of Present and Proposed Rates  
Rate Schedule DS

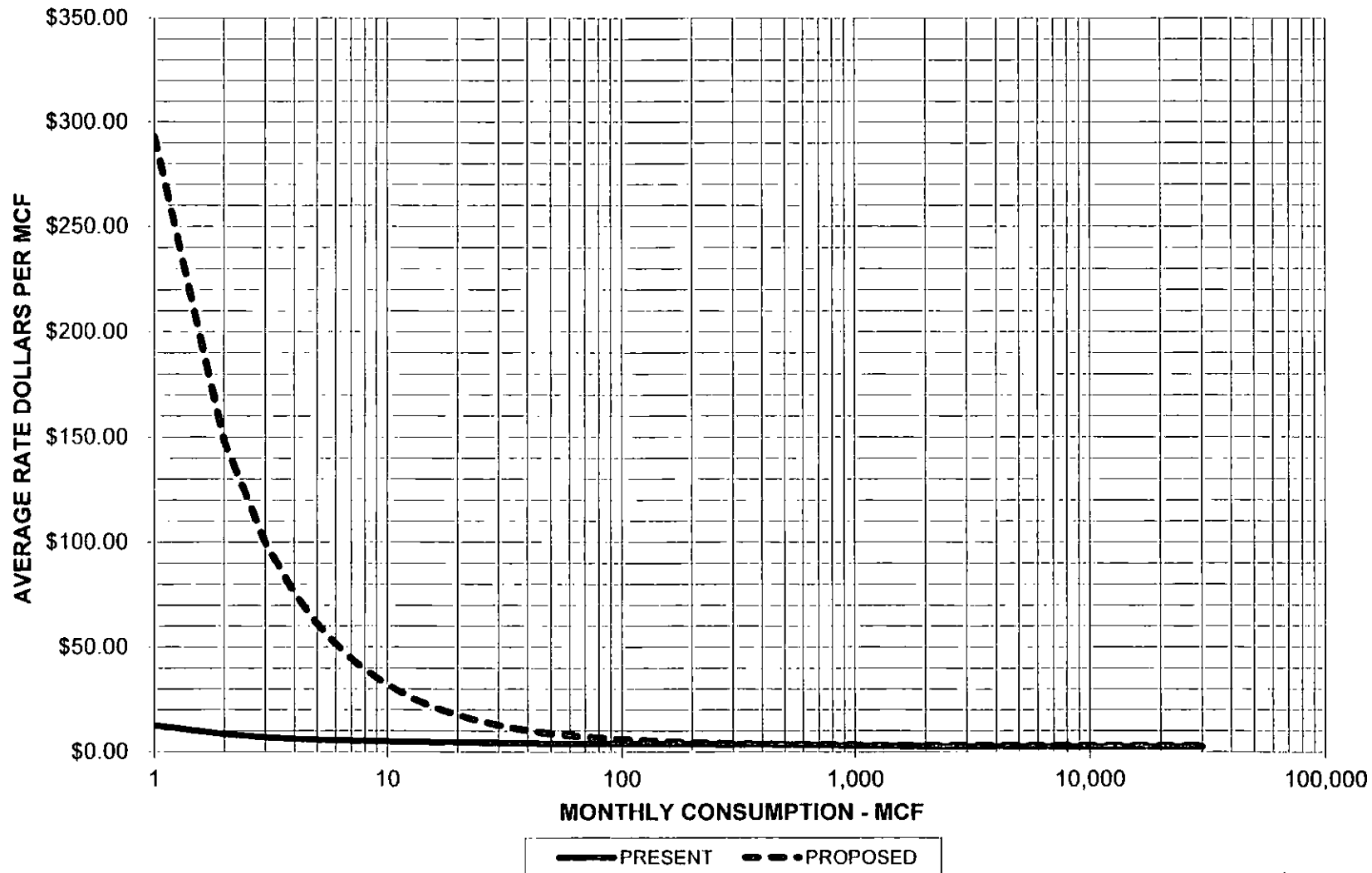
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**UGI Utilities, Inc. - Gas Division**  
**Delivery Service - Rate Schedule NT - DS**  
**Calculation of the Effect of Proposed Rates**

<b>MCF</b>	<b>Bills Under Present Rates</b>	<b>Bills Under Proposed Rates</b>	<b>Increase Amount</b>	<b>Increase Percent</b>
-	\$ 8.55	\$ 290.00	\$ 281.45	3291.8%
1	\$ 12.58	\$ 292.94	\$ 280.36	2229.2%
2	\$ 16.60	\$ 295.88	\$ 279.28	1682.0%
3	\$ 20.63	\$ 298.82	\$ 278.19	1348.4%
4	\$ 24.66	\$ 301.76	\$ 277.10	1123.8%
5	\$ 28.68	\$ 304.70	\$ 276.02	962.3%
6	\$ 32.71	\$ 307.64	\$ 274.93	840.5%
7	\$ 36.74	\$ 310.58	\$ 273.84	745.4%
8	\$ 40.76	\$ 313.52	\$ 272.76	669.1%
9	\$ 44.79	\$ 316.46	\$ 271.67	606.5%
10	\$ 48.82	\$ 319.40	\$ 270.58	554.3%
11	\$ 52.84	\$ 322.34	\$ 269.49	510.0%
12	\$ 56.87	\$ 325.28	\$ 268.41	472.0%
13	\$ 60.90	\$ 328.22	\$ 267.32	439.0%
14	\$ 64.93	\$ 331.16	\$ 266.23	410.1%
15	\$ 68.95	\$ 334.10	\$ 265.15	384.5%
16	\$ 72.98	\$ 337.04	\$ 264.06	361.8%
17	\$ 77.01	\$ 339.98	\$ 262.97	341.5%
18	\$ 81.03	\$ 342.92	\$ 261.89	323.2%
19	\$ 85.06	\$ 345.86	\$ 260.80	306.6%
20	\$ 89.09	\$ 348.80	\$ 259.71	291.5%
25	\$ 109.22	\$ 363.50	\$ 254.28	232.8%
30	\$ 126.87	\$ 378.20	\$ 251.32	198.1%
35	\$ 144.53	\$ 392.90	\$ 248.37	171.8%
40	\$ 162.18	\$ 407.60	\$ 245.41	151.3%
45	\$ 179.84	\$ 422.30	\$ 242.46	134.8%
50	\$ 197.49	\$ 437.00	\$ 239.50	121.3%
60	\$ 232.80	\$ 466.40	\$ 233.59	100.3%
70	\$ 268.11	\$ 495.80	\$ 227.69	84.9%
80	\$ 303.42	\$ 525.20	\$ 221.78	73.1%
90	\$ 338.73	\$ 554.59	\$ 215.87	63.7%
100	\$ 374.04	\$ 583.99	\$ 209.96	56.1%
125	\$ 462.31	\$ 657.49	\$ 195.18	42.2%
150	\$ 550.58	\$ 730.99	\$ 180.41	32.8%
200	\$ 727.13	\$ 877.99	\$ 150.86	20.7%
250	\$ 903.67	\$ 1,024.98	\$ 121.31	13.4%
300	\$ 1,080.22	\$ 1,171.98	\$ 91.76	8.5%
400	\$ 1,433.31	\$ 1,465.98	\$ 32.67	2.3%
500	\$ 1,786.40	\$ 1,759.97	\$ (26.43)	-1.5%
1,000	\$ 3,001.42	\$ 3,229.94	\$ 228.52	7.6%
2,000	\$ 5,431.46	\$ 6,169.88	\$ 738.42	13.6%
3,000	\$ 7,861.50	\$ 9,109.82	\$ 1,248.32	15.9%
4,000	\$ 10,291.54	\$ 12,049.76	\$ 1,758.22	17.1%
5,000	\$ 12,721.58	\$ 14,989.69	\$ 2,268.12	17.8%
6,000	\$ 15,151.62	\$ 17,929.63	\$ 2,778.02	18.3%
7,000	\$ 17,581.66	\$ 20,869.57	\$ 3,287.92	18.7%
8,000	\$ 20,011.70	\$ 23,809.51	\$ 3,797.81	19.0%
9,000	\$ 22,441.74	\$ 26,749.45	\$ 4,307.71	19.2%
10,000	\$ 24,871.78	\$ 29,689.39	\$ 4,817.61	19.4%
20,000	\$ 49,172.18	\$ 59,088.78	\$ 9,916.60	20.2%
30,000	\$ 73,472.58	\$ 88,488.17	\$ 15,015.59	20.4%

UGI Utilities, Inc. - Gas Division  
Comparison of Present and Proposed Rates  
Rate Schedule NT - DS

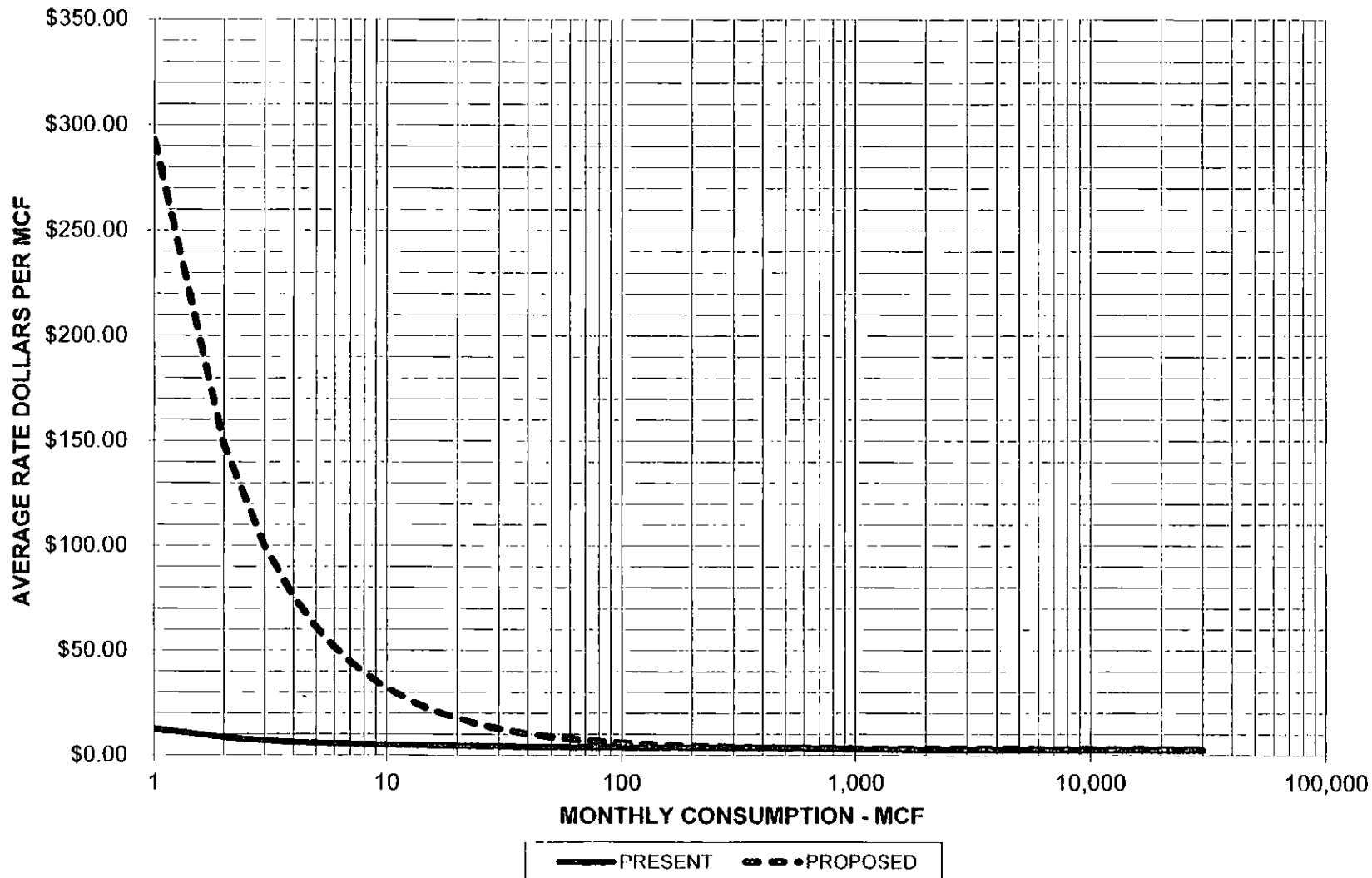


**UGI Utilities, Inc. - Gas Division**  
**Delivery Service - Rate Schedule N - DS**  
**Calculation of the Effect of Proposed Rates**

<b>MCF</b>	<b>Bills Under Present Rates</b>	<b>Bills Under Proposed Rates</b>	<b>Increase Amount</b>	<b>Increase Percent</b>
-	\$ 8.55	\$ 290.00	\$ 281.45	3291.8%
1	\$ 12.58	\$ 292.94	\$ 280.36	2229.2%
2	\$ 16.60	\$ 295.88	\$ 279.28	1682.0%
3	\$ 20.63	\$ 298.82	\$ 278.19	1348.4%
4	\$ 24.66	\$ 301.76	\$ 277.10	1123.8%
5	\$ 28.68	\$ 304.70	\$ 276.02	962.3%
6	\$ 32.71	\$ 307.64	\$ 274.93	840.5%
7	\$ 36.74	\$ 310.58	\$ 273.84	745.4%
8	\$ 40.76	\$ 313.52	\$ 272.76	669.1%
9	\$ 44.79	\$ 316.46	\$ 271.67	606.5%
10	\$ 48.82	\$ 319.40	\$ 270.58	554.3%
11	\$ 52.84	\$ 322.34	\$ 269.49	510.0%
12	\$ 56.87	\$ 325.28	\$ 268.41	472.0%
13	\$ 60.90	\$ 328.22	\$ 267.32	439.0%
14	\$ 64.93	\$ 331.16	\$ 266.23	410.1%
15	\$ 68.95	\$ 334.10	\$ 265.15	384.5%
16	\$ 72.98	\$ 337.04	\$ 264.06	361.8%
17	\$ 77.01	\$ 339.98	\$ 262.97	341.5%
18	\$ 81.03	\$ 342.92	\$ 261.89	323.2%
19	\$ 85.06	\$ 345.86	\$ 260.80	306.6%
20	\$ 89.09	\$ 348.80	\$ 259.71	291.5%
25	\$ 109.22	\$ 363.50	\$ 254.28	232.8%
30	\$ 126.87	\$ 378.20	\$ 251.32	198.1%
35	\$ 144.53	\$ 392.90	\$ 248.37	171.8%
40	\$ 162.18	\$ 407.60	\$ 245.41	151.3%
45	\$ 179.84	\$ 422.30	\$ 242.46	134.8%
50	\$ 197.49	\$ 437.00	\$ 239.50	121.3%
60	\$ 232.80	\$ 466.40	\$ 233.59	100.3%
70	\$ 268.11	\$ 495.80	\$ 227.69	84.9%
80	\$ 303.42	\$ 525.20	\$ 221.78	73.1%
90	\$ 338.73	\$ 554.59	\$ 215.87	63.7%
100	\$ 374.04	\$ 583.99	\$ 209.96	56.1%
125	\$ 462.31	\$ 657.49	\$ 195.18	42.2%
150	\$ 550.58	\$ 730.99	\$ 180.41	32.8%
200	\$ 727.13	\$ 877.99	\$ 150.86	20.7%
250	\$ 903.67	\$ 1,024.98	\$ 121.31	13.4%
300	\$ 1,080.22	\$ 1,171.98	\$ 91.76	8.5%
400	\$ 1,433.31	\$ 1,465.98	\$ 32.67	2.3%
500	\$ 1,786.40	\$ 1,759.97	\$ (26.43)	-1.5%
1,000	\$ 3,001.42	\$ 3,229.94	\$ 228.52	7.6%
2,000	\$ 5,431.46	\$ 6,169.88	\$ 738.42	13.6%
3,000	\$ 7,861.50	\$ 9,109.82	\$ 1,248.32	15.9%
4,000	\$ 10,291.54	\$ 12,049.76	\$ 1,758.22	17.1%
5,000	\$ 12,721.58	\$ 14,989.69	\$ 2,268.12	17.8%
6,000	\$ 15,151.62	\$ 17,929.63	\$ 2,778.02	18.3%
7,000	\$ 17,581.66	\$ 20,869.57	\$ 3,287.92	18.7%
8,000	\$ 20,011.70	\$ 23,809.51	\$ 3,797.81	19.0%
9,000	\$ 22,441.74	\$ 26,749.45	\$ 4,307.71	19.2%
10,000	\$ 24,871.78	\$ 29,689.39	\$ 4,817.61	19.4%
20,000	\$ 49,172.18	\$ 59,088.78	\$ 9,916.60	20.2%
30,000	\$ 73,472.58	\$ 88,488.17	\$ 15,015.59	20.4%



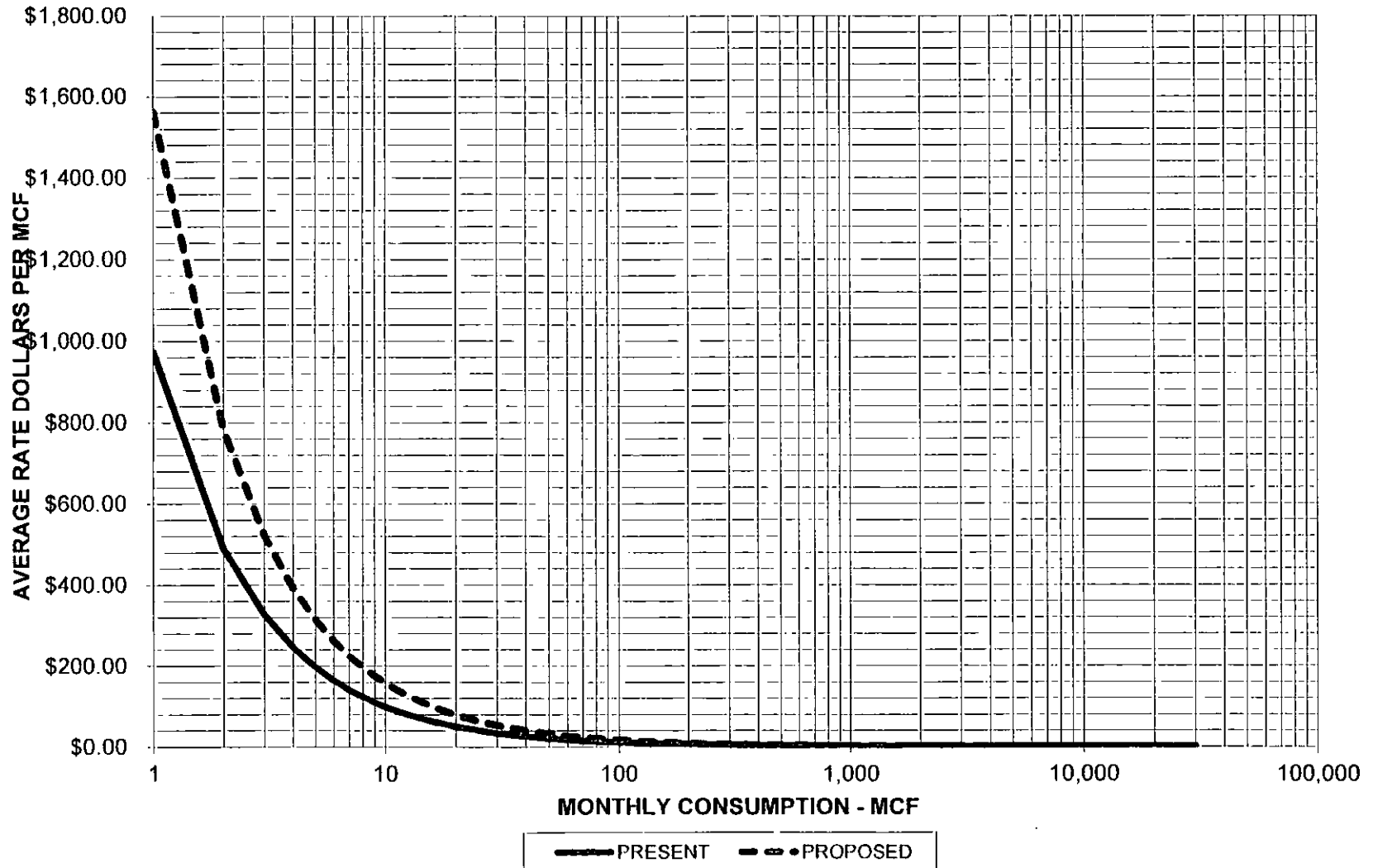
UGI Utilities, Inc.- Gas Division  
Comparison of Present and Proposed Rates  
Rate Schedule N - DS



**UGI Utilities, Inc. - Gas Division**  
**Large Firm Delivery Service - Rate Schedule LFD**  
**Calculation of the Effect of Proposed Rates**

<b>MCF</b>	<b>Bills Under Present Rates</b>	<b>Bills Under Proposed Rates</b>	<b>Increase Amount</b>	<b>Increase Percent</b>
-	\$ 970.74	\$ 1,559.96	\$ 589.22	60.7%
1	\$ 972.58	\$ 1,561.20	\$ 588.62	60.5%
2	\$ 974.43	\$ 1,562.44	\$ 588.01	60.3%
3	\$ 976.27	\$ 1,563.68	\$ 587.41	60.2%
4	\$ 978.11	\$ 1,564.92	\$ 586.81	60.0%
5	\$ 979.95	\$ 1,566.16	\$ 586.21	59.8%
6	\$ 981.80	\$ 1,567.41	\$ 585.61	59.6%
7	\$ 983.64	\$ 1,568.65	\$ 585.01	59.5%
8	\$ 985.48	\$ 1,569.89	\$ 584.40	59.3%
9	\$ 987.33	\$ 1,571.13	\$ 583.80	59.1%
10	\$ 989.17	\$ 1,572.37	\$ 583.20	59.0%
11	\$ 991.01	\$ 1,573.61	\$ 582.60	58.8%
12	\$ 992.86	\$ 1,574.85	\$ 582.00	58.6%
13	\$ 994.70	\$ 1,576.09	\$ 581.39	58.4%
14	\$ 996.54	\$ 1,577.33	\$ 580.79	58.3%
15	\$ 998.38	\$ 1,578.58	\$ 580.19	58.1%
16	\$ 1,000.23	\$ 1,579.82	\$ 579.59	57.9%
17	\$ 1,002.07	\$ 1,581.06	\$ 578.99	57.8%
18	\$ 1,003.91	\$ 1,582.30	\$ 578.39	57.6%
19	\$ 1,005.76	\$ 1,583.54	\$ 577.78	57.4%
20	\$ 1,007.60	\$ 1,584.78	\$ 577.18	57.3%
25	\$ 1,016.81	\$ 1,590.99	\$ 574.17	56.5%
30	\$ 1,026.03	\$ 1,597.19	\$ 571.16	55.7%
35	\$ 1,035.24	\$ 1,603.40	\$ 568.15	54.9%
40	\$ 1,044.46	\$ 1,609.60	\$ 565.14	54.1%
45	\$ 1,053.67	\$ 1,615.81	\$ 562.13	53.3%
50	\$ 1,062.89	\$ 1,622.02	\$ 559.13	52.6%
60	\$ 1,081.32	\$ 1,634.43	\$ 553.11	51.2%
70	\$ 1,099.75	\$ 1,646.84	\$ 547.09	49.7%
80	\$ 1,118.18	\$ 1,659.25	\$ 541.07	48.4%
90	\$ 1,136.61	\$ 1,671.66	\$ 535.05	47.1%
100	\$ 1,155.04	\$ 1,684.07	\$ 529.03	45.8%
125	\$ 1,201.11	\$ 1,715.10	\$ 513.99	42.8%
150	\$ 1,247.19	\$ 1,746.13	\$ 498.94	40.0%
200	\$ 1,339.34	\$ 1,808.19	\$ 468.85	35.0%
250	\$ 1,431.49	\$ 1,870.24	\$ 438.75	30.7%
300	\$ 1,523.64	\$ 1,932.30	\$ 408.66	26.8%
400	\$ 1,707.94	\$ 2,056.41	\$ 348.47	20.4%
500	\$ 1,892.24	\$ 2,180.53	\$ 288.29	15.2%
1,000	\$ 2,813.74	\$ 2,801.10	\$ (12.64)	-0.4%
2,000	\$ 3,966.74	\$ 4,042.24	\$ 75.50	1.9%
3,000	\$ 5,119.74	\$ 5,283.38	\$ 163.64	3.2%
4,000	\$ 6,272.74	\$ 6,524.51	\$ 251.77	4.0%
5,000	\$ 7,425.74	\$ 7,765.65	\$ 339.91	4.6%
6,000	\$ 8,105.14	\$ 9,006.79	\$ 901.65	11.1%
7,000	\$ 8,784.54	\$ 10,247.93	\$ 1,463.39	16.7%
8,000	\$ 9,463.94	\$ 11,489.07	\$ 2,025.13	21.4%
9,000	\$ 10,143.34	\$ 12,730.21	\$ 2,586.87	25.5%
10,000	\$ 10,822.74	\$ 13,971.35	\$ 3,148.61	29.1%
20,000	\$ 17,616.74	\$ 26,382.74	\$ 8,766.00	49.8%
30,000	\$ 24,410.74	\$ 38,794.13	\$ 14,383.39	58.9%

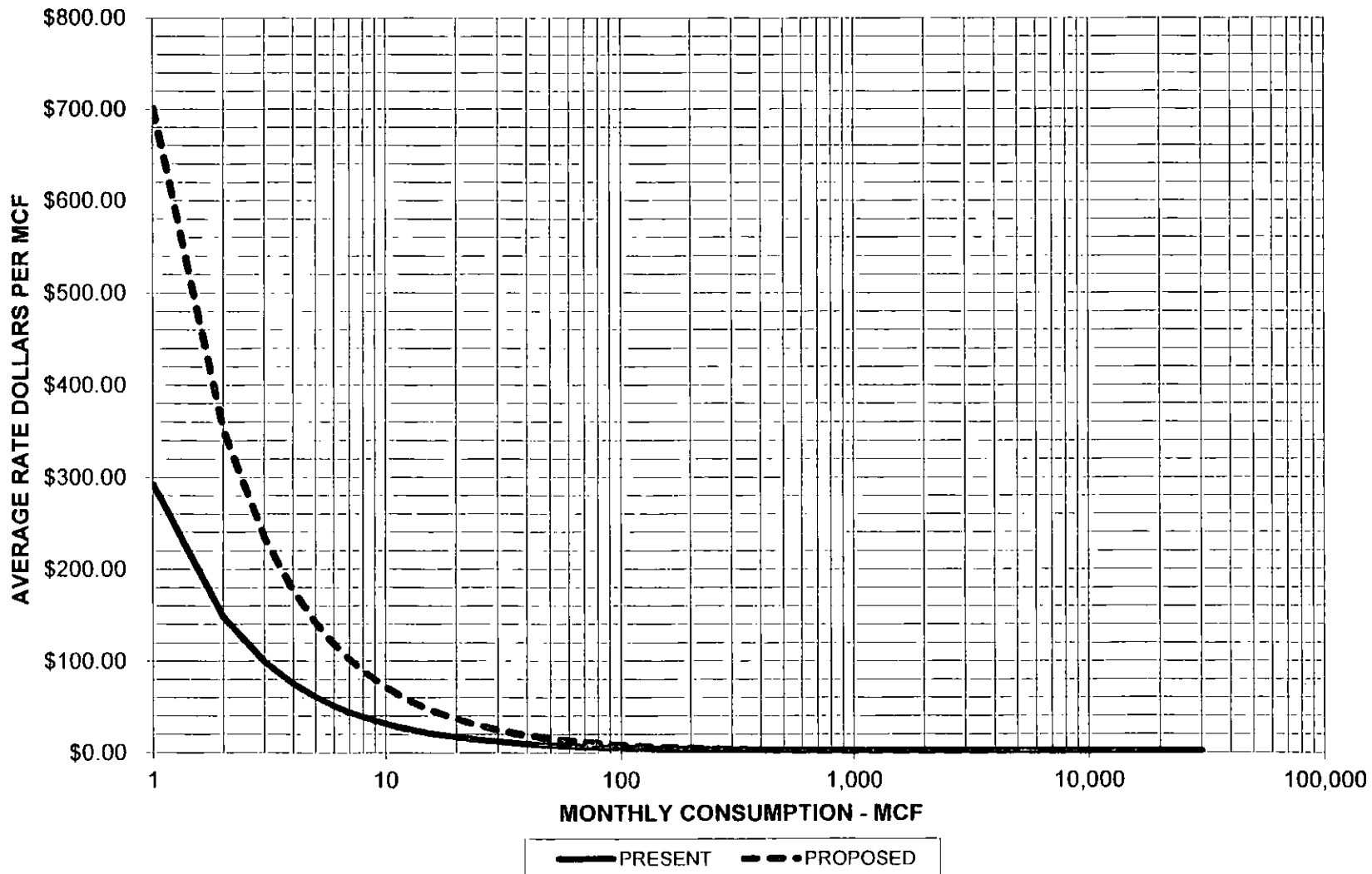
UGI Utilities, Inc. - Gas Division  
Comparison of Present and Proposed Rates  
Rate Schedule LFD - LFD



**UGI Utilities, Inc. - Gas Division**  
**Large Firm Delivery Service - Rate Schedule DS - LFD**  
**Calculation of the Effect of Proposed Rates**

<b>MCF</b>	<b>Bills Under Present Rates</b>	<b>Bills Under Proposed Rates</b>	<b>Increase Amount</b>	<b>Increase Percent</b>
-	\$ 290.00	\$ 700.00	\$ 410.00	141.4%
1	\$ 292.30	\$ 701.24	\$ 408.94	139.9%
2	\$ 294.60	\$ 702.48	\$ 407.88	138.5%
3	\$ 296.90	\$ 703.72	\$ 406.82	137.0%
4	\$ 299.20	\$ 704.96	\$ 405.76	135.6%
5	\$ 301.50	\$ 706.21	\$ 404.71	134.2%
6	\$ 303.80	\$ 707.45	\$ 403.65	132.9%
7	\$ 306.10	\$ 708.69	\$ 402.59	131.5%
8	\$ 308.40	\$ 709.93	\$ 401.53	130.2%
9	\$ 310.70	\$ 711.17	\$ 400.47	128.9%
10	\$ 313.00	\$ 712.41	\$ 399.41	127.6%
11	\$ 315.30	\$ 713.65	\$ 398.35	126.3%
12	\$ 317.60	\$ 714.89	\$ 397.29	125.1%
13	\$ 319.90	\$ 716.13	\$ 396.23	123.9%
14	\$ 322.20	\$ 717.38	\$ 395.18	122.6%
15	\$ 324.50	\$ 718.62	\$ 394.12	121.5%
16	\$ 326.80	\$ 719.86	\$ 393.06	120.3%
17	\$ 329.10	\$ 721.10	\$ 392.00	119.1%
18	\$ 331.40	\$ 722.34	\$ 390.94	118.0%
19	\$ 333.70	\$ 723.58	\$ 389.88	116.8%
20	\$ 336.00	\$ 724.82	\$ 388.82	115.7%
25	\$ 347.50	\$ 731.03	\$ 383.53	110.4%
30	\$ 359.00	\$ 737.23	\$ 378.23	105.4%
35	\$ 370.50	\$ 743.44	\$ 372.94	100.7%
40	\$ 382.00	\$ 749.65	\$ 367.65	96.2%
45	\$ 393.50	\$ 755.85	\$ 362.35	92.1%
50	\$ 405.00	\$ 762.06	\$ 357.06	88.2%
60	\$ 428.00	\$ 774.47	\$ 346.47	81.0%
70	\$ 451.00	\$ 786.88	\$ 335.88	74.5%
80	\$ 474.00	\$ 799.29	\$ 325.29	68.6%
90	\$ 497.00	\$ 811.70	\$ 314.70	63.3%
100	\$ 520.00	\$ 824.11	\$ 304.11	58.5%
125	\$ 577.50	\$ 855.14	\$ 277.64	48.1%
150	\$ 635.00	\$ 886.17	\$ 251.17	39.6%
200	\$ 750.00	\$ 948.23	\$ 198.23	26.4%
250	\$ 865.00	\$ 1,010.28	\$ 145.28	16.8%
300	\$ 980.00	\$ 1,072.34	\$ 92.34	9.4%
400	\$ 1,210.00	\$ 1,196.46	\$ (13.54)	-1.1%
500	\$ 1,440.00	\$ 1,320.57	\$ (119.43)	-8.3%
1,000	\$ 2,462.40	\$ 1,941.14	\$ (521.26)	-21.2%
2,000	\$ 4,507.20	\$ 3,182.28	\$ (1,324.92)	-29.4%
3,000	\$ 6,552.00	\$ 4,423.42	\$ (2,128.58)	-32.5%
4,000	\$ 8,596.80	\$ 5,664.56	\$ (2,932.24)	-34.1%
5,000	\$ 10,641.60	\$ 6,905.69	\$ (3,735.91)	-35.1%
6,000	\$ 12,686.40	\$ 8,146.83	\$ (4,539.57)	-35.8%
7,000	\$ 14,731.20	\$ 9,387.97	\$ (5,343.23)	-36.3%
8,000	\$ 16,776.00	\$ 10,629.11	\$ (6,146.89)	-36.6%
9,000	\$ 18,820.80	\$ 11,870.25	\$ (6,950.55)	-36.9%
10,000	\$ 20,865.60	\$ 13,111.39	\$ (7,754.21)	-37.2%
20,000	\$ 41,313.60	\$ 25,522.78	\$ (15,790.82)	-38.2%
30,000	\$ 61,761.60	\$ 37,934.17	\$ (23,827.43)	-38.6%

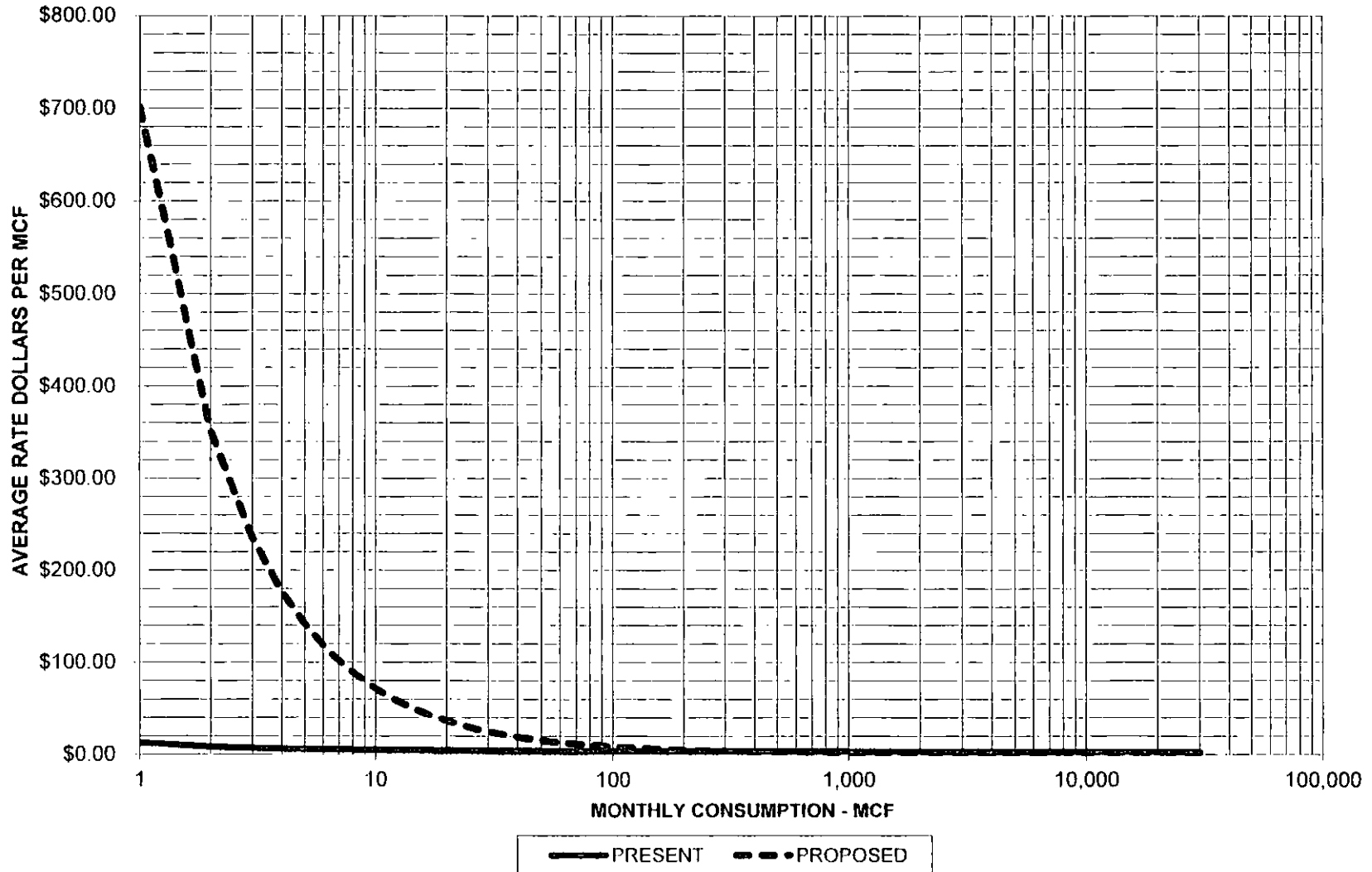
UGI Utilities, Inc. - Gas Division  
Comparison of Present and Proposed Rates  
Rate Schedule DS - LFD



UGI Utilities, Inc. - Gas Division  
Large Firm Delivery Service - Rate Schedule NT - LFD  
Calculation of the Effect of Proposed Rates

MCF	Bills Under Present Rates	Bills Under Proposed Rates	Increase Amount	Increase Percent
-	\$ 8.55	\$ 700.00	\$ 691.45	8087.1%
1	\$ 12.58	\$ 701.24	\$ 688.66	5475.7%
2	\$ 16.60	\$ 702.48	\$ 685.88	4130.9%
3	\$ 20.63	\$ 703.72	\$ 683.09	3311.1%
4	\$ 24.66	\$ 704.96	\$ 680.31	2759.1%
5	\$ 28.68	\$ 706.21	\$ 677.52	2362.0%
6	\$ 32.71	\$ 707.45	\$ 674.74	2062.7%
7	\$ 36.74	\$ 708.69	\$ 671.95	1829.1%
8	\$ 40.76	\$ 709.93	\$ 669.16	1641.5%
9	\$ 44.79	\$ 711.17	\$ 666.38	1487.7%
10	\$ 48.82	\$ 712.41	\$ 663.59	1359.3%
11	\$ 52.84	\$ 713.65	\$ 660.81	1250.5%
12	\$ 56.87	\$ 714.89	\$ 658.02	1157.0%
13	\$ 60.90	\$ 716.13	\$ 655.24	1076.0%
14	\$ 64.93	\$ 717.38	\$ 652.45	1004.9%
15	\$ 68.95	\$ 718.62	\$ 649.67	942.2%
16	\$ 72.98	\$ 719.86	\$ 646.88	886.4%
17	\$ 77.01	\$ 721.10	\$ 644.09	836.4%
18	\$ 81.03	\$ 722.34	\$ 641.31	791.4%
19	\$ 85.06	\$ 723.58	\$ 638.52	750.7%
20	\$ 89.09	\$ 724.82	\$ 635.74	713.6%
25	\$ 109.22	\$ 731.03	\$ 621.81	569.3%
30	\$ 126.87	\$ 737.23	\$ 610.36	481.1%
35	\$ 144.53	\$ 743.44	\$ 598.91	414.4%
40	\$ 162.18	\$ 749.65	\$ 587.46	362.2%
45	\$ 179.84	\$ 755.85	\$ 576.01	320.3%
50	\$ 197.49	\$ 762.06	\$ 564.56	285.9%
60	\$ 232.80	\$ 774.47	\$ 541.67	232.7%
70	\$ 268.11	\$ 786.88	\$ 518.77	193.5%
80	\$ 303.42	\$ 799.29	\$ 495.87	163.4%
90	\$ 338.73	\$ 811.70	\$ 472.97	139.6%
100	\$ 374.04	\$ 824.11	\$ 450.08	120.3%
125	\$ 462.31	\$ 855.14	\$ 392.83	85.0%
150	\$ 550.58	\$ 886.17	\$ 335.59	61.0%
200	\$ 727.13	\$ 948.23	\$ 221.10	30.4%
250	\$ 903.67	\$ 1,010.28	\$ 106.61	11.8%
300	\$ 1,080.22	\$ 1,072.34	\$ (7.88)	-0.7%
400	\$ 1,433.31	\$ 1,196.46	\$ (236.85)	-16.5%
500	\$ 1,786.40	\$ 1,320.57	\$ (465.83)	-26.1%
1,000	\$ 3,001.42	\$ 1,941.14	\$ (1,060.28)	-35.3%
2,000	\$ 5,431.46	\$ 3,182.28	\$ (2,249.18)	-41.4%
3,000	\$ 7,861.50	\$ 4,423.42	\$ (3,438.08)	-43.7%
4,000	\$ 10,291.54	\$ 5,664.56	\$ (4,626.98)	-45.0%
5,000	\$ 12,721.58	\$ 6,905.69	\$ (5,815.88)	-45.7%
6,000	\$ 15,151.62	\$ 8,146.83	\$ (7,004.78)	-46.2%
7,000	\$ 17,581.66	\$ 9,387.97	\$ (8,193.68)	-46.6%
8,000	\$ 20,011.70	\$ 10,629.11	\$ (9,382.59)	-46.9%
9,000	\$ 22,441.74	\$ 11,870.25	\$ (10,571.49)	-47.1%
10,000	\$ 24,871.78	\$ 13,111.39	\$ (11,760.39)	-47.3%
20,000	\$ 49,172.18	\$ 25,522.78	\$ (23,649.40)	-48.1%
30,000	\$ 73,472.58	\$ 37,934.17	\$ (35,538.41)	-48.4%

UGI Utilities, Inc. - Gas Division  
Comparison of Present and Proposed Rates  
Rate Schedule NT - LFD



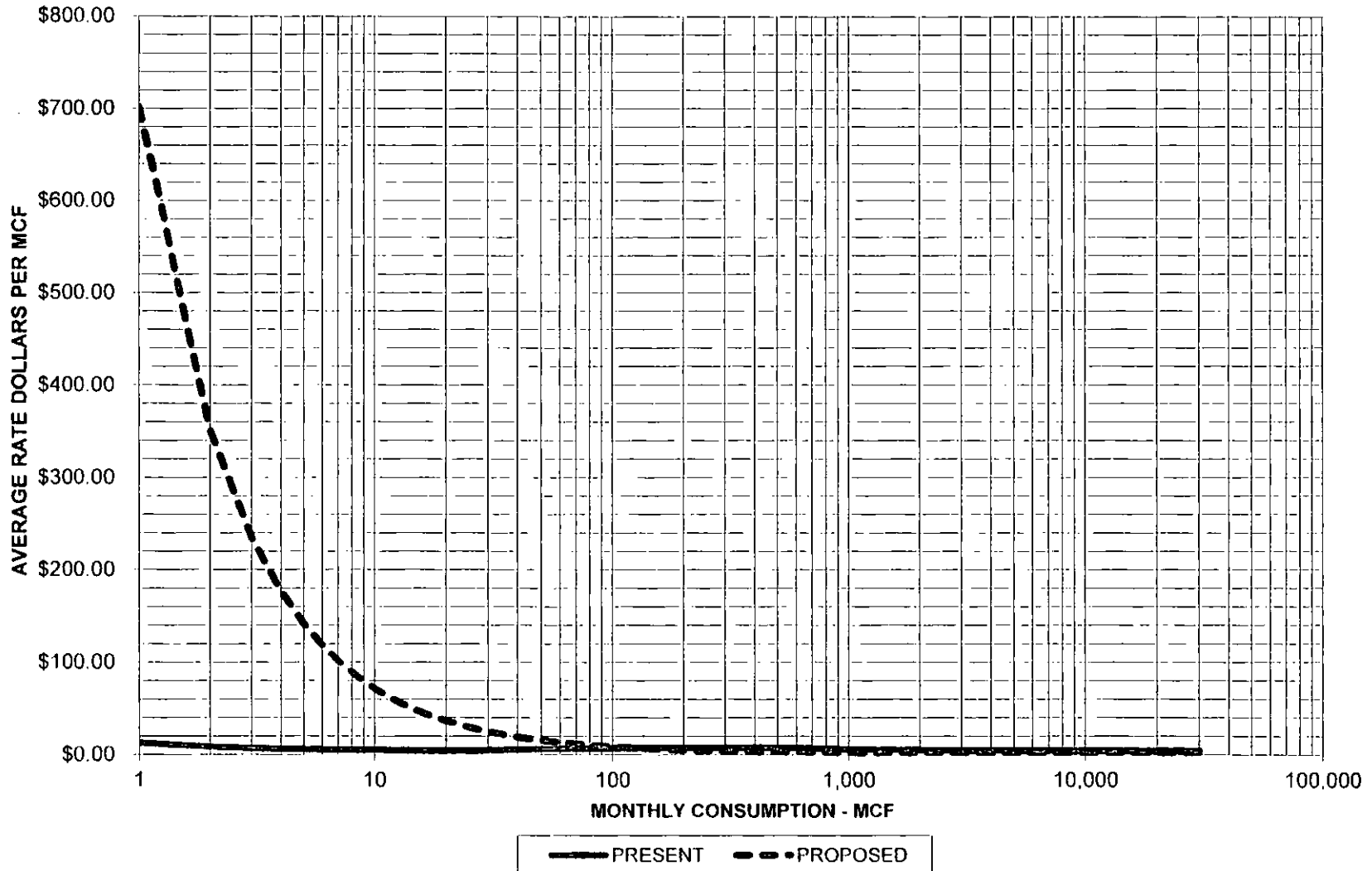
**UGI Utilities, Inc. - Gas Division**  
**Large Firm Delivery Service - Rate Schedule N - LFD**  
**Calculation of the Effect of Proposed Rates**

<u>MCF</u>	<u>Bills Under Present Rates</u>	<u>Bills Under Proposed Rates</u>	<u>Increase Amount</u>	<u>Increase Percent</u>
-	\$ 8.55	\$ 700.00	\$ 691.45	8087.1%
1	\$ 12.58	\$ 701.24	\$ 688.66	5475.7%
2	\$ 16.60	\$ 702.48	\$ 685.88	4130.9%
3	\$ 20.63	\$ 703.72	\$ 683.09	3311.1%
4	\$ 24.66	\$ 704.96	\$ 680.31	2759.1%
5	\$ 28.68	\$ 706.21	\$ 677.52	2362.0%
6	\$ 32.71	\$ 707.45	\$ 674.74	2062.7%
7	\$ 36.74	\$ 708.69	\$ 671.95	1829.1%
8	\$ 40.76	\$ 709.93	\$ 669.16	1641.5%
9	\$ 44.79	\$ 711.17	\$ 666.38	1487.7%
10	\$ 48.82	\$ 712.41	\$ 663.59	1359.3%
11	\$ 52.84	\$ 713.65	\$ 660.81	1250.5%
12	\$ 56.87	\$ 714.89	\$ 658.02	1157.0%
13	\$ 60.90	\$ 716.13	\$ 655.24	1076.0%
14	\$ 64.93	\$ 717.38	\$ 652.45	1004.9%
15	\$ 68.95	\$ 718.62	\$ 649.67	942.2%
16	\$ 72.98	\$ 719.86	\$ 646.88	886.4%
17	\$ 77.01	\$ 721.10	\$ 644.09	836.4%
18	\$ 81.03	\$ 722.34	\$ 641.31	791.4%
19	\$ 85.06	\$ 723.58	\$ 638.52	750.7%
20	\$ 89.09	\$ 724.82	\$ 635.74	713.6%
25	\$ 109.22	\$ 731.03	\$ 621.81	569.3%
30	\$ 147.01	\$ 737.23	\$ 590.23	401.5%
35	\$ 184.80	\$ 743.44	\$ 558.64	302.3%
40	\$ 222.59	\$ 749.65	\$ 527.06	236.8%
45	\$ 260.37	\$ 755.85	\$ 495.48	190.3%
50	\$ 298.16	\$ 762.06	\$ 463.89	155.6%
60	\$ 373.74	\$ 774.47	\$ 400.73	107.2%
70	\$ 449.32	\$ 786.88	\$ 337.56	75.1%
80	\$ 524.89	\$ 799.29	\$ 274.40	52.3%
90	\$ 600.47	\$ 811.70	\$ 211.23	35.2%
100	\$ 676.05	\$ 824.11	\$ 148.07	21.9%
125	\$ 864.99	\$ 855.14	\$ (9.85)	-1.1%
150	\$ 1,053.93	\$ 886.17	\$ (167.76)	-15.9%
200	\$ 1,431.82	\$ 948.23	\$ (483.59)	-33.8%
250	\$ 1,809.70	\$ 1,010.28	\$ (799.42)	-44.2%
300	\$ 2,187.59	\$ 1,072.34	\$ (1,115.25)	-51.0%
400	\$ 2,943.36	\$ 1,196.46	\$ (1,746.90)	-59.4%
500	\$ 3,699.13	\$ 1,320.57	\$ (2,378.56)	-64.3%
1,000	\$ 5,712.53	\$ 1,941.14	\$ (3,771.39)	-66.0%
2,000	\$ 9,739.33	\$ 3,182.28	\$ (6,557.05)	-67.3%
3,000	\$ 13,766.13	\$ 4,423.42	\$ (9,342.71)	-67.9%
4,000	\$ 17,792.93	\$ 5,664.56	\$ (12,128.37)	-68.2%
5,000	\$ 21,819.73	\$ 6,905.69	\$ (14,914.03)	-68.4%
6,000	\$ 25,846.53	\$ 8,146.83	\$ (17,699.69)	-68.5%
7,000	\$ 29,873.33	\$ 9,387.97	\$ (20,485.35)	-68.6%
8,000	\$ 33,900.13	\$ 10,629.11	\$ (23,271.02)	-68.6%
9,000	\$ 37,926.93	\$ 11,870.25	\$ (26,056.68)	-68.7%
10,000	\$ 41,953.73	\$ 13,111.39	\$ (28,842.34)	-68.7%
20,000	\$ 82,221.73	\$ 25,522.78	\$ (56,698.95)	-69.0%
30,000	\$ 122,489.73	\$ 37,934.17	\$ (84,555.56)	-69.0%



UGI Utilities, Inc. - Gas Division  
Comparison of Present and Proposed Rates  
Rate Schedule N - LFD

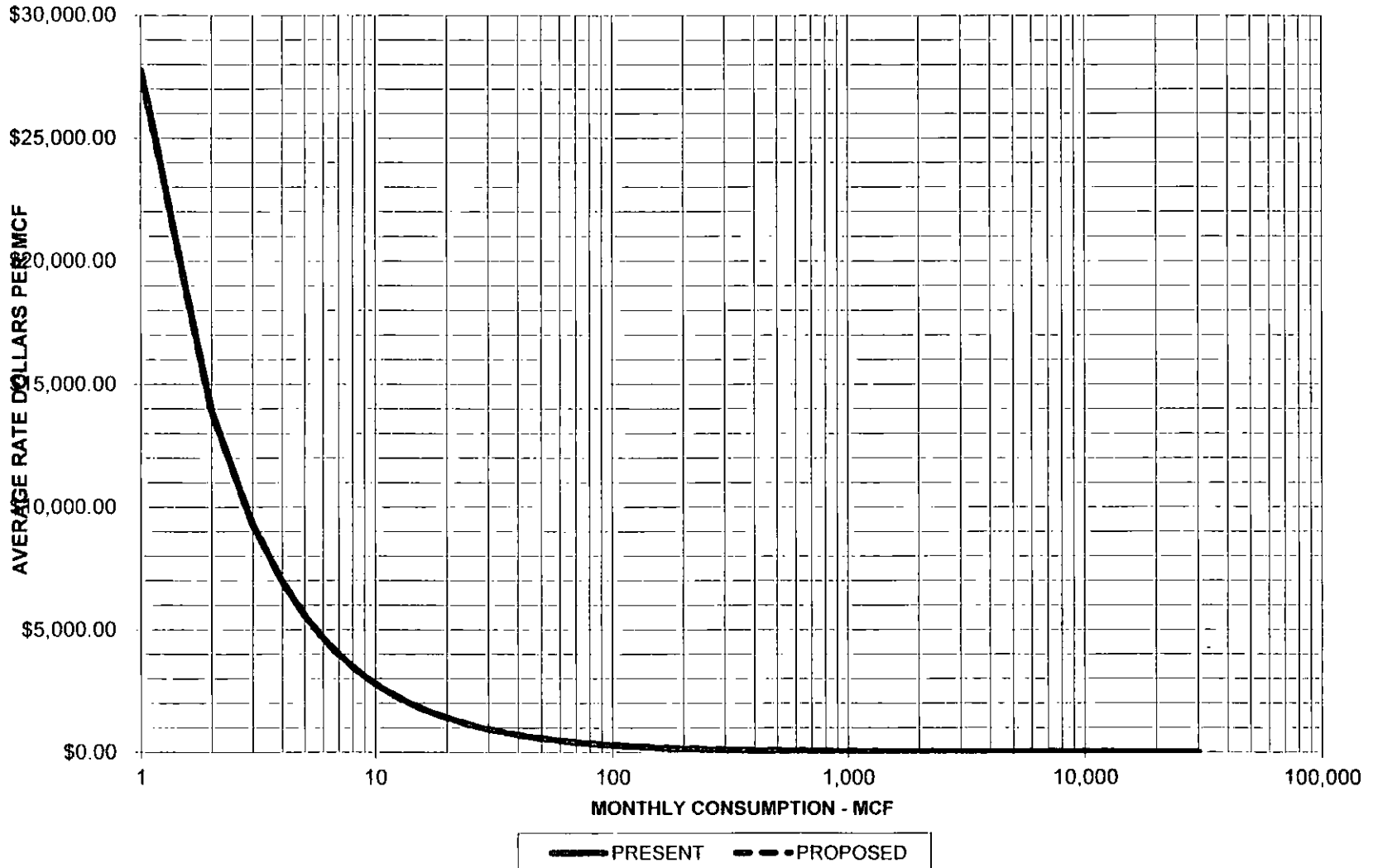
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**UGI Utilities, Inc. - Gas Division**  
**Extended Large Firm Delivery Service - Rate Schedule XD**  
**Calculation of the Effect of Proposed Rates**

<b>MCF</b>	<b>Bills Under Present Rates</b>	<b>Bills Under Proposed Rates</b>	<b>Increase Amount</b>	<b>Increase Percent</b>
-	\$ 27,735.61	\$ 27,735.61	\$ (0.00)	0.0%
1	\$ 27,735.77	\$ 27,735.77	\$ (0.00)	0.0%
2	\$ 27,735.93	\$ 27,735.93	\$ (0.00)	0.0%
3	\$ 27,736.09	\$ 27,736.09	\$ (0.00)	0.0%
4	\$ 27,736.25	\$ 27,736.25	\$ (0.00)	0.0%
5	\$ 27,736.41	\$ 27,736.41	\$ (0.00)	0.0%
6	\$ 27,736.58	\$ 27,736.58	\$ (0.00)	0.0%
7	\$ 27,736.74	\$ 27,736.74	\$ (0.00)	0.0%
8	\$ 27,736.90	\$ 27,736.90	\$ (0.00)	0.0%
9	\$ 27,737.06	\$ 27,737.06	\$ (0.00)	0.0%
10	\$ 27,737.22	\$ 27,737.22	\$ (0.00)	0.0%
11	\$ 27,737.38	\$ 27,737.38	\$ (0.00)	0.0%
12	\$ 27,737.54	\$ 27,737.54	\$ (0.00)	0.0%
13	\$ 27,737.70	\$ 27,737.70	\$ (0.00)	0.0%
14	\$ 27,737.86	\$ 27,737.86	\$ (0.00)	0.0%
15	\$ 27,738.02	\$ 27,738.02	\$ (0.00)	0.0%
16	\$ 27,738.18	\$ 27,738.18	\$ (0.00)	0.0%
17	\$ 27,738.34	\$ 27,738.34	\$ (0.00)	0.0%
18	\$ 27,738.50	\$ 27,738.50	\$ (0.00)	0.0%
19	\$ 27,738.66	\$ 27,738.66	\$ (0.00)	0.0%
20	\$ 27,738.83	\$ 27,738.83	\$ (0.00)	0.0%
25	\$ 27,739.63	\$ 27,739.63	\$ (0.00)	0.0%
30	\$ 27,740.43	\$ 27,740.43	\$ (0.00)	0.0%
35	\$ 27,741.24	\$ 27,741.24	\$ (0.00)	0.0%
40	\$ 27,742.04	\$ 27,742.04	\$ (0.00)	0.0%
45	\$ 27,742.84	\$ 27,742.84	\$ (0.00)	0.0%
50	\$ 27,743.65	\$ 27,743.65	\$ (0.00)	0.0%
60	\$ 27,745.25	\$ 27,745.25	\$ (0.00)	0.0%
70	\$ 27,746.86	\$ 27,746.86	\$ (0.00)	0.0%
80	\$ 27,748.47	\$ 27,748.47	\$ (0.00)	0.0%
90	\$ 27,750.07	\$ 27,750.07	\$ (0.00)	0.0%
100	\$ 27,751.68	\$ 27,751.68	\$ (0.00)	0.0%
125	\$ 27,755.70	\$ 27,755.70	\$ (0.00)	0.0%
150	\$ 27,759.72	\$ 27,759.72	\$ (0.00)	0.0%
200	\$ 27,767.75	\$ 27,767.75	\$ (0.00)	0.0%
250	\$ 27,775.79	\$ 27,775.79	\$ (0.00)	0.0%
300	\$ 27,783.82	\$ 27,783.82	\$ (0.00)	0.0%
400	\$ 27,799.89	\$ 27,799.89	\$ (0.00)	0.0%
500	\$ 27,815.96	\$ 27,815.96	\$ (0.00)	0.0%
1,000	\$ 27,896.31	\$ 27,896.31	\$ (0.00)	0.0%
2,000	\$ 28,057.01	\$ 28,057.01	\$ (0.00)	0.0%
3,000	\$ 28,217.71	\$ 28,217.71	\$ (0.00)	0.0%
4,000	\$ 28,378.41	\$ 28,378.41	\$ (0.00)	0.0%
5,000	\$ 28,539.11	\$ 28,539.11	\$ (0.00)	0.0%
6,000	\$ 28,699.81	\$ 28,699.81	\$ (0.00)	0.0%
7,000	\$ 28,860.51	\$ 28,860.50	\$ (0.00)	0.0%
8,000	\$ 29,021.20	\$ 29,021.20	\$ (0.00)	0.0%
9,000	\$ 29,181.90	\$ 29,181.90	\$ (0.00)	0.0%
10,000	\$ 29,342.60	\$ 29,342.60	\$ (0.00)	0.0%
20,000	\$ 30,949.59	\$ 30,949.59	\$ (0.00)	0.0%
30,000	\$ 32,556.58	\$ 32,556.58	\$ (0.00)	0.0%

UGI Utilities, Inc. - Gas Division  
Comparison of Present and Proposed Rates  
Rate Schedule XD



**UGI Utilities, Inc. - Gas Division**  
**Interruptible Service - Rate Schedule IS**  
**Calculation of the Effect of Proposed Rates**

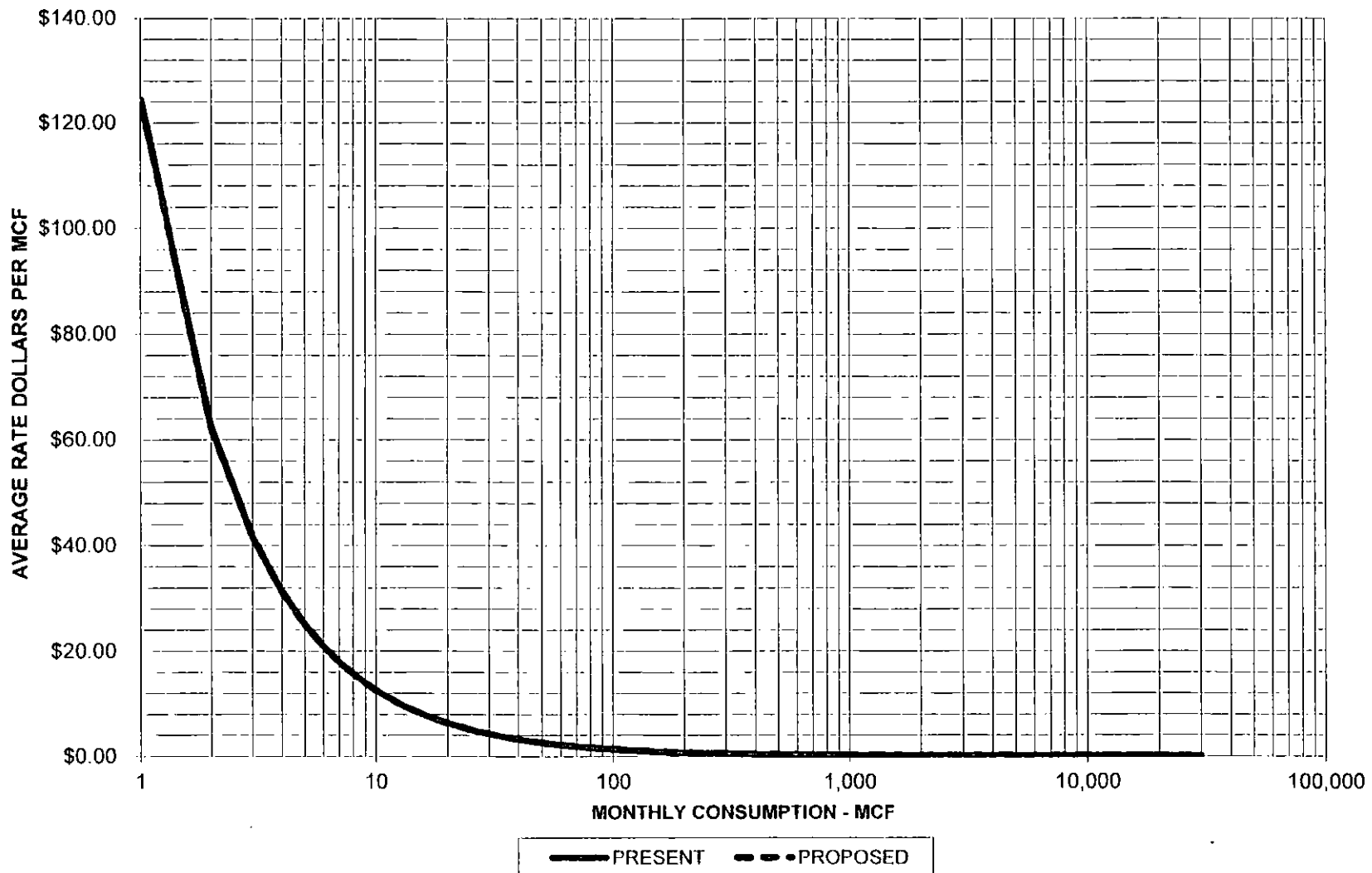
<b>MCF</b>	<b>Bills Under Present Rates</b>	<b>Bills Under Proposed Rates</b>	<b>Increase Amount</b>	<b>Increase Percent</b>
-	\$ 124.22	\$ 124.22	\$ -	0.0%
1	\$ 124.31	\$ 124.31	\$ -	0.0%
2	\$ 124.40	\$ 124.40	\$ -	0.0%
3	\$ 124.49	\$ 124.49	\$ -	0.0%
4	\$ 124.58	\$ 124.58	\$ -	0.0%
5	\$ 124.66	\$ 124.66	\$ -	0.0%
6	\$ 124.75	\$ 124.75	\$ -	0.0%
7	\$ 124.84	\$ 124.84	\$ -	0.0%
8	\$ 124.93	\$ 124.93	\$ -	0.0%
9	\$ 125.01	\$ 125.01	\$ -	0.0%
10	\$ 125.10	\$ 125.10	\$ -	0.0%
11	\$ 125.19	\$ 125.19	\$ -	0.0%
12	\$ 125.28	\$ 125.28	\$ -	0.0%
13	\$ 125.37	\$ 125.37	\$ -	0.0%
14	\$ 125.45	\$ 125.45	\$ -	0.0%
15	\$ 125.54	\$ 125.54	\$ -	0.0%
16	\$ 125.63	\$ 125.63	\$ -	0.0%
17	\$ 125.72	\$ 125.72	\$ -	0.0%
18	\$ 125.81	\$ 125.81	\$ -	0.0%
19	\$ 125.89	\$ 125.89	\$ -	0.0%
20	\$ 125.98	\$ 125.98	\$ -	0.0%
25	\$ 126.42	\$ 126.42	\$ -	0.0%
30	\$ 126.86	\$ 126.86	\$ -	0.0%
35	\$ 127.30	\$ 127.30	\$ -	0.0%
40	\$ 127.74	\$ 127.74	\$ -	0.0%
45	\$ 128.18	\$ 128.18	\$ -	0.0%
50	\$ 128.62	\$ 128.62	\$ -	0.0%
60	\$ 129.50	\$ 129.50	\$ -	0.0%
70	\$ 130.38	\$ 130.38	\$ -	0.0%
80	\$ 131.26	\$ 131.26	\$ -	0.0%
90	\$ 132.14	\$ 132.14	\$ -	0.0%
100	\$ 133.02	\$ 133.02	\$ -	0.0%
125	\$ 135.21	\$ 135.21	\$ -	0.0%
150	\$ 137.41	\$ 137.41	\$ -	0.0%
200	\$ 141.81	\$ 141.81	\$ -	0.0%
250	\$ 146.20	\$ 146.20	\$ -	0.0%
300	\$ 150.60	\$ 150.60	\$ -	0.0%
400	\$ 159.39	\$ 159.39	\$ -	0.0%
500	\$ 168.18	\$ 168.18	\$ -	0.0%
1,000	\$ 212.14	\$ 212.14	\$ -	0.0%
2,000	\$ 300.05	\$ 300.05	\$ -	0.0%
3,000	\$ 387.97	\$ 387.97	\$ -	0.0%
4,000	\$ 475.88	\$ 475.88	\$ -	0.0%
5,000	\$ 563.79	\$ 563.79	\$ -	0.0%
6,000	\$ 651.71	\$ 651.71	\$ -	0.0%
7,000	\$ 739.62	\$ 739.62	\$ -	0.0%
8,000	\$ 827.54	\$ 827.54	\$ -	0.0%
9,000	\$ 915.45	\$ 915.45	\$ -	0.0%
10,000	\$ 1,003.36	\$ 1,003.36	\$ -	0.0%
20,000	\$ 1,882.50	\$ 1,882.50	\$ -	0.0%
30,000	\$ 2,761.64	\$ 2,761.64	\$ -	0.0%

**UGI Utilities, Inc. - Gas Division  
Comparison of Present and Proposed Rates  
Rate Schedule IS**

Attachment IV-B-7

D. Lahoff

Page 28 of 28



UGI Utilities, Inc. - Gas Division  
Docket No. R-2015-2518438  
2016 Base Rate Case  
Responses to Section 53.53 - IV-B - Rate Structure - Gas Utilities  
Delivered on January 19, 2016

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IV-B-8

Request:

Supply a map showing the Gas System Facilities and Gas Service Areas. The map should include transmission lines, distribution lines, other companies' lines interconnecting with the interconnecting points clearly designated, major compressor stations, gas storage areas and gas storage lines. The normal direction of gas flow within the transmission system should be indicated by arrows. Separate service areas within the system should be clearly designated.

Response:

Please see the response to I-C-2.

Prepared by or under the supervision of: Hans G. Bell

UGI Utilities, Inc. - Gas Division  
Docket No. R-2015-2518438  
2016 Base Rate Case  
Responses to Section 53.53 - IV-B - Rate Structure - Gas Utilities  
Delivered on January 19, 2016

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IV-B-9

Request:

Supply a cost analysis supporting minimum charges for all rate schedules.

Response:

Please see UGI Gas Exhibit D.

Prepared by or under the supervision of: Paul R. Herbert

UGI Utilities, Inc. - Gas Division  
Docket No. R-2015-2518438  
2016 Base Rate Case  
Responses to Section 53.53 - IV-B - Rate Structure - Gas Utilities  
Delivered on January 19, 2016

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IV-B-10

Request:

Supply a cost analysis supporting demand charges for all tariffs which contain demand charges.

Response:

Please see UGI Gas Exhibit D.

Prepared by or under the supervision of: Paul R. Herbert



UGI Utilities, Inc. - Gas Division  
Docket No. R-2015-2518438  
2016 Base Rate Case  
Responses to Section 53.53 - IV-B - Rate Structure - Gas Utilities  
Delivered on January 19, 2016

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IV-B-11

Request:

Supply the net fuel clause adjustment by month for the test year.

Response:

Please see the response to III-E-18.

Prepared by or under the supervision of: David E. Lahoff

UGI Utilities, Inc. - Gas Division  
Docket No. R-2015-2518438  
2016 Base Rate Case  
Responses to Section 53.53 - IV-B - Rate Structure - Gas Utilities  
Delivered on January 19, 2016

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IV-B-12

Request:

Supply a tabulation of base rate bills for each rate schedule comparing the existing rates to proposed rates. The tabulation should show the dollar difference and the per cent increase or decrease.

Response:

Please see the Direct Testimony of David E. Lahoff, UGI Gas Statement No. 6, and the response to IV-B-7.

Prepared by or under the supervision of: David E. Lahoff

UGI Utilities, Inc. - Gas Division  
Docket No. R-2015-2518438  
2016 Base Rate Case  
Responses to Section 53.53 - IV-B - Rate Structure - Gas Utilities  
Delivered on January 19, 2016

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IV-B-13

Request:

Submit the projected demands for all customer classes for both purchased and produced gas for the three years following the test year filing.

Response:

Please reference Attachment 4-1 of UGI Gas' 1307(f) Purchased Gas Cost pre-filing which was filed on May 1, 2015 and is being provided in electronic format as Attachment III-E-25.

Prepared by or under the supervision of: Paul J. Szykman

UGI Utilities, Inc. - Gas Division  
Docket No. R-2015-2518438  
2016 Base Rate Case  
Responses to Section 53.53 - IV-B - Rate Structure - Gas Utilities  
Delivered on January 19, 2016

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IV-B-14

Request:

Supply an exhibit showing the gas deliveries to each customer class for the most recent 24 month period. The exhibit should identify the source of the gas, such as "purchased" (pipeline), "production" (includes purchases from local producers), "storage withdrawal," "propane/air," and "unaccounted for."

Response:

Please see Attachment IV-B-14 for pipeline deliveries to each customer class, and unaccounted for gas.

Please see Attachment III-E-36 for storage withdrawals and gas purchases which includes propane/air deliveries.

Prepared by or under the supervision of: Paul J. Szykman

**UGI Utilities, Inc. - Gas Division  
Deliveries by Rate Class (Mcf)**

<b>Year</b>	<b>Month</b>	<b>Residential</b>	<b>Commercial</b>	<b>Industrial</b>	<b>Transportation (DS)</b>	<b>Transportation (All Others)</b>	<b>Company Use</b>	<b>Unaccounted for Gas</b>
2013	October	1,150,024	753,952	22,948	191,032	6,329,808	6,322	108,203
2013	November	2,813,554	1,687,771	55,072	415,060	6,128,587	10,841	433,192
2013	December	3,894,133	2,526,352	92,424	705,432	6,357,521	18,383	210,606
2014	January	5,524,917	3,559,884	134,516	823,808	5,681,411	21,122	521,343
2014	February	4,391,123	2,906,831	132,104	816,703	6,280,165	21,485	-390,503
2014	March	3,758,541	2,403,456	88,912	701,494	7,733,539	20,379	-248,284
2014	April	1,680,427	1,068,159	37,796	341,746	3,734,478	18,371	-401,250
2014	May	574,860	590,244	16,209	134,158	4,718,920	9,968	-176,379
2014	June	446,035	394,841	7,645	108,049	5,957,189	8,457	42,081
2014	July	401,817	396,576	6,926	130,307	6,565,843	7,350	13,388
2014	August	353,522	405,811	8,066	128,717	6,642,614	6,343	-87,921
2014	September	914,865	589,333	11,556	180,684	6,507,620	7,164	-17,539
2014	October	919,381	670,643	18,541	205,002	7,329,111	8,388	-170,868
2014	November	3,040,411	1,807,508	63,837	397,723	5,252,775	12,570	423,383
2014	December	3,570,865	2,413,443	103,365	787,579	7,466,746	17,828	-116,475
2015	January	5,339,727	3,415,390	145,456	835,018	7,681,489	20,994	501,304
2015	February	5,417,972	3,521,771	207,563	890,195	5,171,918	19,977	-36,853
2015	March	3,861,199	2,508,429	59,230	850,254	6,300,488	24,940	-493,484
2015	April	1,582,025	1,036,358	43,679	297,536	5,276,113	15,988	-223,417
2015	May	588,414	518,493	27,055	133,114	6,809,520	12,953	8,770
2015	June	575,032	465,346	-1,305	149,019	6,681,726	10,184	285,537
2015	July	448,150	412,111	8,737	157,586	7,250,860	9,753	22,742
2015	August	446,949	425,165	8,601	158,290	7,109,166	8,426	51,916
2015	September	533,296	460,061	8,121	170,904	6,801,244	8,122	-45,195

**INDEX OF ATTACHMENTS ON CD**

**UGI UTILITIES, INC. – GAS DIVISION  
2016 BASE RATE CASE  
DOCKET NO. R-2015-2518438**

**BOOK I**

**INDEX OF ATTACHMENTS ON CD**

Attachment III-A-22.2

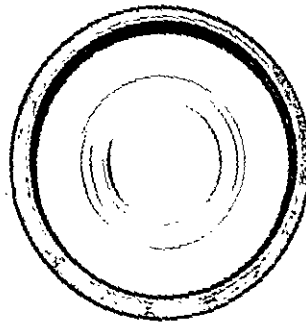
Attachments III-E-25.1 through III-E-25.3

Attachment IV-B-5

**CD CONTAINING ATTACHMENTS**



UGI UTILITIES, INC. – GAS DIVISION  
2016 BASE RATE CASE  
DOCKET NO. R-2015-2518438



BOOK I  
ATTACHMENTS  
CD 1 OF 1

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

<u>Affiliate</u>	<u>Effective Dates</u>	<u>Docket #</u>	<u>Details</u>
UGI Corporation	May 1992	G-00920296	This Agreement sets forth the terms by which Utilities may provide administrative services to or receive services from Holding Company and its unregulated subsidiaries. These services will be provided on a cost basis.
	July 2003	G-00031008	Arrangement between UGI Utilities, Inc. and UGI Corporation and its subsidiaries under which Utilities would provide pipeline engineering, construction, maintenance and related services at to UGI Companies at the higher of market rates or cost.
UGI Penn Natural Gas, Inc.	Mar 27, 2015 - Mar. 26, 2020	G-2015-2489771 S-2015-2490205	Affiliate Interest Agreement permitting UGI Penn Natural Gas, Inc. to borrow funds from UGI Utilities, Inc. up to \$150 million.
UGI Central Penn Gas, Inc.	Mar 27, 2015 - Mar. 26, 2020	G-2015-2489752 S-2015-2490184	Affiliate Interest Agreement permitting UGI Central Penn Gas, Inc. to borrow funds from UGI Utilities, Inc. up to \$50 million.
UGI Energy Services, LLC	April 2004	G-00041075	Affiliate Interest Agreement regarding ground to be leased by UGI Energy Services, LLC from UGI Utilities, Inc. and office space to be leased by UGI Utilities, Inc. from UGI Energy Services, LLC.
	Aug. 2007	G-00970552	This is an Agreement whereby Utilities would buy gas from or sell gas to GASMARK at prevailing market rates.
	March 1999	G-00980646	This Agreement seeks Commission approval whereby Utilities would buy electric generation service from Energy Services at below or prevailing market rates, for its own use at facilities throughout its service territories.
Amerigas, Inc.	July 1, 2013 - June 30, 2016		Affiliated Interest Agreement between UGI Utilities, Inc. and Amerigas to support the Gas-Beyond -the-Mains customers.
UGI HVAC	Dec. 2005	G-00051142	Affiliate Interest Agreement in which UGI HVAC will reimburse UGIU for allocated costs related to use of space at UGIU facilities.
	Feb. 2007	G-00071217	Affiliated Interest Agreement of UGI Utilities, Inc. and UGI Penn Natural Gas, Inc. with UGI HVAC Services, Inc. and UGI HVAC Enterprises (1) natural gas distribution facility installation, maintenance, testing and repair services and associated equipment (hereafter "Natural Gas Operations Services") and (2) heating, air conditioning, ventilating, plumbing, electric contracting and/or related services and associated equipment from the UGI HVAC Companies at market prices.
	Sep. 2015	G-2015-2496916	Affiliated Interest Agreement between UGI Utilities, Inc and UGI HVAC Enterprises, Inc. for the transfer of utility work vehicles.
United Valley Insurance Co.	June 1993	G-00930344	Affiliate Interest Agreement for insurance coverage through United Valley Insurance Co. Coverage through the affiliate is not mandatory and may be purchased through other independent companies when costs or coverage are more advantageous.
UGI Sunbury, LLC	June 2015	G-2015-2467129	Affiliated Interest Agreement between UGI Utilities, Inc., UGI Penn Natural Gas, Inc. and UGI Sunbury, LLC regarding the Sunbry Pipeline.

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI Energy Services Affiliate Interest Agreement G-00041075



COMMONWEALTH OF PENNSYLVANIA  
PENNSYLVANIA PUBLIC UTILITY COMMISSION  
P.O. BOX 3265, HARRISBURG, PA 17105-3265

IN REPLY PLEASE  
REFER TO OUR FILE

OCTOBER 20, 2004

G-00041075

MARK C MORROW  
UGI UTILITIES INC  
460 NORTH GULPH ROAD  
KING OF PRUSSIA PA 19406

Re: Affiliated Interest Agreement between UGI Utilities, Inc. and  
UGI Energy Services, Inc.

Dear Mr. Morrow:

On August 6, 2004, UGI Utilities, Inc. ("UGI") and UGI Energy Services, Inc. ("Energy Services") filed an Affiliated Interest Agreement. This agreement is filed in accordance with the requirements of Section 2102(b) of the Public Utility Code, 66 Pa. C.S. §2102(b). On August 16, 2004, the Commission extended the period for consideration of this Agreement until further order of the Commission.

The Agreement relates to certain ground Energy Services would lease from UGI and certain office space that UGI would lease from Energy Services.

Upon review of the companies' filing, it does not appear that this filing is unreasonable or contrary to the public interest. Therefore, this filing is hereby approved. However, approval of this filing does not constitute a determination that such filing is consistent with the public interest, and that the associated costs or expenses are reasonable or prudent for the purposes of determining just and reasonable rates. Furthermore, the Commission's approval is contingent upon the possibility that subsequent audits, reviews, and inquiry, in any Commission proceeding, may be conducted, pursuant to 66 Pa. C.S. §§2102, *et seq.*

In addition, this approval will apply only to the agreement(s), service(s), matters, and parties specifically and clearly defined under this instant filing as well as under any associated and previously filed filings.

Sincerely,

James J. McNulty  
Secretary

cc: Kerry Klinefelter, FUS  
Scott Rhodes, Secretary's Bureau

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI Energy Services Affiliate Interest Agreement G-00041075



UGI Utilities, Inc.  
460 North Gulph Road  
King of Prussia, PA 19406  
Post Office Box 858  
Valley Forge, PA 19482-0858  
(610) 337-1000 Telephone  
(610) 992-3255 Fax

**VIA EXPRESS MAIL**

James J. McNulty, Secretary  
Pennsylvania Public Utility Commission  
Commonwealth Keystone Building  
400 North Street  
Harrisburg, PA 17120

Re: **Affiliated Interest Filing of UGI Utilities, Inc.**  
Docket No. \_\_\_\_\_

Dear Secretary McNulty:

Pursuant to Section 2102(a) and (b) of the Public Utility Code, 66 Pa.C.S. §2102(a) and (b), UGI Utilities, Inc. ("UGI Utilities") submits for the Commission's approval a proposed arrangement whereby UGI Utilities would lease to its affiliate, UGI Energy Services, Inc. ("Energy Services"), certain ground located in Bethlehem, Reading and Swatara Township, Pennsylvania, and would lease from Energy Services certain office space located in Ontelaunee Township, Pennsylvania.

In Pennsylvania Public Utility Commission v. UGI Utilities, Inc. - Gas Division, Docket No. R-00994786 (Order entered March 14, 2001), the Commission approved a Stipulation in Settlement resolving certain outstanding issues in UGI Utilities' gas restructuring proceeding. A copy of the Commission's March 14, 2001 Order and the associated Stipulation in Settlement is attached as Exhibit A hereto.

Under the approved Stipulation in Settlement UGI Utilities agreed, amongst other things, to greatly expand its customer assistance programs. The Stipulation in Settlement also authorized, subject to final Commission approval of an application filed under Section 1102 of

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI Energy Services Affiliate Interest Agreement G-00041075

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the Public Utility Code, the transfer of certain liquefied natural gas ("LNG") and propane/air peaking assets from UGI Utilities to an unregulated affiliate at net book value. In connection with this transfer, UGI agreed to conduct a request for proposal ("RFP") for peaking services having the same level of firmness and reliability as that provided by the transferred peaking facilities. If the RFP did not produce a lower price, UGI had the right to purchase peaking services from its affiliate at a cost of \$1.65 million per year plus commodity costs for a three-year period. UGI also agreed to implement a permanent \$1.65 million per year reduction in its base rates in conjunction with the transfer. Following the three-year transition period, UGI was authorized "to purchase peaking services from its affiliate at market-based rates, consistent with UGI's then existing least cost fuel procurement obligations."

Subsequently, in Application of UGI Utilities, Inc. for approval of the transfer of Peaking Assets in accordance with the terms of its restructuring Settlement Agreement, Docket No. A-123100F0028 (Corrected Order entered May 29, 2001), the Commission approved the transfer from UGI Utilities to Energy Services of (1) a LNG facility and associated equipment, inventory, fuel inventory and land located in Ontelaunee Township, Pennsylvania and (2) three propane/air facilities, associated inventory and fuel inventory located in Bethlehem, Reading and Swatara Township, Pennsylvania (collectively the "Peaking Assets"). UGI Utilities retained the land upon which the three propane/air facilities are located. A copy of the Commission's Corrected Order is attached as Exhibit B hereto.

The Peaking Assets were subsequently transferred, UGI Utilities implemented the contemplated \$1.65 million base rate reduction and, after conducting an RFP for peaking services that did not produce a lower priced offer, entered into a three-year peaking services agreement with Energy Services for \$1.65 million per year plus commodity costs. That three year peaking

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI Energy Services Affiliate Interest Agreement G-00041075

services agreement ended as of March 31, 2004, and UGI has now conducted an RFP and agreed to acquire peaking services from Energy Services at market-based rates beginning with its 2004-2005 heating season.

Meanwhile, after the events of September 11, 2001, UGI Utilities agreed, in response to concerns raised about the security of Energy Services' LNG storage facility, to relocate its gas control center to a portion of an Energy Services' building located at that site so that it could be staffed at all times, and reported this fact to Commission safety personnel.

Now that the initial three-year transition period peaking services arrangement has been completed, and UGI Utilities will be acquiring peaking services at market-based prices, UGI Utilities wishes to enter into leases with Energy Services for the space occupied by each at the facilities of the other. Specifically, conditioned on the Commission's prior approval of this affiliated interest arrangement, UGI Utilities, as tenant, shall enter into a lease for the office space it occupies at the LNG facility under which it would pay to Energy Services an annual rental fee of twenty-eight thousand sixty-five dollars (\$28,065), for the period commencing April 1, 2004. The annual rental fee was determined by multiplying the square footage of space occupied by UGI Utilities by \$15/square foot, and is reflective of the lower range of office prices in the area. The per square foot rental fee may be adjusted annually by an amount no greater than the increase or decrease in the producer price index. In addition, the total rental amount may be adjusted to reflect increases or decreases in the portion of the office building utilized by UGI Utilities.

In turn, conditioned on the Commission's approval of this affiliated interest agreement, for the period commencing April 1, 2004, Energy Services shall pay to UGI Utilities, as landlord, shall enter into a lease(s) for the land occupied by Energy Services' peak shaving facilities under

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI Energy Services Affiliate Interest Agreement G-00041075

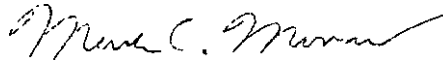
which Energy Services would pay to UGI Utilities an annual rental fee of fifteen thousand seven hundred fifty-five dollars (\$15,755) for the property its peaking facilities utilize in Bethlehem, three thousand three hundred ninety-eight dollars (\$3,398) for the property its peaking facilities utilize in Reading, and ten thousand three hundred thirteen dollars (\$10,313) for the property its peaking facilities utilize in Swatara Township. These proposed rental fees reflect current land rental values in the areas where the propane/air facilities are located. The per square foot rental fees may be adjusted annually by an amount no greater than the increase or decrease in the producer price index. In addition, the total rental amount may be adjusted to reflect increases or decreases in the portions of the three properties utilized by Energy Services.

In connection with the execution of standard commercial leases, Utilities and Energy Services may also commit to commercially reasonable terms addressing taxes, utilities, maintenance, indemnification, rights and obligations with respect to improvements, eminent domain, restitution for property damage and other associated matters.

UGI Utilities understands and acknowledges that the Commission's approval of this affiliated interest agreement would not preclude the Commission from investigating, in any future proceeding, the reasonableness of any charges under this arrangement.

Should you have any questions concerning this filing, please feel free to contact me.

Very truly yours,



Mark C. Morrow

Counsel for UGI Utilities, Inc.

Dated August 6, 2004

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies


UGI Energy Services Affiliate Interest Agreement G-00041075

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AFFIDAVIT

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VICKI O. EBNER, deposes and says that she is Vice President - Marketing and Gas Supply for UGI Utilities, Inc. - Gas Division; that she is duly authorized to and does make this Affidavit on its behalf, that the affiliated interest arrangement summarized in the foregoing document are true and correct to the best of her knowledge information and belief, and that this Affidavit is made subject to the penalties of 18 Pa.C.S. §4904 (relating to unsworn falsification to authorities).



Vicki O. Ebner



UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI Energy Services Affiliate Interest Agreement G-00041075

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EXHIBIT A

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI Energy Services Affiliate Interest Agreement G-00041075



COMMONWEALTH OF PENNSYLVANIA  
PENNSYLVANIA PUBLIC UTILITY COMMISSION  
P.O. BOX 3265, HARRISBURG, PA 17105-3265

March 14, 2001

IN REPLY PLEASE  
REFER TO THIS FILE

R-00994786

MARK C MORROW ESQUIRE  
UGI UTILITIES INC-GAS DIVISION  
100 KACHEL BLVD SUITE 400  
P O BOX 12677  
READING PA 19612-2677

MAR 16 2001

MCM

Pennsylvania Public Utility Commission  
v.  
UGI Utilities, Inc. - Gas Division

To Whom It May Concern:

This is to advise you that the Commission in Public Meeting on March 8, 2001 has adopted an Order in the above entitled proceeding.

An Order has been enclosed for your records.

Very truly yours,

James J. McNulty  
Secretary

law  
encls  
cert. mail

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI Energy Services Affiliate Interest Agreement G-00041075

PENNSYLVANIA  
PUBLIC UTILITY COMMISSION  
Harrisburg, PA 17105-3265

MAR 16 2001

WOM

Public Meeting held March 8, 2001

Commissioners Present:

John M. Quain, Chairman  
Robert K. Bloom, Vice Chairman  
Nora Mead Brownell  
Aaron Wilson, Jr.  
Terrence J. Fitzpatrick

Pennsylvania Public Utility Commission

R-00994786

v.

UGI Utilities, Inc. - Gas Division

ORDER

BY THE COMMISSION:

By Order entered June 29, 2000, the Commission referred various UGI Customer Assistance Program issues to the Office of Administrative Law Judge for mediation and possible resolution. The parties submitted a "Stipulation In Settlement" of those issues for our review. We find that the Stipulation, as clarified by the letter of counsel dated February 5, 2001, is in the public interest and we accept it as an appropriate resolution; THEREFORE,

IT IS ORDERED:

1. That the Stipulation In Settlement submitted by the parties is hereby approved, as filed and without modification, to be effective in accordance with the provisions at subparagraph 12.e of the stipulation.

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI Energy Services Affiliate Interest Agreement G-00041075

2. That UGI Utilities, Inc. - Gas Division is hereby authorized to file a tariff supplement implementing the base rate reduction agreed to in the settlement, to be effective on one day's notice.

BY THE COMMISSION,

*James J. McNulty*  
James J. McNulty  
Secretary

(SEAL)

ORDER ADOPTED: March 8, 2001

ORDER ENTERED: **MAR 8 4 2001**

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI Energy Services Affiliate Interest Agreement G-00041075

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Morgan, Lewis  
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C O U N S E L O R S   A T   L A W

February 5, 2001

VIA HAND DELIVERY

FEB 09 2001

MCM

James J. McNulty, Secretary  
Pennsylvania Public Utility Commission  
Commonwealth Keystone Building  
400 North Street, 2<sup>nd</sup> Floor  
P.O. Box 3265  
Harrisburg, PA 17105-3265

Re: Pennsylvania Public Utility Commission v. UGI Utilities,  
Inc. - Gas Division, Docket No. R-00994786

Dear Secretary McNulty:

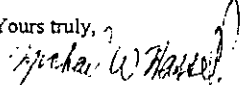
On January 29, 2001, a Stipulation in Settlement was filed in the above-referenced proceeding. It has been brought to our attention that there was a misstatement made in the "Conclusion" section of the Stipulation.

Item 3 of Section VII Conclusion requests that the Pennsylvania Public Utility Commission ("Commission") "[a]pprove the tariff supplement attached to this Stipulation." This statement was incorrect, because there was no tariff supplement attached to the Stipulation. Instead, this paragraph should read as follows:

"3. Authorize UGI Utilities, Inc. - Gas Division to file a tariff supplement implementing the base rate reduction agreed to in this Stipulation, to be effective on one day's notice."

This is consistent with the procedures described in Paragraph 12.c. of the Stipulation.

We apologize for any confusion this may have caused.

Yours truly,  
  
Michael W. Hassell  
Counsel for UGI Utilities, Inc. -  
Gas Division

cc: Service List

1-HA/92548 Philadelphia Washington New York Los Angeles Miami Harrisburg Pittsburgh Princeton  
London Brussels Frankfurt Tokyo Singapore Jakarta (separated office)

UGI Utilities, Inc. - Gas Division  
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UGI Energy Services Affiliate Interest Agreement G-00041075

BEFORE THE  
PENNSYLVANIA PUBLIC UTILITY COMMISSION

Pennsylvania Public Utility	:	
Commission,	:	
	:	
Petitioner	:	Docket No. R-00994786
	:	
v.	:	
	:	
UGI Utilities, Inc. - Gas Division,	:	
	:	
Respondent	:	

STIPULATION IN SETTLEMENT

I. INTRODUCTION

1. UGI Utilities, Inc.-Gas Division ("UGI"), the Office of Consumer Advocate ("OCA"), and the Commission on Economic Opportunity ("CEO") (collectively the "Joint Petitioners"), parties to the above-captioned proceeding, request the Pennsylvania Public Utility Commission ("Commission") to approve this Stipulation and issue appropriate orders implementing its terms in accordance with the procedures outlined below.<sup>1</sup>

2. In summary, the Stipulation provides for final resolution of all outstanding issues in UGI's gas restructuring proceeding. The major terms of the Stipulation include a significant expansion of UGI's CAP program, changes in the CAP program design to encourage customer participation, the establishment of a CAP Advisory Committee, a revision to credit and collection policies for CAP customers, implementation of a low-income solar pilot program, the retention of CEO as the community-based-organization

<sup>1</sup> Attached as Appendix A hereto is a letter from the UGI Industrial Intervenors indicating that they do not oppose this Stipulation In Settlement. Attached as Appendix B hereto is a letter from the Office of Small

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for the Company's Hazleton area service territory, provisions for funding the CAP program expansion, and the transfer of certain peaking facilities from UGI to an unregulated affiliate, with an associated base rate reduction and provision for an RFP for peaking service. For the reasons set forth below, the Joint Petitioners believe that this Stipulation is just and reasonable and in the public interest and ask the Commission to approve it on an expedited basis.

**II. BACKGROUND**

3. In accordance with the requirements of the Natural Gas Choice and Competition Act, 66 Pa.C.S. Chapter 22 (the "Competition Act"), and the schedule established by Commission Order, UGI filed its Gas Restructuring Plan on October 1, 1999. This filing dealt with numerous issues, including rate unbundling and realignment procedures for assigning capacity to natural gas suppliers, the establishment of rules for customer choice, cost deferral and recovery, customer education, and universal service issues.

4. The Commission thereafter assigned UGI's restructuring filing to Administrative Law Judge Cynthia Williams Fordham (the "ALJ") for hearings and issuance of a Recommended Decision. Numerous parties intervened and actively participated in the proceeding.

5. After discovery, hearings, testimony, and briefing, the ALJ issued her Recommended Decision on April 5, 2000, which adopted UGI's position on most issues. With respect to CAP issues, however, the Recommended Decision found that UGI had

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Business Advocate indicating that it does not oppose this Stipulation In Settlement.

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failed to file a "needs assessment" of universal service requirements and recommended that universal service issues be deferred for resolution in a future proceeding.

6. On June 29, 2000, the Commission entered its final Opinion and Order (the "June 29 Order"). With respect to CAP issues, the Commission determined that it had the requisite legal authority to order mandatory CAP programs, directed UGI to file a universal service "needs assessment," and directed the parties to mediate certain issues regarding the scope and magnitude of UGI's CAP program.

7. On July 14, 2000, UGI filed a Petition for Reconsideration of the Commission's June 29 Order. Also on July 14, 2000, the OCA filed a Petition for Clarification of the Commission's June 29 Order. UGI and CEO thereafter filed petitions for review of the Commission's June 29 Order with the Commonwealth Court.

8. On July 20, 2000, the Commission granted UGI's Petition for Reconsideration and the OCA's Petition for Clarification, pending further consideration of the merits. The Commonwealth Court thereafter struck UGI's and CEO's appeals pursuant to Pennsylvania Rule of Appellate Procedure 1701(b)(3), without prejudice to refiling after the Commission's final Order on Reconsideration.

9. On August 18, 2000, the Commission entered its final Order on the underlying merits of UGI's Petition for Reconsideration and OCA's Petition for Clarification. Thereafter, UGI and CEO refiled their petitions for review of the Commission's June 29 Order.



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10. Throughout the latter part of 2000, the Joint Petitioners engaged in ongoing settlement negotiations in an effort to resolve these proceedings without further litigation. Those negotiations resulted in the instant Stipulation.

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**III. TERMS AND CONDITIONS OF THE SETTLEMENT**

11. The Joint Petitioners agree to settle all outstanding issues in UGI's gas restructuring proceeding, as follows:

a. **Expansion of UGI's CAP Program.** UGI will ramp up its CAP to a targeted level of 4000 participants by the end of 2003. The ramp up will target an increase of 1000 customers per year, and will be considered to have met its target of 4000 participants if it reaches the targeted enrollment level at any time prior to the end of 2003.

b. **CAP Program Design Changes**

(1) UGI will remove the requirement that low-income customers on payment arrangements must have at least a \$200 arrearage to participate in UGI's CAP.

(2) UGI will accept automatic enrollment of any customer who has defaulted on one or more payment arrangements within the past year and has received a LIHEAP payment within the past year provided that UGI receives from the Pennsylvania Department of Public Welfare ("DPW") or the customer current income verification and the customer consents to being enrolled in CAP.

(3) UGI will enter into discussions with appropriate agencies to explore the practicality and feasibility of providing income verification for the purpose of automatic enrollment.

(4) UGI will not consider non-cash income such as housing subsidies, food stamps, etc. in determination of income.

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c. CAP Advisory Committee

(1) UGI will establish a universal service advisory committee, which will meet no less than twice a year. The universal service advisory committee will solicit input, as appropriate, from OCA and the Commissioner's Bureau of Consumer Services ("BCS") as part of this process. The purpose of this advisory committee is to facilitate an exchange of information between committee members and the Company. The universal service advisory committee will not file formal reports with the Commission.

(2) The Company will continue to file its CAP-related reports to the Commission and be subject to periodic Commission audits.

d. CAP Credit and Collection Policies

(1) If a CAP participant is not current on his or her CAP bills for at least two consecutive billing cycles, he or she will remain in CAP, but will temporarily not be eligible for the CAP rate. The participant may negotiate a payment arrangement at the current non-CAP budget bill amount plus some contribution towards the CAP arrearage. The non-CAP arrearage, to the extent it was not forgiven, will be reinstated.

(2) UGI will track payments made by participants under such payment arrangements in excess of the non-CAP budget bill amount. When such payments recouped the outstanding CAP arrearage, the participant will once again be

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billed under the CAP rate and their non-CAP arrearages will once more become subject to the arrearage forgiveness provisions of UGI's CAP.

(3) If a CAP participant is not current on his or her CAP bills for at least two consecutive billing cycles, and does not negotiate a payment arrangement in the manner described above or does not live up to such a negotiated payment arrangement, the participant will remain in CAP but will be billed at the normal retail rate. The participant will also have non-CAP arrearages reinstated to the extent that they had not been forgiven under CAP and will be subject to the normal termination procedures applicable to non-CAP customers.

e. Solar Pilot. UGI will implement a one time \$50,000 low-income solar pilot program, and CEO shall operate the program.

f. Community Based Organizations. UGI will engage CEO, at usual and customary rates and terms, to be the administering Community Based Organization ("CBO") for its Low Income Usage Reduction Program ("LIURP") and its CAP in the Hazleton area, an area that currently does not have an administering CBO.

g. Program Funding

(1) UGI will be permitted to recover, through a combination of available OPEB funding and, if necessary, base rate increases, \$1 million per year during the first two years of the ramp up, and \$1.5 million per year thereafter, to cover incremental CAP costs. UGI will retain records of amounts redirected from OPEB

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funding, and will produce such records upon request at the time of its next general base rate proceeding.

(2) In year three and thereafter, however, UGI's CAP funding level shall be decreased by \$333 multiplied by the number of CAP participants it is short of the targeted 3,000 incremental participation level, up to 1500, and by \$667 multiplied by the number of CAP participants between 1501 and 3,000 it is short of the targeted 3,000 incremental participation level. UGI shall also meet with the CAP Advisory Committee to discuss and exchange information pertaining to the reasons why it did not reach the 3,000 incremental target.

(3) To the extent that the redirected OPEB funding currently contained in UGI's base rates is insufficient to cover the funding amounts discussed above, UGI shall be permitted to adjust the base rates of its residential classes to recover the deficiency. At least sixty (60) days prior to the effective date of this rate change, however, UGI will provide the OCA with a copy of an actuarial study showing the amount of OPEB funds projected to be available for redirection, and the OCA will be free to challenge the accuracy of the actuarial study and, to the extent that challenge is sustained by the Commission, the level of UGI's base rate adjustments to the residential classes may be modified accordingly.

(4) The funding mechanisms discussed above will remain in effect until UGI's next general base rate case. The fact that OPEB funding (that may or may not be allocated to several rate classes under the "black box" terms of the settlement of UGI's last general base rate case) is redirected to fund CAP expenditures, or

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adjustments to the base rates of the residential classes are made to fund CAP expenditures pursuant to this agreement, shall not constitute an admission against or prejudice to any position that any party may take in the Company's next general base rate case concerning how CAP or OPEB funding costs are to be allocated prospectively.

(5) UGI's solar pilot program shall be funded from LIURP funds, and UGI shall endeavor to spread the pilot program costs over at least two years.

**h. Peaking Facilities**

(1) The terms of this agreement are contingent upon the Commission granting all necessary approvals and issuing all necessary certificates and orders authorizing UGI to transfer its liquefied natural gas and propane/air facilities (the "Peaking Facilities") to an unregulated affiliate at net book value.

(2) UGI will reduce its base rate by \$1.65 million in connection with the transfer of the Peaking Facilities.

(3) In connection with the transfer of its Peaking Facilities, UGI shall conduct a request for proposal ("RFP") for peaking services having the same level of firmness and reliability as that provided by the transferred Peaking Facilities for a three-year period following the transfer. The award of a peaking service contract pursuant to the RFP may be reviewed in the next annual Section 1307(f) filing of UGI following the award to determine if the contract is consistent with the least cost fuel procurement obligations of UGI under Sections 1307(f) and 1318 of the Public Utility

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Code. If the contract is deemed to meet these obligations, the OCA shall not challenge the contract in subsequent Section 1307(f) proceedings.

(4) If this RFP does not produce an offer to provide peaking services having the same level of firmness and reliability as that provided by the Peaking Facilities at a cost equal to or less than \$1.65 million per year plus commodity costs for the three-year period, UGI shall have the right to acquire peaking services from its unregulated affiliate at a rate of \$1.65 million per year plus commodity costs, with "commodity costs" defined as the weighted average cost of the fuel in the facility plus facility fuel use, for the three-year period.

(5) Three years following the transfer, UGI shall be permitted to purchase peaking services from its affiliate at market-based rates, consistent with UGI's then existing least cost fuel procurement obligations.

**IV. PROCEDURES FOR IMPLEMENTATION  
AND APPROVAL OF THIS STIPULATION**

12. The Joint Petitioners propose the following process for Commission review and approval of this Stipulation and entry of appropriate Orders:

a. The Stipulation will be filed with the Commission and served on all active parties to UGI's restructuring proceeding.

b. Within ten days of the filing of the Stipulation with the Commission, UGI and CEO will file with the Commonwealth Court applications to continue their appeals pending before the Court and asking the Court to issue an order, pursuant to Pennsylvania Rule of Appellate Procedure 1701(b)(5), authorizing the

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Commission to consider and rule on the Stipulation and enter all necessary orders to implement the Stipulation.

c. Upon issuance of the above-referenced Commonwealth Court order, or such other relief which permits the Commission to act and preserves the appellate rights of UGI and CEO, the Commission will rule on the Stipulation. If the Commission approves the Stipulation, it will issue an order, to be effective in accordance with the provisions of subparagraph (e), below, approving the Stipulation as filed without modification and authorizing UGI to file a tariff supplement implementing the base rate reduction agreed to in this Stipulation to be effective on one day's notice.

d. Within ten days after the Commission's approval of this Stipulation without modification, UGI will file an application for a certificate of public convenience authorizing UGI to transfer its Peaking Facilities to an unregulated affiliate in accordance with the terms and conditions of the Stipulation. Copies of this application will be served on all active parties to UGI's gas restructuring proceeding. The Joint Petitioners agree that they will not oppose UGI's application, or any associated request for an expedited decision by the Commission.

e. The rights and obligations of the Joint Petitioners under this Stipulation and the Commission's Order approving the Stipulation shall not become effective unless and until: (1) the Commission has issued an order granting UGI's above-referenced Application for a Certificate of Public Convenience; and (2) the time period for judicial review of the Commission's order approving the Stipulation and the



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Commission's order granting the above-referenced certificate of public convenience have expired, and no appeals from either order have been filed.

f. Within ten days after the effective date of this Stipulation as defined in subparagraph (e) above, UGI and CEO will file praecipes with the Commonwealth Court to dismiss their appeals with prejudice.

**V. CONDITIONS OF THE STIPULATION**

13. Any issue not specifically addressed in this Stipulation shall be treated and resolved in accordance with the resolution of that issue adopted by the Commission in its June 29, 2000 Order.

14. This Stipulation is expressly conditioned upon the Commission's approval of all of the specific terms and conditions contained herein without modification. If the Commission should fail to grant such approval, fail to issue the requested orders, or should modify any of the terms and conditions herein, this Stipulation will terminate and be of no force and effect. The Joint Petitioners will make best efforts to support this Stipulation and to secure its approval by the Commission.

15. This Stipulation resolves, with prejudice, all of the issues specifically addressed herein and precludes the Joint Petitioners from asserting contrary positions with respect to any such issue during subsequent litigation, provided however, that the

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Stipulation is made without admission against or prejudice to any factual or legal positions which any of the Joint Petitioners may assert in the event that the Commission does not issue final orders approving the Stipulation without modification and granting UGI a certificate of public convenience and all other necessary approvals to transfer the Peaking Facilities as specified above.

16. This Stipulation is determinative and conclusive of all of the issues addressed herein and constitutes a final adjudication as to the Joint Petitioners of the matters thereof.

**VI. PUBLIC INTEREST CONSIDERATIONS**

17. The Joint Petitioner agrees that the Stipulation is in the public interest and should be approved in full for the following reasons:

a. The Stipulation provides for a significant and important expansion of UGI's CAP program, with reasonable provisions to encourage enrollment and participation to targeted levels. The Stipulation also provides for a low income solar pilot program and an expanded use of CBOs. Moreover, the Stipulation provides for transfer of the Peaking Facilities, an associated base rate reduction, and the potential, through the RFP process, for UGI's customers to receive peaking services at a lower cost.

b. The Stipulation provides for a negotiated and final resolution of UGI's gas restructuring proceeding without further litigation. The Settlement is in accordance with Commission policy encouraging settlements and provides for further

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unbundling of the gas supply functions currently included in base rates in accordance with the goals of the Competition Act.

**VII. CONCLUSION**

WHEREFORE, the Joint Petitioners, intending to be legally bound, respectfully request that the Commission:

1. Approve the terms and conditions set forth in the Stipulation without modification;
2. Amend the Commission's June 29 Order and Reconsideration Order as necessary to implement the proposed settlement;
3. Approve the tariff supplement attached to this Stipulation.

The undersigned counsel or representatives certify that they have full authority to enter into this Stipulation on behalf of their respective parties, and each is executing this Stipulation as a duly authorized representative of such party.

UGI Utilities, Inc. - Gas Division

Office of Consumer Advocate

Mark C. Macmillan

[Signature]

By:

By:

Commission on Economic Opportunity

\_\_\_\_\_

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI Energy Services Affiliate Interest Agreement G-00041075

**BEFORE THE  
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

<b>Pennsylvania Public Utility</b>	:	
<b>Commission,</b>	:	
	:	
<b>Petitioner</b>	:	
	:	<b>Docket No. R-00994786</b>
<b>v.</b>	:	
	:	
<b>UGI Utilities, Inc. – Gas Division,</b>	:	
	:	
<b>Respondent</b>	:	

**CERTIFICATE OF SERVICE**

I hereby certify that I have, this 29th day of January, 2001, served a true and correct copy of the foregoing document in the manner and upon the persons listed below in accordance with requirements of 52 Pa. Code §1.54 (relating to service by a participant).

**VIA ELECTRONIC AND FIRST CLASS MAIL:**

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UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI Energy Services Affiliate Interest Agreement G-00041075

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UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI Energy Services Affiliate Interest Agreement G-00041075

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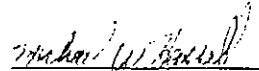
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Michael W. Hassell

UGI Utilities, Inc. - Gas Division  
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MCNEES, WALLACE & NURICK  
ATTORNEYS AT LAW

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January 29, 2001

James J. McNulty, Secretary  
Pennsylvania Public Utility Commission  
Commonwealth Keystone Building  
400 North Street, 2nd Floor  
Harrisburg, PA 17120

VIA HAND DELIVERY

Re: Pennsylvania Public Utility Commission v. UGI Utilities, Inc. - Gas Division;  
Docket No. R-00974786 (UGI Universal Service Mediation)

Dear Secretary McNulty:

The UGI Industrial Intervenors ("UGIII") submits this letter to indicate non-opposition to the proposed Stipulation in Settlement. UGIII intervened in the Restructuring Proceeding and participated in the mediation sessions related to universal service issues for the purpose of ensuring that the interests of large commercial and industrial customers receiving transportation service from UGI Utilities, Inc., would not be adversely impacted by the resolution of the proceeding. UGIII believes that the resolution embodied by the Stipulation in Settlement is reasonable and does not adversely impact UGIII member interests at this time. Consequently, UGIII does not oppose adoption of the Stipulation in Settlement without modification.

As evidenced by the attached Certificate of Service, all parties to this proceeding have been duly served. Please date stamp the enclosed copy of this letter and kindly return for our files.

Very truly yours,

MCNEES, WALLACE & NURICK

By *Pamela C. Polacek*  
Derrick P. Williamson  
Pamela C. Polacek

Counsel to the UGI Industrial Intervenors

PCP:kmp  
cc: Mark C. Morrow, Esquire  
Certificate of Service

• COLUMBUS, OH • WASHINGTON, D.C. •



UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI Energy Services Affiliate Interest Agreement G-00041075

**CERTIFICATE OF SERVICE**

I hereby certify that I am this day serving a true copy of the foregoing document upon the participants listed below in accordance with the requirements of Section 1.54 (relating to service by a participant):

VIA FIRST CLASS MAIL

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Alan C. Kohler, Esquire  
Gerald Gornish, Esquire  
Wolf, Block, Schorr and Solis-Cohen LLP  
212 Locust Street, Suite 300  
Harrisburg, PA 17101

John Wilson, Executive Director  
222 Pine Street  
Harrisburg, PA 17101

Scott Rubin, Esquire  
3 Lost Creek Drive  
Selinsgrove, PA 17870

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI Energy Services Affiliate Interest Agreement G-00041075

**Certificate of Service**  
**Docket No. R-00994786**  
**Page 2**

Craig G. Goodman, Esquire  
National Energy Marketers Association  
3333 K Street NW, Suite 425  
Washington, DC 20007

Jay W. Dawson, Esquire  
T. W. Phillips Gas and Oil Company  
205 North Main Street  
Butler, PA 16001

Usher Fogel, Esquire  
Roland, Fogel, Koblenz & Petroccione, LLP  
1 Columbia Place  
Albany, NY 12207

Delia W. Stroud, Esquire  
PECO Energy Company  
2301 Market Street  
P.O. Box 8699  
Philadelphia, PA 19101-8699

Mark R. Haskell, Esquire  
Melissa L. Lauderdale, Esquire  
Brunenkant & Haskell, LLP  
805 15<sup>th</sup> Street, NW, Suite 1101  
Washington, DC 20005

Joseph L. Robinson, Esquire  
Sherrard, German & Kelly, PC  
Attorneys At Law  
35<sup>th</sup> Floor, One Oliver Plaza  
Pittsburgh, PA 15222-2602

Philadelphia Gas Works  
Attn: Abby Pozefsky  
General Counsel  
800 W. Montgomery Ave.  
Philadelphia, PA 19122

Jesse A. Dillon, Esquire  
PP&L  
2 North Ninth Street  
Allentown, PA 18101

Gordon J. Smith, Esquire  
Joelle Ogg, Esquire  
John & Hengerer  
1200 17<sup>th</sup> Street, NW  
Suite 600  
Washington, DC 20036

Keith Sappenfield  
Reliant Energy Retail, Inc.  
111 Louisiana, 42<sup>nd</sup> Floor  
P.O. Box 1409  
Houston, TX 77251-1409

Eugene M. Brady  
Commission on Economic Opportunity  
165 Amber Lane  
Wilkes-Barre, PA 18702

David Koff, Esquire  
Koff, Wendolowski, Ferguson & Mangan  
22 E. Union Street  
Wilkes-Barre, PA 18701

W. Thomas Bacon, Jr.  
Connectiv Energy  
Energy Trading  
P.O. Box 6066  
Newark, DE 19714-6066

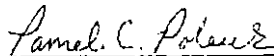
Richard J. Kruse  
Texas Eastern Transmission Corporation  
PO Box 1642  
Houston, TX 77251-1642

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI Energy Services Affiliate Interest Agreement G-00041075

Certificate of Service  
Docket No. R-00994786  
Page 3

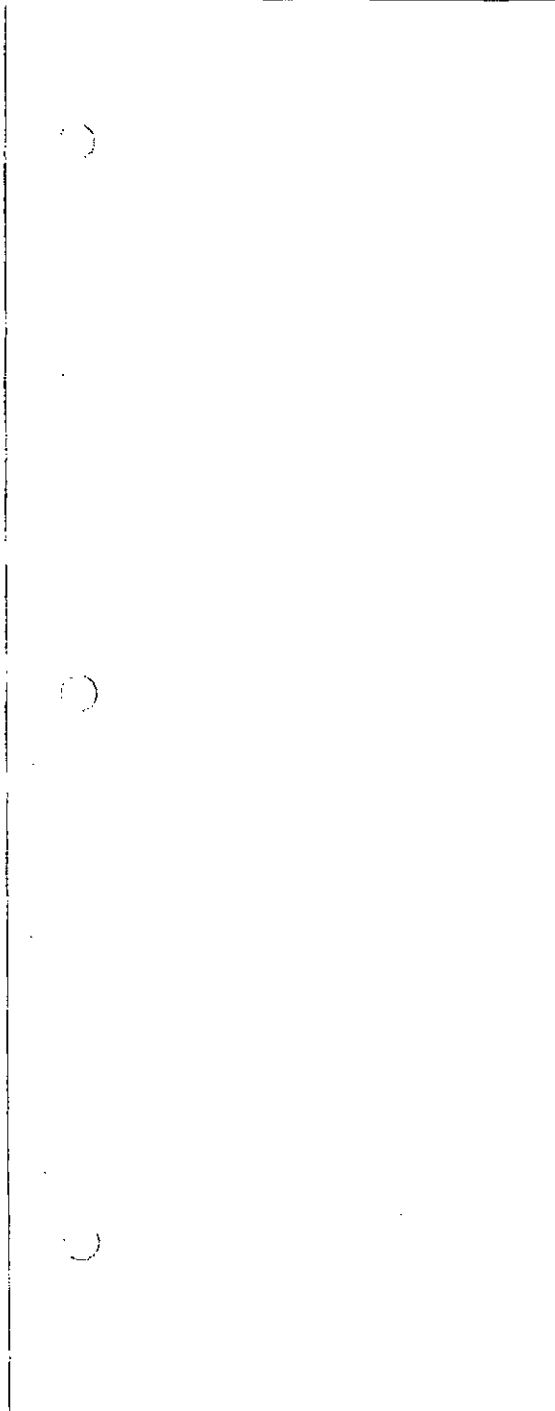
Vicki O. Ebner, Vice President  
Marketing & Gas Supply  
UGI Utilities, Inc. - Gas Division  
100 Kachel Blvd., Suite 400  
P.O. Box 12677  
Reading, PA 19612-2677

  
Pamela C. Polacek

Dated this 29<sup>th</sup> day of January, 2001, Harrisburg, Pennsylvania.

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI Energy Services Affiliate Interest Agreement G-00041075



UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI Energy Services Affiliate Interest Agreement G-00041075

Joseph L. Vullo  
Attorney at Law

1460 Wyoming Avenue • Forty For, PA 18704-4237  
Phone: 570-288-0700 • Fax: 570-288-4598

January 30, 2001

COPY

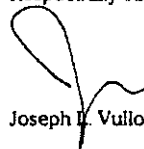
Mr. James J. McNulty, Secretary  
Pennsylvania Public Utility Commission  
Commonwealth Keystone Building  
400 North Street, Second Floor  
P.O. Box 3265  
Harrisburg, PA 17105-3265

RE: PUC v. UGI  
Docket No. R-00994786

Dear Secretary McNulty:

Enclosed please find an original and three copies of the signature page for the Stipulation in Settlement regarding the above-referenced matter. Copies of this document have been served upon the persons shown on the attached Certificate of Service.

Respectfully submitted,



Joseph L. Vullo

JLV/jav  
encls.

cc: All Parties of Record

VIA EXPRESS MAIL

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI Energy Services Affiliate Interest Agreement G-00041075

COPY

3. Approve the tariff supplement attached to this Stipulation.

The undersigned counsel or representatives certify that they have full authority to enter into this Stipulation on behalf of their respective parties, and each is executing this Stipulation as a duly authorized representative of such party.

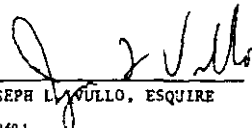
UGI Utilities, Inc. - Gas Division

Office of Consumer Advocate

By: \_\_\_\_\_

By: \_\_\_\_\_

Commission on Economic Opportunity

By:   
JOSEPH L. VULLO, ESQUIRE  
LPH/1344160.1

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI Energy Services Affiliate Interest Agreement G-00041075

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI Energy Services Affiliate Interest Agreement G-00041075

COMMONWEALTH OF PENNSYLVANIA



OFFICE OF SMALL BUSINESS ADVOCATE  
Suite 1102, Commerce Building  
300 North Second Street  
Harrisburg, Pennsylvania 17101

Bernard A. Ryan, Jr.  
Small Business Advocate

(717) 783-2525  
(717) 783-2831 (FAX)

January 29, 2001

James J. McNulty, Secretary  
Pennsylvania Public Utility Commission  
Room B-20, North Office Building  
P.O. Box 3265  
Harrisburg, PA 17105-3265

Re: UGI Utilities, Inc. - Gas Division  
Filing Pursuant to the Natural Gas Choice  
and Competition Act  
Docket No. R-00994786

Dear Mr. McNulty:

The Office of Small Business Advocate is providing this letter as written confirmation that it is not opposed to the Settlement in Stipulation filed by the Joint Petitioners (UGI Utilities, Inc. - Gas Division ("UGI"), Office of Consumer Advocate and Commission on Economic Opportunity, collectively) at Docket No. R-00994786. The Settlement in Stipulation resolves all outstanding issues of UGI's gas restructuring proceeding with issues primarily related to UGI's CAP program.

If you have any questions, please do not hesitate to contact me.

Sincerely,

A handwritten signature in cursive script that reads "Angela T. Jones".

Angela T. Jones  
Assistant Small Business Advocate

cc: Parties of Record



UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI Energy Services Affiliate Interest Agreement G-00041075

EXHIBIT B

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI Energy Services Affiliate Interest Agreement G-00041075



COMMONWEALTH OF PENNSYLVANIA  
PENNSYLVANIA PUBLIC UTILITY COMMISSION  
P.O. BOX 3265, HARRISBURG, PA 17105-3265

June 18, 2001

IN REPLY PLEASE  
REFER TO OUR FILE

A-123100F0028

JUN 20 2001

MM

TO ALL PARTIES

IN RE: Application of UGI Utilities, Inc. for approval of the transfer of peaking  
assets in accordance with the terms of its restructuring settlement agreement

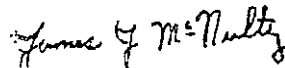
To Whom It May Concern:

Please replace the Commission Order adopted May 24, 2001 and entered May 29, 2001,  
in the above captioned case, with the enclosed Corrected Order.

Two sentences concerning the fact that this approval does not constitute a determination  
that this filing is lawful, etc. were removed from the last paragraph on page 3 of the Order. This  
language was inadvertently placed in the Order and removing it does not affect the  
recommendation contained in the Order.

Thank you for your attention to this matter, and we regret any inconvenience caused.

Very truly yours,

  
James J. McNulty  
Secretary

Enclosure

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI Energy Services Affiliate Interest Agreement G-00041075

PENNSYLVANIA  
PUBLIC UTILITY COMMISSION  
Harrisburg, PA. 17105-3265

Public Meeting held May 24, 2001

Commissioners Present:

John M. Quain, Chairman  
Robert K. Bloom, Vice Chairman  
Nora Mead Brownell  
Aaron Wilson, Jr.  
Terrance J. Fitzpatrick

Application of UGI Utilities, Inc. for approval of  
the transfer of peaking assets in accordance with  
the terms of its restructuring settlement  
agreement.

Docket Number:  
A-123100F0028

**CORRECTED ORDER**

**BY THE COMMISSION,**

On March 26, 2001, UGI Utilities, Inc. ("UGI") filed an Application for approval of the transfer of peaking assets in accordance with the terms of its restructuring settlement agreement at R-00994786. The filing requests that a Certificate of Public Convenience be issued authorizing the transfer of the Liquefied Natural Gas and Propane-Air assets and associated inventory described in the above application from UGI to UGI Energy Services, Inc. ("UGIES").

The Applicant has submitted proofs of service and publication. On April 24, 2001, the Office of Consumer Advocate ("OCA") filed a Notice of

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI Energy Services Affiliate Interest Agreement G-00041075

Intervention, pursuant to the provisions of 52 Pa. Code §§5.71 - 5.74. The OCA represents the interests of consumers before the Pennsylvania Public Utility Commission. The OCA has decided to file a Notice of Intervention and to participate in any proceedings involving UGI's Application for approval of the transfer of peaking assets in accordance with the terms of its restructuring settlement agreement since it was an active participant in UGI's restructuring proceeding and a signatory to the Settlement under which UGI proposes to transfer these facilities. The OCA did not raise any specific issues in its Notice of Intervention.

UGI proposes to transfer the following assets:

- (a) A Liquefied Natural Gas facility and associated equipment, inventory and land located in Ontelaunee Township, Pennsylvania; and
- (b) Three propane/air facilities and associated inventory located in Reading, Bethlehem and Swatara Township, Pennsylvania; and
- (c) Associated fuel inventories.

In Pennsylvania Public Utility Commission v. UGI Utilities, Inc. - Gas Division, Docket No. R-00994786 (Order entered March 14, 2001), the Commission approved a Stipulation in Settlement which authorized UGI to transfer the above-described assets to an unregulated affiliate at net book value. UGI is proposing to transfer the assets to UGIES, a Pennsylvania corporation. UGIES is not a Pennsylvania public utility and will not operate the assets as utility facilities.

At the time of the transfer, UGI agreed, in Section III.11.h(2) of the Stipulation in Settlement to reduce its base rates by \$1.65 million. UGI will also,

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI Energy Services Affiliate Interest Agreement G-00041075

as described in Section III.11.h.(3) and (4) of the Stipulation in Settlement, conduct a RFP (Request For Proposal) for peaking services having the same level of firmness and reliability as that provided by the transferred assets for the three year period following the asset transfer. If no comparable services are offered at a lower price, UGI shall have the right to acquire peaking services from UGIES at a rate of \$1.65 million per year plus commodity costs for the three year period following the transfer. As described in Section III.11.h.(5) of the Stipulation of Settlement, three years following the transfer UGI shall be permitted to purchase peaking services from its affiliate at market-based rates, consistent with UGI's then existing least cost fuel procurement obligations. In addition to these terms governing purchases from UGIES, UGI is authorized to purchase gas supply services from UGIES pursuant to an April 14, 1997 affiliated interest agreement approved by the Commission at Docket No. G-00970552 (Order entered August 28, 1997).

UGI states that no investment securities and no customers will be transferred as a result of this transaction. Also, the proposed asset transfer will have no effect upon the quality of distribution service rendered to UGI's customers.

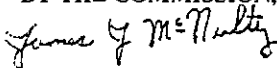
Upon our review of the Application, it does not appear to be unlawful, unjust, unreasonable, or contrary to the public interest. Therefore, we shall permit the proposed filing to become effective. **THEREFORE,**

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI Energy Services Affiliate Interest Agreement G-00041075

**IT IS ORDERED:**

1. That the Application of UGI Utilities, Inc., filed on March 26, 2001, be, and hereby is, approved.
2. That a Certificate of Public Convenience be issued pursuant to 66 P.A. C.S. §1102(a)(2) authorizing UGI Utilities, Inc. to transfer its Liquefied Natural Gas and Propane-Air assets and associated inventory to UGI Energy Services, Inc.
3. That a copy of this Order be served on the Office of Consumer Advocate.
4. That this proceeding at Docket No. A-123100 F0028 be closed.

BY THE COMMISSION,  
  
James J. McNulty  
Secretary

(SEAL)

ORDER ADOPTED: May 24, 2001

ORDER ENTERED: May 29, 2001

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI Energy Services, LLC. Affiliated Interest Agreement G-00970552



COMMONWEALTH OF PENNSYLVANIA SEP 3 1997  
PENNSYLVANIA PUBLIC UTILITY COMMISSION TMJ  
P.O. BOX 3265, HARRISBURG, PA 17105-3265

AUGUST 28, 1997

REFER TO OUR FILE

G-00970552

THOMAS M JACKAL ESQUIRE  
UGI UTILITIES INC  
460 NORTH GULPH ROAD  
KING OF PRUSSIA PA 19406

Affiliated Interest Agreement between  
UGI Utilities, Inc. and  
UGI Energy Services, Inc. D/B/A GASMARK

To Whom It May Concern:

This is to advise you that an Opinion and Order has been adopted by the Commission in Public Meeting on August 28, 1997, in the above entitled proceeding.

An Opinion and Order has been enclosed for your records.

Very truly yours,

*James J. McNulty*  
James J. McNulty,  
Acting Secretary

smk  
Encls.  
Cert.Mail

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI Energy Services, LLC. Affiliated Interest Agreement G-00970552

**PENNSYLVANIA  
PUBLIC UTILITY COMMISSION  
Harrisburg, PA. 17105-3265**

Public Meeting held August 28, 1997

**Commissioners Present:**

John M. Quain, Chairman  
Robert K. Bloom, Vice Chairman  
John Hanger  
David W. Rolka  
Nora Mead Brownell

Affiliated Interest Agreement Between UGI Utilities, Inc. and UGI Energy Services, Inc. Docket No. G-00970552  
D/B/A GASMARK

**OPINION AND ORDER**

**BY THE COMMISSION:**

On April 14, 1997, an Affiliated Interest Agreement ("Agreement") between UGI Utilities, Inc. ("Utilities") and UGI Energy Services, Inc. D/B/A GASMARK ("GASMARK") was filed to become effective on May 14, 1997. On May 8, 1997, the Commission extended the period for consideration of this Agreement to July 18, 1997. A further extension was made per Secretarial Letter dated July 2, 1997, to August 29, 1997.

This is an Agreement whereby Utilities would buy gas from or sell gas to GASMARK at prevailing market rates.

GASMARK was formed in 1985 for the purposes of brokering gas supplies. GASMARK formerly did business as a division of UGI Development Company ("UGID"), a wholly owned subsidiary of Utilities. In 1995, the business of GASMARK was transferred from UGID to the newly formed UGI Energy Services, Inc. GASMARK continued its brokerage business but also began taking title to gas supplies and selling directly to customers both within and outside of Utilities' service territory. As a marketer of gas in Utilities' service territory, GASMARK occasionally has supplies of gas available at prices at or below prices available to Utilities from other sources. As part of Utilities' least cost purchasing strategy, Utilities and its customers would benefit from the ability to purchase gas directly from GASMARK.

The price of gas sold by GASMARK to Utilities shall be equal to or less than the cost of alternate supplies available to Utilities which are similarly situated with respect to volume, availability, location, transporting pipeline, reliability, and such other operating criteria which are appropriate at the time of purchase.



UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI Energy Services, LLC. Affiliated Interest Agreement G-00970552



UGI Utilities, Inc.  
480 North Gulph Road  
King of Prussia, PA 19406  
Post Office Box 858  
Valley Forge, PA 19482-0858  
(610) 337-1000 Telephone  
(610) 922-3258 Fax

April 14, 1997

**FEDERAL EXPRESS**

James J. McNulty, Prothonotary  
Pennsylvania Public Utility Commission  
P.O. Box 3265, North Office Building  
Harrisburg, PA 17105-3265

Re: Affiliated Interest Filing of UGI Utilities, Inc.

Dear Prothonotary McNulty:

Pursuant to Section 2102 of the Public Utility Code (and in particular subsections 2102 (a) and (b)), I submit for the Commission's approval an original and three (3) copies of a proposed arrangement between UGI Utilities, Inc. ("Utilities") and UGI Energy Services, Inc. dba GASMARK ("GASMARK") whereby Utilities would buy gas from or sell gas to GASMARK at prevailing market rates. GASMARK is a marketer of natural gas in UGI's gas service territory and elsewhere in the United States, and is a subsidiary of UGI Enterprises, Inc. UGI Enterprises, Inc. is a wholly owned subsidiary of UGI Corporation, the corporate parent of Utilities. Attachment "A" hereto is an organization chart showing the corporate relationship between Utilities and GASMARK.

GASMARK formerly did business as a division of UGI Development Company ("UGID"), a wholly owned subsidiary of Utilities. At that time, GASMARK was solely a broker of natural gas supplies, typically arranging purchases and sales between pools of gas suppliers and pools of gas purchasers. In such a transaction, GASMARK would earn a brokerage fee. By order dated September 15, 1988 (Attachment "B" hereto), this Commission approved an affiliated interest arrangement, whereby Utilities' Gas Division was authorized to purchase gas from GASMARK pools and pay up to one penny per decatherm to GASMARK for its "processing cost."

In 1995, the business of GASMARK was transferred from UGID to the newly formed UGI Energy Services, Inc. GASMARK continued its brokerage business but also began taking title to gas supplies and selling directly to customers both within and outside of Utilities' service territory. As a marketer of gas in Utilities' service territory, GASMARK occasionally has supplies of gas available at prices at or below prices available to Utilities from other sources. As part of Utilities' least cost purchasing strategy, Utilities and its customers would benefit from the ability to purchase gas directly from GASMARK. In purchasing gas from GASMARK, Utilities would do so under the terms and conditions substantially the same as those in GASMARK's standard gas purchase agreement (Attachment "C" hereto).

mjl-afii

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI Energy Services, LLC. Affiliated Interest Agreement G-00970552

James J. McNulty, Prothonotary  
April 14, 1997  
Page 2

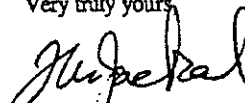
The price of gas sold by GASMARK to Utilities shall be equal to or less than the cost of alternate supplies available to Utilities which are similarly situated with respect to volume, availability, location, transporting pipeline, reliability, and such other operating criteria that are appropriate at the time of purchase.

In addition, when Utilities has gas supply assets in excess of its requirements, Utilities may wish to sell such assets at prevailing market rates to GASMARK. In selling gas supply assets to GASMARK, Utilities would make such sales on a non-preferential basis and on terms consistent with its tariff, federal laws and regulations (to the extent applicable) and regulations adopted by this Commission concerning relationships with affiliated marketers. Sales to GASMARK would also be conducted on terms substantially the same as those of Attachment "C".

Of course, Utilities recognizes that approval of this affiliated interest filing does not represent approval of the prudence of any purchases made by Utilities from GASMARK, nor does it represent approval of the prices paid to GASMARK. Those issues will be subject to review in Section 1307 (f) proceedings in which all transactions with affiliates are required to be disclosed or in other appropriate proceedings before the Commission.

Please acknowledge receipt of this filing by stamping and returning to me the enclosed photocopy of this letter in the addressed, stamped envelope. Thank you for your attention to this matter.

Very truly yours,

  
Thomas M. Jackal  
Group Counsel - Utilities

TMI/kjb

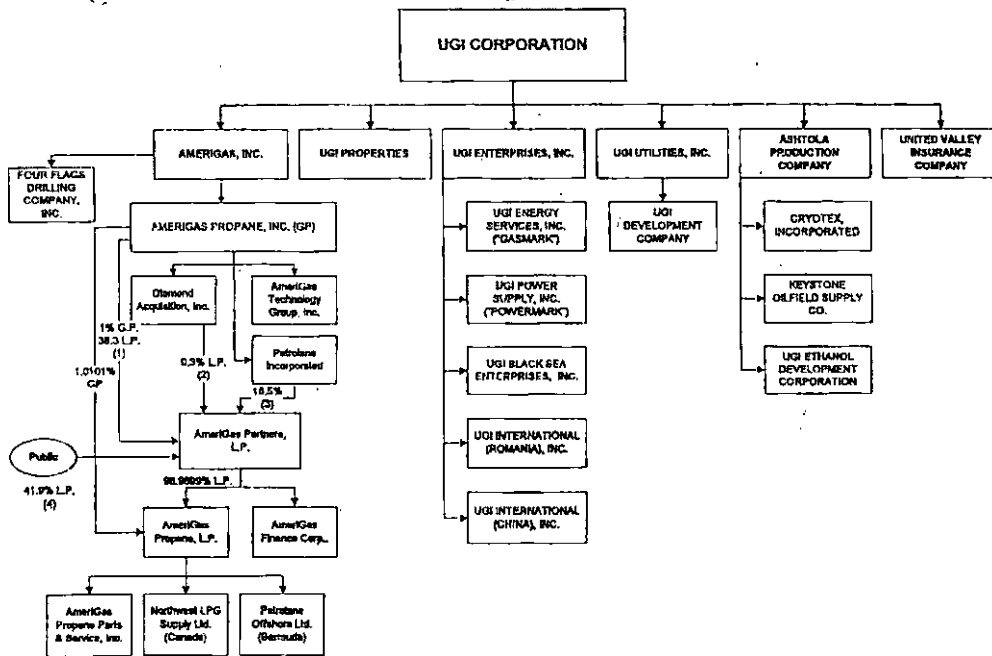
Enclosure

cc: J. Doan  
M. Morrow  
K. Murphy  
C. Myers  
B. Pistor

tmj/kl

UGI Utilities, Inc. - Gas Division  
 Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI Energy Services, LLC, Affiliated Interest Agreement G-00970552



(1) 2,822,226 Common; 13,250,146 Subordinated  
 (2) 17,128 Common; 100,000 Subordinated  
 (3) 1,407,811 Common; 6,432,000 Subordinated  
 (4) 17,713,135 Common; 0- Subordinated

March 31, 1997

ATTACHMENT A

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI Energy Services, LLC. Affiliated Interest Agreement G-00970552

ATTACHMENT B

PENNSYLVANIA  
PUBLIC UTILITY COMMISSION  
Harrisburg, PA. 17120

Public Meeting held September 15, 1988

Commissioners Present:

Bill Shane, Chairman  
William H. Smith, Vice Chairman  
Linda C. Taliaferro  
Joseph Rhodes, Jr.  
Frank Fischl

Affiliated Interest Arrangement Between the Gas  
Division of UGI Corporation ("UGI") and Gasmark  
Division of UGI Development Company ("GASMARK"),  
pertaining to the UGI's participation as a buyer  
in the GASMARK brokerage gas pool.

G-880112

OPINION AND ORDER

BY THE COMMISSION:

Before the Commission for consideration is the summary  
of a category of Affiliated Interest Arrangements ("Arrangement")  
filed August 22, 1988, between the Gas Division of UGI Corporation  
("UGI") and Gasmark Division of UGI Development Company  
("GASMARK"). This Arrangement pertains to UGI's participation  
as a buyer in the GASMARK brokerage gas pool, and is filed pursu-  
ant to the Public Utility Code, 66 Pa. C. S. §§ 2101-2107.

GASMARK was formed in 1985 for the purpose of brokering  
gas supplies. GASMARK introduced a pooled gas concept whereby  
gas is sold by several participating sellers into a pool from  
which several participating buyers purchase available gas  
supplies. With this concept, GASMARK will locate the gas pro-  
ducers, sellers, and buyers who want to join in a brokerage gas  
pool, and, on their behalf, arrange the sales and purchases  
through this pool. Pool prices are set by GASMARK so as to be  
competitive with the other alternatives' prices available to

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI Energy Services, LLC. Affiliated Interest Agreement G-00970552

competitive with the other alternatives' prices available to the pooled buyers in the energy marketplace. They are controlled by no other factors but the market level prices. For its compensation, GASMARK will negotiate with the sellers for a margin below market price. Buyers and sellers desiring to participate in this pool commit to participation by executing either a Seller's or Buyer's Endorsement to a Monthly Gas Brokerage Agreement.

UGI is requesting the Commission's approval of its participation in the GASMARK brokerage gas pool as a buyer in order to purchase cheaper gas through brokerage transactions. GASMARK has also agreed to charge UGI either no brokerage fee or a penny per dekatherm for the processing costs.

We have examined this Arrangement and have determined that it is reasonable and consistent with the public interest. However, approval of this Arrangement does not preclude the Commission from investigating, during any proceeding, the reasonableness of any charges incurred or any action taken under or in relation to this Arrangement; THEREFORE,

IT IS ORDERED:


1. That the Affiliated Interest Arrangement, pertaining to the participation of the Gas Utility Division of UGI Corporation as a buyer in the GASMARK Division of UGI Development Company's brokerage gas pool is hereby approved.

2. That the acceptance does not preclude the Commission from investigating, during any proceeding, the reasonableness

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI Energy Services, LLC. Affiliated Interest Agreement G-00970552

of any charges incurred or any action taken under or in relation  
to this Arrangement.

BY THE COMMISSION,  
  
Jerry Rich  
Secretary.

(SEAL)

ORDER ADOPTED: September 15, 1988

ORDER ENTERED: September 15, 1988

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI Energy Services, LLC. Affiliated Interest Agreement G-00970552

## ATTACHMENT C

GASMARK  
MASTER NATURAL GAS SALES AGREEMENT NO. \_\_\_\_\_ ("CONTRACT")  
DATED \_\_\_\_\_, 199\_

The Contract is between UGI Energy Services, Inc. d/b/a GASMARK ("Seller") and \_\_\_\_\_ ("Buyer"). Buyer and Seller may be referred to individually as "Party" or collectively as "Parties." The Contract shall include all transaction-specific Confirmation Agreements, which shall be substantially in the form attached hereto as Appendix "A".

1. **Nature of Transaction:** Buyer and Seller agree to purchase and sell natural gas ("gas") pursuant to the terms set forth herein and in the Confirmation Agreement. Gas may be purchased and sold on a Firm, Interruptible, or otherwise defined basis. If Firm, Buyer must purchase, and Seller must sell, all gas contracted for by Buyer ("Contract Quantity") unless a Party is prevented from doing so by force majeure. If Interruptible, Buyer and Seller shall be excused from purchasing or selling the Contract Quantity if it gives proper notice to the other Party, as defined in the Confirmation Agreement, of its intention not to buy or sell such gas.

2. **Contract Term and Sales Period(s):** The Contract Term is one year commencing with the above date, and shall continue year to year thereafter. A Party may terminate the Contract upon ninety (90) days prior written notice effective the later of either the expiration date of the Sales Period specified in the Confirmation Agreement or the end of a contract year.

3. **Quantity:** Except as otherwise permitted, Seller shall tender for delivery and sell the Contract Quantity to Buyer at the Point of Delivery and Buyer shall accept and pay for such gas.

4. **Contract Price:** Buyer shall pay Seller the Contract Price specified in the Confirmation Agreement. The Contract Price shall include all applicable taxes for which the taxable incident takes place prior to the Point of Delivery and shall exclude all taxes applicable to the gas at or downstream of the Point of Delivery.

5. **Quality, Pressure, and Measurement:** Gas tendered by Seller hereunder shall be merchantable. Gas is merchantable if it meets all quality and pressure specifications required by Buyer's Transporter(s). The quantity of gas shall be measured by Buyer's Transporter at the Point of Delivery.

6. **Title, Possession and Control:** Title to and risk of loss of all gas purchased by Buyer shall pass to Buyer upon delivery at the Point of Delivery. Seller warrants that it holds title to the gas, or has the right to sell the gas, at the Point of Delivery and that the gas is free from liens and adverse claims of any kind. Seller shall indemnify Buyer against any liens and claims arising with respect to the title to, or its right to sell, the gas prior to the Point of Delivery.

7. **Transportation Balancing and Overruns:** Any charge imposed by a Transporter due to an unexcused imbalance or failure to receive or deliver the Contract Quantity shall be paid by the Party causing such imbalance or failure. Buyer and Seller shall notify each other as soon as possible after receipt of any notice from a Transporter that such an imbalance or failure has occurred or is likely to occur, and shall reasonably attempt to cure the problem.

10/95-0

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI Energy Services, LLC. Affiliated Interest Agreement G-00970552

GASMARK  
MASTER NATURAL GAS SALES AGREEMENT NO. \_\_\_\_\_ ("CONTRACT")  
DATED \_\_\_\_\_, 199\_\_

8. **Billing and Payment:** All amounts due hereunder shall be paid within 10 days of the date of the invoice. Buyer shall pay Seller by wire transfer to the following Bank Account: Mellon Bank N.A., Pittsburgh, PA; Account #016-7425, ABA #043000261, or by check to UGI Utilities, Inc. P.O. Box 13009, Reading, PA 19612-3009; Attn: Accounts Receivable. Any unpaid amounts shall accrue interest from the due date at the rate which is the lesser of 1 1/2% per month or the maximum lawful rate. Seller may curtail deliveries if an amount due is not received when due or if Seller reasonably believes that Buyer is unable to pay an amount due. Deliveries may not be curtailed where a good faith dispute arises; to avoid curtailment, Buyer must inform Seller in writing of such dispute and pay the undisputed amount.

9. **Force Majeure:** Except for Buyer's payment obligation, neither Party shall be liable for failure of performance due to causes beyond its reasonable control, such as acts of God, acts of the other Party, acts of civil or military authority, fires, labor strikes and disputes, floods, freezing of wells or lines of pipe, epidemics, war or riot, curtailment of firm transportation, or other like occurrence. A Party claiming force majeure must provide the other Party with prompt notice stating the reason for its inability to perform. The Party claiming force majeure must make reasonable efforts to promptly resolve its inability to perform. Financial inability to perform alone shall not relieve a Party of its obligation to perform. Refusal of a Party to accede to demands of labor shall not deny that Party the benefits of this provision.

10. **Failure to Deliver/Accept - Exclusive Remedy:** If for an unexcused reason either Party fails to perform its obligation to deliver or accept gas under this Contract, the other Party's exclusive remedy shall be the following: Buyer's Remedy - If Seller fails to deliver the Contract Quantity, Seller shall pay Buyer the following: (1) if Buyer obtains replacement supplies, the positive difference, if any, between the price Buyer paid for the replacement supplies and the Contract Price, multiplied by the volume of gas Seller failed to deliver; or (2) if Buyer does not obtain replacement supplies, a daily amount equal to the Seller's delivery shortfall times the Contract Price. Seller's Remedy - If Buyer fails to accept all or part of the Contract Quantity, Buyer shall pay Seller the following: 1) if Seller obtains a replacement market, the positive difference, if any, between the Contract Price and the price Seller obtained from the replacement market, multiplied by the volume of gas not accepted by Buyer; or 2) if the Seller is unable to obtain a replacement market, the Contract Price times the volume of gas not accepted by Buyer. A Party shall act reasonably to minimize damages the other Party would owe under this provision, which shall include efforts to obtain replacement supplies or replacement markets. If a Party's obligation is interruptible, these remedy provisions do not apply unless the Party fails to give the proper notice specified in Section 1 hereto.

11. **Notices:** Notice(s) required hereunder shall be deemed properly made if telecopied, delivered personally or sent by regular or certified mail to the following addresses or facsimile.

Buyer's Representative:	Seller's Representative:
	UGI Energy Services, Inc. d/b/a GASMARK 1100 Berkshire Blvd. Wyomissing, PA 19610
Telephone:	Telephone: (610) 373-7999 800 427-8545
Facsimile:	Facsimile: (610) 374-4288

10/95-0

2



UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI Energy Services, LLC. Affiliated Interest Agreement G-00970552

GASMARK  
MASTER NATURAL GAS SALES AGREEMENT NO. \_\_\_\_\_ ("CONTRACT")  
DATED \_\_\_\_\_, 199\_\_

12. **Assignment:** Upon written notice to the other Party, Buyer or Seller may assign this Master Contract and related Confirmation Agreement(s) to a corporate affiliate or successor. No other assignment shall be valid without the prior written consent of the other Party, which may not be unreasonably withheld.

13. **Governing Law and Severability:** This Contract shall be construed in accordance with the laws of the Commonwealth of Pennsylvania without recourse to provisions governing choice of law. The venue of any action brought by either Party shall be Berks County, PA.

AGREED AND ACCEPTED THIS

AGREED AND ACCEPTED THIS

\_\_ day of \_\_\_\_, 199\_\_

\_\_ day of \_\_\_\_, 199\_\_

BUYER:

SELLER: GASMARK

By:

By:

Title:

Title:



UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI Corporation Affiliated Interest Agreement G-00920296

PENNSYLVANIA  
PUBLIC UTILITY COMMISSION  
Harrisburg, PA. 17105-3265

Public Meeting held May 21, 1992

Commissioners Present:

David W. Rolka, Chairman  
Joseph Rhodes, Jr., Vice Chairman  
Wendell F. Holland, Commissioner

Affiliated Interest Agreement  
Between UGI Corporation and  
UGI Utilities, Inc.

Docket No.  
G-00920296

OPINION AND ORDER

BY THE COMMISSION:

On April 30, 1992, an Affiliated Interest Agreement ("Agreement") was filed between UGI Corporation ("Holding Company") and UGI Utilities, Inc. ("Utilities"), to become effective May 30, 1992.


This Agreement sets forth the terms by which Utilities may provide administrative services to or receive services from Holding Company and its unregulated subsidiaries. These services will be provided on a cost basis.

This Agreement is filed in accordance with the requirements of Section 2102 (b) of the Public Utility Code, 66 Pa. C.S. § 2102 (b).

Investigation and analysis of this Affiliated Interest Agreement indicates that the terms and conditions appear to be reasonable and consistent with the public interest. However, approval of this Agreement does not constitute a determination that the associated costs are reasonable or prudent for purposes of determining just and reasonable rates; THEREFORE,

IT IS ORDERED: That the Affiliated Interest Agreement between UGI Corporation and UGI Utilities, Inc. be, and hereby is, approved.

BY THE COMMISSION,

  
John G. Alford  
Secretary

(SEAL)

ORDER ADOPTED: May 21, 1992

ORDER ENTERED: May 21, 1992

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI Corporation Affiliated Interest Agreement G-00920296



REC'D MAY 22 1992 RLS  
TMT-000-0045  
COMMONWEALTH OF PENNSYLVANIA  
PENNSYLVANIA PUBLIC UTILITY COMMISSION  
P.O. BOX 3265, HARRISBURG, PA 17105-3265

May 21, 1992

IN REPLY PLEASE  
REFER TO OUR FILE

G-00920296

RICHARD L BUNN  
UGI CORPORATION  
PO BOX 13009  
READING PA 19612-3009

Affiliated Interest Agreement Between  
UGI Corporation and UGI Utilities, Inc.

To Whom It May Concern:

This is to advise you that an Opinion and Order has been adopted by the Commission in Public Meeting on May 21, 1992 in the above entitled proceeding.

An Opinion and Order has been enclosed for your records.

Very truly yours,

A handwritten signature in cursive script that reads "John G. Alford".

John G. Alford, Secretary

smk  
Encls.  
Cert.Mail

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI Corporation Affiliated Interest Agreement G-00920296

*Both Copy*



BOX 858 VALLEY FORGE PA. 19482 ■ 215-337-1000

April 30, 1992

FEDERAL EXPRESS

The Honorable John G. Alford, Secretary  
Commonwealth of Pennsylvania  
Public Utility Commission  
North Office Bldg., Room B-18  
P.O. Box 3265  
Commonwealth and North Streets  
Harrisburg, PA 17120

Re: Administrative Services Agreement between  
UGI Utilities, Inc. and UGI Corporation,  
an Affiliated Interest

Dear Secretary Alford:

Enclosed for filing with the Pennsylvania Public Utility Commission ("Commission") pursuant to Section 2102 of the Public Utility Code, 66 Pa.C.S. §2102, are an original and two (2) conformed copies of an Administrative Services Agreement dated May 1, 1992 ("Agreement") between UGI Corporation and UGI Utilities, Inc.

As part of a corporate reorganization pursuant to a Plan of Merger approved by shareholders on April 9, 1992, the former UGI Corporation became a wholly owned subsidiary of New UGI Corporation, a holding company. The reorganization became effective on April 10, 1992. New UGI Corporation changed its name to UGI Corporation and the former UGI Corporation changed its name to UGI Utilities, Inc. In order to avoid potential confusion arising out of the name changes, "new" UGI Corporation is hereafter referred to as "Holding Company" and UGI Utilities is referred to as "Utilities."

Utilities is a public utility subject to the Commission's jurisdiction and is a wholly owned subsidiary of Holding Company. Holding Company is a Pennsylvania corporation and owns all of the outstanding common stock of Utilities. The Agreement sets forth the terms by which Utilities may provide administrative services to or receive services from Holding Company and its unregulated subsidiaries. The administrative services are essentially the same as those historically provided by Utilities to its unregulated subsidiaries prior to the formation of the current holding company structure.

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI Corporation Affiliated Interest Agreement G-00920296

The Honorable John G. Alford, Secretary  
April 30, 1992  
page 2

The Agreement contemplates that certain of the services formerly provided by Utilities Corporate Headquarters Group may be provided by Holding Company. The method of allocating the costs to be charged for these services is essentially the same as the method traditionally employed by Utilities. This allocation method was reviewed and approved as part of the Commission's Management and Operations Study of Utilities conducted in 1989.

To assist in the Commission's review, the following is a summary of the more significant terms of the Agreement:

- o The administrative services to be provided by Holding Company after full implementation of the Agreement may include management, finance, pension fund management, internal audit, legal, shareholder relations, human resources, insurance, claims, legal, and similar types of services;
- o The administrative services to be provided by Utilities after full implementation of the Agreement may include information services, payroll, accounts payable, accounting and similar types of services;
- o Utilities and Holding Company will pay to each other the actual cost of the services each receives;
- o Utilities and Holding Company will bill each other for the services each provides on a monthly basis and maintain separate accountability;
- o All services provided by Utilities will be on an "as available" basis to assure that Utilities' provision of such services will not interfere with its obligation to provide gas and electric service to the public.
- o The duties, obligations and liabilities of Utilities and Holding Company are several and not joint or collective, assuring that Utilities will not be responsible for any obligation or liability of Holding Company.

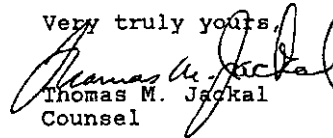
UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI Corporation Affiliated Interest Agreement G-00920296

The Honorable John G. Alford, Secretary  
April 30, 1992  
page 3

I have enclosed a duplicate copy of this letter and ask that it be stamped as received by your office and returned to me in the enclosed self-addressed stamped envelope. If any additional information is required, please call.

Very truly yours,

  
Thomas M. Jackal  
Counsel

TMJ/klb

Enclosures

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI Corporation Affiliated Interest Agreement G-00920296

The Honorable John G. Alford, Secretary  
April 30, 1992  
page 4

bcc: J. C. Barney  
A. S. Becker  
A. C. Bullman  
R. L. Bunn  
M. J. Cuzzolina  
R. R. Eynon  
W. M. Graff  
L. R. Greenberg  
D. N. Knipel  
C. L. Ladner  
J. A. Lubas  
S. R. Mauriello  
J. A. Sutton  
G. W. Westerman



UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI Corporation Affiliated Interest Agreement G-00920296

**ADMINISTRATIVE SERVICES AGREEMENT**

THIS AGREEMENT made as of this 1st day of May, 1992, between UGI Corporation ("Holding Company"), a Pennsylvania corporation, and UGI Utilities, Inc. ("Utilities"), a Pennsylvania corporation.

WITNESSETH:

WHEREAS, Utilities is a public utility providing natural gas and electric service subject to regulation by the Pennsylvania Public Utility Commission ("Commission") and is a wholly owned subsidiary of Holding Company; and

WHEREAS, Holding Company, under its articles, has unlimited power to engage in any lawful act concerning any lawful business for which corporations may be incorporated under the Pennsylvania Business Corporation Law and was formed for the purpose of separating Utilities' regulated and former unregulated operations; and

WHEREAS, as a part of the transactions related to formation of the holding company organization, Utilities may transfer to Holding Company certain employees of Utilities' former corporate headquarters group for the purpose of providing administrative services to Utilities and unregulated subsidiaries; and

WHEREAS, the parties wish to provide and receive the administrative services under the terms and conditions set forth herein; and

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI Corporation Affiliated Interest Agreement G-00920296

WHEREAS, under the affiliated interest provisions of the Pennsylvania Public Utility Code ("Code") Holding Company is an affiliated interest of Utilities and any agreement between Holding Company and Utilities for the provision of administrative services must be filed with and approved by the Commission;

NOW THEREFORE, in consideration of the premises and of the mutual covenants of this Agreement and for other valuable consideration, received and acknowledged, and intending to be legally bound hereby, Holding Company and Utilities agree as follows:

1. Services.

(a) Holding Company agrees to provide such administrative services as may from time to time be requested by Utilities. These services may include but are not limited to executive management, finance, pension fund management, internal audit, legal, shareholder relations, human resources, insurance, claims, and similar types of services.

(b) Utilities agrees to provide such administrative services as may from time to time be requested by Holding Company or any of its subsidiaries on an "as available" basis. These services may include but not limited to information services, payroll, accounts payable, accounting and similar types of services.

2. Payment etc..

(a) Each party shall pay to the party providing the administrative services pursuant to Section 1, the actual cost

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI Corporation Affiliated Interest Agreement G-00920296

of providing such services. In this regard, the party providing the services shall provide monthly to the party receiving the services an invoice and written documentation of the cost of providing the services pursuant to Section 1; the invoice shall be due and payable within 30 days after its receipt. When it is not reasonably possible or practical to determine actual costs, the parties may substitute allocation factors for actual costs.

(b) All such costs incurred by one party on behalf of the other (i) shall become the liability of the party receiving the services when incurred by the party providing the service, (ii) shall be determined in accordance with generally accepted accounting principles and (iii) shall include reasonable and appropriate indirect costs including overhead, as set forth on Attachment 1 to this Agreement.

(c) Holding Company may assume any liability of Utilities.

(d) Where Holding Company assumes any benefit, compensation, retirement or other similar plan of Utilities, Utilities may from time to time make payments to Holding Company in amounts not to exceed the payments Utilities would have been required to make at those times to beneficiaries under such plans had the plans not been assumed.

3. Agency.

(a) All services, materials, equipment and supplies purchased by Utilities at the request of Holding Company shall be purchased by Utilities on behalf of and as agent for

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI Corporation Affiliated Interest Agreement G-00920296

Holding Company. In that regard, Holding Company hereby appoints Utilities as its agent, and Utilities agrees as its agent to negotiate, execute and enforce contracts (including purchase order contracts) providing for the purchase of services, materials, equipment and supplies. Each such contract shall be made in the name of Holding Company and shall, among other things, provide that Utilities shall be agent for Holding Company concerning the administration of the contract and that performance of the contract shall be for the account of, title to all property acquired thereunder shall vest in, and charges therefor shall be paid by Holding Company.

(b) All services, materials, equipment and supplies purchased by Holding Company at the request of Utilities shall be purchased by Holding Company on behalf of and as agent for Utilities. To the extent permitted by law and without delegating any of its public service obligations, Utilities hereby appoints Holding Company as its agent, and Holding Company agrees as Utilities' agent to negotiate, execute and enforce contracts (including purchase order contracts) providing for the purchase of services, materials, equipment and supplies. Each such contract shall be made in the name of Utilities and shall, among other things, provide that Holding Company shall be agent for Utilities concerning the administration of the contract and that performance of the contract shall be for the account of, title to all property acquired thereunder shall vest in, and charges therefor shall be paid by Utilities.

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI Corporation Affiliated Interest Agreement G-00920296

4. Subsidiary Participation. Holding Company as used herein includes all subsidiary companies of UGI Corporation other than UGI Utilities, Inc.

5. Obligations Several. The duties, obligations and liabilities of Holding Company and Utilities under this Agreement are intended to be several and not joint or collective, and nothing in this Agreement shall ever be construed to create an association, joint venture, trust or partnership, or to impose a trust or partnership duty, obligation or liability on or with regard to any of the parties. Each party shall be individually responsible for its own obligations as herein provided. No party shall be under the control of or shall be deemed to control the other party solely by virtue of this Agreement. No party shall have a right or power to bind another party without its express written consent, except as expressly provided in this Agreement.

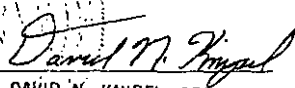
6. Termination. Any party shall have the right at any time to terminate this Agreement upon ninety (90) days written notice of its election to do so.

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

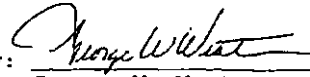
UGI Corporation Affiliated Interest Agreement G-00920296

7. Regulatory Approval. This Agreement is subject to the approval of the Commission, and shall be immediately effective upon receipt of such approval.

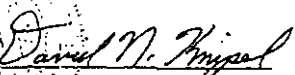
ATTEST:

  
DAVID N. KNIPEL, SECRETARY

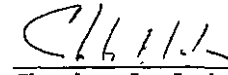
UGI CORPORATION

By:   
George W. Westerman  
Senior Vice President -  
Administration

ATTEST:

  
DAVID N. KNIPEL, SECRETARY

UGI UTILITIES, INC.

By:   
Charles L. Ladner  
Vice President

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI Corporation Affiliated Interest Agreement G-00920296

Attachment 1

Each party receiving the benefit of the administrative services shall pay the actual cost of the services provided. The cost of these administrative services will be allocated using a two-step process:

- o Direct Charge - If charges can reasonably be determined to benefit only one particular party they will be charged directly to that organization.
- o Allocation - If charges benefit more than one party, but a reasonable separation of the charges cannot be readily made, they will be allocated to applicable organizations based upon predetermined formulas.

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI Corporation Affiliated Interest Agreement (Engineering Services) G-00031008



COMMONWEALTH OF PENNSYLVANIA  
PENNSYLVANIA PUBLIC UTILITY COMMISSION  
P.O. BOX 3265, HARRISBURG, PA 17105-3265

JULY 1, 2003

IN REPLY PLEASE  
REFER TO OUR FILE

G-00031008

Received

JUL 03 2003

MCM

UGI UTILITES INC  
460 NORTH GULPH RD  
KING OF PRUSSIA, PA 19406

ATTENTION: MARK C MORROW  
Counsel for UGI Utilities, Inc. - Gas Division

Re: Affiliated Interest Agreement Between UGI Utilities, Inc. and UGI Corporation and  
its Subsidiaries

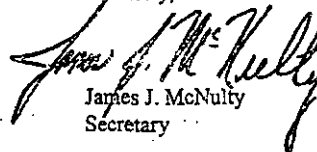
Dear Mr. Morrow:

On April 29, 2003, UGI Utilities, Inc. ("Utilities") filed an Affiliated Interest Agreement with the Commission. This Agreement between Utilities and UGI Corporation and its subsidiaries (collectively "UGI Companies") is filed in accordance with the requirements of Section 2102(b) of the Public Utility Code, 66 Pa. C.S. §2102(b). On May 22, 2003, the Commission extended the period for consideration of this Agreement until further order of the Commission. Under the Agreement, Utilities would provide pipeline engineering, construction, maintenance and related services to UGI Companies at the higher of market rates or cost.

Upon review of the Company's filing, it does not appear that this filing is unreasonable or contrary to the public interest. Therefore, this filing is hereby approved. However, approval of this filing does not constitute a determination that such filing is consistent with the public interest. Furthermore, the Commission's approval is contingent upon the possibility that subsequent audits, reviews, and inquiry, in any Commission proceeding, may be conducted, pursuant to 66 Pa. C.S. §§2102, et seq.

In addition, this approval will apply only to the agreement(s), service(s), matters, and parties specifically and clearly defined under this instant filing as well as under any associated and previous filings.

Sincerely,

  
James J. McNulty  
Secretary

Cc: Kerry Klinefelter, FUS  
Janet Patrick, Secretary's Bureau



UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI Corporation Affiliated Interest Agreement (Engineering Services) G-00031008



April 25, 2003

James J. McNulty, Secretary  
Pennsylvania Public Utility Commission  
Commonwealth Keystone Building  
400 North Street  
Harrisburg, PA 17120

UGI Utilities, Inc.  
480 North Gulph Road  
King of Prussia, PA 19408

Post Office Box 858  
Valley Forge, PA 19482-0858

(610) 337-1000 Telephone  
(610) 992-3255 Fax

Re: Affiliated Interest Filing of UGI Utilities, Inc., Docket No. \_\_\_\_\_

Dear Secretary McNulty:

Pursuant to Section 2102 of the Public Utility Code (and in particular subsections 2102 (a) and (b)), I submit for the Commission's approval an original and three copies of a proposed arrangement between UGI Utilities, Inc. ("Utilities") and UGI Corporation and its subsidiaries (collectively "UGI Companies") under which Utilities would provide pipeline engineering, construction, maintenance and related services at to UGI Companies at the higher of market rates or cost. Attached as "Appendix A" hereto in an organization chart showing the corporate relationship between Utilities and the UGI Companies.

Utilities is a certificated natural gas distribution company serving portions of central and eastern Pennsylvania, and a wholly owned subsidiary of UGI Corporation ("Holding Company"). Other principal subsidiaries of Holding Company are UGI Enterprises, Inc. and Amerigas, Inc. Subsidiaries of UGI Enterprises, Inc. are principally engaged in energy marketing, HVAC services and propane distribution outside of the United States. Amerigas, Inc., through its subsidiaries, operates the largest propane distributor in the United States (collectively "Amerigas").

From time-to-time, UGI Companies may have the need to have pipelines engineered, constructed and/or maintained. For example, Amerigas, on occasion, may need to engineer, construct and/or maintain propane pipeline facilities, either for itself or for clients. Certain UGI Enterprises, Inc. companies may also have the need, or opportunity, to construct, operate or maintain pipeline facilities.

Utilities, in turn, has the expertise necessary to provide such services. By providing Utilities with the opportunity to compete to provide such services, Utilities may be able to more efficiently use its engineering and operations work force, and provide potential opportunities for professional development that may enable Utilities to attract and maintain talented employees.

Utilities understands and acknowledges that the Commission's approval of this affiliated interest arrangement would not preclude the Commission from investigating, during any formal proceeding, the reasonableness of any charges under the agreement.

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI Corporation Affiliated Interest Agreement (Engineering Services) G-00031008

Should you have any questions concerning this filing, please feel free to contact me.

Very truly yours,



Mark C. Morrow

Counsel for UGI Utilities, Inc. - Gas Division

cc: V.Ebner  
P.Terranova

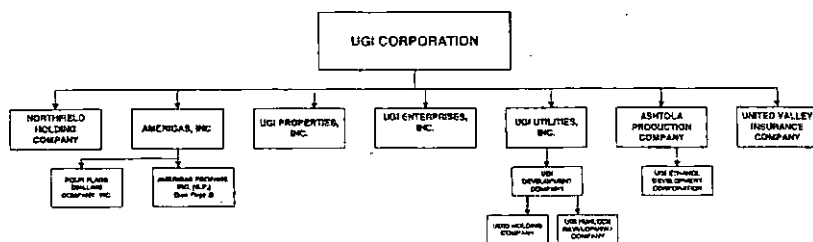
UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI Corporation Affiliated Interest Agreement (Engineering Services) G-00031008

**APPENDIX A**

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI Corporation Affiliated Interest Agreement (Engineering Services) G-00031008



01/08/03

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

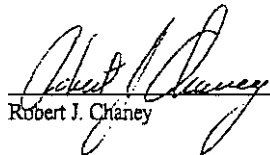
UGI Corporation Affiliated Interest Agreement (Engineering Services) G-00031008

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AFFIDAVIT

---

ROBERT J. CHANEY, deposes and says that he is President and Chief Executive Officer for UGI Utilities, Inc. - Gas Division; that he is duly authorized to and does make this Affidavit on its behalf, that the facts set forth in the foregoing document are true and correct to the best of his knowledge information and belief, and that this Affidavit is made subject to the penalties of 18 Pa.C.S. §4904 (relating to unsworn falsification to authorities).

  
Robert J. Chaney

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI HVAC Services, Inc. and UGI HVAC Enterprises, Inc. Affiliated Interest Agreement G-00071217



COMMONWEALTH OF PENNSYLVANIA  
PENNSYLVANIA PUBLIC UTILITY COMMISSION  
P.O. BOX 3265, HARRISBURG, PA 17105-3265

IN REPLY  
PLEASE REFER  
TO OUR FILE

February 20, 2007

G-00071217

UGI CORP  
460 NORTH GULPH ROAD  
KING OF PRUSSIA PA 19406

ATTN MARK C MORROW, Senior Counsel

Re: Affiliated Interest Agreement of UGI Utilities, Inc. and UGI Penn Natural Gas, Inc.  
with UGI HVAC Services, Inc.

Dear Mr. Morrow:

On January 22, 2007, UGI Utilities, Inc. (UGI Utility Companies) and UGI Penn Natural Gas, Inc. filed an Affiliated Interest Agreement with HVAC, Inc. (UGI HVAC Companies). This agreement was filed in accordance with the requirements of Section 2102 (a) and (b) of the Public Utility Code, 66 Pa. C.S. §2102 (a) and (b). On January 25, 2007, the Commission extended the period for consideration of this agreement until further order of the Commission. On January 30, 2007, PUC FUS Energy staff submitted data requests to the Company.

The filing relates to the parties engaging in natural gas transactions with each other not otherwise exempted from affiliated interest approval requirements by the provisions of Section 2107 of the Public Utility Code. Such transactions might include the procuring of Natural Gas Operations Services and/or HVAC Services. To the extent permitted under FERC rules, such transactions shall be at market rates and consistent with the least cost purchase obligations of UGI Utility Companies, UGI Penn Natural Gas, Inc., and UGI HVAC Companies. Moreover, such transactions will be subject to review in annual Section 1307 (f) gas cost review proceedings where the specific findings pertaining to affiliate transactions specified in Section 1318 (b) of the Public Utility Code will have to be made. However, UGI Utilities, Inc. and UGI Penn Natural Gas, Inc. have stated that they will not receive service under the agreement until it is approved by the Commission.

In response to staff data requests, the Company clarified its filing regarding Operator Qualification. Upon review of this response, the Commission has determined that the UGI HVAC affiliate will not be permitted to commence work during Emergency incidents or

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI HVAC Services, Inc. and UGI HVAC Enterprises, Inc. Affiliated Interest Agreement G-00071217

begin to remove, install, or work on any meter work until the HVAC workers are properly qualified under UGI's Operator Qualification program for these tasks or other tasks in which the affiliate HVAC Companies will perform. In addition, the affiliate UGI HVAC Companies will ensure that their Operator Qualification certification is kept up to date.

UGI HVAC affiliate will not be permitted to commence work during Emergency Incidents or begin to remove, install, or work on any meter work until the HVAC workers are properly qualified under UGI, Inc.'s Operator Qualification program for these tasks or other tasks in which the HVAC affiliate will perform. In addition, the HVAC affiliate will ensure that their Operator Qualification certification is kept up to date.

Upon review of the Company's filing and in view of the condition set forth above regarding Operator Qualification, it does not appear that this filing is unreasonable or contrary to the public interest. Therefore, this filing is hereby approved as conditioned. However, approval of this filing does not constitute a determination that such filing is consistent with the public interest and that the associated costs or expenses are reasonable or prudent for the purposes of determining just and reasonable rates. Furthermore, the Commission's approval is contingent upon the possibility that subsequent audits, reviews, and inquiry, in any Commission proceeding, may be conducted, pursuant to 66 Pa. C.S. §§ 2102, *et seq.*

In addition, this approval will apply only to the agreement(s), service(s), matters, and parties specifically and clearly defined under this instant filing, as well as under any associated and previously filed filings.

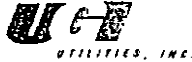
Sincerely,

James J. McNulty  
Secretary

cc: Kathleen Aunkst, Secretary's Bureau  
Elaine McDonald, FUS  
Paul Diskin, FUS Energy Manager  
John Matchik, FUS Energy FUVE  
Paul Metro, Bureau of Transportation & Safety – Gas Safety Div.

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI HVAC Services, Inc. and UGI HVAC Enterprises, Inc. Affiliated Interest Agreement G-00071217



UGI Utilities, Inc.  
460 North Gulph Road  
King of Prussia, PA 19406  
Post Office Box 858  
Valley Forge, PA 15482-0858  
(610) 337-1000 Telephone  
(610) 392-3250 Fax

January 22, 2007

VIA EXPRESS MAIL

James J. McNulty, Secretary  
Pennsylvania Public Utility Commission  
Commonwealth Keystone Building  
400 North Street  
Harrisburg, PA 17120

**Re: Affiliated Interest Agreement of UGI Utilities,  
Inc. and UGI Penn Natural Gas, Inc.,  
Docket No. G- 0007 1217**

Dear Secretary McNulty:

Pursuant to Section 2102 of the Public Utility Code (and in particular subsections 2102 (a) and (b)), I submit for the Commission's approval an original and three copies of a proposed arrangement between UGI Utilities, Inc. and UGI Penn Natural Gas, Inc. (collectively the "UGI Utility Companies") on the one hand, and UGI HVAC Enterprises, Inc., Denny's Electric Service, Inc. and UGI HVAC Services, Inc (collectively "UGI HVAC Companies") on the other hand, pursuant to which UGI Utility Companies may procure certain (1) natural gas distribution facility installation, maintenance, testing and repair services and associated equipment (hereafter "Natural Gas Operations Services") and (2) heating, air conditioning, ventilating ("HVAC"), plumbing, electric contracting and/or related services and associated equipment (hereinafter "HVAC Services") from the UGI HVAC Companies at market prices.

UGI Utilities, Inc. is a certificated natural gas distribution company serving approximately 315,000 natural gas customers in an authorized service territory spanning fifteen counties in central and southeastern Pennsylvania, and a certificated electric distribution company serving approximately 62,000 customers in two northeastern Pennsylvania counties.

UGI Penn Natural Gas, Inc. is a certificated natural gas distribution company serving approximately 160,000 customers in an authorized service territory spanning portions of fourteen counties in central and northeastern Pennsylvania. UGI Penn Natural Gas, Inc. is a wholly owned subsidiary of UGI Utilities, Inc., and a second tier subsidiary of UGI Corporation.

UGI HVAC Enterprises, Inc. and Denny's Electric Service, Inc. are wholly owned subsidiaries of UGI Enterprises, Inc., and provide a variety of HVAC, plumbing and electric contracting services to the public in the mid-atlantic region. UGI Enterprises, Inc., in turn, is a wholly owned subsidiary of UGI Corporation.



UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI HVAC Services, Inc. and UGI HVAC Enterprises, Inc. Affiliated Interest Agreement G-00071217

UGI HVAC Services, Inc.<sup>1</sup> is a second tier subsidiary of UGI Utilities, Inc. and provides a variety of HVAC and related services in central and eastern Pennsylvania.

An organization chart showing the corporate relationship between the UGI Utility Companies and the affiliated UGI HVAC Companies is attached as Exhibit A.

Services To Be Obtained

The UGI Utility Companies own and operate a variety of natural gas distribution facilities and may, on occasion, engage outside contractors to perform Natural Gas Operations Services. UGI HVAC Companies, in turn, may be willing and able to perform such Natural Gas Operations Services.

The UGI Utility Companies also own or operate a number of buildings throughout their service territories that, on occasion, may require HVAC Services. The UGI Utility Companies may also, on occasion, need to procure HVAC Services in connection with third-party facilities when, for example, they perform weatherization services for customers or need to repair damages caused by their operations.

The UGI Utility Companies propose to acquire Natural Gas Operations Services and HVAC Services from the UGI HVAC Companies at prevailing market prices that will be determined, except under certain limited circumstances described hereafter, through a competitive bidding process. When a bidding process is utilized the UGI Utility Companies shall broadly circulate a written request for proposal specifically describing the work to be performed and the qualifications and equipment needed by the contractor, and shall provide a fair and reasonable amount of time, appropriate to the type of project involved, for the preparation and submission of bids (usually not less than two weeks). This process will, of course, also be consistent with all legal and regulatory procurement requirements, including the solicitation of bids from female and minority contractors.

There may be two limited instances, however, where a meaningful bidding process cannot be conducted or where bidding is not otherwise appropriate. First, a bidding process would not be used where emergency conditions do not provide sufficient time to solicit bids or consult a pre-qualified contractor list, and it would be unwise to delay emergency services by imposing unnecessary procedures. The UGI Utility Companies want the option to use the affiliated UGI HVAC Companies without a bidding process in such circumstances when these entities are available and qualified to provide emergency services on an expedited basis.

---

<sup>1</sup> In *Affiliated Interest Filings of UGI Penn Natural Gas, Inc.*, Docket Nos. G-00061179, G-00061180, G-00061181 and G-00061182 (Order Entered September 15, 2006), the Commission approved certain UGI Penn Natural Gas, Inc. affiliated interest agreements conditioned, amongst other things, on UGI Utilities, Inc. providing "an interim solution within 30 days regarding a preferred manner to restrict HVAC personnel to HVAC customer information only and not the universe of customer information." *Ordering Paragraph 1*. Such a solution was filed with the Commission on October 13, 2007, and is attached as Exhibit B hereto.

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI HVAC Services, Inc. and UGI HVAC Enterprises, Inc. Affiliated Interest Agreement G-00071217

Second, UGI Utilities, Inc. is currently conducting a tin meter replacement program as part of its automated meter reading ("AMR") conversion project. In an informal agreement with the Gas Safety Division of the Commission's Bureau of Transportation and Safety, UGI Utilities, Inc. has agreed, in response to certain safety concerns, not to use outside contractors when performing such meter replacements. If the Gas Safety Division were to agree that the UGI HVAC Companies, because of their uniquely qualified and experienced employees, could be exempted from the current agreement not to use outside contractors as part of the AMR conversion project, a bidding process would also not be meaningful.

The UGI Utility Companies believe that the two potential exceptions outlined above to the general use of a bidding process will be rare, and the two exceptions would only apply until the particular incident or project involved was completed. If one of these two exceptions were to apply, and a UGI HVAC Company were selected to perform work without a bidding process, the UGI Utility Companies would pay for the Natural Gas Operation Services and HVAC Services performed at the prices charged by the UGI HVAC Companies for comparable work performed for unaffiliated entities.

Having the UGI HVAC Companies available as additional potential suppliers increases the options of the UGI Utility Companies, and may help the UGI Utility Companies obtain Natural Gas Operations Services and HVAC Services at better terms. Enabling the UGI HVAC Companies to potentially provide Natural Gas Operations Services and HVAC Services to UGI Utility Companies may also expand the opportunities for both the UGI Utility Companies and UGI HVAC Companies to more effectively and efficiently use their respective assets and employees.

The UGI Utility Companies recognize that approval of this affiliated interest filing would not represent this Commission's approval of the prudence of any particular purchase of services from UGI HVAC Companies, nor would it represent approval of the

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI HVAC Services, Inc. and UGI HVAC Enterprises, Inc. Affiliated Interest Agreement G-00071217

prices paid for services provided under this affiliated interest arrangement.

Should you have any questions concerning this filing, please feel free to contact me.

Very truly yours,



Mark C. Morrow  
(Attorney No. 33590)

Counsel for UGI Utilities, Inc. and  
UGI Penn Natural Gas, Inc.

Dated: January 22, 2007

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI HVAC Services, Inc. and UGI HVAC Enterprises, Inc. Affiliated Interest Agreement G-00071217

VERIFICATION

David W. Trego, deposes and says that he President of UGI Utilities, Inc. and UGI Penn Natural Gas, Inc.; that he is duly authorized to and does make this verification on their behalf; that the facts set forth in the foregoing affiliated interest filing are true and correct to the best of his knowledge information and belief, and that this Affidavit is made subject to the penalties of 18 Pa.C.S. §4904 (relating to unsworn falsification to authorities).

  
\_\_\_\_\_  
David W. Trego

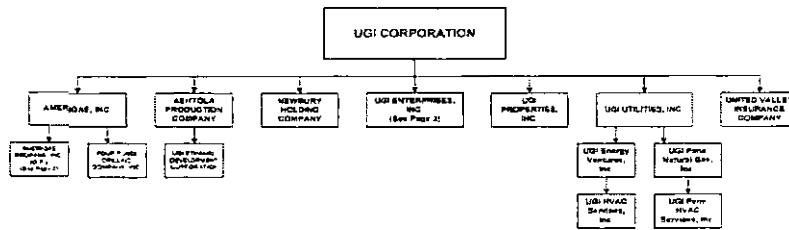
UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI HVAC Services, Inc. and UGI HVAC Enterprises, Inc. Affiliated Interest Agreement G-00071217

**EXHIBIT A**

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

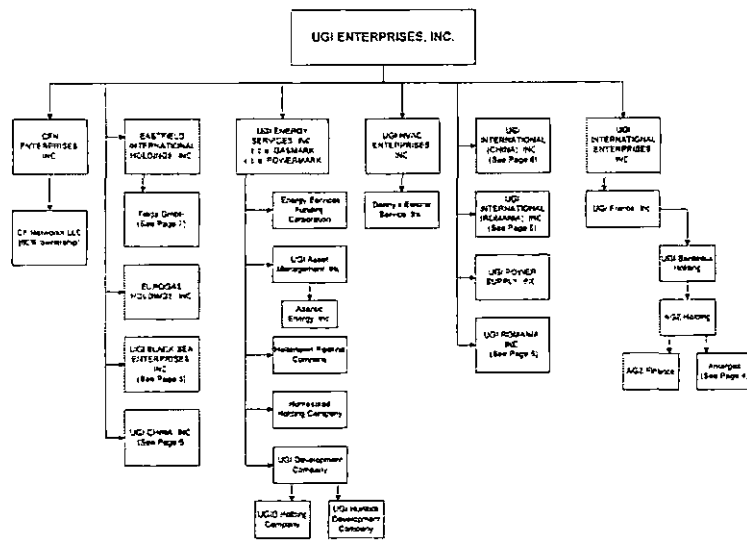
UGI HVAC Services, Inc. and UGI HVAC Enterprises, Inc. Affiliated Interest Agreement G-00071217



2008

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI HVAC Services, Inc. and UGI HVAC Enterprises, Inc. Affiliated Interest Agreement G-00071217



UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI HVAC Services, Inc. and UGI HVAC Enterprises, Inc. Affiliated Interest Agreement G-00071217

**EXHIBIT B**



UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI HVAC Services, Inc. and UGI HVAC Enterprises, Inc. Affiliated Interest Agreement G-00071217



UGI Utilities, Inc.  
460 North Gulph Road  
King of Prussia, PA 19406

Post Office Box 658  
Valley Forge, PA 19482-0658

(610) 337-1000 Telephone  
(610) 992-3758 Fax

October 13, 2006

*via Federal Express*

James J. McNulty, Secretary  
Pennsylvania Public Utility Commission  
Commonwealth Keystone Building  
400 North Street  
Harrisburg, PA 17120

Re: **Affiliated Interest Filings of UGI Penn Natural Gas, Inc., Docket Numbers G-00061179, G-00061180, G-00061181 and G-00061182: Compliance Filing**

Dear Secretary McNulty:

By order dated September 15, 2006, the Commission approved the above-referenced Affiliated Interest Agreements between UGI Penn Natural Gas Inc. and UGI Corporation and its subsidiaries to provide administrative services, pipeline engineering, construction, maintenance, insurance coverage and natural gas purchases and sales. The Commission conditioned its approval, among other things, on the following:

UGI is directed to provide an interim solution to the Commission within 30 days regarding a preferred manner to restrict HVAC personnel to HVAC customer information only and not the universe of customer information. *Ordering Paragraph 1.*

In compliance with the Commission's order UGI provides the following response:

1. Effective immediately, HVAC management has instructed all UGI Utilities' HVAC employees not to access information related to non-HVAC customers. (Management believes that HVAC employees currently do not access this information because it has no particular value to the HVAC business, but it has issued this affirmative instruction to reinforce this behavior and to avoid any misunderstandings.) Specifically, HVAC employees have been instructed to disregard Utilities' credit codes in making credit decisions. Credit checks will be obtained through a third party credit reporting service.
2. On or before January 26, 2007, the company will physically restrict access of HVAC personnel to HVAC customer information and not the universe of customer information, with only the following two exceptions.

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI HVAC Services, Inc. and UGI HVAC Enterprises, Inc. Affiliated Interest Agreement G-00071217

Pennsylvania Public Utility Commission

Page 2

October 15, 2006

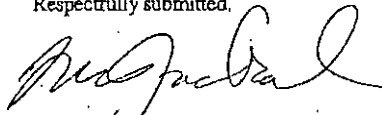
- a. HVAC employees will have access to a computer memo screen, where call center employees type free-form messages concerning customers, e.g., time of day when a customer may be home for service. HVAC employees will access this screen only when it contains information related to HVAC services, but for some customers the screen may also show messages relating to regulated utility service.
- b. A six-person HVAC accounting group will continue to have access to the entire customer accounting system because it contains key information and integrated functions necessary for making adjustments to HVAC customers' bills. By definition, these employees will only work on billing issues related to HVAC products and services and will not be in a position to use general UGI Utilities customer information. These exceptions are necessary because the functions cannot be segregated from the fully integrated customer accounting system without creating an entirely separate system (which UGI HVAC will do within two years, as required by the Commission's order).

HVAC employees who have access to non-HVAC information under these exceptions will continue to be guided by the prohibitions identified in Paragraph 1, above. Apart from these two exceptions, after January 26, 2007 HVAC Employees will have no access to non-HVAC customer information.

3. These interim solutions will be in effect until UGI transitions the HVAC information and billing services to a separate independent billing system on or before September 15, 2008.
4. The company will comply with the Commission's order in all other respects.

Should you have any questions concerning this filing, please feel free to contact me.

Respectfully submitted,



Thomas M. Jackal  
Vice President - Law  
UGI Utilities, Inc.

cc. J. Barney  
V. Ebner  
R. Pistor  
L. Godlasky

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI Energy Services, LLC Affiliated Interest Agreement for Retail Electric Supply G-00980646



COMMONWEALTH OF PENNSYLVANIA  
PENNSYLVANIA PUBLIC UTILITY COMMISSION  
P.O. BOX 3265, HARRISBURG, PA 17105-3265

March 31, 1999

IN REPLY PLEASE  
REFER TO OUR FILE

G-00980646

THOMAS M JACKAL  
BOX 858  
VALLEY FORGE PA 19482

Affiliated Interest Agreement Between  
UGI Utilities, Inc. and  
UGI Energy Services, Inc.

APR 05 1999

TMAJ

To Whom It May Concern:

This is to advise you that an Opinion and Order has been adopted by the Commission in Public Meeting on March 31, 1999 in the above entitled proceeding.

An Opinion and Order has been enclosed for your records.

Very truly yours,

James J. McNulty,  
Secretary

encls  
cert. mail  
law

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI Energy Services, LLC Affiliated Interest Agreement for Retail Electric Supply G-00980646

**PENNSYLVANIA  
PUBLIC UTILITY COMMISSION  
Harrisburg, PA. 17105-3265**

Public Meeting held March 31, 1999

**Commissioners Present:**

John M. Quain, Chairman  
Robert K. Bloom, Vice Chairman  
David W. Rolka  
Nora Mead Brownell  
Aaron Wilson, Jr.

Affiliated Interest Agreement Between  
UGI Utilities, Inc. and UGI Energy  
Services, Inc.

Docket Number:  
G-00980646

**OPINION AND ORDER**

**BY THE COMMISSION:**

On December 17, 1998, UGI Utilities, Inc. (Utilities) filed an Affiliated Interest Agreement with UGI Energy Services, Inc. (Energy Services). On January 14, 1999, the Commission extended the period for consideration for this Agreement until further order of the Commission. This Agreement seeks Commission approval whereby Utilities would buy electric generation service from Energy Services at below or prevailing market rates.

This agreement is filed in accordance with the requirements of Section 2102(b) of the Public Utility Code, 66 Pa. C.S. §2102(b).

Energy Services is a subsidiary of UGI Enterprises, Inc. UGI Enterprises, Inc. is a wholly owned subsidiary of UGI Corporation, the corporate parent of Utilities.

Order Doc. #: 123192

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI Energy Services, LLC Affiliated Interest Agreement for Retail Electric Supply G-00980646

Energy Services is a licensed electric generation supplier (PUC License A-110076) in UGI's service territory and elsewhere in Pennsylvania.

Utilities states that it requires electricity for its own use at facilities throughout its service territories. With the implementation of Pennsylvania's Electricity Generation Customer Choice and Competition Act, Utilities is no longer required to purchase electric generation services from the local electric utilities serving its facilities, but can shop for power from licensed marketers. Energy Services is one such marketer.

Utilities proposes to purchase electric generation services from Energy Services at or below prevailing market rates utilizing terms and conditions included in the agreements between the two companies. Utilities states that these agreements include the same terms and prices that Energy Services offers to its other clients.

Utilities believes that, by having Energy Services available as a potential supplier, it increases Utilities' options in shopping for market priced generation services, and thus benefits both Utilities and its customers in managing its energy costs.

The Commission has examined the Agreement and has determined that it appears to be reasonable and consistent with the public interest; however, approval of the Agreement does not preclude the Commission from investigating during any formal proceeding, the reasonableness of any charges under the Agreement; **THEREFORE,**

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI Energy Services, LLC Affiliated Interest Agreement for Retail Electric Supply G-00980646

**IT IS ORDERED:**

1. That the Affiliated Interest Agreement between UGI Utilities, Inc. and UGI Energy Services, Inc., be, and hereby is, approved.
2. That acceptance does not preclude the Commission from investigating during any formal proceeding the reasonableness of any charges under the Agreement.
3. That this Docket at G-00980646 be marked closed.

**BY THE COMMISSION**

*James J. McNulty*  
James J. McNulty  
Secretary

(SEAL)

ORDER ADOPTED: March 31, 1999

ORDER ENTERED: MAR 31 1999

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI Energy Services, LLC Affiliated Interest Agreement for Retail Electric Supply G-00980646



BOX 858 VALLEY FORGE, PA 19482 • 610-337-1000

*Book*

December 17, 1998

VIA FEDERAL EXPRESS

James J. McNulty, Secretary  
Pennsylvania Public Utility Commission  
North Office Building  
North Street and Commonwealth Avenue  
Harrisburg, PA 17105-3265

Re: **Affiliated Interest Filing of UGI Utilities, Inc.**

Dear Secretary McNulty:

Pursuant to Section 2102 of the Public Utility Code (and in particular subsections 2102 (a) and (b)), I submit for the Commission's approval an original and three (3) copies of a proposed arrangement between UGI Utilities, Inc. ("Utilities") and UGI Energy Services, Inc. ("Energy Services") whereby Utilities would buy electric generation service from Energy Services at below or prevailing market rates. Energy Services is a licensed supplier of electric generation services (PUC License A-110076) in UGI's service territory and elsewhere in Pennsylvania, and is a subsidiary of UGI Enterprises, Inc. UGI Enterprises, Inc. is a wholly owned subsidiary of UGI Corporation, the corporate parent of Utilities. Attachment "A" hereto is an organization chart showing the corporate relationship between Utilities and Energy Services.

Utilities requires electricity for its own use at facilities throughout its service territories. With the implementation of Pennsylvania's Electricity Generation Customer Choice and Competition Act, Utilities is no longer required to purchase electric generation services from the local electric utilities serving its facilities but can shop for power from licensed marketers. Energy Services is one such marketer.

Utilities proposes to purchase electric generation services from Energy Services at or below prevailing market rates on terms and conditions substantially similar to the two attached form agreements, Attachment "B", small commercial accounts; and Attachment "C" large commercial accounts. Having Energy Services available as a potential supplier increases Utilities' options in shopping for market priced generation services and thus benefits both Utilities and its customers in managing its energy costs.

460 NORTH GULPH ROAD, KING OF PRUSSIA, PA 19406

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

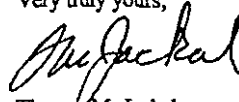
UGI Energy Services, LLC Affiliated Interest Agreement for Retail Electric Supply G-00980646

James J. McNulty, Secretary  
December 17, 1998  
Page 2

Of course, Utilities recognizes that approval of this affiliated interest filing does not represent this Commission's approval of the prudence of any purchases made by Utilities from Energy Services, nor does it represent approval of the prices paid to Energy Services. Those issues will be subject to review in rate proceedings in which all transactions with affiliates are required to be disclosed or in other appropriate proceedings before the Commission.

Please acknowledge receipt of this filing by stamping and returning to me the enclosed photocopy of this letter in the addressed, stamped envelope. Thank you for your attention to this matter.

Very truly yours,



Thomas M. Jackal  
Group Counsel - Utilities

TMJ/njo

Enclosure

cc: J. Doan  
M. Morrow  
K. Murphy  
R. Libutti  
B. Founds



UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

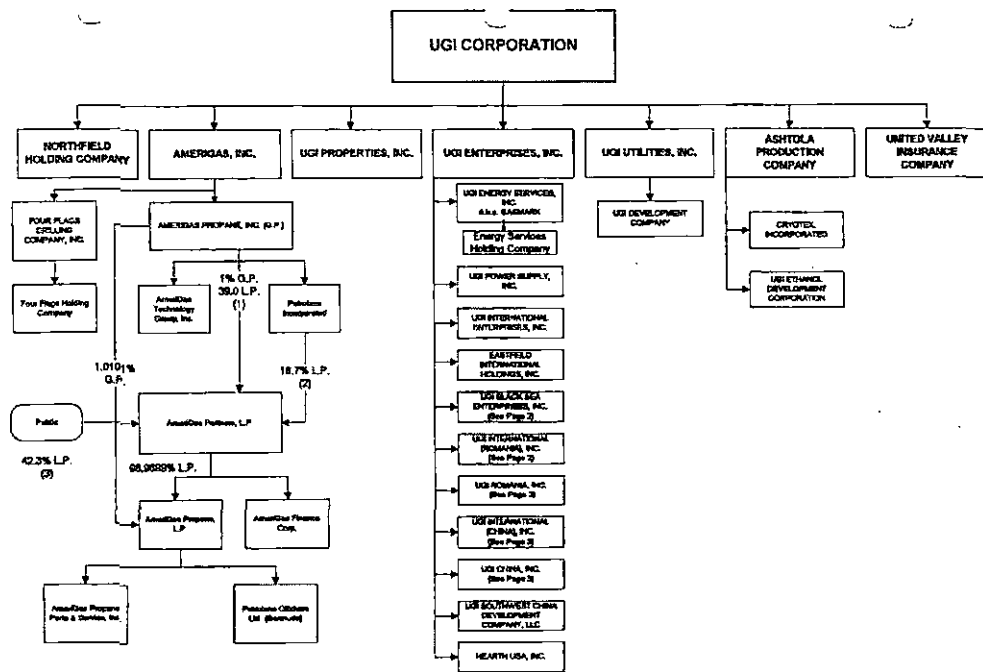
UGI Energy Services, LLC Affiliated Interest Agreement for Retail Electric Supply G-00980646

**ATTACHMENT A**

**Organization Chart**

UGI Utilities, Inc. - Gas Division  
 Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI Energy Services, LLC Affiliated Interest Agreement for Retail Electric Supply G-00980646



(1) 2,864,947 Common; 13,350,146 Subordinated  
 (2) 1,407,911 Common; 6,432,000 Subordinated  
 (3) 17,713,135 Common; - Subordinated

12/17/09

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI Energy Services, LLC Affiliated Interest Agreement for Retail Electric Supply G-00980646

**ATTACHMENT B**

**Small Commercial Accounts**

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI Energy Services, LLC Affiliated Interest Agreement for Retail Electric Supply G-00980646

**UGI Energy Services, Inc. Electric Choice  
Commercial Sales Agreement**

This is an agreement for electric generation service, between UGI Energy Services, Inc. and UGI Utilities, Inc.

**Background**

- We at UGI Energy Services, Inc. are licensed by the Pennsylvania Public Utility Commission to offer and supply electric generation services in Pennsylvania. Our PUC license Number is A-110076.
- We set the generation prices and charges that you pay. The Public Utility Commission regulates distribution prices and services. The Federal Energy Regulatory Commission regulates transmission prices and services.
- You may choose below to have us bill you directly for our services or to receive one bill from your electric distribution company for all electric services.
- Right of Recision – You may cancel this agreement at any time before midnight of the third business day after receiving this disclosure.

**Definitions**

- **Generation Charge** – Charge for production of electricity.
- **Transmission Charge** – Charge for moving high voltage electricity from a generation facility to the distribution lines of an electric distribution company.

**Terms of Service**

**1. Basic Service Prices –**

You will pay \$0.43 per kWh for electric generation and transmission service.

**2. Initial Term of Agreement**

You will buy your electricity generation service for the above street address from UGI Energy Services, Inc. beginning January, 1999 meter read date through the May 1999 meter read date.

**3. Penalties, Fees, and Exceptions**

- A late payment charge of 1 1/2% per month is due on all amounts unpaid after the due date.
- If we cancel this agreement because you did not pay your bill, we will charge you a cancellation fee of \$50, plus reasonable reasonable collection costs.

**4. Cancellation Provisions**

- Either you or UGI Energy Services may cancel with thirty days written notice after completion of the original contract term.
- If you do not pay your bill on time, we may cancel this agreement after we give you ten (10) days prior written notice.

**5. Renewal Provision** – This agreement will automatically renew month to month unless you or UGI Energy Services cancel in writing, giving thirty (30) days notice.

**6. Agreement Expiration/Change in Terms**

PPLGS-1

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI Energy Services, LLC Affiliated Interest Agreement for Retail Electric Supply G-00980646

If you have a fixed term agreement with us and it is approaching the expiration date or if we propose to change our terms of service, we will send you written notice in each of our last three bills or in separate mailings before either the expiration date or the effective date of the changes. We will explain your options in these three advance notices.

**7. Dispute Procedures**

Contact us with any questions concerning our terms of service. You may call the PUC if you are not satisfied after discussing your terms with us.

**8. Contact Information**

Generation Supplier Name: UGI Energy Services, Inc.  
Address: P.O. Box 1313  
Wilkes-Barre, PA 18701  
Phone Number: 1-877-UGIELEC (1-877-844-3532)  
Internet Address: ugipower@enter.net

Electric Distribution Company Name: PP&L

Provider of Last Resort Name:  
Address: PP&L  
Two North Ninth Street  
Allentown, PA 18101  
Phone Number: (800) 342-5775

Public Utility Commission (PUC)  
Address: Harrisburg, PA 17105-3265  
Electric Competition Hotline Number: 1-888-782-3228

Universal Service Program Name: Assistance Programs for Low-Income Households  
Phone Number: 1-800-342-5775

To initiate deliveries by UGI Energy Services, Inc., Customer must establish a satisfactory credit history. The customer understands that establishing credit may require UGI Energy Services to request information from various credit agencies. Credit research will be done at no cost to the customer.

**CUSTOMER**

**UGI ENERGY SERVICES, INC.**

\_\_\_\_\_  
Federal Tax I.D. Number

\_\_\_\_\_  
Signature

Name (print) \_\_\_\_\_ Date \_\_\_\_\_  
2219432700

\_\_\_\_\_  
Name \_\_\_\_\_ Date \_\_\_\_\_

Utility Account Number \_\_\_\_\_

Poplar St, Hazleton, Pa \_\_\_\_\_

Service Address \_\_\_\_\_

\_\_\_\_\_  
Billing Address

Please complete this agreement and return it to UGI Energy Services.

PPLGS-1

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI Energy Services, LLC Affiliated Interest Agreement for Retail Electric Supply G-00980646

**ATTACHMENT C**

**Large Commercial Accounts**

UGI Utilities, Inc. - Gas Division
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI Energy Services, LLC Affiliated Interest Agreement for Retail Electric Supply G-00980646

UGI Energy Services, Inc.
PUC License # A-110076
Electric Generation Service Agreement
And Disclosure Statement

Electric Generation Service Agreement

This Electric Generation Service Agreement ("Agreement") is between UGI Energy Services, Inc. and UGI Utilities, Inc. ("Customer"), also referenced herein as "Party" or collectively as "Parties." The company that owns the power lines and equipment necessary to deliver electric generation service to the Customer is referred to herein as the Customer's electric distribution company ("electric distribution company"). The Customer's electric distribution company is PP&L.

UGI Energy Services, Inc. is licensed by the Pennsylvania Public Utility Commission to offer and supply electric generation service in Pennsylvania. Customer agrees to purchase electric generation & transmission service from UGI Energy Services, Inc. for the Customer account identified in paragraph 2, subject to the following terms and conditions of this Agreement:

1. TERM - This Agreement shall become effective upon execution by both parties and shall commence on the first day the Customer's electric distribution company authorizes delivery of electric generation & transmission service by UGI Energy Services, Inc. to the Customer and shall continue in effect through the May 1999 meter read date. Customer shall be notified of the expiration of this Agreement at least forty-five days prior to the expiration date.

2. PRICE - For electric generation service supplied by UGI Energy Services, Inc., Customer shall pay UGI Energy Services, Inc. the generation and transmission charge specified below:

Table with 2 columns: Electric Distribution Company Account Number, Fixed Price \$/kWh. Row 1: 5135800360, \$0.03945

The generation and transmission charge shall be fixed for the entire term of this Agreement.

3. BILLING AND PAYMENT - All amounts due hereunder shall be billed by the Customer's electric distribution company on behalf of UGI Energy Services, Inc. If timely payment is not made, UGI Energy Services, Inc. may terminate this Agreement and discontinue service to Customer. Customer's electric generation service shall then be provided by the electric distribution company. Discontinuance of service by UGI Energy Services, Inc. does not relieve Customer of any obligations under this Agreement.

4. RIGHT OF RESCISSION - This Agreement shall remain in full effect for the entire term specified in Paragraph 1. The Customer may only cancel this Agreement at any time before midnight of the third business day after Customer's execution of this Agreement.

5. UNANTICIPATED CIRCUMSTANCES - UGI Energy Services, Inc. shall not be liable for damages caused if the electric generation service provided by UGI Energy Services, Inc. fails, is interrupted, or becomes defective because of a) an act of god, b) an act or requirement of any governmental authority, c) an accident, d) a labor problem, e) an act of a public enemy, f) an inability to access you electric distribution company's system, or g) any other cause, to the extent that UGI Energy Services, Inc. is rendered unable to deliver electric generation for customer and the cause is beyond UGI Energy Services, Inc.'s reasonable control.

6. LIMITATION OF DAMAGES - In no instance and for no purpose shall UGI Energy Services, Inc. be liable to Customer for any special, consequential, or incidental damages, regardless of whether the claim is made or remedy is sought in contract, tort, or otherwise.

7. AGENCY/DISCLOSURE OF ACCOUNT INFORMATION - UGI Energy Services, Inc. shall be Customer's agent for the purpose of making all arrangements with Customer's electric distribution company for the purpose of delivering electric generation service for the customer's account. UGI Energy Services, Inc. shall be authorized to receive the Customer's account information from the electric distribution company.

8. MISCELLANEOUS - This Agreement executed hereunder, shall be construed in accordance with the laws of the Commonwealth of Pennsylvania without recourse to provisions governing choice of law. Upon written notice to the other Party, Customer or UGI Energy Services, Inc. may assign this Agreement to a corporate affiliate or successor. Any other assignment shall require the prior written consent of the other Party.

9. NOTICES - Notice(s) required hereunder shall be deemed properly made if telecopied, delivered in person or certified mail to the following addresses or facsimile:

Customer's Representative:

Name:

Phone:

Fax:

UGI Utilities, Inc. - Gas Division
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI Energy Services, LLC Affiliated Interest Agreement for Retail Electric Supply G-00980646

UGI Energy Services, Inc.'s Representative:

Robert J. Libutti, Manager of Power Marketing
UGI Energy Services, Inc.
1100 Berkshire Blvd., Suite 305
Wyomissing, PA 19610

Telephone: (610) 373-7999 (ext 119)
Facsimile: (610) 374-4288

Disclosure Statement

DEFINITIONS

Basic Charges

Distribution Charges - Part of the basic service charges on every customer's bill for the delivery of electricity from the electric distribution company to your home or business. The distribution charge is regulated by the Public Utility Commission. This charge will vary according to how much electricity you use.

Generation Charges - Part of the basic service charges on every customer's bill for producing electricity. Generation service is competitively priced and is not regulated by the Public Utility Commission. This charge depends on the terms of service between the customer and the supplier.

Transition Charges - Part of the basic service charges on every customer's bill designed to recover an electric utility's transition or stranded costs as determined by the Public Utility Commission.

Transmission Charges - Part of the basic service charges on every customer's bill for transporting electricity from the source of supply to the electric distribution company. The Public Utility Commission regulates retail transmission prices and services. This charge will vary with your source of supply.

Non-Basic Charges - Any cost unrelated to the basic services of generation, transmission, distribution and transition.

Supplier of Last Resort - The Company which provides at least transmission and distribution services to those who do not choose another generator, or for some reason no longer have generation services from another company. Your supplier of last resort is PP&L.

ADDITIONAL INFORMATION

1. REGULATION - The generation charge in this agreement is established by mutual agreement between UGI Energy Services, Inc. and the Customer, and not the Public Utility Commission. The Public Utility Commission, however, regulates retail transmission and distribution services and prices.

2. CUSTOMER INQUIRIES/DISPUTES - If you have a question or dispute concerning this agreement, please call UGI Energy Services, Inc. If you are not satisfied with our response, you may contact the Public Utility Commission's electric competition hotline at 1-888-782-3228. You may also write to the Public Utility Commission at P.O. Box 3265, Harrisburg, PA 17105-3265.

AGREED AND UNDERSTOOD THIS DAY OF 199

To initiate deliveries by UGI Energy Services, Inc., Customer must establish a satisfactory credit history. The customer understands that establishing credit may require UGI Energy Services to request information from various credit agencies. Credit research will be done at no cost to the customer.

Customer's Name:

Customer Federal Tax ID Number:

Service Address: Main & Franklin Sts, Steelton, PA

Billing Address:

Signature:

By:

Title:

AGREED AND UNDERSTOOD THIS DAY OF 199, BY UGI ENERGY SERVICES, INC.

Signature:

By: Robert J. Libutti

Title: Manager, Power Marketing





UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies



UGI HVAC Enterprises, Inc. Affiliated Interest Agreement for Transfer of Utility Work Vehicles

G-2015-2496916

COMMONWEALTH OF PENNSYLVANIA  
PENNSYLVANIA PUBLIC UTILITY COMMISSION  
P.O. BOX 3265, HARRISBURG, PA 17105-3265

IN REPLY PLEASE  
REFER TO OUR FILE.

September 29, 2015

Docket No. G-2015-2496916  
Utility Code: 123100  
Docket No. G-2015-2497192  
Utility Code: 111100  
Docket No. G-2015-2497197  
Utility Code: 125146  
Docket No. G-2015-2497203  
Utility Code: 125127

MARK C MORROW  
UGI UTILITIES INC  
460 NORTH GULPH ROAD  
KING OF PRUSSIA PA 19406

Re: Affiliated Interest Agreement of UGI Utilities, Inc. – Gas Division, UGI Utilities, Inc. – Electric Division, UGI Penn Natural Gas, Inc. and UGI Central Penn Gas, Inc. with UGI HVAC Enterprises, Inc.

Dear Mr. Morrow:

On August 7, 2015, UGI Utilities, Inc. – Gas Division (UGI-GD), UGI Utilities, Inc. – Electric Division (UGI-ED), UGI Penn Natural Gas, Inc. (PNG) and UGI Central Penn Gas, Inc. (CPG), (collectively the UGI Distribution Companies), filed with the Pennsylvania Public Utility Commission (Commission), pursuant to 66 Pa. C.S. §§ 2102, *et seq.*, the above-referenced Affiliated Interest Agreement (Agreement). By Secretarial letter dated September 17, 2015, the Commission extended the statutory consideration period for this Agreement until further action of the Commission. On September 28, 2015, the UGI Distribution Companies filed the executed Agreement for the Release of Interest of Vehicles, to be effective upon Commission approval.

The UGI Distribution Companies filed the proposed Agreement between the UGI Distribution Companies and UGI HVAC Enterprises, Inc. (UGI-HVAC) to acquire ten work vehicles from UGI-HVAC.

UGI HVAC, through restructuring of its operations, has an excess of work vehicles whereas the UGI Distribution Companies have a need for work vehicles. The estimated Kelley Blue Book dealer trade-in value of the vehicles is estimated at \$184,702. The UGI Distribution Companies assert that this affiliated interest agreement will enable the UGI Distribution Companies to acquire work vehicles necessary for their operations at a very favorable price. The UGI Distribution Companies will acquire the excess UGI HVAC vehicles subject to final inspection.

Upon review of the filing, it does not appear that this Agreement is unreasonable or contrary to the public interest. Therefore, this filing is hereby approved. However, approval of this filing does not constitute a determination that the associated costs or expenses are reasonable or prudent for the purposes of determining just and reasonable rates. Furthermore, the Commission's approval is contingent

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

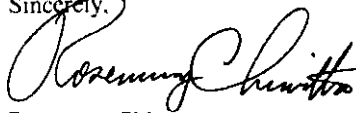
UGI HVAC Enterprises, Inc. Affiliated Interest Agreement for Transfer of Utility Work Vehicles

G-2015-2496916

upon the possibility that subsequent audits, reviews and inquiries in any Commission proceeding may be conducted, pursuant to 66 Pa. C.S. §§ 2102, *et seq.*

In addition, this approval will apply only to the agreement, services, matters and parties specifically and clearly defined under this instant proceeding as well as under any associated and previously filed filings.

Sincerely,



Rosemary Chiavetta  
Secretary

cc: Yasmin Snowberger, TUS  
Lee Yalcin, TUS

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI Sunbury, LLC Affiliated Interest Agreement G-2015-2467129



COMMONWEALTH OF PENNSYLVANIA  
PENNSYLVANIA PUBLIC UTILITY COMMISSION  
P.O. BOX 3265, HARRISBURG, PA 17105-3265

IN REPLY PLEASE  
REFER TO OUR FILE

June 10, 2015

G-2015-2467129  
Utility Code: 125146

DEVIN RYAN  
POST & SCHELL  
17 NORTH SECOND STREET 12<sup>TH</sup> FLOOR  
HARRISBURG PA 17101-1601

Re: Affiliated Interest Agreements – UGI Penn Natural Gas, Inc. and UGI Utilities, Inc. with UGI Sunbury, LLC and UGI Energy Services, LLC

Dear Mr. Ryan:

On February 11, 2015, UGI Penn Natural Gas, Inc. (PNG), Utility Code 125146, and UGI Utilities, Inc. (UGI), Utility Code 123100, filed with the Pennsylvania Public Utility Commission (Commission), pursuant to 66 Pa. C.S. §§ 2102, *et seq.*, the above-referenced Affiliated Interest Agreements. By Secretarial letter dated February 25, 2015, the Commission extended the statutory consideration period for these Agreements until further action of the Commission.

UGI Sunbury, LLC (UGI Sunbury) is proposing to construct and operate the Sunbury Pipeline to provide long-term transportation service to a proposed natural gas-fired generation facility owned and operated by Hummel Station LLC (Hummel). UGI Sunbury is an affiliated interest of PNG and UGI. The Sunbury Pipeline will be constructed by UGI Sunbury and is proposed to be regulated as an interstate pipeline by the Federal Energy Regulatory Commission (FERC).

UGI and PNG filed the following Agreements:

1. An agreement between UGI Sunbury and Hummel (UGI Sunbury and Hummel Agreement), if UGI Sunbury obtains FERC approval for the Sunbury Pipeline,
2. An agreement between PNG and Hummel (PNG and Hummel Agreement) if UGI Sunbury does not obtain FERC approval for the Sunbury Pipeline by May 1, 2016. The PNG Precedent Agreement also includes a Parental Guarantee by UGI to its subsidiary PNG,
3. An Asset Purchase Agreement, an Assignment and Assumption Agreement and a Bill of Sale by and between PNG and UGI Sunbury (collectively the Asset Purchase Agreements) if PNG must take ownership of the Sunbury Pipeline, and
4. A Project Management Agreement by and between PNG and UGI Energy Services, LLC (UGIES) (Project Management Agreement) for construction

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI Sunbury, LLC Affiliated Interest Agreement G-2015-2467129

management in the event PNG becomes the owner and builder of the Sunbury Pipeline.

PNG requested Commission approval of the Asset Purchase Agreements (Item 3 above) and the Project Management Agreement (Item 4 above) since PNG, UGI Sunbury, and UGIES are affiliated interests.

In the event that UGI Sunbury does not receive FERC approval for the pipeline, or FERC approval is delayed beyond May 1, 2016, UGI Sunbury will transfer ownership and responsibility to build the pipeline to PNG. To facilitate PNG's timely construction of the pipeline, PNG and UGIES have entered into an agreement for UGIES to provide project management services to PNG. UGIES is an affiliated interest of PNG and UGI. Upon completion of the pipeline by PNG, PNG will then provide natural gas distribution service through the Sunbury Pipeline to the Hummel plant in accordance with a service agreement to be entered into in accordance with PNG's Commission-approved tariff.

Also in the event that UGI Sunbury does not receive FERC approval for the pipeline, or FERC approval is delayed beyond May 1, 2016, PNG will construct, own, operate, and maintain the Sunbury Pipeline as a natural gas distribution company facility. PNG will provide transportation service to the Hummel plant pursuant to the terms and conditions of a Services Agreement and consistent with PNG's Gas Tariff No. 8. This agreement also includes a Parental Guarantee by UGI to PNG that is considered an affiliated interest agreement and will need Commission Approval.

Upon review of the filing, it does not appear that these Agreements are unreasonable or contrary to the public interest. However, approval of this filing does not constitute a determination that the associated costs or expenses are reasonable or prudent for the purposes of determining just and reasonable rates. Furthermore, the Commission's approval is contingent upon the possibility that subsequent audits, reviews and inquiries in any Commission proceeding may be conducted, pursuant to 66 Pa. C.S. §§ 2102, *et seq.*

Additionally, in the event that FERC approval is not obtained, and ownership of the Sunbury Pipeline transfers to PNG, PNG is directed to file its executed contracts to the Commission within 30 days of executing the Agreements.

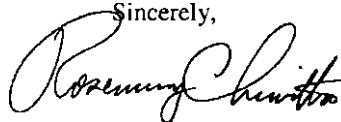
PNG asserts in its filing, that since the tangible and intangible property to be acquired by PNG from UGI Sunbury, if transferred, will be new property that will be consumed in the construction and operation of the Sunbury Pipeline, the transfer of such property does not require approval under Section 1102(a)(3) of the Public Utility Code. PNG originally requested Commission approval for the proposed assignment of the tangible and intangible property related to the Sunbury Pipeline, but is now requesting approval of the AIAs only. We make no determination regarding the transfer of property and are not providing any assurances of ratemaking recovery, at this time.

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

UGI Sunbury, LLC Affiliated Interest Agreement G-2015-2467129

This approval will apply only to the agreement, services, matters and parties specifically and clearly defined under this instant proceeding as well as under any associated and previously filed filings.

Sincerely,

A handwritten signature in black ink, appearing to read "Rosemary Chiavetta". The signature is written in a cursive, flowing style.

Rosemary Chiavetta  
Secretary

cc: Yasmin Snowberger  
Debra Backer

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

Amerigas Gas Beyond the Mains Agreement



August 7, 2013

VIA E-FILING

Rosemary Chivetta, Secretary  
Pennsylvania Public Utility Commission  
Commonwealth Keystone Building  
400 North Street  
Harrisburg, PA 17120

UGI Utilities, Inc.  
460 North Gulph Road  
King of Prussia, PA 19406  
Post Office Box 858  
Valley Forge, PA 19482-0858  
(610) 337-1000 Telephone  
(610) 992-3258 Fax

**Re: Affiliated Interest Filing of UGI Utilities, Inc.  
Docket No. G-**

Dear Secretary McNulty:

Pursuant to Section 2102 of the Public Utility Code, 66 Pa.C.S. §2102, UGI Utilities, Inc. – Gas Division (“UGI”) hereby submits for Commission approval a propane services supply agreement by and between UGI and Amerigas which will govern the provision by Amerigas of propane services to UGI for the period of July 1, 2013 through June 30, 2016 to support UGI’s Rate Gas-Beyond-the-Mains (“GBM”) service. In support thereof, UGI states the following:

I. BACKGROUND

1. UGI is a certificated natural gas distribution company serving portions of central and eastern Pennsylvania, and a wholly owned subsidiary of UGI Corporation.
2. AmeriGas, Inc., through its subsidiaries, operates the largest propane distributor in the United States (collectively “AmeriGas”).
3. An organization chart showing the corporate relationship between UGI and the UGI Affiliates is attached as Appendix A hereto.
4. UGI has operated a gas-beyond-the-mains (“GBM”) service since at least the 1960s.

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

Amerigas Gas Beyond the Mains Agreement

5. Upon the addition of Section 2102 to the Public Utility Code, UGI sought affiliated interest approval for the acquisition of propane and associated services and supplies from AmeriGas.

6. In an Order entered on December 16, 1982 at Docket No. G-820169, the Commission approved an affiliated interest letter agreement ("Letter Agreement") under which "[AmeriGas could] provide bulk propane sales to meet UGI's peak shaving needs, the continuance of propane purchases by UGI [from AmeriGas] for the gas-beyond-the-mains program and the purchase of miscellaneous services, supplies and fuel [by UGI from AmeriGas]."

7. Thereafter, UGI decided to terminate that portion of the Letter Agreement committing itself to purchase propane and related equipment and supplies for its gas-beyond-the-mains ("GBM") program from AmeriGas exclusively, and to seek competitive bids for these requirements.

8. After soliciting bids, AmeriGas was deemed the winner and entered into a "Gas Beyond the Mains Propane Sales Agreement" ("1988 GBM Agreement") with UGI on March 1, 1988.

9. Under the 1988 GBM Agreement, UGI reserved the right to periodically put its GBM requirements out to bid when it deemed it "necessary to secure the most competitive supply of goods and services."

10. In an Opinion and Order entered on September 15, 1988 at Docket No. G-880110, the 1998 GBM Agreement was approved by the Commission.

11. Under the terms of the 1998 GBM Agreement, AmeriGas agreed to provide propane and related services primarily at a fixed margin above a floating wholesale propane market price.



UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

Amerigas Gas Beyond the Mains Agreement

12. While UGI periodically surveyed the market, it did not see a significant opportunity to reduce propane service acquisition costs through re-bidding, and accordingly did not seek to re-bid for a number of years.

13. In response to a Focused Management and Operations Audit conducted by the Commission's Bureau of Audits in 2005, however, UGI agreed to develop a policy "to periodically procure competitive bids for the GBM program."

14. To prepare for a new competitive bid solicitation ("RFP") in 2006, UGI filed a summary of a potential affiliated interest arrangement, and an associated Pro Forma 2006-2009 Gas Beyond the Mains Agreement (the "2006 GBM Agreement"), with the Commission on March 20, 2006.

15. In May of 2006, UGI conducted its GBM RFP, and AmeriGas submitted the winning bid.

16. In an Order entered on June 22, 2006 at Docket No. G-00061166, the Commission approved UGI's affiliated interest arrangement and associated 2006 GBM Agreement.

17. Thereafter, in conjunction with a vote to release the results of a management efficiency investigation of UGI and UGI Penn Natural Gas, Inc., the Commission adopted a motion by Commissioner Christy at its October 9, 2008 public meeting to institute a non-prosecutorial investigation of "this Commission's jurisdiction over propane distribution systems and whether we are appropriately regulating gas beyond the mains programs of jurisdictional utilities." This informal investigation was subsequently docketed at M-2008-2072850.

18. At its October 9, 2008 public meeting, the Commission also adopted a motion, authored by Commissioner Christy, which stated the following:

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

Amerigas Gas Beyond the Mains Agreement

*In its Implementation Plan, UGI offers that in its next propane services RFP, to be held in the spring or early summer of 2009, it will require winning bidders to sell their tanks and associated equipment to the winners of future propane services RFPs. While this appears to be a positive development, I am concerned by the open ended nature of UGI's offer. I would request that UGI clarify that the future RFP be held one year after the 2009 RFP to ensure this situation will be cured in a timely manner, not at some undesignated future point in time.*

Christy October 9, 2008 Motion, p.2.

19. In response to this request, UGI conducted an RFP in the spring of 2009 for propane supply services for a one-year period beginning July 1, 2009, which incorporated a requirement that the winning bidder would agree to sell equipment to the winning bidder in a subsequent UGI propane services RFP process at a specified price.

20. Amerigas was the winner in this RFP process, and was accordingly now bound contractually to sell its propane equipment to the winner of a subsequent UGI propane services RFP.

21. Thereafter, in the spring of 2010, UGI conducted a further RFP for propane services for the three-year period commencing July 1, 2010, and bidders in this process were once again required to agree to sell pertinent propane equipment to the winners of the next UGI propane services RFP.

22. Amerigas was the winner of this RFP process.

23. In conjunction with the conduct of the 2009 propane services RFP, UGI filed a request for approval of the potential affiliated interest agreement with the Commission on March 5,

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

Amerigas Gas Beyond the Mains Agreement

2009, along with a copy of a "Pro Forma UGI Utilities, Inc. – Gas Division Gas Beyond the Mains Propane Supply Agreement" to be used in the 2009 RFP.

24. This filing was subsequently docketed at G-2009-2094375, and in a Secretarial Letter dated March 19, 2009, the Commission extended the period for its consideration of this filing.

25. In conjunction with the issuance of its 2010 propane services RFP, UGI filed a request for approval of a potential affiliated interest agreement with the Commission on April 12, 2010, along with a copy of the "Pro Forma UGI Utilities, Inc. 2010-2013 Gas Beyond the Mains Propane Supply Agreement" ("2010-2013 GBM Supply Agreement") to be used in the 2010 RFP.

26. This filing was subsequently docketed at G-2010-2169874, and in a Secretarial Letter dated May 11, 2010, the Commission extended the period for its consideration of this filing.

27. To date, the Commission has taken no action with respect to the affiliated interest filings at Docket Nos. G-2009-2094375 or G-2010-2169874, and it is UGI's understanding that the Commission does not intend to rule on any UGI GBM filings pending the completion of its informal GBM investigation at Docket No. M-2008-2072850.

28. In anticipation of the expiration of its 2010-2013 GBM Supply Agreement, UGI conducted a further RFP for propane services for the three-year period commencing July 1, 2013 earlier this year.

29. The RFP was sent by express mail on May 16, 2013 to 83 potential suppliers. In addition, the RFP was posted on UGI's Website. Responses to the RFP were due by 5:00 pm Eastern Standard Time on June 11, 2013.

30. A *pro forma* supply agreement was also circulated to potential bidders that was virtually identical to the 2010-2013 GBM Supply Agreement used during the 2010 RFP.

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

Amerigas Gas Beyond the Mains Agreement

31. Amerigas submitted the only bid in this RFP process, and UGI entered into a three-year propane services supply agreement with Amerigas utilizing the form agreement circulated with the RFP.

32. An executed copy of that agreement is attached in Appendix B hereto.

33. In a Tentative Order entered on July 16, 2013 at Docket M-2008-2072850, the Commission preliminarily established deadlines for the elimination of Rate GBM service to individual tank customers as of the end of their August 2014 billing cycle, to residential piped propane distribution systems on or before December 2015, and to commercial and industrial piped propane systems by December 2020.

34. A sixty-day comment period for the Tentative Order, and comments are due by mid-September.

35. Assuming the deadlines in the Tentative Order become final, the propane services agreement attached in Appendix B will meet the supply needs for residential customers through the end of UGI's Rate GBM service.

36. UGI recognizes that approval of the affiliated interest agreement attached in Appendix B would not preclude the Commission from investigating, during any formal or informal proceeding, including annual purchased gas cost filings, the reasonableness of any propane supply service purchases made pursuant to this agreement.

WHEREFORE, UGI respectfully requests affiliated interest approval for the propane

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

Amerigas Gas Beyond the Mains Agreement

supply services agreement attached in Appendix B.

Respectfully submitted,



Mark C. Morrow  
(Attorney I.D. No. 33590)  
UGI Corporation  
460 North Gulph Road  
King of Prussia, PA 19406-2807  
Tel.: 610.768.3628  
e-mail: [morrowm@ugicorp.com](mailto:morrowm@ugicorp.com)

Counsel for UGI Utilities, Inc. --  
Gas Division

Dated: August 7, 2013

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

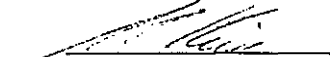
Amerigas Gas Beyond the Mains Agreement

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VERIFICATION

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J. P. Ghio, deposes and says that he is Vice President - Supply for UGI Utilities, Inc; that he is duly authorized to and does make this verification on its behalf; that the affiliated interest arrangement summarized in the foregoing document is true and correct to the best of his knowledge information and belief, and that this verification is made subject to the penalties of 18 Pa.C.S. §4904 (relating to unsworn falsification to authorities).

  
\_\_\_\_\_  
J. P. Ghio

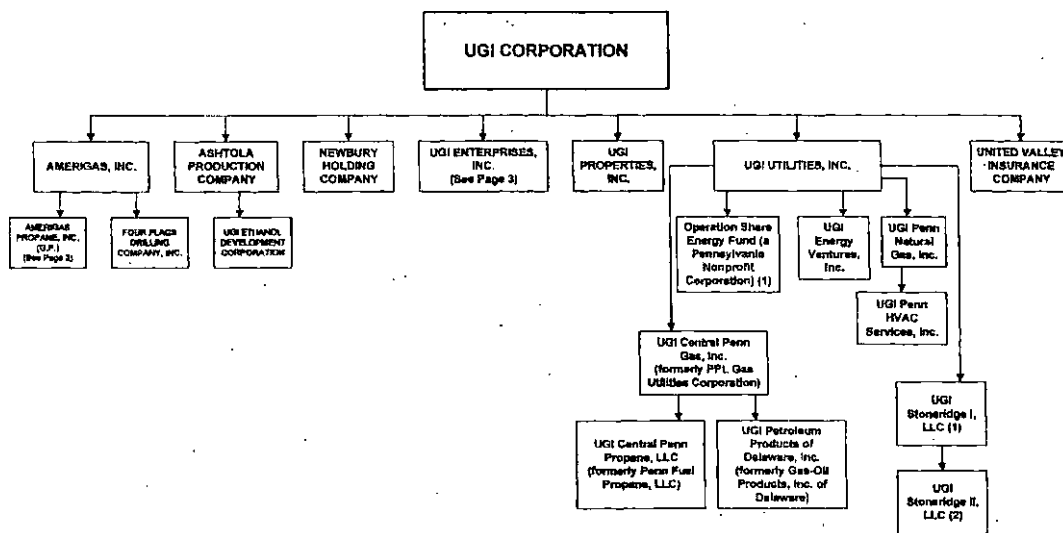
UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

Amerigas Gas Beyond the Mains Agreement

**APPENDIX A**

**(Organization Chart)**

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies



Americas Gas Beyond the Mains Agreement

Page 10 of 34

(1) UGI Utilities, Inc. is sole member  
(2) UGI Stoneridge I, LLC is sole member

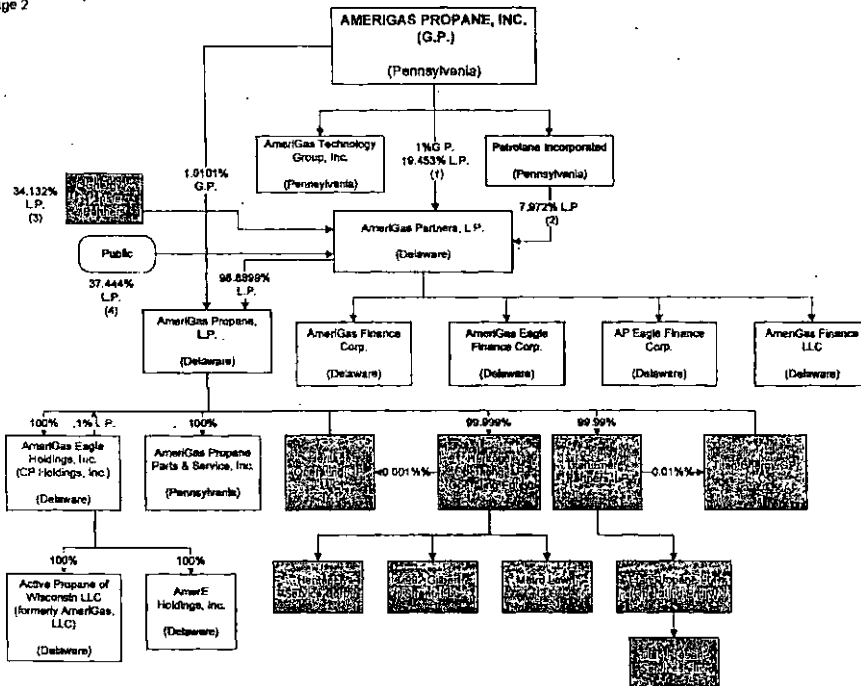


UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

Page 2

Page 1 of 34

Americas Gas Beyond the Mains Agreement



(1) 18,851,298 Common Units  
(2) 8,908,584 Common Units  
(3) 29,567,362 Common Units  
(4) 32,436,587 Common Units

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

Amerigas Gas Beyond the Mains Agreement

**APPENDIX B**

**(2013-2016 Propane Services Agreement)**

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

Amerigas Gas Beyond the Mains Agreement

UGI UTILITIES, INC. 2013-2016  
GAS BEYOND THE MAINS  
PROPANE SERVICES AGREEMENT

This UGI Utilities, Inc. 2013-2016 Gas Beyond the Mains Propane Services Agreement ("Agreement") is made this 11th day of June 2013, by and between Amerigas ("Supplier"), a Delaware Corporation, with offices at 460 North Gulph Road, King of Prussia PA and UGI Utilities, Inc. ("UGI"), a Pennsylvania corporation, with offices at 2525 North 12th Street, Post Office Box 12677, Reading, PA 19612.

BACKGROUND

UGI is a natural gas distribution company serving portions of eastern and central Pennsylvania whose rates and terms and conditions of service are subject to regulation by the Pennsylvania Public Utility Commission ("PUC").

Supplier is a distributor of propane and a provider of related services and equipment.

UGI may, from time to time, utilize propane to provide service to customers requesting natural gas distribution service where the extension of natural gas facilities is currently uneconomic ("GBM Service").

In providing GBM Service, UGI may, in certain instances, supply customers from individual propane tanks; in other instances UGI may install distribution facilities to serve multiple customer locations from a central propane tank or tanks.

To provide GBM Service, UGI has a need for propane supplies and related services and equipment.

Supplier is willing, pursuant to the terms and conditions of this Agreement, to supply such propane and related supplies and equipment.

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

Amerigas Gas Beyond the Mains Agreement

UGI is willing, pursuant to the terms and conditions of this Agreement, to acquire such propane and related supplies and equipment from Supplier.

NOW, THEREFORE, intending to be legally bound hereby, the parties hereto agree as follows:

**1. Commencement of Service to Pre-existing Locations** - On or before June 21, 2013,

UGI shall inform Supplier of (a) the locations of the propane tanks and associated equipment then being utilized by UGI's existing propane supplier to supply propane for UGI's GBM Service, (b) the ownership of these facilities, (c) the size of propane tanks then being utilized, and (d) such other information that UGI deems appropriate. On or before July 31, 2013, Supplier shall make necessary arrangements to either acquire (UGI's existing propane services supplier is obligated to sell its propane equipment at replacement costs which, in the case of propane tanks, shall be deemed to be the then-prevailing price of the same or similar tank in the Trinity Containers, LLC equipment catalog or, in the event the Trinity Containers, LLC catalog is no longer available, a reasonably similar catalog) or replace the existing propane tanks and associated equipment, other than existing propane tanks and associated equipment owned by UGI ("UGI Propane Facilities"), with its own propane facilities ("Supplier Propane Facilities") and commence the delivery of propane to UGI Propane Facilities and Supplier Propane Facilities to enable UGI to provide GBM Service to UGI GBM customers. When replacing propane tanks and associated equipment utilized by UGI's existing propane supplier, Supplier shall coordinate its activities with UGI and UGI's existing propane supplier to make sure that Supplier's propane tanks and associated equipment are installed and commence service without any interruption of service to UGI customers. If it is technically impossible to avoid an interruption of service, or if service is interrupted unintentionally, Supplier shall notify UGI and shall be responsible for the costs incurred

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by UGI in arranging for the relighting of customer equipment at the labor rates specified in Appendix C hereto.

- 2. Coordination** - When providing equipment or propane delivery services under this Agreement, Supplier shall coordinate its efforts with UGI to ensure that its propane tanks and associated equipment are properly connected to UGI's facilities and that propane service is provided in a safe and effective manner.
- 3. Use of Subcontractors** - To ensure the reliable delivery of propane, Supplier shall not delegate any of its responsibilities under this agreement to subcontractors or agents without the express prior written consent of UGI, which may be withheld in UGI's sole discretion.
- 4. Removal of Facilities** - If propane tank(s) and equipment provided by Supplier are no longer required because of a termination of GBM Service, including instances where UGI is converting GBM Service customers to natural gas distribution service, UGI shall notify Supplier via e-mail or other electronic means of communication or in writing of the need to remove the propane tank(s) and associated equipment, and Supplier shall schedule and complete the removal of its facilities, unless otherwise agreed by UGI, within thirty (30) days of the latter of its receipt of the notice or the date GBM Service is terminated. Supplier shall credit UGI, at the volumetric rate specified in Appendix A, for the propane inventory in the propane tanks that are removed, less a reasonable fee to remove the propane from the tanks.
- 5. Propane Tank Placement** - Where GBM Service requires the placement of propane facilities on a GBM Service customer's property, UGI shall ensure the customer provides a suitable location for such facilities and reasonable access thereto in accordance with the terms of the UGI Tariff and applicable regulatory requirements. Where GBM Service

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requires the installation of propane facilities, including propane storage tanks, to serve multiple customer locations, UGI shall provide Supplier with a suitable location for the placement, operation and maintenance of such facilities, and shall take into consideration and make commercially reasonable efforts to accommodate any Supplier requests concerning the characteristics of such locations. In the event that Supplier must redeliver propane because it is unable to gain access to a propane tank(s) serving multiple customer locations due solely to UGI's failure to provide reasonable access to the tank through facilities under UGI's control, Supplier may include in its invoice to UGI its reasonable and customary redelivery rate or charge.

- 6. Provision of Equipment** - Where GBM Service is to be provided to multiple customer locations from a central propane tank(s) at locations that were providing propane for GBM service prior to July 1, 2013, Supplier shall provide, unless UGI-owned facilities are already in place, (a) a suitably sized propane tank(s), (b) an appropriate propane tank base(s), (c) fencing around the propane tank(s) to the extent required by applicable fire safety codes or applicable federal, state and local laws and regulations, and, unless otherwise agreed by UGI, (d) regulators, manifolds and piping connecting the propane tank(s) to the existing point of interconnection with UGI's distribution facilities. Where a new or existing GBM Service customer account is to be served by a propane tank dedicated exclusively to the service of that account, Supplier shall provide (a) a suitably sized propane tank(s), (b) an appropriate tank base(s), (c) fencing around the propane tank(s) to the extent required by applicable fire safety codes or applicable federal, state and local laws and regulations and (d) regulators, manifolds and piping connecting the propane tank(s) to the location of UGI's meter. Unless otherwise agreed to by UGI, UGI shall be responsible for connecting Supplier's facilities to UGI's distribution facilities. In the event UGI has reasonable grounds to believe that the

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propane tank(s) and related facilities provided by Supplier may not be sufficient to enable UGI to provide adequate, efficient, safe and reasonable service without interruption to UGI GBM Service customers, UGI shall inform Supplier of its concerns and Supplier shall promptly confer with UGI and attempt, in good faith, to find a mutually acceptable solution. In the event such a solution is not arrived at within ten (10) business days, the parties shall refer the matter to their senior management who shall attempt, for a period of ten (10) additional business days, to reach a mutually acceptable solution. In the event a mutually acceptable agreement is not reached, either party may resort to any other remedies it may have under this Agreement. Supplier shall ensure that UGI personnel have the ability to access Supplier's propane tank(s) and associated equipment at all times, including access to fenced areas.

**7. Operational Responsibility** - At each Supplier propane tank location, Supplier, unless otherwise agreed by UGI, shall provide UGI with a drawing showing the point of interconnection (the "Interconnection Point") between Supplier's and UGI's facilities. UGI's acceptance of such a drawing shall not be deemed an acceptance of the accuracy of it and shall not shift the responsibility of the parties for the maintenance of their respective facilities. All propane tanks and associated equipment provided by Supplier pursuant to this Agreement and all equipment provided by UGI for the provision of GBM Service shall be designed, installed, operated and maintained in accordance with all applicable National Fire Protection Association Codes and all applicable federal, state and local laws and regulations. Supplier shall be responsible for ensuring that all propane equipment sites are maintained in accordance with all applicable National Fire Protection Association Codes and all applicable federal, state and local laws and regulations.

**8. Propane Supply** - As of the date Supplier's propane facilities are installed or purchased

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and connected to UGI's distribution facilities, and thereafter throughout the term of this Agreement and any extensions thereof, Supplier shall supply and deliver propane to its propane tanks pursuant to its obligations under this Agreement so that UGI customers receiving GBM Service shall have an uninterrupted supply of propane, and do not experience any undue risk of interruption. If UGI discovers that a propane tank for which Supplier has a propane delivery obligation under this Agreement has a fuel level that is at or below a level that would be required to provide adequate supply and vaporization capability to meet potential peak load conditions over the following five days (a "Low Propane Condition"); it shall notify Supplier within twenty-four hours by phone, fax or other acceptable means of electronic communication of this fact. If Supplier does not correct the Low Propane Condition within twenty-four (24) hours by delivering propane to the tank(s), or notifies UGI that it will not be able to do so, UGI, acting as supplier's agent, may arrange to have a third party fill the tank. If UGI makes such an arrangement with a third party, it shall promptly notify Supplier of this fact and, in addition to any other remedies UGI may have under this Agreement, shall be entitled to reimbursement from Supplier for all reasonable charges and expenses incurred in arranging third party propane deliveries, including the amount by which third party propane supplier charges exceed the amount Supplier would have charged for such deliveries under this Agreement and UGI labor charges computed at the rates specified in Appendix C hereto (collectively "Reimbursable Expenses"). UGI may, in its sole discretion, separately bill Supplier for Reimbursable Expenses or deduct such Reimbursable Expenses, in whole or in part, from the amounts UGI otherwise owes Supplier. To minimize the possibility of supply disruptions, and to ensure there is a prompt response in the event a Low Propane Condition or other emergency condition, Supplier shall have a contact person available to receive communication from UGI twenty-four (24)



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hours per day during each day of the year throughout the term of this Agreement and any extensions thereof.

**9. Interruption of GBM Service** - If GBM Service is interrupted because of Supplier's failure to perform its obligations hereunder, UGI shall notify Supplier of the supply interruption and Supplier shall take immediate action to correct its failure to perform and to take whatever actions are required to restore propane supplies for GBM Service. If, in UGI's sole judgment, Supplier is not taking immediate and adequate action to remedy the situation, UGI may, in addition to any other remedies it may have under this Agreement, take actions required to restore service to GBM Service customers including, if necessary, arranging, as supplier's agent, to have a third party fill the Supplier propane tanks. If UGI takes such actions, it shall promptly notify Supplier of this fact. UGI shall bill Supplier, and Supplier shall pay to UGI, an amount equal to the reasonable charges and expenses incurred in taking action to have service restored to GBM Service customers, including the amount by which third party propane supplier charges exceed the amount Supplier would have charged for such deliveries under this Agreement, UGI labor charges computed at the rates specified in Appendix C hereto (based on an estimate of the fully allocated costs, including overhead, of UGI employees who might be called upon to perform such work), and a penalty charge equal to three times UGI's direct costs. In addition, in the event GBM Service is interrupted because Supplier permitted propane to run out in a propane tank connected to UGI distribution facilities serving fifteen or more customers, UGI, in its discretion, may require Supplier to install a remote monitoring system that can remotely communicate to Supplier and UGI the level of propane in the tank. UGI may, in its discretion, waive any penalty charges without prejudice to its right to assess penalties for

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any future failure to perform. Nothing in this Section 10 shall reduce or affect the Supplier's indemnification obligations hereunder.

**10. Propane Specifications** - All propane provided by Supplier under this Agreement shall, unless otherwise agreed by UGI in writing, meet the HD-5 standard. All propane deliveries shall also meet Gas Producers Association Standard 2140 or ASTM Standard D1835, or any successor standards, and shall be odorized consistent with NFPA Code No. 58, or any successor, standards.

**11. Payment and Billing** - UGI shall pay the amounts set forth in Appendix A hereto for propane and related services provided by Supplier in accordance with the terms of this Agreement. Supplier shall bill UGI monthly by submitting an invoice to UGI. Each such invoice shall provide UGI with documentation, in a form acceptable to UGI, of the amount, time and location of each propane delivery. If Supplier is compensated separately for propane tank installations or other services, then documentation, in a form acceptable to UGI, of such installations or services shall be provided with the appropriate invoice. UGI shall pay invoiced amounts within twenty-five (25) days of its receipt of the invoice. UGI shall pay Supplier a late charge of one percent (1%) per month for all overdue balances. If a billed amount is disputed, UGI shall pay the undisputed amount on or before the due date, and shall provide Supplier with a written explanation of the grounds for its dispute. If it is subsequently determined that the disputed amount is due to Supplier, UGI shall pay the disputed amount to Supplier promptly, plus interest at the rate of one percent (1%) per month.

**12. Force Majeure** - UGI and Supplier shall not be liable to the other for any act, omission or circumstance occasioned by or in consequence of any force majeure, which shall mean acts of God, strikes, lockouts, acts of the public enemy, wars, blockades,

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insurrections, riots, epidemics, landslides, lightning, earthquakes, fires, storms, floods, washouts, arrests and restraints of rulers and peoples, civil disturbances, explosions, the binding order of any court or governmental authority which has been resisted in good faith by all reasonable legal means, and any other cause not reasonably within the control of the party claiming suspension and which by the exercise of due diligence such party is unable to prevent or overcome; provided, however, that Supplier acknowledges that adverse weather conditions can reasonably be anticipated to occur and can be planned for, and that such weather conditions shall not be deemed a force majeure event. Such causes or contingencies affecting the performance hereunder by either UGI or Supplier, however, shall not relieve it of liability in the event of its concurrent negligence or in the event of its failure to use due diligence to remedy the situation and to remove the cause in an adequate manner and with all reasonable dispatch. Any party claiming force majeure shall provide prompt written notice to the other party and advise as to the extent of the interruption, its date, its cause, and probable duration. In the event Supplier is not able to deliver propane to a tank(s) because of a force majeure event, UGI, acting as supplier's agent, may arrange to have a third party fill the tank. If UGI makes such an arrangement with a third party, it shall promptly notify Supplier of this fact.

**13. Confidentiality** - Supplier shall only use GBM customer information disclosed by UGI hereunder for the purpose of fulfilling its obligations under this Agreement, and shall not disclose such information to third parties without the prior written consent of UGI. This obligation shall not apply to information in the possession of Supplier prior to the time UGI disclosed the information, information which was legally received from a third party who represents that the information is not subject to a confidentiality agreement or which was in the public domain at the time of disclosure, or subsequently became part of the public domain through no fault of

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Supplier. The provisions of this Section 14 shall survive the termination of this Agreement for any reason for a period of two (2) years.

**14. Contractor Status** - Supplier acknowledges that it will be acting as an independent contractor and neither Contractor nor any of its employees or contractors shall be deemed to be an employee or agent of UGI or its affiliates by virtue of its performance of its obligations under this Agreement.

**15. Performance Assurance** - UGI may, at its option, require Supplier to provide UGI with a Performance Bond, a Performance and Payment Bond or other security in a form or forms acceptable to UGI. Supplier shall cooperate in providing third parties with information necessary for the issuance of any required bonds or other forms of financial security.

**16. Breach and Default** - A party hereto shall be deemed to be in Breach of this Agreement if it fails to pay an undisputed amount due to the other party twenty days after the due date for such payment or a party fails to perform or observe any material term or condition of the Agreement. In the event a breach, the non-breaching party shall provide the breaching party with a written notice of the breach. Thereafter, if the breach is not rectified or cured within twenty (20) days after receipt of the notice, the breaching party shall be deemed to be in default of the Agreement.

**17. Indemnification** - Supplier and UGI each agree to hold the other harmless and to indemnify the other and their respective officers, employees, directors, agents, contractors and successors and assigns against any claims from third parties, including claims for personal injury or property damage, arising out of the performance or nonperformance of their respective obligations under this Agreement.

**18. Insurance** - Prior to performing any services under this Agreement, Supplier shall deliver to UGI certificates of insurance evidencing the following insurance coverages which shall be

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maintained during the term of this Agreement, and which shall include UGI as an additional insured on the Comprehensive General Liability and Automobile Liability policies:

- a) Comprehensive General Liability, insuring Supplier for Property Damage, Bodily Injury, Personal Injury, including sickness, disease and/or mental anguish, in limits of not less than \$5,000,000 per occurrence. This coverage will be applicable to liability arising from:
- (1) Operations in performance of work
  - (2) Liability assumed by contract
  - (3) Products/Completed Operations
  - (4) Contractor's Protective Liability
  - (5) "X" "C" "U" coverage if underground operations are required to perform tasks under the Agreement. The policy should be endorsed, deleting the word "accident" from the insuring clause and substituting "occurrence" for "accident" in the clause and other pertinent clauses in the policy which are applicable thereto.
- b) Automobile Liability, insuring Supplier against claims for Bodily Injury, including sickness, disease or mental anguish in limits of not less than \$1,000,000 per occurrence; and Property Damage in the limit of not less than \$1,000,000 per accident, covering the operation of owned, leased, hired and non-owned automotive equipment.
- c) Workers Compensation and Occupational Disease Coverage, providing Supplier with statutory benefits under Pennsylvania Statute and Employer's Liability Limit, under Coverage B of the standard policy, of not less than \$1,000,000 per accident for injury and \$1,000,000 aggregate for Occupational Disease.
- d) Fire and Extended Coverage Insurance, on equipment, stock, materials and supplies at risk under this Agreement, covering the interest of Supplier and UGI. Each such certificate and policy shall provide that no cancellation or non-renewal of, or material change in, the policy

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shall become effective except upon thirty (30) days' prior written notice thereof by the insurance company to UGI. All required insurance coverage hereunder shall be provided by reliable insurance companies, deemed satisfactory by UGI, and authorized to do business in Pennsylvania.

**19. Effective Date and Term and Sale of Propane Equipment** - This Agreement shall become effective on the date first above written, shall remain in effect until for an initial term ending on June 30, 2016. In the event UGI, in anticipation of or after the completion of the initial term of this Agreement, selects a new propane services supplier for its GBM program, Supplier shall sell, if requested by the new propane service supplier or UGI, any or all of its propane equipment described in Section 7 hereof to the new propane services supplier or UGI at a cost which shall be no greater than replacement costs which, in the case of propane tanks, shall be deemed to be the then-prevailing price of the same or similar tank in the Trinity Containers, LLC equipment catalog, inclusive of delivery charges but not installation costs, or, in the event the Trinity Containers, LLC catalog is no longer available, a reasonably similar catalog. Any propane equipment sales shall be consistent with the terms and conditions in the Bill of Sale and Indemnification Agreement attached as Appendix D hereto. Supplier agrees that propane supply equipment which is not sold consistent with this section shall be removed at Supplier's cost, and that Supplier shall reasonably cooperate with the new propane services supplier in the removal and replacement of Supplier's equipment so that service disruptions to GBM customers are minimized or avoided entirely.

**20. Termination** - UGI shall have the right to terminate this Agreement if (a) Supplier is in default of its obligations under this Agreement; (b) UGI determines, in its sole discretion, that it is unable to recover costs associated with this Agreement through its regulated rates in an acceptable and satisfactory manner, (c) Supplier fails to provide performance assurance

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required under this agreement in a timely manner or (d) UGI has a reasonable basis to believe that Supplier is insolvent or bankrupt, or insolvency or bankruptcy proceedings are initiated against Supplier. In the event this Agreement is terminated for any reason, including the expiration of its term, Supplier may be required, at UGI's discretion, to remove some or all of its propane tanks and associated equipment at its own cost.

**21. Notices** - Any notice, communication, request, reply or advice (hereinafter severally and collectively called "notice") in this agreement provided or permitted to be given, made, or accepted by either party to the other must be in writing and may be given or be served by depositing the same in the United States mail, addressed to the party to be notified, postage prepaid, or by delivering the same in person to such party or by facsimile or other mutually acceptable form of electronic communication. Notice deposited in the mail in the manner herein described shall be effective only if and when received by the parties to be notified. Notices, until changed as hereinafter provided, shall be delivered to the follow addresses:

If to Supplier:

If to UGI: Manager, Supply Planning & Procurement  
2525 North 12th Street  
Suite 360  
Post Office Box 12677  
Reading, PA 19612-2677

or at such other address as Buyer may have advised Seller in writing.

**22. Controlling Law** - The interpretation and performance of this Agreement shall be in accordance with and controlled by the laws of the Commonwealth of Pennsylvania.

**23. Waiver** - A failure or delay on the part of either party to exercise a right, remedy, power or privilege under the Agreement, including the right to assess a penalty; shall not operate as a waiver thereof; nor shall any single or partial exercise of any right, remedy, power or privilege

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preclude any other or further exercise of the same, nor shall any waiver of any right, remedy, power or privilege with respect to any other occurrence be construed as a waiver of such right, remedy, power or privilege with respect to any other occurrence.

**24. Severability** - If any portion of the Agreement is found to be invalid or illegal, it shall not affect the validity or enforceability of any other portion of the Agreement.

**25. Assignment** - Neither party shall assign any of its rights or obligations under this Agreement without the prior written consent of the other party, which shall not be unreasonably withheld; provided, however, that either party may, without the consent of the other party, transfer or assign this Agreement to any person or entity succeeding to all or substantially all of the assets of such party, whether by sale, consolidation, merger or otherwise.

**26. Amendments** - This Agreement may not be amended or supplemented except by a written instrument duly executed by both parties.

**27. Counterparts** - This Agreement may be executed in two or more counterparts, each of which shall be deemed an original, but all of which together shall constitute but one and instrument.

**28. Integration** - The foregoing and any exhibits or appendices mentioned specifically therein constitute the entire agreement between the parties relating to the subject matter hereof, and all previous and contemporaneous agreements, understandings, discussions, inducements, conditions, communications and correspondence, whether written or oral, express or implied, with respect to the subject matter hereof are superseded by the execution of this Agreement.



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IN WITNESS WHEREOF, the parties have caused this Agreement to be executed by their duly authorized officers as of the day and year first above written.

(22)

UGI UTILITIES, INC.

SUPPLIER

Name printed: M.M.  
Title:

Name Printed: Bob Young  
Title:

Operations Vice President  
AmeriGas

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APPENDIX A

Propane Service Pricing Schedule

	0 — 1,999 gallons	2,000 — 8,999 gallons	9,000 — 14,000 gallons	15,000+ gallons
Fixed Price	\$0.525	\$0.525	\$0.225	\$0.225

Note: The fixed prices listed above are all inclusive (Please make sure that you review carefully all supplier responsibilities as reflected in the Pro Forma Agreement) except for the commodity cost of propane which is the posted price at (sec 1. below) as published by (see 2. below) on the delivery day, if applicable, or the immediate preceding publication. The volume ranges above for the determination of the fixed price bid references the total tank storage volume at each location a delivery is made, not the volume of the propane delivered at each location. For instance, a delivery of 1,000 gallons to a customer with a 30,000 gallon tank would have an associated fixed price in the "15,000+ gallons" category.

1. "Plains Marketing" Schaefferstown, PA
2. BPW Weekly Propane Newsletter

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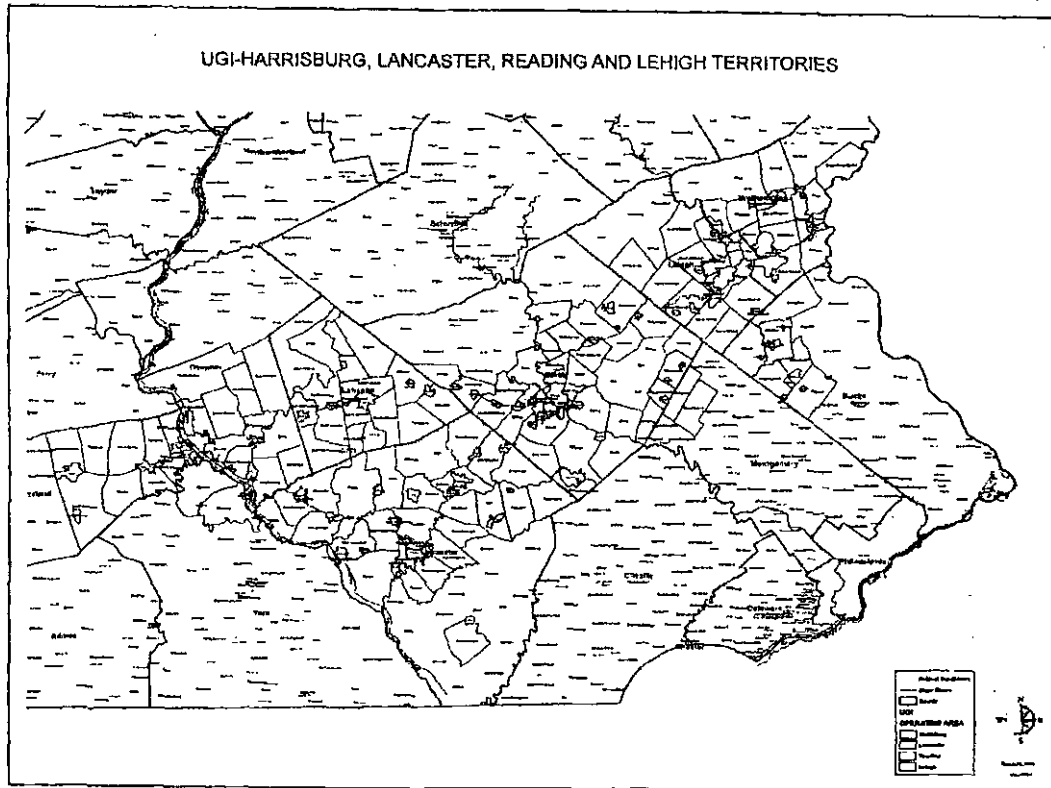
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**APPENDIX B**

**Areas Supplier is Obligated to Serve**

Please see UGI's territory map on the following page.

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Americas Gas Beyond the Mains Agreement

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**APPENDIX C**

**Labor Rates**

The labor rate shall be \$244.00/hour.

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**APPENDIX D**

**Bill of Sale and Indemnification Agreement**

Please see the Agreement on the following pages.

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**BILL OF SALE AND INDEMNIFICATION AGREEMENT**

BILL OF SALE dated \_\_\_\_\_, from \_\_\_\_\_, a \_\_\_\_\_ corporation ("Seller") to \_\_\_\_\_, a \_\_\_\_\_ ("Buyer").

Pursuant to due authorization, Seller is presently executing and delivering this Bill of Sale to Buyer for the purpose of selling to and vesting in Buyer good and marketable title, subject to the restrictions and limitations set forth herein, title to the following Tank("Tank"):

<u>Description (Volume)</u>	<u>Manufacturer</u>	<u>Serial No.</u>
_____ gallon (wc) propane tank		

In consideration for Seller's execution and delivery of this Bill of Sale, Buyer agrees to indemnify and hold harmless Seller as set forth below.

NOW, THEREFORE, in consideration of the premises and other valuable consideration of (u. s.) \$ \_\_\_\_\_, receipt of which is hereby acknowledged, Seller has sold, conveyed, transferred, assigned, set over to, and vested in, and by these presents does sell, convey, transfer, assign, set over to, and vest in, BUYER, his heirs, executors, administrators and assigns, all of Seller's right, title and interest, legal and equitable, in and to the Tank.

TO HAVE AND HOLD the foregoing Tank unto Buyer, his heirs, executors, administrators and assigns forever.

THE TANK WILL BE DELIVERED TO BUYER AS IS AND WHERE IS, WITH ALL FAULTS, AND SELLER MAKES NO OTHER WARRANTIES, GUARANTEES OR REPRESENTATIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED, ARISING BY LAW OR OTHERWISE, THAT SHALL SURVIVE DELIVERY OF THE TANK TO BUYER PURSUANT TO THIS INSTRUMENT, INCLUDING, BUT NOT LIMITED TO, THE CONDITION OR VALUE OF SUCH TANK, ANY IMPLIED WARRANTY OF MERCHANTABILITY, ANY IMPLIED WARRANTY ARISING FROM COURSE OF PERFORMANCE, COURSE OF DEALING OR USAGE OR TRADE, AND ANY IMPLIED WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE. IN ADDITION, ALL OTHER LIABILITY THAT MAY ARISE WITH RESPECT TO THE USE, SALE OR LEASE OF THE TANK EITHER IN CONTRACT OR TORT, INCLUDING WITHOUT LIMITATION, STRICT LIABILITY FOUNDED IN SECTION 402A OF THE RESTATEMENT OF TORTS OR OTHERWISE, IS EXPRESSLY DISCLAIMED AND NEGATED.

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By its execution of the Agreement and Acknowledgment below, Buyer acknowledges receipt of the Tank and a copy of this Bill of Sale and agrees that:

(a) Buyer will pay all sales, use and transfer taxes, if any, resulting from the sale of the Tank to Buyer, and

(b) Delivery of possession shall be deemed to have occurred on the date hereof, and all risk of loss to the Tank WHETHER OR NOT COVERED BY INSURANCE, shall be on, pass to and be on Buyer from and after such time.

(c) Buyer acknowledges that the Tank has been used for the storage of propane and that in the event it is to be used for the storage of any other commodity, Buyer should investigate and determine whether the Tank must be purged and cleaned and the proper method of such purging and cleaning.

(d) Buyer hereby irrevocably and unconditionally indemnifies and holds harmless Seller and each of Seller's owners, partners, agents, directors, officers, employees, insurers, representatives, attorneys, divisions, subsidiaries, parents, affiliates, and its and their predecessors, successors, heirs, executors, administrators and assigns, and all persons acting by, through, under or in concert with any of them, of and from any and all actions, causes of action, suits, debts, charges, complaints, claims, liabilities, obligations, promises, agreements, controversies, damages and expenses (including attorney's fees and costs), of any nature whatsoever, in law or equity, arising from or in any way related to the possession, sale, lease or use of the Tank which is the subject of this Agreement, including any alleged violation of any federal, state or local law, statute, rule, regulation, ordinance or common law relating to the Tank in any way.

This instrument shall be governed by and enforced in accordance with the laws of the Commonwealth of Pennsylvania.

IN WITNESS WHEREOF, Seller has caused this Bill of Sale to be duly executed on the date first above written.

\_\_\_\_\_  
By: \_\_\_\_\_

Title: \_\_\_\_\_

AGREED TO AND ACKNOWLEDGED  
AS \_\_\_\_\_

BY: \_\_\_\_\_  
Name of Buyer



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AIA Financing G2015-2489752 and G-2015-2489771

**PENNSYLVANIA  
PUBLIC UTILITY COMMISSION  
Harrisburg, PA 17105-3265**

Public Meeting held August 20, 2015

Commissioners Present:

Gladys M. Brown, Chairman  
John F. Coleman, Jr., Vice Chairman  
James H. Cawley  
Pamela A. Witmer  
Robert F. Powelson

	Docket Number:
Affiliated Interest Agreement between UGI Utilities, Inc. and UGI Central Penn Gas, Inc.	G-2015-2489752
Affiliated Interest Agreement between UGI Utilities, Inc. and UGI Penn Natural Gas, Inc.	G-2015-2489771
Securities Certificate of UGI Central Penn Gas, Inc. for the incurrence of indebtedness under a \$50 million financing agreement through and until March 26, 2020.	S-2015-2490184
Securities Certificate of UGI Penn Natural Gas, Inc. for the incurrence of indebtedness under a \$150 million financing agreement through and until March 26, 2020.	S-2015-2490205
Securities Certificate of UGI Utilities, Inc. for the incurrence of indebtedness under a \$450 million unsecured, revolving credit agreement through and until March 26, 2020.	S-2015-2490378

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AIA Financing G2015-2489752 and G-2015-2489771

**ORDER**

**BY THE COMMISSION:**

On June 26, 2015, UGI Gas Utilities, Inc. (UGIU) filed pursuant to Chapter 21 of the Pennsylvania Public Utility Code, 66 Pa. C.S. §§2101, *et seq.*, for approval of an affiliated interest agreement between UGIU, UGI Central Penn Gas, Inc. (CPG) and UGI Penn Natural Gas, Inc. (PNG)(jointly, UGI Gas Utilities) for authority to participate in a financing agreement whereby CPG and PNG (jointly, UGIU Subs) would be provided funds borrowed by UGIU. On June 29, 2015, CPG and PNG filed for registration pursuant to Chapter 19 of the Pennsylvania Public Utility Code, 66 Pa. C.S. §§ 1901 *et seq.* and 52 Pa. Code § 3.601 (relating to Commission registration of securities certificates), the above-captioned securities certificates for the incurrence of indebtedness under a \$50 million and \$150 million financing agreement, respectively, through and until March 26, 2020. On June 30, 2015, UGIU, filed for registration pursuant to Chapter 19 of the Pennsylvania Public Utility Code, 66 Pa. C.S. §§ 1901 *et seq.* and 52 Pa. Code § 3.601 (relating to Commission registration of securities certificates), the above-captioned securities certificate for the incurrence of indebtedness up to \$450 million under an unsecured, revolving credit agreement through and until March 26, 2020 (Credit Agreement). On July 21, 2015, UGI Gas Utilities agreed to voluntarily extend the consideration period until August 21, 2015.

CPG (utility code 125127) is a natural gas distribution company duly organized and existing under the laws of the Commonwealth of Pennsylvania. CPG provides natural gas utility service to approximately 81,096 customers in a service territory encompassing all or portions of 35 counties in Pennsylvania and 527 customers in one county in Maryland, through a distribution system containing approximately 3,838 miles of gas mains. CPG is a wholly-owned subsidiary of UGIU.

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

AIA Financing G2015-2489752 and G-2015-2489771

PNG (utility code 125146) is a public utility corporation organized and existing under the laws of the Commonwealth of Pennsylvania. PNG provides natural gas utility service to approximately 166,247 located in 13 counties in northeastern Pennsylvania through a distribution system containing approximately 2,552 miles of gas mains. CPG is a wholly-owned subsidiary of UGIU.

UGIU (utility code 123100) is a public utility corporation duly organized and existing under the laws of the Commonwealth of Pennsylvania. UGIU provides natural gas utility service to approximately 371,912 customers in 15 counties in eastern and central Pennsylvania through a distribution system containing approximately 5,642 miles of gas mains. UGIU also operates as an electric distribution company and provides electric utility service to approximately 61,789 customers in portions of Luzerne and Wyoming Counties in northeastern Pennsylvania. UGIU is a wholly-owned subsidiary of UGI Corporation (NYSE: UGI).

**The Credit Agreement**

Under the Credit Agreement, dated as of March 27, 2015, the participating lenders have agreed to provide UGIU an initial loan commitment of \$300 million. UGIU may request increase to the loan commitment in \$10 million increments up to a maximum of \$450 million. Any indebtedness will initially mature on March 25, 2016. The maturity date may be extended through and until March 26, 2020, provided registration of the securities certificate prior to March 25, 2016. The Credit Agreement is an unsecured, revolving credit agreement that permits borrowing for general corporate purposes from a consortium of lenders, none of whom are affiliated with UGIU. The interest rate will be floating established upon various benchmark lending rates plus a margin based on UGIU's credit rating.

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

AIA Financing G2015-2489752 and G-2015-2489771

### **The Financing Agreement**

Consistent with the terms of the Credit Agreement,<sup>1</sup> UGIU has agreed to loan CPG up to \$50 million (CPG Financing Agreement) and PNG up to \$150 million (PNG Financing Agreement)(together, Financing Agreements). As the Financing Agreements are affiliated interest agreements, Commission approval is required before CPG or PNG are able to borrow under the Financing Agreements.

UGIU states that approval of the Financing Agreements is in the public interest because it gives CPG and PNG access to credit at a lower cost. UGIU subs do not issue debt and are not currently rated by any credit rating services. Given that UGIU has issued publicly-traded debt securities and is rated by one or more major credit rating agencies, UGIU avers it will be able to raise capital at rates more favorable than CPG or PNG could if they sought to access the credit markets on their own. UGIU Subs will utilize the Financing Agreements for working capital which will primarily consist of their seasonal purchased gas cost obligations.

Compliance checks found that UGI Gas Utilities are current with its annual and Security Planning and Readiness report filing requirements, and has no outstanding Commission fines or assessments.

Having examined CPG's securities certificate for the incurrence of indebtedness in an amount up to \$50 million under a financing agreement through and until March 26, 2020, PNG's securities certificate for the incurrence of indebtedness in an amount up to \$150 million under a financing agreement through and until March 26, 2020, and UGIU's securities certificate for the incurrence of indebtedness in an amount up to \$450 million under an unsecured, revolving credit agreement through and until March 26, 2020, we have determined that the proposed indebtedness appears to be necessary or proper for the

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<sup>1</sup> The UGIU Subs will borrow at the same rates, terms, and conditions.

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

AIA Financing G2015-2489752 and G-2015-2489771

present and probable future capital needs of the utility, and as a result the securities certificates should be registered. We also find that the instant affiliated interest agreements between UGIU and the UGI Subs appears to be reasonable and consistent with the public interest under Section 2102(b) of the Public Utility Code; however, approval of the affiliated interest agreements does not preclude the Commission from investigating during any formal proceeding the reasonableness of any charges under this arrangement; **THEREFORE,**

**IT IS ORDERED:**

1. That the securities certificate of UGI Central Penn Gas, Inc. for the incurrence of indebtedness under a \$50 million financing agreement through and until March 26, 2020, is hereby registered.
2. That the securities certificate of UGI Penn Natural Gas, Inc. for the incurrence of indebtedness under a \$150 million financing agreement through and until March 26, 2020 is hereby registered.
3. That the securities certificate of UGI Utilities, Inc. for the incurrence of indebtedness under a \$450 million unsecured, revolving credit agreement through and until March 26, 2020 is hereby registered.
4. That the Affiliated Interest Agreement between UGI Utilities, Inc. and UGI Central Penn Gas, Inc. is hereby approved.
5. That the Affiliated Interest Agreement between UGI Utilities, Inc. and UGI Penn Natural Gas, Inc. is hereby approved.

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

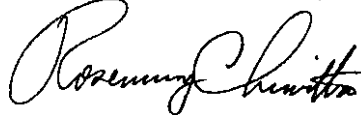
AIA Financing G2015-2489752 and G-2015-2489771

6. That acceptance does not preclude the Commission from investigating during any formal proceeding the reasonableness of any charges under the Agreement.

7. Consistent with Section 1903(b) of the Public Utility Code, 66 Pa. C.S. § 1903(b), the registration of the subject Securities Certificates does not represent Commission approval of the proposed projects for rate recovery pursuant to 66 Pa. C.S. Sections 1301-1328.

8. That the case be marked closed.

**BY THE COMMISSION,**



Rosemary Chiavetta  
Secretary

(SEAL)

ORDER ADOPTED: August 20, 2015

ORDER ENTERED: August 20, 2015

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

AIA UGI HVAC G-00051142 - Affiliate Interest Agreement

**PENNSYLVANIA  
PUBLIC UTILITY COMMISSION  
Harrisburg, PA 17105-3265**

Public Meeting held December 1, 2005

Commissioners Present:

Wendell F. Holland, Chairman  
James H. Cawley, Vice Chairman, Statement attached  
Bill Shane  
Kim Pizzingrilli  
Terrance J. Fitzpatrick

Application of UGI Utilities, Inc. for approval to acquire the voting capital stock of a newly formed subsidiary, for the transfer of certain assets and for approval of an affiliated interest arrangement.

Docket No.:  
A-123100 F0034  
G-00051142

**ORDER**

**BY THE COMMISSION:**

On August 22, 2005, UGI Utilities, Inc. (UGI) filed the above captioned application to Chapter 11 of the Public Utility Code, 66 Pa. C.S. §§1102, *et seq.*, seeking approval of the proposed acquisition of the voting capital stock of a new subsidiary and the transfer of the assets of its unregulated HVAC business to the new subsidiary (NewCo). UGI also seeks approval of an affiliated interest arrangement whereby NewCo leases certain office space for its employees. On September 20, 2005, UGI voluntarily extended the consideration period to October 28, 2005. Notice of UGI's application was published in the Pennsylvania Bulletin on October 1, 2005. On October 26, 2005, UGI further extended the consideration period of the instant application to December 12, 2005.

For the past 4 years, the HVAC business has operated as a separate business unit of UGI, having separate work force, separate collective bargaining agreements and a

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

AIA UGI HVAC G-00051142 - Affiliate Interest Agreement

separate management structure up to the level of President and CEO of UGI. The purpose of this transfer is to formally separate this unregulated business from UGI's regulated natural gas sales and distribution business. The transfer of the HVAC business will not adversely affect the quality of service currently provided to UGI customers.

The Applicant avers that the transfer of assets of the HVAC business to the new subsidiary will serve the public interest in that it will allow the Applicant to grow and become a stronger competitor in a non-regulated market. Upon consideration, we conclude that the record provides substantial evidence of affirmative public benefit sufficient to warrant approval of the proposed transactions under *City of York v. Pennsylvania Public Utility Commission*, 449 Pa. 136, 295 A.2d 825 (1972).

Having thus reviewed the application concerning the transfer of assets of UGI's HVAC division to the new subsidiary, we find that the transfer is necessary or proper for the service, accommodation, convenience, or safety of the public, and that the application should be approved; **THEREFORE,**

**IT IS ORDERED:**

1. That the application concerning the acquisition of the voting capital stock of a newly formed subsidiary, NewCo, and the transfer assets of UGI Utilities, Inc. HVAC division to NewCo, is hereby approved and a Certificate of Public Convenience be issued to UGI Utilities, Inc. evidencing such approval.

2. That the application concerning the Affiliated Interest Arrangement, docketed at G-00051142, between NewCo and UGI Utilities, Inc., in which NewCo will



UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

AIA UGI HVAC G-00051142 - Affiliate Interest Agreement

reimburse UGI Utilities, Inc. for the allocated costs associated with its use of space in several UGI facilities, is hereby approved.

3. That notice of the date of consummation of the transaction approved in Ordering Paragraph No. 1, above, be filed within 60 days of such consummation.

4. That the case be marked closed.

**BY THE COMMISSION**

James J. McNulty

Secretary

(SEAL)

ORDER ADOPTED: December 1, 2005

ORDER ENTERED: December 1, 2005

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

AIA UGI HVAC G-00051142 - Affiliate Interest Agreement



UGI Utilities, Inc.  
460 North Gulph Road  
King of Prussia, PA 19406  
  
Post Office Box 858  
Valley Forge, PA 19482-3658  
  
(610) 337-1000 Telephone  
(610) 992-3258 Fax

August 22, 2005

VIA FEDERAL EXPRESS

James J. McNulty, Secretary  
Pennsylvania Public Utility Commission  
P.O. Box 3265, North Office Building  
Harrisburg, PA 17105-3265

Re: **Application of UGI Utilities, Inc. for approval to form subsidiary and transfer assets, Docket No. A-**

Dear Secretary McNulty:

Enclosed for filing are an original and three copies of the above-captioned Application of UGI Utilities, Inc. ("UGI") for approval to form a subsidiary and transfer assets, together with the \$350 filing fee.

In this filing, UGI proposes to transfer to a new subsidiary ("NewCo", which will be incorporated upon the Commission's approval of this application) approximately \$1.2 million in net value of assets currently employed in providing unregulated HVAC services to commercial and residential customers. These services consist mostly of designing heating and cooling systems and selling, installing and servicing heating and cooling appliances. UGI performs these services at non-tariffed rates. The assets being transferred consist primarily of accounts receivable, inventory, fixed assets (primarily tools whose capital value exceeds \$500) and the assets and off-setting liabilities associated with service contracts.

The purpose of this transfer is to formally separate this unregulated business from UGI's regulated natural gas sales and distribution business. For the past 4 years, the HVAC business has operated as a separate business unit of UGI, having a separate work force, separate collective bargaining agreements and a separate management structure up to the level of President and CEO of UGI.

UGI is one of the few companies that continues to maintain an HVAC service business within its utility operations. The formal separation of this business from the gas sales and distribution business is consistent with the policy underlying the restructuring of the natural gas industry pursuant to the Natural Gas Choice and Competition Act and with the realities of the marketplace for HVAC services. It benefits ratepayers by shielding them from the market risks that are inherent in the competitive HVAC industry and by allowing UGI management to focus without distraction on the provision of utility services. It benefits the HVAC business by allowing it to employ lines of credit, customer accounting systems and business development strategies that are

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

AIA UGI HVAC G-00051142 - Affiliate Interest Agreement

Pennsylvania Public Utility Commission

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8/22/2005

appropriate to a competitive business. UGI believes that a separate HVAC services business will be able to grow both within and outside the utility's existing service territory if it is free of regulatory constraints on its ability to share systems, workforces and business opportunities with its other unregulated affiliates.

The transfer will have the beneficial effect of preserving and possibly creating new jobs in a more competitive, non-regulated business. A total of approximately 117 employees will be transferred to NewCo. Some of the employees are members of collective bargaining units and have rights under two union contracts. NewCo will assume all of UGI's obligations under the union contracts and the transfer will have no effect on the collective bargaining rights of any employees.

The transfer of assets from the Gas Division of UGI Utilities to a separate, non-regulated business entity will have a negligible effect on the rate base of the Gas Division. Other than inventory of approximately \$550,000, none of the assets to be transferred would have been included in prior UGI rate proceedings. The value of the inventory represents approximately one-tenth of a percent of the current estimated rate base of more than \$530 million.

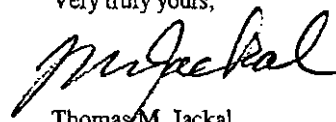
The transfer of the HVAC business will not adversely affect the quality of utility service UGI provides to its customers. As previously noted, the HVAC business operates as a separate business unit within UGI. UGI's gas utility does not rely on HVAC employees to respond to leak emergencies or to perform construction, maintenance or repairs on its pipeline system.

The HVAC business will fully reimburse UGI for administrative services pursuant to an administrative services agreement, approved by the Commission at G-920296. In addition, it will continue to occupy a small amount of space in various UGI facilities and will reimburse UGI for the allocated costs associated with its use of the space.

In accordance with the Commission's Regulations at 52 Pa. Code §1.51, please inform us as to any additional requirements of service and public notice.

Also enclosed is a copy of this cover letter, which should be date-stamped and returned in the enclosed self-addressed, stamped envelope.

Very truly yours,



Thomas M. Jackal  
Vice President - Law

TMJ/mg

Enclosures

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

AIA UGI HVAC G-00051142 - Affiliate Interest Agreement

BEFORE THE  
PENNSYLVANIA PUBLIC UTILITY COMMISSION

APPLICATION OF UGI UTILITIES, INC.	:	
FOR APPROVAL TO ACQUIRE THE VOTING	:	
CAPITAL STOCK OF A NEWLY FORMED	:	
SUBSIDIARY PURSUANT TO 66 PA.C.S. §1102(a)(4),	:	
FOR THE TRANSFER OF CERTAIN ASSETS	:	
PURSUANT TO 66 PA.C.S. §1102(a)(3) AND	:	
FOR APPROVAL OF AN AFFILIATED	:	
INTEREST ARRANGEMENT PURSUANT TO	:	
66 PA.C.S. §2102	:	Docket No. A-

TO THE PENNSYLVANIA PUBLIC UTILITY COMMISSION:

1. The name and address of applicant is:

UGI Utilities, Inc.  
100 Kachel Boulevard  
Suite 400  
Green Hills Corporate Center  
Reading, PA 19607

2. The name and address of applicant's attorney is:

Thomas M. Jackal  
460 North Gulph Road  
King of Prussia, PA 19406  
Tel.: (610) 337-1000 Ext. 3387  
Fax: (610) 992-3258  
e-mail: jackalt@ugicorp.com

3. (a) Corporate History. UGI Utilities, Inc. ("UGI" or "Applicant") is a public utility corporation duly organized and existing under the laws of the Commonwealth of Pennsylvania. On December 11, 1967, UGI filed with the Department of State of the Commonwealth of Pennsylvania a Certificate of Acceptance of the Business Corporation Law accepting the provisions thereof.
- (b) Corporate Purpose. Applicant's corporate charter provides that it is incorporated for all lawful purposes.

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

AIA UGI HVAC G-00051142 - Affiliate Interest Agreement

(c) Territory and Public Service. As is pertinent to this application, UGI (which prior to corporate name changes in 1968 and 1992 was respectively known as The United Gas Improvement Company and UGI Corporation) is the successor by merger to the property, rights, powers, franchises and privileges of several corporations. UGI currently provides natural gas distribution services to approximately 306,000 customers in eastern and central Pennsylvania through approximately 4,500 miles of gas mains, and electric distribution service to approximately 62,000 customers in northeastern Pennsylvania.

4. Applicant proposes to acquire the voting capital stock of a new subsidiary (for purposes of this application, "Newco") that will be incorporated upon the Commission's approval of this application; to transfer the assets of its unregulated HVAC business to Newco; and to allow Newco to continue to occupy small amounts of space in several of Applicant's facilities.
5. Newco will not be a Pennsylvania public utility, and will not operate any assets transferred from UGI as utility facilities.
6. Attached as Exhibit A hereto is UGI's Balance Sheet as of June 30, 2005. There is no balance sheet for Newco and it is not pertinent to this application.
7. Attached as Exhibit B hereto is the Income Statement of UGI for the twelve months ending June 30, 2005. There is no Income Statement of Newco and it is not pertinent to this application.
8. The assets to be transferred (the Assets") consist primarily of accounts receivable, inventory, fixed assets (primarily tools whose capital value exceeds \$500) and the assets and off-setting liabilities associated with service contracts as more fully described in Exhibit C, List of Contributed Assets.

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

AIA UGI HVAC G-00051142 - Affiliate Interest Agreement

The assets to be transferred are not used or useful in the provision of UGI's regulated distribution services.

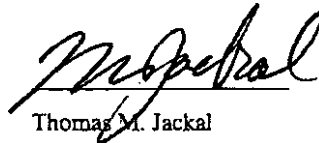
9. The FERC accounts holding the Assets, and their original cost, book reserve and net book value as of June 30, 2005, are shown in Exhibit C hereto.
10. Following the issuance of the Certificate of Public Convenience requested herein, and the formation of Newco, UGI will make a capital contribution of the Assets to Newco.
11. No investment securities will be transferred as a result of this transaction.
12. No stockholder approval of the proposed asset transfer is required.
13. Secretary certificates showing approval of the proposed asset transfer by the Board of Directors is attached as Exhibit D hereto.
14. No gas or electric distribution service customers will be transferred as a result of the transfer of the Assets.
15. The proposed asset transfer will have no effect upon the quality of distribution service rendered to UGI's customers or on the rates paid by customers.
16. UGI also requests approval of an affiliated interest arrangement whereby Newco's employees and business will continue to occupy small amounts of space spread throughout several utilities facilities and will reimburse UGI for the allocated costs associated with its use of the space. UGI understands that such approval shall not preclude the Commission, in any future proceeding, from investigating the reasonableness of any charges made pursuant to this affiliated interest arrangement.

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

AIA UGI HVAC G-00051142 - Affiliate Interest Agreement

WHEREFORE, UGI Utilities, Inc. requests respectfully that the Commission (a) issue a Certificate of Public Convenience authorizing the acquisition by UGI Utilities, Inc. of all of the voting capital stock of a newly formed subsidiary, and the transfer of the assets and associated inventory described in the above application from UGI Utilities, Inc. to the newly formed subsidiary, and (b) authorize the affiliated interest arrangement described in the above application..

Respectfully submitted,



Thomas M. Jackal

Counsel for UGI Utilities, Inc.

Dated: August 22, 2005

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

AIA UGI HVAC G-00051142 - Affiliate Interest Agreement

Exhibit A  
Page 1 of 2

UGI UTILITIES, INC.  
BALANCE SHEET - JUNE 30, 2005

ASSETS AND OTHER DEBITS

	<u>UTILITY PLANT</u>	
101	Utility Plant In Service	\$ 958,936,856
105	Utility Plant Held for Future Use	-
107	Construction Work in Progress	13,279,443
108	Accum. Prov. for Depr. of Utility Plant in Service	(321,796,687)
111.3	Accum. Prov. for Amort. of Other Utility Plant in Service	(5,769,346)
114	Utility Plant Acquisition Adj. - Electric	390,002
115	Accum. Prov. for Amort. of Utility Plant Acq. Adj. - Electric	(390,002)
	Total Utility Plant	<u>644,650,266</u>
	<u>OTHER PROPERTY AND INVESTMENTS</u>	
121	Non-Utility Property	236,930
122	Accum. Prov. for Depr. and Amort. of Non-Utility Prop.	(5,310)
123	Investment in Subsidiary Companies	-
124	Other Investments	-
125	Special Funds	-
128	Other Special Funds	1,000
	Total Other Property and Investments	<u>232,620</u>
	<u>CURRENT AND ACCRUED ASSETS</u>	
131	Cash	(390,573)
134	Other Special Deposits	-
135	Working Funds	20,925
136	Temporary Cash Investments	1,022,808
142	Customer Accounts Receivable	55,690,433
143	Other Accounts Receivable	7,738,512
144	Accum. Prov. for Uncollectible Accounts	(7,222,032)
146	Accounts Receivable from Associated Companies	1,303,542
151	Fuel Stock	-
152	Fuel Stock Undistributed	-
154	Plant Materials and Operating Supplies	1,767,053
155	Merchandise	558,802
158	Allowance Inventory	1,000
163	Stores Expenses Undistributed	130,508
164.1	Gas Stored Underground - Current	36,740,935
164.2	Liquefied Natural Gas Stored	-
165	Prepayments	3,053,657
173	Accrued Utility Revenue	8,502,623
174	Miscellaneous Current & Accrued Assets	679,047
175	Derivative Instrument Assets	-
176	Derivative Instrument Assets - Hedges	3,946,991
	Total Current & Accrued Assets	<u>113,544,231</u>
	<u>DEFERRED DEBITS</u>	
181	Unamortized Debt Expense	1,586,863
182.3	Other Regulatory Assets	65,927,455
183	Other Preliminary Survey and Investigation Chg.	59,921
184	Clearing Accounts	37,195
185	Temporary Facilities	-
186	Miscellaneous Deferred Debits	23,393,028
187	Misc. Deferred Debits - Retirement Work in Progress	(11,824)
189	Unamortized Loss on Recquired Debt	851,136
190	Accumulated Deferred Income Taxes	8,084,106
191	Unrecovered Purchased Fuel Costs	(19,082,311)
	Total Deferred Debits	<u>80,845,569</u>
	TOTAL ASSETS AND OTHER DEBITS	<u>\$ 839,272,686</u>



UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

AIA UGI HVAC G-00051142 - Affiliate Interest Agreement

UGI UTILITIES, INC.  
BALANCE SHEET - JUNE 30, 2005

Exhibit A  
Page 2 of 2

LIABILITIES AND OTHER CREDITS

	<b>PROPRIETARY CAPITAL</b>	
201	Common Stock Issued	\$ 60,259,016
204	Preferred Stock Issued	-
207	Premium on Capital Stock	79,773,267
208-211	Comprehensive Income	-
216	Unappropriated Retained Earnings	145,789,788
216.1	Unappropriated Undistributed Subsidiary Earnings	-
219	Accumulated Other Comprehensive Income	<u>(2,140,207)</u>
	Total Proprietary Capital	283,681,864
	<b>LONG-TERM DEBT</b>	
224	Other Long-Term Debt	237,000,000
225	Unamortized Premium on Long Term Debt	60,300
226	Unamortized Discount on Long Term Debt	-
	Total Long-Term Debt	<u>237,060,300</u>
	<b>OTHER NON-CURRENT LIABILITIES</b>	
228	Accumulated Miscellaneous Operating Provisions	<u>4,643,935</u>
	Total Non-Current Liabilities	4,643,935
	<b>CURRENT AND ACCRUED LIABILITIES</b>	
230	Asset Retirement Obligation (SFAS 143)	71,844
231	Notes Payable:	
	Bank Notes	49,500,000
232	Accounts Payable	22,796,604
234	Accounts Payable to Associated Companies	15,615,681
235	Customer Deposits	10,944,570
236	Taxes Accrued	13,068,061
237	Interest Accrued	2,243,237
238	Dividends Declared	-
241	Tax Collections Payable	446,643
242	Miscellaneous Current and Accrued Liabilities	19,180,355
244	Derivative Instrument Liabilities	-
245	Derivative Instrument Liabilities - Hedges	<u>4,310,149</u>
	Total Current and Accrued Liabilities	138,177,144
	<b>DEFERRED CREDITS &amp; OTHER LIABILITIES</b>	
252	Customer Advances for Construction	555,255
253	Other Deferred Credits	10,707,757
254	Other Regulatory Liabilities	-
255	Accumulated Deferred Investment Tax Credits	<u>7,290,444</u>
	Total Deferred Credits	18,553,456
	<b>ACCUMULATED DEFERRED INCOME TAXES</b>	
282	Liberalized Depreciation:	
	Gas	149,216,570
	Electric	12,067,652
283	Fuel Costs - Gas	<u>(4,128,235)</u>
	Total Accumulated Deferred Income Taxes	157,155,987
	<b>TOTAL LIABILITIES AND OTHER CREDITS</b>	<u>\$ 839,272,686</u>

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

AIA UGI HVAC G-00051142 - Affiliate Interest Agreement

UGI UTILITIES, INC.  
STATEMENT OF INCOME  
12 MONTHS ENDED JUNE 30, 2005

Exhibit B  
Page 1 of 2

	GAS	ELECTRIC	TOTAL
<b>UTILITY OPERATING INCOME</b>			
<b>Operating Revenues:</b>			
Revenue - Sale of Gas	\$ 466,933,663	\$ -	\$ 466,933,663
Revenue - Sale of Electricity	-	88,364,602	88,364,602
All Other Operating Revenues	64,254,921	4,107,046	68,361,967
Total Operating Revenues	531,188,584	92,471,648	623,660,232
<b>Operating Expenses:</b>			
Operation	417,341,385	58,928,060	476,269,445
Maintenance	10,648,568	3,420,160	14,068,728
Total Operation & Maintenance	427,989,953	62,348,220	490,338,173
Depreciation	19,697,877	2,957,273	22,655,150
Amortization	659,416	87,400	746,816
<b>Taxes Other Than Income:</b>			
Penna. Gross Receipts	-	5,039,917	5,039,917
Penna. Capital Stock	1,826,117	189,046	2,015,163
Penna. Public Utility Realty	327,359	168,084	495,443
Other	4,595,881	670,368	5,266,249
Total Taxes Other Than Income	6,749,357	6,067,415	12,816,772
<b>Income Taxes:</b>			
Federal	14,996,291	5,220,122	20,216,413
State	5,091,545	1,859,068	6,950,613
Investment Tax Credit	(318,420)	(79,411)	(397,831)
<b>Deferred Income Taxes:</b>			
Federal	4,215,231	918,487	5,133,718
State	(294,941)	43,465	(251,476)
Total Income Taxes	23,689,706	7,961,731	31,651,437
Total Operating Expenses	478,786,309	79,422,039	558,208,348
Net Operating Income	\$ 52,402,275	\$ 13,049,609	\$ 65,451,884
<b>OTHER INCOME AND DEDUCTIONS</b>			
Other Income and Deductions (Net)			5,623,778
<b>Taxes Applicable to Other Income and Deductions:</b>			
Federal Income			2,152,334
State Income			627,813
Other			-
Total Taxes Applicable to Other Income and Deductions			2,780,147
<b>INTEREST CHARGES</b>			
Interest on Long-Term Debt			15,899,808
Amort. Debt Discount-Premium			321,746
Less Amort. Of Premium on Debt-Credit			(120,600)
Interest on Short-Term Debt			1,288,003
Other Interest Expenses			637,224
Allowance for Borrowed Funds Used			-
During Construction			(12,198)
Total Interest Charges			18,013,983
NET INCOME			\$ 50,281,532

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

AIA UGI HVAC G-00051142 - Affiliate Interest Agreement

UGI UTILITIES, INC.  
STATEMENT OF UNAPPROPRIATED RETAINED EARNINGS  
FOR TWELVE MONTHS ENDED JUNE 30, 2005

Exhibit B  
Page 2 of 2

Balance June 30, 2004	\$	133,419,256
Net Income		50,281,532
Additions:		-
Deductions:		-
Cash Dividends:		-
Series Preferred Stock		-
Common Stock		(37,911,000)
		-
Balance June 30, 2005	\$	145,789,788

UNAPPROPRIATED UNDISTRIBUTED SUBSIDIARY EARNINGS  
(ACCOUNT 216.1)  
FOR TWELVE MONTHS ENDED JUNE 30, 2005

Balance June 30, 2004	\$	-
Net Income		-
Add:		-
Deductions:		-
		-
Balance June 30, 2005	\$	-

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

AIA UGI HVAC G-00051142 - Affiliate Interest Agreement

**Exhibit C**

**UGI HVAC Assets and Liabilities as of June 30, 2005**

<u>Assets</u>	6/30/2005 Act GL Bal	FERC Acct.
Cash	\$750,000	131
Accounts Receivable-Merchandise	\$1,021,245	142
Accounts Receivable-Service Agreements	\$827,556	142
Accounts Receivable-AFC First	\$46,558	143
Accounts Receivable-Citi Financial	\$76,257	143
Allowance for Doubtful Accounts	(\$17,925)	144
Appliances Returned to Vendor	\$10,270	143
Misc. Accounts Receivable-Volume Rebates	(\$43,468)	143
Misc. Accounts Receivable-Large Projects	\$175,400	143
Misc. Accounts Receivable-Obsolete Inv.	(\$44,216)	143
Prepaid Yellow Pages	\$66,463	165
Inventory-Equipment	\$472,852	155
Inventory-Parts	\$85,950	155
Fixed Assets - PC's, Laptops, MDT's	\$309,000	391
Fixed Assets-Tools & Equipment	\$189,995	394
Accumulated Depreciation-Fixed Assets	(\$137,265)	108
Accum. Def. Inc. Taxes-Bad Debts	\$7,438	190
Accum. Def. Inc. Taxes-Bonus	\$46,391	190
Accum. Def. Inc. Taxes-Vacation Accrual	\$113,776	190
<b>Total Assets</b>	<b>\$3,956,277</b>	
 <u>Liabilities</u>		
Accrued Medical-Utility Plan	\$132,886	242
Accrued Dental-Utility Plan	\$7,321	242
Accrued Medical-Ent Plan	\$33,675	242
Accrued Dental-Ent Plan	\$433	242
Short Term Disability F112	\$95,000	253
Bonus Accrual	\$111,804	242
Accrued Vacation	\$274,201	242
Deferred Revenue	\$1,711,700	253
Accum. Def. Inc. Taxes-Depreciation	\$58,974	282
<b>Total Liabilities</b>	<b>\$2,425,994</b>	
 <u>Net Assets</u>	 <b>\$1,530,283</b>	

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

AIA UGI HVAC G-00051142 - Affiliate Interest Agreement

**UGI UTILITIES, INC.**

**SECRETARY'S CERTIFICATE**

The undersigned hereby certifies that:

1. She is the duly elected and acting Secretary of UGI Utilities, Inc., a Pennsylvania corporation (the "Company"), and as such is authorized to execute and deliver this Certificate on behalf of the Company.

2. Below is a true and correct copy of resolutions duly adopted by the Board of Directors of the Company at a meeting duly called, convened and held on July 26, 2005, at which a quorum was present and acting throughout:

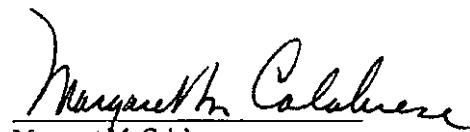
**RESOLVED, the contribution of approximately \$3.4 million of the Company's heating, ventilation and air conditioning business assets, to a new subsidiary corporation that will be formed upon the receipt of approval of the transfer by the Pennsylvania Public Utility Commission, is approved.**

**RESOLVED, any officer of the Company is authorized to sign and deliver such agreements, certificates, consents, corporate papers and other documents, make such payments, and take all other action that such officer and counsel for the Company may deem necessary or desirable to carry out the intent and purposes of the foregoing resolution.**

3. These resolutions have not been amended, modified or rescinded and remain in full force and effect on the date of this certificate.

Dated: August 15, 2005

[Corporate Seal]

  
Margaret M. Calabrese

Sec-cert/Uti:050815-hvac asset contribution

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

AIA UGIU Insurance G-00930344



COMMONWEALTH OF PENNSYLVANIA  
PENNSYLVANIA PUBLIC UTILITY COMMISSION  
P.O. BOX 3265, HARRISBURG, PA 17105-3265

June 10, 1993

IN REPLY PLEASE  
REFER TO OUR FILE

G-00930344

THOMAS M JACKAL ESQUIRE  
UGI UTILITIES INC  
460 NORTH GULPH ROAD  
PO BOX 858  
VALLEY FORGE PA 19483-0858

T.M.J. JUN 14 1993

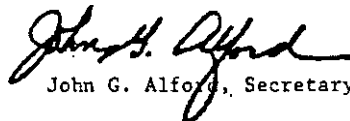
Affiliated Interest Agreement between  
UGI Utilities, Inc. and an as yet unformed  
Affiliated Insurance Company, whose primary  
purpose will be to provide insurance coverage  
to all UGI Utilities

To Whom It May Concern:

This is to advise you that an Opinion and Order has been adopted by the Commission in Public Meeting on June 10, 1993 in the above entitled proceeding.

An Opinion and Order has been enclosed for your records.

Very truly yours,

  
John G. Alford, Secretary

smk  
Encls.  
Cert.Mail

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

AIA UGIU Insurance G-00930344

PENNSYLVANIA  
PUBLIC UTILITY COMMISSION  
Harrisburg, PA. 17105-3265

Public Meeting held June 10, 1993

Commissioners Present:

David W. Rolka, Chairman  
Joseph Rhodes, Jr., Vice Chairman  
John M. Quain  
John Hanger

Affiliated Interest Agreement between UGI  
Utilities, Inc. and an as yet unformed  
Affiliated Insurance Company, whose  
primary purpose will be to provide  
insurance coverage to all UGI Utilities

G-00930344

OPINION AND ORDER

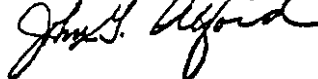
BY THE COMMISSION:

On May 17, 1993, UGI Utilities, Inc. filed a verified summary of an Agreement with an as yet unformed Affiliated Insurance Company, whose primary purpose will be to provide insurance coverage to all UGI Utilities. Upon review of the Agreement, staff found need for further information.

Section 2102 (b) of the Public Utility Code, 66 Pa. C.S. § 2102 (b), provides that the agreement shall be deemed approved if a written order is not entered at the end of thirty days after the filing of the agreement, unless the Commission extends the thirty day period. In order to adequately review the agreement, it is necessary that we extend the consideration period for an additional sixty days, or to August 15, 1993; **THEREFORE,**

**IT IS ORDERED:** That the period for consideration of the Affiliated Interest Agreement filed by UGI Utilities, Inc. on May 17, 1993, to become effective June 16, 1993, is hereby extended for an additional sixty days, or to August 15, 1993.

BY THE COMMISSION,



John G. Alford  
Secretary

(SEAL)

ORDER ADOPTED: June 10, 1993

ORDER ENTERED: June 10, 1993

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

AIA UGIU Insurance G-00930344



UGI Utilities, Inc.  
480 North Euclid Road  
King of Prussia, PA 19406  
  
Post Office Box 256  
Valley Forge, PA 19482-0856  
  
(215) 337-1030 Telephone  
(215) 992-3556 Fax

May 17, 1993

**OVERNIGHT MAIL**

The Honorable John G. Alford, Secretary  
Pennsylvania Public Utility Commission  
North Office Bldg., Room B-18  
Commonwealth and North Streets  
Harrisburg, PA 17105-3265

Re: Insurance Arrangement between UGI Utilities, Inc. and  
an Affiliated Insurer

Dear Secretary Alford:

Pursuant to Section 2102 of the Public Utility Code (the "Code"), 66 Pa. C.S. §2102, I submit for the Commission's approval the original and two (2) copies of this letter as a verified summary of an arrangement between UGI Utilities, Inc. ("UGI Utilities") and an as yet unformed affiliated insurance company. UGI Utilities, a wholly owned subsidiary of UGI Corporation, is a public utility as defined in Section 102 of the Code, 66 Pa. C.S. §102, and as such is subject to the Commission's jurisdiction. UGI Corporation expects to form and own a corporation ("Affiliated Insurer") whose primary purpose will be to provide insurance coverage to UGI Corporation, its affiliates and subsidiaries, including UGI Utilities. As a subsidiary of a common corporate parent, Affiliated Insurer will be an affiliated interest of UGI Utilities as defined in Section 2101(a)(3) of the Code, 66 Pa. C.S. §2101(a)(3). Section 2102 of the Code provides that no contract or arrangement between a public utility and an affiliated interest shall be valid or effective until it receives written approval of the Commission, and that a public utility may seek such approval by filing a verified copy or verified summary of the contract or arrangement. Accordingly, UGI Utilities requests approval of an unwritten arrangement whereby Affiliated Insurer may provide insurance coverage to UGI Utilities.

UGI Utilities currently receives insurance management services from its parent corporation, UGI Corporation, pursuant to the provisions of an administrative services agreement approved by the Commission on May 21, 1992, Docket No. G-00920296. As part of these services the Director of Insurance of UGI Corporation analyzes the insurance needs of UGI Utilities and obtains appropriate insurance coverage through policies negotiated annually with independent insurance companies. Currently UGI Utilities is self-insured for claims up to \$500,000. For automobile, general liability and worker's compensation claims between \$500,000 and \$25,000,000, UGI Utilities has policies of insurance with Associated Electric & Gas Services Limited ("AEGIS"). UGI Utilities also has coverage through independent insurance companies for claims in excess of \$25,000,000. Under the proposed arrangement, UGI Corporation will continue to manage UGI Utilities' insurance program, but insurance coverage may be provided by Affiliated Insurer.



UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

AIA UGIU Insurance G-00930344

The Honorable John G. Alford, Secretary  
May 17, 1993  
Page 2

UGI Corporation intends to incorporate Affiliated Insurer under the laws of the State of Vermont. Although Affiliated Insurer will be incorporated for all lawful purposes, its principal business is intended to be the provision of insurance coverage to UGI Corporation, its affiliates and subsidiaries. In its capacity as an insurance company, Affiliated Insurer will meet all capitalization and security requirements of Vermont law and will be subject to regulation by the Vermont Department of Banking, Insurance and Securities.

Subject to Commission approval, Affiliated Insurer would annually make available to UGI Utilities insurance coverage that may replace or supplement coverage now provided by independent insurance companies. To the extent possible Affiliated Insurer would write coverage on policy forms identical to the ones in effect between UGI Utilities and its independent insurance companies. UGI Utilities would then have the opportunity to choose between coverage offered by independent insurance companies and that offered by Affiliated Insurer. UGI Utilities would not be compelled to place insurance with Affiliated Insurer nor would it be compelled to renew coverage at the end of any policy year.

The following procedure will be used to assure that placing insurance with Affiliated Insurer will be in the best interests of UGI Utilities and its ratepayers. Each year, prior to the insurance renewal date of July 1, the Director of Insurance will define the level and scope of insurance coverage that can be offered by Affiliated Insurer. The Director of Insurance will then obtain quotes from independent insurance companies for this level of coverage. If the coverage can be provided by Affiliated Insurer at rates that are equal to or below the market rates, UGI Utilities would obtain policies of insurance from Affiliated Insurer. If independent insurance companies offer better rates or better coverage, UGI Utilities would choose policies from those companies. UGI Utilities will not be required to place its insurance with Affiliated Insurer but may choose independent insurance companies when costs or coverage are more advantageous.

By way of example, under the proposed arrangement UGI Utilities may choose to continue a \$500,000 self-insured retention level, cover the risk of loss between \$500,000 and \$1,000,000 through Affiliated Insurer and continue excess insurance with AEGIS (or another carrier) for losses in excess of \$1,000,000. In deciding whether to adopt this coverage UGI Utilities would obtain premium quotes from independent insurers both for coverage in excess of \$500,000 (current coverage) and for coverage in excess of \$1,000,000. The difference between these premiums would establish the maximum UGI Utilities would be required to pay Affiliated Insurer for coverage between \$500,000 and \$1,000,000 in claims. Put another way, if the sum of the premium for Affiliated Insurer's coverage plus the premium for coverage in excess of \$1,000,000 is greater than the single premium for independent coverage in excess of \$500,000, UGI Utilities would continue to cover losses in excess of \$500,000 through independent insurers and would not place insurance with Affiliated Insurers.

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

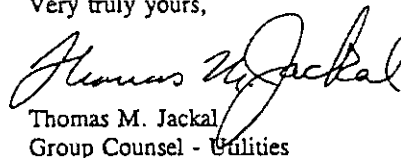
AIA UGIU Insurance G-00930344

The Honorable John G. Alford, Secretary  
May 17, 1993  
Page 3

Placing insurance with an affiliated insurance company presents several advantages to UGI Utilities and its ratepayers. The first is decreased cost by improving UGI Utilities' access to insurance and reinsurance markets. For example, reinsurance (by which one insurance company assumes all or a part of the liability of an insurance company already covering the risk) is less costly than regular insurance and can only be purchased by a bona fide insurance company. This should enable Affiliated Insurer to offer lower than market rates to UGI Utilities. Doing business with an affiliate stabilizes insurance expenses by insulating UGI Utilities from insurance market cycles unrelated to the loss experience of UGI Utilities and its affiliates. Even if Affiliated Insurer's premiums rise on the basis of this loss experience, UGI Utilities' ratepayers will not be harmed because UGI Utilities retains the option of choosing market rates if they are lower. An affiliated insurance company may also provide potentially broader coverage, as the policies may be tailor-made to fit the particular needs of UGI Utilities. Coverage that may otherwise be unavailable or prohibitively expensive in the marketplace may be provided in a cost-effective way by an affiliate. Thus, placing insurance with an affiliate will reduce UGI Utilities' overall cost of insurance and may enable UGI Utilities to protect against losses that would otherwise be uninsurable.

I have enclosed an extra copy of this letter and ask that it be stamped as received by your office and returned to me in the enclosed self-addressed stamped envelope. If any additional information is required, please call.

Very truly yours,



Thomas M. Jackal  
Group Counsel - Utilities

TMJ/klb

Enclosures

cc: Robert Bennett (w/encl.)  
Office of Special Assistants

TMJL-ALFORD.06

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

AIA UGIU Insurance G-00930344

The Honorable John G. Alford, Secretary  
May 17, 1993  
Page 4

bcc: (w/encl.)  
J. C. Barney  
T. J. Bonner  
R. L. Bunn  
M. M. Calabrese  
M. J. Cuzzolina  
J. A. Doan  
W. M. Graff  
L. R. Greenberg  
S. R. Mauriello  
G. W. Westerman

UGI Utilities, Inc. - Gas Division  
Charges Imposed by Parent, Affiliate and Subsidiary Companies

AIA UGIU Insurance G-00930344

COMMONWEALTH OF PENNSYLVANIA :  
: SS  
COUNTY OF ~~BERKS~~ *Montgomery* :

**AFFIDAVIT**

JOHN C. BARNEY, being duly sworn according to law deposes and says that he is Vice President - Finance and Accounting of UGI Utilities, Inc., a Pennsylvania corporation, that he is authorized to and does make this affidavit for it; that the arrangement summarized in the foregoing letter dated May 17, 1993, accurately reflects the proposed arrangement between UGI Utilities, Inc. and an affiliated insurance company for the purpose of providing insurance coverage to UGI Utilities, Inc.

*John C. Barney*  
\_\_\_\_\_  
John C. Barney

Sworn to and subscribed  
before me this 17<sup>th</sup> day  
of May, 1993.

*Rachel M. Reck*  
\_\_\_\_\_  
Notary Public

Notarial Seal  
Rachel M. Reck, Notary Public  
Upper Merion Twp., Montgomery County  
My Commission Expires Nov. 18, 1996  
Member, Pennsylvania Association of Notaries

AQUA PENNSYLVANIA, INC.  
RATES AND RULES  
GOVERNING THE DISTRIBUTION  
OF  
WATER  
IN PORTIONS OF  
ADAMS, BERKS, BRADFORD, BUCKS, CARBON, CHESTER, CLARION, CLEARFIELD, COLUMBIA,  
CRAWFORD, CUMBERLAND, DELAWARE, FOREST, JUNIATA, LACKAWANNA, LAWRENCE,  
LEHIGH, LUZERNE, MERCER, McKEAN, MONTGOMERY, MONROE, NORTHHAMPTON,  
NORTHUMBERLAND, PIKE, SCHUYLKILL, SUSQUEHANNA, SNYDER, VENANGO, WARREN  
WAYNE AND WYOMING COUNTIES

ISSUED: June 29, 2018  
by  
Mr. Marc Lucca  
President, Aqua Pennsylvania, Inc.  
762 Lancaster Avenue  
Bryn Mawr, Pennsylvania

Effective: July 1, 2018

**NOTICE**

**IN ACCORDANCE WITH COMMISSION ORDER AT DOCKET NO. M-2018-2641242  
ADOPTED AND ENTERED ON MARCH 15, 2018, THE CURRENT RATES AND  
RIDERS ARE DECLARED TO BE TEMPORARY RATES PURSUANT TO SECTION  
1310(D) OF THE PUBLIC UTILITY CODE, 66 PA. C.S. § 1310(D) FOR A TRIAL  
PERIOD ENDING SEPTEMBER 15, 2018.**

**THIS TARIFF UPDATES THE CONSUMPTION CHARGES FOR THE MASURY BILL**

(C) Indicates Change

Aqua Pennsylvania, Inc.

Supplement No. 146  
To  
Water-PA. P.U.C. No. 1  
One Hundred Thirty-Sixth Revised Page No. 1A  
Canceling One Hundred Thirty-Fifth Revised Page 1A

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LIST OF CHANGES MADE BY THIS TARIFF

Increase:

This tariff proposes to increase consumption charges Masury pays to Aqua PA – Shenango Valley division for finished water.

Supplement No. 146  
To  
Water-PA. P.U.C. No. 1  
One Hundred Thirty-Sixth Revised Page No. 2  
Canceling One Hundred Thirty-Fifth Revised Page No. 2

Aqua Pennsylvania, Inc.

Index	Page	
Rates and Rules	1	Supplement Number 146 (C)
List of Changes Made by this Tariff	1A	One Hundred Thirty-Sixth Revised (C)
Index	2	One Hundred Thirty-Sixth Revised (C)
Index	2A	One Hundred Fourteenth Revised
Index	2B	Original
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Description of Territory Served	3B	Twenty-Sixth Revised
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Rates for Water Consumed-Main Division	4	Tenth Revised
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Rates for Water Consumed- Eagle Rock, Fawn Lake, Tanglewood, Thornhurst, Woodledge Village, Western & Pinecrest Divisions	6A	Seventh Revised
Fire Service- Eagle Rock, Fawn Lake, Tanglewood, Thornhurst, Woodledge Village, Western & Pinecrest Divisions	6B	First Revised
Metered Service-Bensalem Division	7	Tenth Revised
Rates for Water Consumed-Bensalem Division	7	Tenth Revised
Fire Service-Bensalem Division	7A	Eleventh Revised
Metered Service – Chalfont Division	8	First Revised
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This Page is Being Held for Future Use	9	First Revised
This Page is Being Held for Future Use	10	First Revised
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This Page is Being Held for Future Use	11A	Tenth Revised
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Metered Service – Oakland Beach/Lakeside Acres	13	Seventh Revised
Rates for Water Consumed - Oakland Beach/Lakeside Acres	13	Seventh Revised
Fire Service - Oakland Beach/Lakeside Acres	13	Seventh Revised
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Rates for Water Consumed – CS Water	14	Ninth Revised
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Rates for Water Consumed - Kratzerville	17A	First Revised
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This Page is Being Held for Future Use	17G	Eleventh Revised
This Page is Being Held for Future Use	17H	First Revised

**(C) Indicates Change**

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Rates for Water Consumed – Robin Hood Lakes	17S	Original
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Rider OPI – Off Peak/Interruptible Service	19D	Second Revised
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(C) Indicates Change



Aqua Pennsylvania, Inc.

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(C) Indicates Change

**TERRITORY SERVED**  
**MAIN DIVISION TOWNSHIPS**

<u>TOWNSHIP</u>	<u>COUNTY</u>	<u>TOWNSHIP</u>	<u>COUNTY</u>	<u>TOWNSHIP</u>	<u>COUNTY</u>
Abington	Montgomery	Kingston	Luzerne	West Brunswick	Schuylkill
Aston	Delaware	Lackawanna	Mercer	West Goshen	Chester
Athens	Bradford	Lackawaxen	Pike	West Pikeland	Chester
Barret	Monroe	Lake	Luzerne	South Abington	Lackawanna
Barry	Schuylkill	Lake Township	(C) Wayne	South Middleton	Cumberland
Bensalem	Bucks	Lehigh	Lackawanna	S Whitehall	(C) Lehigh
Bear Creek	Luzerne	Lehman	Luzerne	Springfield	Montgomery
Bern	Berks	Madison	Lackawanna	Springfield	Delaware
Blooming Grove	Pike	Lehigh	Wayne	Texas	Wayne
Birmingham	Chester	Lower Macungie	(C) Lehigh	Thornbury	Chester
Brooklyn	Susquehanna	Lower Merion	Montgomery	Tinicum	Delaware
Butler	Luzerne	Lower Moreland	Montgomery	Tredyffrin	Chester
Butler	Schuylkill	L. Southampton	Bucks	Tunkhannock	Wyoming
Caln	Chester	Madison	Lackawanna	(C) Upper Darby	Delaware
Centre	Berks	Mahoning	Lawrence	Upper Dublin	Montgomery
Charlestown	Chester	Marion	Berks	Upper Merion	Montgomery
Cheltenham	Montgomery	Marple	Delaware	Upper Moreland	Montgomery
Coal	Northumberland	Middletown	Chester	U Providence	Montgomery
Conyngham	Schuylkill	Monroe	Cumberland	U Southampton	Bucks
Conyngham (Portion)	Luzerne	Monroe	Snyder	Upper Uwchlan	Chester
Coolspring	Mercer	Mt. Carmel	Schuylkill	Union	Berks
Covington	Lackawanna	Mt. Carmel	Northumberland	Union	Luzerne
Cumberland	Adams	Nether Providence	Delaware	U. Providence	Delaware
Cumru (portion)	Berks	Newlin	Chester	Westtown	Chester
Darby	Delaware	Newtown	Delaware	West Vincent	Chester
Delaware	Juniata	North Abington	Lackawanna	W. Whiteland	Chester
Dallas	(C) Luzerne	North Union	Schuylkill	Whitemarsh	Montgomery
Dennison	(C) Luzerne	Palmyra	Pike	Willistown	Chester
Easttown	Chester	Palmyra	Wayne	Wilmington	Mercer
East Brandywine	Chester	Paupack	Wayne	Wilmington	Lawrence
East Bradford	Chester	Penn	Snyder	Moore	Northhampton
East Caln	Chester	Pennsbury	Chester	Mount Joy	Adams
East Goshen	Chester	Perkiomen	Montgomery	Zerbe	Northumberland
East Fallowfield	Chester	Plymouth	Montgomery		
East Lackawannok	Mercer	Pocopson	Chester		
East Marlborough	Chester	Pulaski	Lawrence		
East Nantmeal	Chester	Radnor	Delaware		
East Union	Schuylkill	Ralpho	Northumberland		
East Whiteland	Chester	Rice	Luzerne		
Edgemont	Delaware	Richland	(C) Venango		
Embleton Borough	(C) Venango	Richland	(C) Clarion		
Exeter	Luzerne	Ridley	Delaware		
Findley	Mercer	Robeson	Berks		
Franklin	Chester	Roaring Brook	Lackawanna		
Glenburn	Lackawanna	Salisbury	(C) Lehigh		
Hamilton	Monroe	Shenango	Mercer		
Haverford	Delaware	Schuylkill	Chester		
Horsham	Montgomery	Shamokin	Northumberland		
Honey Brook	Chester	Solebury	Bucks		
Jackson	Luzerne	Uwchlan	Chester		
Jefferson	Mercer	Wallace	Chester		
Jefferson	Lackawanna	Washington	Wyoming		
Jenks	Forest	West Bradford	Chester		
Kidder	(C) Carbon	West Brandywine	Chester		

(C) Indicates Change

**MAIN DIVISION BOROUGHES**

<b><u>BOROUGH</u></b>	<b><u>COUNTY</u></b>	<b><u>BOROUGH</u></b>	<b><u>COUNTY</u></b>
Alden	Delaware	Media	Delaware
Ashland	Schuylkill	Millbourne	Delaware
Athens	Bradford	Malvern	Chester
Bryn Athyn	Montgomery	Mercer	Mercer
Centralla	Columbia	Morton	Delaware
Chester Heights	Delaware	Moscow	Lackawanna
Clifton Heights	Delaware	Mount Carmel	Northumberland
Coshohocken	Montgomery	Narberth	Montgomery
Colwyn	Delaware	Norwood	Delaware
Collingdale	Delaware	Prospect Park	Delaware
Darby	Delaware	Ridley Park	Delaware
Deer Lake	Schuylkill	Rockledge	Montgomery
East Lansdowne	Delaware	Rose Valley	Delaware
Eddystone	Delaware	Rutledge	Delaware
Factoryville	Wyoming	Sayre	Bradford
Folcroft	Delaware	Sharon Hill	Delaware
Glendville	Schuylkill	South Waverly	Bradford
Glenolden	Delaware	Swarthmore	Delaware
Gordon	Schuylkill	West Chester	Chester
Harborc	Montgomery	West Coshohocken	Montgomery
Hawley	Wayne	West Middlesex	Mercer
Honesdale	Wayne	Wheatland	Mercer
Hop Bottom	Susquehanna	White Haven (C)	Luzerne
Jenkintown	Montgomery	Yeadon	Delaware
Kulpscott	Northumberland		
Lansdowne	Delaware		
Marion Heights	Northumberland		

**BRISTOL DIVISION BOROUGHES**

<b><u>BOROUGH</u></b>	<b><u>COUNTY</u></b>
Bristol	Bucks

**CHALFONT BOROUGHES**

<b><u>BOROUGH</u></b>	<b><u>COUNTY</u></b>
Chalfont	Bucks
New Britain	Bucks

Aqua Pennsylvania, Inc.

~~Canceling Twenty-Fifth Revised Page No. 3B~~MAIN DIVISION CITIES

<u>CITY</u>	<u>COUNTY</u>
Sharon	Mercer
Farrell	Mercer
Hermitage	Mercer
Shamokin	Northumberland

BRISTOL DIVISION TOWNSHIPS

<u>TOWNSHIP</u>	<u>COUNTY</u>
Bristol	Bucks
Bensalem	Bucks

CHALFONT DIVISION TOWNSHIPS

<u>TOWNSHIP</u>	<u>COUNTY</u>
New Britain	Bucks

OAKLAND BEACH & LAKESIDE TOWNSHIPS

<u>TOWNSHIP</u>	<u>COUNTY</u>
Sadsbury	Crawford
Summit	Crawford

C S WATER TOWNSHIPS

<u>TOWNSHIP</u>	<u>COUNTY</u>
Lackawaxen	Pike

CLARENDON DIVISION TOWNSHIPS

<u>TOWNSHIP/BORO</u>	<u>COUNTY</u>
Borough of Clarendon	Warren
Mead	Warren

SAND SPRINGS DIVISION

<u>TOWNSHIP</u>	<u>COUNTY</u>
Luzerne	Butler

KRATZERVILLE

<u>TOWNSHIPS</u>	<u>COUNTY</u>
Jackson	Snyder
Penn	Snyder

MIFFLIN TOWNSHIP DIVISION

<u>TOWNSHIP</u>	<u>COUNTY</u>
Mifflin	Columbia

EAGLE ROCK TOWNSHIPS

<u>TOWNSHIP</u>	<u>COUNTY</u>
East Union	Schuylkill
North Union	Schuylkill
Black Creek	Luzerne
Hazle	Luzerne

PINECREST DIVISION TOWNSHIPS

<u>TOWNSHIP</u>	<u>COUNTY</u>
Tobyhanna	Monroe

STANTON TOWNSHIPS

<u>TOWNSHIP</u>	<u>COUNTY</u>
South Abington	Lackawanna

BEECH MOUNTAIN LAKE

<u>TOWNSHIP</u>	<u>COUNTY</u>
Butler	Luzerne
Dennison	Luzerne

TREASURE LAKE

<u>TOWNSHIP</u>	<u>COUNTY</u>
Sandy	Clearfield

CONCORD PARK

<u>TOWNSHIP</u>	<u>COUNTY</u>
Bensalem	Bucks

BUNKER HILL SUBDIVISION

<u>TOWNSHIP</u>	<u>COUNTY</u>
Clinton	Wyoming

ROBIN HOOD LAKES

<u>TOWNSHIP</u>	<u>COUNTY</u>
Polk	Monroe

EAST CAMERON

<u>TOWNSHIP</u>	<u>COUNTY</u>
East Cameron	Northumberland

SUN VALLEY DIVISION (C)

<u>TOWNSHIP</u>	<u>COUNTY</u>
Chestnuthill	Monroe

(C) Indicates Change

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Aqua Pennsylvania, Inc.

Supplement No. 119  
To  
Water-PAP.U.C. No. 1  
Twenty Ninth Revised Page No. 3C  
~~Canceling Twenty Eighth Revised Page No. 3C~~

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Aqua Pennsylvania, Inc.  
Main Division

Supplement No. 121  
To  
Water-P.A.P.U.C. No. 1  
Tenth Revised Page No. 4  
Canceling Ninth Revised Page No. 4

**SCHEDULE OF RATES**

**Meter Service**

<b>Customer Charge (I)</b>	
<b>Size of Meter</b>	<b>Monthly (\$)</b>
5/8 inch	16.00
¾ inch	27.50
1 inch	46.70
1-1/2 inch	89.90
2 inch	127.90
3 inch	257.00
4 inch	418.00
6 inch	862.00
8 inch	1,508.00
10 inch	2,229.00

<b>Consumption Charges – Residential</b> Water consumed will be charged for at the following rates: For water consumed up to 2,000 gallons per month	\$9.071	(I) per thousand gallons
For water consumed in excess of 2,000 gallons per month	\$10.352	per thousand gallons (I)
<b>Consumption Charges – Commercial &amp; Public</b> Water consumed will be charged for at the following rates: For water consumed up to 10,000 gallons per month	\$10.000	(I) per thousand gallons
For water consumed in excess of 10,000 gallons per month, up to 33,300 gallons per month	\$8.785	per thousand gallons (I)
For water consumed in excess of 33,300 gallons per month, up to 333,300 gallons per month	\$7.288	per thousand gallons (I)
For water consumed in excess of 333,300 gallons per month	\$6.668	per thousand gallons
(I) Indicates Increase (C) Indicates Change		
<b>Flat Rate Service - Unmetered</b>	\$54.85 (C)	per month

SCHEDULE OF METER RATES

<u>Consumption Charges – Industrial</u> Water consumed will be charged for at the following rates: For water consumed up to 10,000 gallons per month	\$10.000	per thousand gallons
For water consumed in excess of 10,000 gallons per month, up to 33,300 gallons per month	\$8.785	per thousand gallons
For water consumed in excess of 33,300 gallons per month, up to 333,300 gallons per month	\$7.288	per thousand gallons
For water consumed in excess of 333,300 gallons per month, up to 3,333,300 gallons per month	\$6.668	per thousand gallons
For water consumed in excess of 3,333,300 gallons per month, up to 10,000,000 gallons per month	\$6.052	per thousand gallons
For water used in excess of 10,000,000 gallons per month	\$4.842	per thousand gallons
<u>Consumption Charges – Other Water Utilities</u> Water consumed will be charged for at the following rates: For all water consumed	\$8.833	per thousand gallons
<u>Consumption Charges – Other Water Utilities (Shenango)</u> Water consumed will be charged at the following rates: For all water consumed	\$5.642	per thousand gallons
<u>Consumption Charges – Tank Sales</u> All water shall be billed at the following rate	\$10.000	per thousand gallons
<u>Consumption Charges – Masury</u> For all water consumed Note: There will be an escalation factor equivalent to CPI-Urban Philadelphia on the Masury rate beginning July 1, 2007 and every year thereafter. In addition, there is a \$862.00 6” monthly customer charge to be added to the Masury bill.	\$1.84276	per thousand gallons (I)
<u>SCI Forest County Prison</u> Per Month: Commercial/Public rates, based on the take-or-pay condition of: 1) metered consumption; or 2) 300,000 gallons per day, whichever is greater.		
<u>Consumption Charges – Other Utilities (Bristol)</u> Water consumed will be charged for at the following rates: For water consumed in excess of the minimum allowance	\$6.890	per thousand gallons
<b>(I) Indicates Increase</b>		

Aqua Pennsylvania, Inc.  
Main Division

<b>SCHEDULE OF RATES</b>		
<b>Fire Service</b>		
	Rate Per Month (\$)	
<b>Fire Hydrants</b>		
For each public fire hydrant (Grandstaff Service Area)	22.00	(I)
For each public fire hydrant (Malvern Service Area)	22.00	
For each public fire hydrant (Schuylkill Service Area)	22.50	
For each public fire hydrant (LaReserve Service Area)	22.00	(I)
For each public fire hydrant (Hatboro & Tafton Service Area)	22.00	(I)
For each public fire hydrant (Susquehanna Service Area)	22.00	(I)
For each public fire hydrant (Flying Hills Service Area)	22.00	(I)
For each public fire hydrant (B&E, Locust Knoll, Bradford Glen, Little Washington Service Areas)	29.06	
For each public fire hydrant (Uwchlan, W. Whiteland Service Area)	22.00	(I)
For each public fire hydrant (Outside West Chester Borough-Existing Hydrant)	22.92	
For each public fire hydrant (Outside West Chester Borough-New or Replacement)	25.25	
For each public fire hydrant (Media Service Area => 6" connection)	42.25	
For each public fire hydrant (Media Service Area < 6" connection, or any new or replacement hydrants => 6" connection)	25.25	
For each public fire hydrant (Shenango Service Area => 6")	22.00	(I)
For each public fire hydrant (Shenango Service Area < 6")	22.00	(I)
For each public fire hydrant (Hawley, Monroe Manor, Rolling Green, Waymart Service Area)	22.00	(I)
For each public fire hydrant (Ariana, Shickshinny Lake & White Rock)	22.00	(I)
For each public fire hydrant (Outside Bristol Township)	19.00	(I)
For each public fire hydrant (Inside Bristol Township)	25.25	
For each public fire hydrant (Roaring Creek)	22.00	(I)
For each public fire hydrant (Midway Manor Service Area)	22.00	(I)
For each public fire hydrant (White Haven Service Area)	22.00	(I)
For each public fire hydrant	25.25	
For each public fire hydrant at the Cost of Service of 25%	22.00	(I)
For each private fire hydrant	54.60	
For each private fire hydrant (Hawley Service Area)	54.60	
For each private fire hydrant (Waymart Service Area)	46.20	
For each qualified private fire hydrant	25.25	
For each private fire hydrant (Ariana, Shickshinny Lake, White Rock & Woodloch Pines Service Area)	26.40	
For each private fire hydrant (Links at Gettysburg)	54.60	

Note: All new public fire hydrants from the date of this tariff onward will be billed at the monthly rate of \$22.00, which represents approximately 25% of the cost of providing service to the Township or Municipality, except those whose rates are currently lower than \$22.00 per month. (I)

(I) Indicates Increase



Main Divisions

Metered Fire Service			Monthly (\$)		
For 1" connection			5.60		
For 1-1/2" connection			12.80		
For 2" connection			31.70		
For 3" connection			51.50		
For 4" connection			87.20		
For 6" connection			192.00		
For 8" connection			335.00		
For 10" connection			510.00		
For 10" connection (Hatboro Area Only)			510.00		
For 12" connection			1,413.00		
Water Allowance			0		
Rate per thousand gallons			\$10.000	(I)	
<b>Residential Multiple Meter Service</b>					
				(I)	
Domestic Meter	Fire Meter		Minimum Charge Monthly (\$)	Allowance Monthly	
5/8"	3/4"		18.21	0	(I)
5/8"	1"		18.56	0	(I)
5/8"	1-1/2"		21.89	0	(I)
5/8"	2"		24.00	0	(I)
3/4"	1"		30.06	0	(I)
3/4"	1-1/2"		33.39	0	(I)
3/4"	2"		35.50	0	(I)
1"	1"		49.26	0	(I)
1"	1-1/2"		52.59	0	(I)
1"	2"		54.70	0	(I)
1 1/2"	1"		91.96	0	(I)
1 1/2"	1 1/2"		95.29	0	(I)
1 1/2"	2"		97.40	0	(I)
2"	1-1/2"		130.79	0	(I)
2"	2"		132.90	0	(I)

Water usage will be the consumption registered on both meters and will be billed at the residential metered water rates

(I) Indicates Increase

Aqua Pennsylvania, Inc.

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to  
Water-PA. P.U.C. No. 1  
Tenth Revised Page No. 5A  
Canceling Ninth Revised Page No. 5A

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SCHEDULE OF RATES

Meter Service

Customer Charge <span style="float: right;">(I)</span>	
Size of Meter	Monthly (\$)
5/8 inch	26.00
¾ Inch	26.00
1 Inch	46.70
1-1/2 Inch	89.90
2 Inch	127.90
3 Inch	257.00
4 Inch	418.00
6 Inch	862.00
8 Inch	1,508.00
10 Inch	2,229.00

<u>Consumption Charges – Residential</u>		(I)
Water consumed will be charged for at the following rates:		
For water consumed up to 4,000 gallons per month	\$7.212	per thousand gallons
For water consumed in excess of 4,000 gallons per month	\$10.352	(I) per thousand gallons
<u>Consumption Charges – Commercial &amp; Public</u>		(I)
Water consumed will be charged for at the following rates:		
For water consumed up to 10,000 gallons per month	\$10.000	per thousand gallons
For water consumed in excess of 10,000 gallons per month, up to 33,300 gallons per month	\$8.785	per thousand gallons (I)
For water consumed in excess of 33,300 gallons per month, up to 333,300 gallons per month	\$7.288	per thousand gallons (I)
For water consumed in excess of 333,300 gallons per month	\$6.668	per thousand gallons (I)

(I) Indicates Increase

**SCHEDULE OF RATES**

**Meter Service**

<u>Consumption Charges – Industrial</u>		(I)
Water consumed will be charged for at the following rates: For water consumed up to 10,000 gallons per month	\$10.000	per thousand gallons
For water consumed in excess of 10,000 gallons per month, up to 33,300 gallons per month	\$8.785	per thousand gallons (I)
For water consumed in excess of 33,300 gallons per month, up to 333,300 gallons per month	\$7.288	per thousand gallons (I)
For water consumed in excess of 333,300 gallons per month, up to 3,333,300 gallons per month	\$6.668	per thousand gallons (I)
For water consumed in excess of 3,333,300 gallons per month, up to 10,000,000 gallons per month	\$6.052	per thousand gallons (I)
For water used in excess of 10,000,000 gallons per month	\$4.842	per thousand gallons (I)
<u>Consumption Charges – Other Water Utilities</u>		(I)
Water consumed will be charged for at the following rates: For all water consumed	\$8.833	per thousand gallons
<u>Woodloch Pines, Inc. Rates</u>		
In accordance with the terms of a contract between Fawn Lake Forest Water Company (predecessor to PSW) and Woodloch Pines, Inc. dated December 18, 2000, as amended on August 13, 2003 and a settlement reached at Docket No. R-00027986, Woodloch Pines, Inc. will pay the greater of: 1) the take or pay monthly minimum of \$4,800 for the first 1,200,000 gallons with any additional usage billed at the rate of \$4.00 per thousand gallons, or 2) the applicable tariff rate for Industrial customers in the Fawn Lake division.		
<u>Woodloch Pines, Inc. Sewer Rates</u> Immediately upon acquisition, AP will begin charging the Pines a rate of \$190,000 per year, payable in monthly installments. This rate will stay in effect for three years and then increase by 3.0% per year unless AP connects the Pines system with the Woodloch Springs sewer plant.		
<b>(I) Indicates Increase</b>		



SCHEDULE OF RATES

Meter Service

<u>Customer Charge</u> (I)	
<u>Size of Meter</u>	<u>Monthly (\$)</u>
5/8 inch	16.00
¾ Inch	27.50
1 Inch	46.70
1-1/2 Inch	89.90
2 Inch	127.90
3 Inch	257.00
4 Inch	418.00
6 Inch	862.00
8 Inch	1,508.00
10 Inch	2,229.00

<u>Consumption Charges – All Residential Customers</u> Water consumed will be charged for at the following rates: For all water consumed.	\$8.800	per thousand gallons (I)
<u>Consumption Charges – All Commercial &amp; Public Customers</u> Water consumed will be charged for at the following rates: For water consumed up to 10,000 gallons per month.	\$8.800	per thousand gallons (I)
For water consumed in excess of 10,000 gallons per month, up to 33,300 gallons per month.	\$8.800	per thousand gallons (I)
For water consumed in excess of 33,300 gallons per month, up to 333,300 gallons per month	\$7.288	per thousand gallons (I)
For water consumed in excess of 333,300 gallons per month,	\$6.668	per thousand gallons (I)
<u>Consumption Charges – All Industrial Customers</u> Water consumed will be charged for at the following rates: For water consumed up to 10,000 gallons per month.	\$8.800	per thousand gallons (I)
For water consumed in excess of 10,000 gallons per month, up to 33,300 gallons per month.	\$8.800	per thousand gallons (I)
For water consumed in excess of 33,300 gallons per month, up to 333,300 gallons per month	\$7.288	per thousand gallons (I)
For water consumed in excess of 333,300 gallons per month, up to 3,333,300 gallons per month	\$6.668	per thousand gallons (I)
For water consumed in excess of 3,333,300 gallons per month, up to 10,000,000 gallons per month	\$6.052	per thousand gallons (I)
For water used in excess of 10,000,000 gallons per month	\$4.842	
<u>Consumption Charges – Other Water Utilities</u> Water consumed will be charged for at the following rates: For all water consumed	\$8.833	per thousand gallons

(I) Indicates Increase  
(C) Indicates Change

SCHEDULE OF RATES

Fire Service

		Rate Per Month (\$)	
<b>Fire Hydrants</b>			<b>(I)</b>
For each public fire hydrant		\$14.73	
For each private fire hydrant		\$48.00	
<b>Metered or Unmetered Fire Service</b>			<b>(I)</b>
1"		5.60	
1 1/2"		12.80	
2"		31.70	
3"		51.50	
4"		67.90	
6"		120.00	
8"		180.00	
10"		260.00	
12"		1,413.00	
Water Allowance		0	
Rate per thousand gallons (metered service only)		\$8.800	<b>(I)</b>
Residential Multiple Meter Service			<b>(I)</b>
Domestic Meter	Fire Meter	Minimum Charge Monthly (\$)	Allowance Monthly
5/8"	3/4"	18.21	0 <b>(I)</b>
5/8"	1"	18.56	0 <b>(I)</b>
5/8"	1-1/2"	21.89	0 <b>(I)</b>
5/8"	2"	24.00	0 <b>(I)</b>
3/4"	1"	30.06	0 <b>(I)</b>
3/4"	1-1/2"	33.39	0 <b>(I)</b>
3/4"	2"	35.50	0 <b>(I)</b>
1"	1"	49.26	0 <b>(I)</b>
1"	1-1/2"	52.59	0 <b>(I)</b>
1"	2"	54.70	0 <b>(I)</b>
1 1/2"	1"	91.96	0 <b>(I)</b>
1 1/2"	1 1/2"	95.29	0 <b>(I)</b>
1 1/2"	2"	97.40	0 <b>(I)</b>
2"	1-1/2"	130.79	0 <b>(I)</b>
2"	2"	132.90	0 <b>(I)</b>

Water usage will be the consumption registered on both meters and will be billed at the residential metered water consumption rates.

**(I)** Indicates Increase

Schedule of Rates

Meter Service

<u>Size of Meter</u>	<u>Customer Charge Monthly (\$) (I)</u>
5/8 inch	15.00
¾ inch	15.00
1 inch	21.40
1 ½ inch	35.50
2 inch	71.00
3 inch	213.10
4 inch	227.50
6 inch	356.50

<u>Consumption Charges – Residential</u> Water consumed will be charged for at the following rates: For all water consumed	\$7.100	(I) per thousand gallons
<u>Consumption Charges – Commercial &amp; Public</u> Water consumed will be charged for at the following rates: For all water consumed	\$7.100	(I) per thousand gallons
<u>Consumption Charges – Industrial &amp; Other Utilities</u> Water consumed will be charged for at the following rates: For all water consumed	\$7.100	(I) per thousand gallons

Fire Service

	<u>Rate Per Month (\$)</u>	
<u>Fire Hydrants</u>		
For each private fire hydrant	\$54.60	
For each existing public fire hydrant at closing	\$19.00	(I)
For each public fire hydrant	\$25.25	
Note: All new public fire hydrants from the date of this tariff onward will be billed at the monthly rate of \$22.00, which represents approximately 25% of the cost of providing service to the Township or Municipality, except those whose rates are currently below \$22.00 per month.		(I)

Note: There are no current fire protection customers. Main Division rates will apply to any new fire protection accounts.

(I) Indicates Increase



Aqua Pennsylvania, Inc.  
Chalfont Division

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Schedule of Rates  
Metered Rates

(I)	
<u>Customer Charge</u>	
<u>Size of Meter</u>	<u>Monthly (\$)</u>
5/8 inch	23.50
¾ Inch	23.50
1 Inch	46.70
1-1/2 Inch	89.90 (D)
2 Inch	127.90
3 Inch	257.00
4 Inch	418.00
6 Inch	862.00
8 Inch	1,508.00
10 Inch	2,229.00

<b>Consumption Charges – Residential</b>		(I)
Water consumed will be charged for at the following rates:		
For water consumed up to 4,000 gallons per month	\$7.212	per thousand gallons
For water consumed in excess of 4,000 gallons per month	\$8.962	per thousand gallons (I)
<b>Consumption Charges – Commercial &amp; Public</b>		(I)
Water consumed will be charged for at the following rates:		
For water consumed up to 10,000 gallons per month	\$10.000	per thousand gallons
For water consumed in excess of 10,000 gallons per month, up to 33,300 gallons per month	\$8.785	per thousand gallons (I)
For water consumed in excess of 33,300 gallons per month, up to 333,300 gallons per month	\$7.288	per thousand gallons (I)
For water consumed in excess of 333,300 gallons per month	\$6.668	per thousand gallons (I)
<b>Consumption Charges – All Industrial Customers</b>	\$10.000	per thousand gallons (I)
Water consumed will be charged for at the following rates:		
For water consumed up to 10,000 gallons per month.		
For water consumed in excess of 10,000 gallons per month, up to 33,300 gallons per month.	\$8.785	per thousand gallons (I)
For water consumed in excess of 33,300 gallons per month, up to 333,300 gallons per month	\$7.288	per thousand gallons (I)
For water consumed in excess of 333,300 gallons per month, up to 3,333,300 gallons per month	\$6.668	per thousand gallons (I)
For water consumed in excess of 3,333,300 gallons per month, up to 10,000,000 gallons per month	\$6.052	per thousand gallons (I)
For water used in excess of 10,000,000 gallons per month	\$4.842	per thousand gallons (I)

**Fire Service Rates**

Each public fire hydrant	\$22.00 (I)	per month
Each qualified private fire hydrant	\$25.25	per month
Each private fire hydrant	\$30.80 (I)	per month

<u>Metered Fire</u>	
<u>Meter Size</u>	<u>Monthly (\$)</u>
1 Inch	5.60
1-1/2 Inch	12.80
2 Inch	31.70
3 Inch	51.50
4 Inch	87.20
6 Inch	192.00
8 Inch	335.00
10 Inch	510.00
12 Inch	1,413.00

Rate per thousand gallons - \$10.000 (I)

(I) Indicates Increase

Schedule of Rates

(I)	
<u>Customer Charge</u>	
<u>Size of Meter</u>	<u>Monthly (\$)</u>
5/8 inch	26.00
¾ Inch	26.00
1 Inch	46.70
1-1/2 Inch	89.90
2 Inch	127.90
3 Inch	257.00
4 Inch	418.00
6 Inch	862.00
8 Inch	1,508.00
10 Inch	2,229.00

<u>Consumption Charges – Residential</u>		(I)
Water consumed will be charged for at the following rates:		
From minimum allowance to 4,000 gallons	\$4.800	per thousand gallons
For water consumed in excess of 4,000 gallons per month	\$8.962	per thousand gallons (I)
<u>Consumption Charges – Commercial, Industrial and Public</u>		(I)
Water consumed will be charged for at the following rates:		
First 10,000 gallons per month	\$10.000	per thousand gallons
For water consumed in excess of 10,000 gallons per month, up to 33,300 gallons per month	\$8.785	per thousand gallons (I)
For water consumed in excess of 33,300 gallons per month, up to 333,300 gallons per month	\$7.288	per thousand gallons (I)
For water consumed in excess of 333,300 gallons per month	\$6.668	per thousand gallons (I)

Fire Service Rates

Each private fire hydrant	\$26.40	per month (I)
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Note: All new public fire hydrants from the date of this tariff onward will be billed at the monthly rate of \$22.00, which represents approximately 25% of the cost of providing service to the Township or Municipality, except those whose rates are currently below \$22.00 per month.

Currently there is no fire protection service in the CS Water Division. If fire protection service is provided in the future, the Fawn Lake fire rates will apply.

**(I) Indicates Increase**



Schedule of Rates

Metered Rates

Customer Charge <span style="float: right;">(I)</span>	
Size of Meter	Monthly (\$)
5/8 inch	15.00
¾ Inch	15.00
1 Inch	30.00
1-1/2 Inch	50.00
2 Inch	70.00
3 Inch	133.34
4 Inch	211.66
6 Inch	428.34
8 Inch	741.66
10 Inch	1,093.34

<u>Consumption Charges – Residential</u>		(I)
Water consumed will be charged for at the following rates:		
For water consumed up to 2,000 gallons per month	\$5.000	per thousand gallons
For water consumed in excess of 2,000 gallons per month	\$6.000	per thousand gallons (I)
<u>Consumption Charges – Commercial, Public and Industrial</u>		(I)
Water consumed will be charged for at the following rates:		
For all water consumed	\$7.000	per thousand gallons

There are no fire protection customers presently in this division. New fire protection accounts should receive Main Division rates.

**(I) Indicates Increase**

Aqua Pennsylvania, Inc.

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to  
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Seventh Revised Page No. 16  
~~Canceling Sixth Revised Page No. 16~~

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SCHEDULE OF RATES

Metered Service

Customer Charge <span style="float: right;">(I)</span>	
Size of Meter	Monthly (\$)
5/8 inch	16.00
3/4 inch	27.50
1 Inch	40.00
1-1/2 Inch	40.00
2 Inch	40.00
3 Inch	70.00
4 Inch	418.00
6 Inch	862.00
8 Inch	1,508.00
10 Inch	2,229.00

<u>Consumption Charges – Residential</u>		
Water consumed will be charged for at the following rates:		
For water consumed up to 2,000 gallons per month	\$7.208	per thousand gallons (I)
For water consumed in excess of 2,000 gallons per month	\$8.208	per thousand gallons (I)
<u>Consumption Charges – Commercial &amp; Public</u>		
Water consumed will be charged for at the following rates:		
For water consumed up to 10,000 gallons per month	\$7.208	per thousand gallons (I)
For water consumed in excess of 10,000 gallons per month, up to 33,300 gallons per month	\$7.208	per thousand gallons (I)
For water consumed in excess of 33,300 gallons per month, up to 333,300 gallons per month	\$7.208	per thousand gallons (I)
For water consumed in excess of 333,300 gallons per month up to 3,333,300 gallons per month	\$6.668	per thousand gallons (I)

Fire Service

There are no fire protection customers presently in this division. New fire protection accounts should receive Main Division rates.

**(I) Indicates Increase**

SCHEDULE OF RATES

<u>Customer Charge (I)</u>	
<u>Size of Meter</u>	<u>Monthly (\$)</u>
5/8 inch	16.00 (I)
3/4 inch	27.50
1 Inch	46.70
1-1/2 Inch	89.90 (D)
2 Inch	127.90 (D)
3 Inch	257.00 (D)
4 Inch	418.00 (D)
6 Inch	862.00 (D)
8 Inch	1,508.00 (D)
10 Inch	2,229.00 (D)

<u>Consumption Charges – Residential</u>		(I)
Water consumed will be charged for at the following rates:		
For water consumed up to 2,000 gallons per month	\$8.000	per thousand gallons
For water consumed in excess of 2,000 gallons per month	\$8.000	per thousand gallons (I)
<u>Consumption Charges – Commercial &amp; Public</u>		(I)
Water consumed will be charged for at the following rates:		
For water consumed up to 8,000 gallons per month	\$8.000	per thousand gallons
For water consumed in excess of 8,000 gallons per month, up to 33,300 gallons per month	\$8.000	per thousand gallons (I)
For water consumed in excess of 33,300 gallons per month, up to 333,300 gallons per month	\$8.000	per thousand gallons (I)
For water consumed in excess of 333,300 gallons per month up to 3,333,300 gallons per month	\$8.000	per thousand gallons (I)
For water consumed in excess of 3,333,300 gallons per month up to 10,000,000 gallons per month	\$8.000	per thousand gallons (I)
For water consumed in excess of 10,000,000 gallons per month	\$8.000	per thousand gallons (I)

(I) Indicates increase  
(D) Indicates decrease

**SCHEDULE OF RATES**

**Fire Service**

	<u>Rate Per Month</u>	
<u>Fire Hydrants</u>		
For each public fire hydrant (Jackson Township)	\$19.00 (I)	

There are no fire protection customers presently in this division. New fire protection accounts should receive Main Division rates.

(I) **Indicates increase**

**SCHEDULE OF RATES**

<u>Size of Meter</u>	<u>Monthly (\$) (I)</u>
5/8 inch	16.00 (D)
3/4 inch	27.50
1 Inch	46.70
1-1/2 Inch	89.90
2 Inch	127.90
3 Inch	257.00
4 Inch	418.00
6 Inch	862.00

<u>Consumption Charges – Residential</u> Water consumed will be charged for at the following rates: For water consumed up to 2,000 gallons per month	\$7.980	per thousand gallons (I)
For water consumed in excess of 2,000 gallons per month	\$7.980	per thousand gallons (I)
<u>Consumption Charges – Commercial &amp; Public</u> Water consumed will be charged for at the following rates: For water consumed up to 10,000 gallons per month	\$8.833	per thousand gallons (I)
For water consumed in excess of 10,000 gallons per month, up to 33,333 gallons per month	\$7.760	per thousand gallons (I)
For water consumed in excess of 33,333 gallons per month, up to 333,333 gallons per month	\$4.000	per thousand gallons (I)
For water consumed in excess of 333,333 gallons per month	\$3.000	per thousand gallons (I)
<u>Consumption Charges – Industrial &amp; Public</u> Water consumed will be charged for at the following rates: For water consumed up to 10,000 gallons per month	\$8.833	per thousand gallons (I)
For water consumed from 10,000 gallons per month to 33,333 gallons per month	\$7.760	per thousand gallons (I)
For water consumed in excess of 33,333 gallons per month, up to 333,333 gallons per month	\$4.000	per thousand gallons (I)
For water consumed in excess of 333,333 gallons per month	\$3.000	

(I) Indicates increase

(D) Indicates decrease

Fire Protection Rates

Each public fire hydrant	\$22.00	per month (I)
Each private fire hydrant	\$30.60	per month (I)

<u>Metered Fire</u>	
<u>Size of Meter</u>	<u>Monthly (\$)</u>
1 Inch	5.60
1-1/2 Inch	12.80
2 Inch	31.70
3 Inch	51.50
4 Inch	67.90
6 Inch	120.00
8 Inch	180.00
10 Inch	510.00
12 Inch	1,413.00

Rate per thousand gallons \$8.833

**(I) Indicates Increase**



Aqua Pennsylvania, Inc.

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To  
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Eleventh Revised Page No. 17E  
~~Canceled Tenth Page No. 17E~~

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Supplement No. 128  
To  
Water-P.A.P.U.C. No. 1  
Tenth Revised Page No. 171  
Canceling Ninth Revised Page No. 171

**SCHEDULE OF RATES**

**Sand Springs Division**

	<b>Rate Per Month / EDU</b>
<b>Residential Customer Charge;</b>	<b>\$16.25</b>
<b>Commercial Customer Charge:</b>	<b>\$65.00</b>

Consumption Charges for all customers:

\$6.00 per 1,000 gallons

<b><u>SCHEDULE OF RATES</u></b> <b><u>SAND SPRINGS DIVISION</u></b> <b><u>Fire Service</u></b>		
	<b>Rate Per Month</b>	
<b><u>Fire Hydrants</u></b>		
<b><i>For each public fire hydrant</i></b>	<b>\$16.20</b>	
<b><i>For each private fire hydrant</i></b>	<b>\$24.00</b>	

There are no fire protection customers presently in this division. New fire protection accounts should receive Main Division rates. (C)

Aqua Pennsylvania, Inc.

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Tenth Revised Page No. 17J  
~~Cancellation Ninth Revised Page No. 17J~~

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**SCHEDULE OF RATES**

**Quarterly Customer Rates - Residential, Commercial, Industrial, Public, Metered and  
Unmetered Fire Service Customers**

0 - 6,000 gallons	\$84.00
6,001 - 9,000 gallons	\$99.00
9,001 - 20,000 gallons	\$100.00, plus \$3.50/thousand gallons for consumption between 9,001 - 20,000 gallons
Over 20,000 gallons	\$125.00, plus \$4.50/thousand gallons for consumption in excess of 20,000 gallons

**Monthly Customer Rates - Residential, Commercial, Industrial, Public, Metered and  
Unmetered Fire Service Customers**

0 - 2,000 gallons	\$28.00
2,001 - 3,000 gallons	\$33.00
3,001 - 6,667 gallons	\$33.33, plus \$3.50/thousand gallons for consumption between 3,001 - 6,667 gallons
Over 6,667 gallons	\$41.67, plus \$4.50/thousand gallons for consumption in excess of 6,667 gallons

**Monthly Public Fire Hydrant Rates**

\$2.19 per fire hydrant	
\$4.37 per fire hydrant	Effective on and after April 2, 2013
\$6.55 per fire hydrant	Effective on and after April 2, 2014
\$8.73 per fire hydrant	Effective on and after April 2, 2015
\$10.91 per fire hydrant	Effective on and after April 2, 2016

Aqua Pennsylvania, Inc.  
Beech Mountain Lakes Division

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**SCHEDULE OF METER RATES**

This schedule is applicable to all metered customers:

<i>Customer Charge</i>	
<i>Size of Meter</i>	<i>Monthly (\$)</i>
3/4 Inch	15.00
1 Inch	40.69
1-1/2 Inch	81.38
2 Inch	130.20
3 Inch	244.13
4 Inch	278.00
6 Inch	813.75

<i>Consumption Charges</i>		
Water consumed will be charged for at the following rates: For all water consumed	\$1.58	per thousand gallons

**MONTHLY FIRE HYDRANT RATES PAYABLE  
BY THE BEECH MOUNTAIN LAKES ASSOCIATION, INC.**

\$24 per fire hydrant



**SCHEDULE OF METERED RATES**

This schedule is applicable to all metered customers:

<u>Base Charges:</u> <u>Size of Meter</u>	<u>Per Month</u>
5/8 Inch or 3/4 Inch	\$12.84
1 Inch	23.87
1-1/2 Inch	35.39
2 Inch	47.50
3 Inch	79.17
4 Inch	194.87
6 Inch	390.95
<u>Consumption Charge</u>	<u>Rate per 1,000 Gallons</u>
All consumption	\$3.52

**AVAILABILITY OR READY-TO-SERVE CHARGE**

Application to each owner, without distinction as to whether the owner is a developer of a tract of land, shown as an individual lot or two or more contiguous lots within Treasure Lake Subdivision on plans, subdivision maps or other similar documents of record in the Office of the Recorder of Deeds, Clearfield County, Pennsylvania, that abuts an installed main of the Company, except if water service is supplied under the above Schedule of Metered Rates to Premises that include such tract of land (See Pa. Bulletin, Volume 12, No. 15, April 10, 1982, and Pa. Bulletin Volume 12, No. 29, July 17, 1982).

Availability or Ready-to-Serve Charge  
Per tract of land per month \$3.04

**FIRE SERVICE**

Although fire hydrants are installed in the water distribution system, they are for the Company's convenience in maintaining general water service to Customers and for the maintenance of the water distribution system and not for the purpose of making water available to extinguish fires. The following monthly fire service rate will be charged to the Treasure Lake Community Association, or successor entity, if it is determined that fire protection would be requested within the Treasure Lake Community and that the existing water system assets can support fire flow requirements without impacting the domestic needs of the Community:

\$24 per fire hydrant

In the event fire service is made available by the Company and the residents of the Treasure Lake Community are able to convince the local municipality to pay for such service, the monthly fire service rate payable by the local municipality will be:

\$16.20 per fire hydrant

RULES AND REGULATIONS:

The following Rules and Regulations apply within the Treasure Lake Division and together with the balance of the Company's tariff represent the Rules and Regulations governing service to the Treasure Lake Division:

The following apply within the Treasure Lake Division and, in particular, to those Treasure Lake Division customers identified on Schedule 1.3.a.1 of the Assets Purchase Agreement ("APA") between Total Environmental Solutions, Inc. ("TESI"), Aqua Pennsylvania, Inc. and Little Washington Wastewater Company ("LWWC") d/b/a Suburban Wastewater Company, dated August 6, 2012. The APA was included in the Joint Application of the Company and TESI approved by the Pennsylvania Public Utility Commission ("PUC") in its Order entered on December 20, 2012 at PUC Docket Numbers A-2012-2322416 and A-2012-2322501. The Treasure Lake Property Owners Association, Inc. ("POA") received a copy of the Joint Application as well as other filings at these dockets. The Company and LWWC provided the management team of the POA with a presentation on February 5, 2013 that included an outline of post-closing issues associated with the Company's acquisition of the Treasure Lake Division water system, which included transfer of the meter pits for those customers on Schedule 1.3.a.1.

1. Those customers within the Treasure Lake Division whose addresses do not appear on Schedule 1.3.a.1 of the APA own their Customer service line in its entirety, including the Meter Pit on their Customer service line should one exist.
2. Those customers within the Treasure Lake Division whose addresses appear on Schedule 1.3.a.1 of the APA are the owners of their Customer service line in its entirety, with the exception of the Meter Pit, and effective on January 1, 2018, will own the Meter Pit.
3. For the definition of Meter Pit see "Meter Box/Vault" in the Definitions Section of this Tariff.

**SCHEDULE OF CONCORD PARK DIVISION METERED RATES**

**Domestic Service**

<b>Customer Class</b>	<b>Customer Charge/Month</b>	<b>Consumption Charge</b>
Residential	\$10.70	\$4.30 / thousand gallons
Commercial	\$49.01	\$4.08 / thousand gallons
Industrial	\$54.45	\$3.54 / thousand gallons
Public	\$21.24	\$4.68 / thousand gallons
Municipal	\$21.24	\$4.68 / thousand gallons

**Fire Service**

<b>Meter Size</b>	<b>Customer Charge/Month</b>	<b>Consumption Charge</b>
2-inch	\$4.12	\$0.00 / thousand gallons
4-inch	\$25.50	\$0.00 / thousand gallons
6-inch	\$74.08	\$0.00 / thousand gallons
8-inch	\$157.87	\$0.00 / thousand gallons
10-inch	\$283.91	\$0.00 / thousand gallons
12-inch	\$458.60	\$0.00 / thousand gallons

**Fire Hydrants** – Public Fire Hydrants @ \$7.91/fire hydrant/month.

**SCHEDULE OF CONCORD PARK DIVISION METERED RATES EFFECTIVE JANUARY 1, 2015**

**Domestic Service**

<b>Customer Class</b>	<b>Customer Charge/Month</b>	<b>Consumption Charge</b>
Residential	\$11.70	\$4.70 / thousand gallons
Commercial	\$53.56	\$4.46 / thousand gallons
Industrial	\$59.51	\$3.87 / thousand gallons
Public	\$23.21	\$5.12 / thousand gallons
Municipal	\$23.21	\$5.12 / thousand gallons

**Fire Service**

<b>Meter Size</b>	<b>Customer Charge/Month</b>	<b>Consumption Charge</b>
2-inch	\$4.50	\$0.00 / thousand gallons
4-inch	\$27.88	\$0.00 / thousand gallons
6-inch	\$80.97	\$0.00 / thousand gallons
8-inch	\$172.55	\$0.00 / thousand gallons
10-inch	\$310.32	\$0.00 / thousand gallons
12-inch	\$501.25	\$0.00 / thousand gallons

**Fire Hydrants** – Public Fire Hydrants @ \$8.64/fire hydrant/month.

Service types added subsequent to the effective date of this page for metered or unmetered service will be billed at "Main Division" rates.

**SCHEDULE OF BRISTOL TOWNSHIP WATER SYSTEM METERED RATES**

Customer Charge – Residential, Commercial, Industrial, and Public Customer Classes:

All Residential (5/8 inch only) (Includes 1<sup>st</sup> 4,333.33 gallons) \$ 24.2433

All other Classes

5/8 x 3/4 inch (includes 1<sup>st</sup> 4,333.33 gallons) \$ 58.6500  
1 inch (includes 1<sup>st</sup> 6,666.66 gallons) \$ 81.3000  
1.25 inch (includes 1<sup>st</sup> 8,666.66 gallons) \$ 102.5800  
1.5 inch (includes 1<sup>st</sup> 16,666.66 gallons) \$ 143.2500  
2 inch (includes 1<sup>st</sup> 20,000.00 gallons) \$ 217.7866  
3 inch (includes 1<sup>st</sup> 30,000.00 gallons) \$ 319.4666  
4 inch (includes 1<sup>st</sup> 43,333.33 gallons) \$ 455.0466  
6 inch (includes 1<sup>st</sup> 80,000.00 gallons) \$ 827.8266  
8 inch (includes 1<sup>st</sup> 133,333.33 gallons) \$1,370.0566

Consumption Charge/Classes:

Residential (in excess of allowance noted) \$ 5.59/thousand  
All other Classes (in excess of the allowances noted) \$ 7.07/thousand

Fire Service

3 inch connection \$ 39.0933  
4 inch connection \$ 75.0700  
6 inch connection \$ 117.3000  
8 inch connection \$ 250.4266  
10 inch connection \$ 516.0300  
Consumption Charge per thousand (applies to all size connections) \$ 4.9300

Aqua Pennsylvania, Inc.

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**SCHEDULE OF MT JEWETT BOROUGH'S RATE SCHEDULE**

<b>Base Rates:</b>	<u>Quarterly</u>	<u>Monthly</u>
Residential:	\$54.00	\$18.00
Commercial:	\$54.00	\$18.00
Industrial:	\$54.00	\$18.00
Other:	\$54.00	\$18.00

**Usage Rates**

Residential:	\$6.85 for each 1,000 gallons used
Commercial:	\$6.85 for each 1,000 gallons used
Industrial:	\$6.85 for each 1,000 gallons used
Other:	\$6.85 for each 1,000 gallons used

All customers are billed the base rate and for the gallons of water used based on the usage rates.

**Fire Service**

\$4.40 per month per fire hydrant

Aqua Pennsylvania, Inc.

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SCHEDULE OF BUNKER HILL SUBDIVISION'S RATE SECHDULE

Rates for Metered Service

	<u>Quarterly</u>	<u>Monthly</u>
Customer Charge:	\$12.57	\$4.19
Consumption Charge:	\$2.13 for each 1,000 gallons used	

Aqua Pennsylvania, Inc.  
Robin Hood Lakes

Supplement No. 136  
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Water-PA. P.U.C. No. 1  
Original Page No. 17S

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SCHEDULE OF ROBIN HOOD LAKES' METERED RATES

Rates for Metered Service

Customer Charge: Each customer will be assessed a customer services charge based upon the size of the customer's meter as follows:

<u>Meter Size</u>	<u>Customer Charge</u>	
	<u>Monthly</u>	<u>Bi-Monthly</u>
5/8 – 3/4 inch	\$13.40	\$26.80

Consumption Charge: In addition to the customer charge, the following water consumption charges will apply:

All consumption	<u>Rate per 1,000 Gals.</u> \$6.56
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Aqua Pennsylvania, Inc.  
East Cameron

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SCHEDULE OF EAST CAMERON'S METERED RATES

Rates for Metered Service

Customer Charge for water consumed up to 3,000 gallons per month:	<u>Monthly</u> \$50.00
For water consumption over 3,000 gallons per month	<u>Rate per 100 gallons</u> \$0.65



Aqua Pennsylvania, Inc.  
Sun Valley Division

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**SCHEDULE OF RATES**

Per Customer Charge: each customer will be assessed a customer charge of \$15.00 per month.

Aqua Pennsylvania, Inc.

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Canceling Second Revised Page No. 18

## INDUSTRIAL STANDBY RATE

### APPLICABILITY

This rate applies throughout the territory served under this tariff.

### AVAILABILITY

This rate is available to a new industrial customer that has an alternative supply source or an existing industrial customer that purchases water from the Company and develops or obtains a new source of supply. In order to obtain service under this rate, the customer must execute a Service Agreement with the Company for a period of not less than two years.

An alternative source of supply for a new customer or a new source of supply for an existing customer, for purposes of this tariff, means any external or internal source of water supply other than the Company, including expansion of, or additions to, an existing source of water supply, that has capacity available to supply the customer with at least 100,000 gallons per day of water on average and, in the case of an existing customer, was added after the effective date of Supplement 21 to Tariff Water Pa. P.U.C. No. 16 (January 3, 2000).

### NOMINATION OF STANDBY SERVICE

The Service agreement with the Company will identify the nature and amount of the customer's requirements for Standby Service. Standby Service will be available on a firm basis, an interruptible basis or combinations thereof.

The amounts of Standby Service to be nominated are the customer's requirements to meet Average Day Demand, Maximum Day Demand and Maximum Hour Demand. The sum of the customer's nominated firm and interruptible Maximum Day alternative supply or the existing customer's new source of supply or such other reasonable amount agreed to by the Company and the customer.

### RATE

#### Service Charge

The monthly Service Charges under this rate schedule will be the same as those set forth on the Schedule of Rates Applicable to PSW Main Division for the Industrial rate classification.

**INDUSTRIAL STANDBY RATE CONTINUED**

**Demand Charges**

The monthly Demand Charges under this rate schedule will be applied to the customer's nominated firm and interruptible standby demands in hundred gallons as set forth in the Service Agreement and are as follows:

	<u>Firm Standby Service</u>	<u>Interruptible Standby Service</u>
Average Day Demand	10.8601	2.0658
Maximum Day Demand	1.3260	0.3320
Maximum Hour Demand	21.9230	2.3868

**Consumption Charges**

In addition to the Service Charges and the Demand Charges, Consumption Charges will be rendered for all water delivered during the standby event in accordance with the following schedule:

Up to Average Daily Deliveries by Company during the seven days preceding the beginning of the standby event multiplied by the days during the standby event	PSW Main Division Industrial Rates
Next gallons - Firm Average Day Demand Nomination multiplied by the days during The standby event	0.0709 per hundred gallons
Next gallons - Interruptible Average Day Demand Nomination multiplied by the days during the standby event	0.5377 per hundred gallons
All amounts above sum of previously described amounts	PSW Main Division Industrial First Block

**TERMS AND CONDITIONS**

Initial Notification of Company. Each customer that develops or obtains a new source of supply and retains a connection to the Company's system becomes a Standby Service customer and shall notify the Company within 10 (10) days of so doing. The notification shall include the Maximum Day capacity of the source of supply and the customer's nominations of firm and interruptible standby demand requirements. The customer shall within thirty (30) days of developing or obtaining such new source of supply enter into a Service Agreement with the Company for Standby Service.

Each customer that is taking service under a Standby Service Agreement and increases the capacity of its source of supply shall be subject to the same notification requirements with respect to the additional capacity.

Aqua Pennsylvania, Inc.

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to  
Water-PA. P.U.C. No. 1  
Second Revised Page No. 18B  
Canceling First Page No. 18B

#### INDUSTRIAL STANDBY RATE CONTINUED

**Notification of Standby Event.** When a customer requires deliveries of water pursuant to this rate schedule, the customer shall notify the Company representative designated in the Service Agreement as soon as practical. The customer shall advise the Company representative of the probable daily quantities and the expected duration of the standby event. The customer also shall provide the Company with a notarized affidavit within thirty (30) days of the beginning of the standby event that describes the cause of the interruption of the customer's alternative supply. When the customer no longer requires deliveries of water pursuant to this rate schedule, the customer shall notify the Company representative. The time between these two notifications shall constitute the duration of the standby event.

**Use in Excess of Contractual Demands.** If and when the actual amounts of Standby Service Demands exceed the nominated amounts set forth in the Service Agreement, the actual demands shall become the nominated demands for the remainder of the term of the Service Agreement. Further, the customer will be billed an additional charge equal to the difference between the actual demand and previously nominated demand multiplied by the applicable demand charge and the number of months since the beginning of the term of the Service Agreement.

**Metering Equipment.** The customer shall pay the Company the cost, including installation, of all metering equipment, including meter interface units, that the Company, in its sole judgment, determines is necessary to properly implement Standby Service and to monitor the customer's compliance with its terms and conditions.

Aqua Pennsylvania, Inc.

Supplement No. 44  
to  
Water-PA. P.U.C. No. 1  
Second Revised Page No. 18C  
Canceling First Page No. 18C

**RESALE AND ELECTRIC GENERATION STANDBY RATE**

**APPLICABILITY**

*This rate applies throughout the territory served under this tariff.*

**AVAILABILITY**

This rate is available to a new customer that has an alternative supply or an existing customer that develops or obtains a new source of supply. To obtain service under this rate, the customer must purchase water from the Company for resale or electric generation purposes and execute a Service Agreement with the Company for a period of not less than ten years.

An alternative source of supply for a new customer or a new source of supply for an existing customer, for purposes of this tariff, means any external or internal source of water supply other than the Company, including expansion of, or additions to, an existing source of water supply, that has capacity available to supply the customer with at least 100,000 gallons per day of water on average and, in the case of an existing customer, was added after the effective date of Supplement 21 to Tariff Water Pa. P.U.C. No. 16 (January 3, 2000).

**NOMINATION OF STANDBY SERVICE**

The Service Agreement with the Company will identify the nature and amount of the customer's requirements for Standby Service. Standby Service will be available on a firm basis.

The amounts of Standby Service to be nominated are the customer's requirements to meet Average Day Demand, Maximum Day Demand and Maximum Hour Demand. The customer's nominated firm Maximum Day Demand shall be equal to the maximum day capacity of the new customer's alternative supply or the existing customer's new source of supply or such other reasonable amount agreed to by the Company and the customer.

**RATE**

**Service Charge**

The monthly Service Charges under this rate schedule will be the same as those set forth on the schedule of Rates Applicable to PSW Main Division for the customer's rate classification.

Aqua Pennsylvania, Inc.

Supplement No. 86  
to  
Water-PA. P.U.C. No. 1  
Fifth Revised Page No. 18D  
~~Canceled Third and Fourth Revised Page No. 18D~~

**RESALE AND ELECTRIC GENERATION STANDBY RATE CONTINUED**

**Demand Charges**

The monthly Demand Charges under this rate schedule will be applied to the customer's nominated firm standby demands in hundred gallons as set forth in the Service Agreement and are as follows:

Firm Standby Service

Average Day Demand	10.8601
Maximum Day Demand	1.3260
Maximum Hour Demand	21.9230

**Consumption Charges**

In addition to the Service Charge and the Demand Charges, Consumption Charges will be rendered for all water delivered during the standby event in accordance with the following schedule:

Up to Average Daily Deliveries by Company during the seven days preceding the beginning of the standby event multiplied by the days during the standby event

Applicable PSW Main Division Rates

Next gallons - Firm Average Day Demand nomination multiplied by the days during the standby event

0.0709 per hundred gallons

All amounts above sum of previously described amounts

Applicable PSW Main Division First Block

**TERMS AND CONDITIONS**

**Initial Notification of Company.** Each customer that develops or obtains a new source of supply and retains a connection to the Company's system becomes a Standby Service customer and shall notify the Company within ten (10) days of so doing. The notification shall include the Maximum Day capacity of the source of supply and the customer's nomination of firm standby demand requirements. The customer shall within thirty (30) days of developing or obtaining such new source of supply enter into a Service Agreement with the Company for Standby Service.

Each customer that is taking service under a Standby Service Agreement and increases the capacity of its source of supply shall be subject to the same notification requirements with respect to the additional capacity.

Aqua Pennsylvania, Inc.

Supplement No. 44  
to  
Water-PA, P.U.C. No. 1  
Second Revised Page No. 18E  
Canceling First Revised Page No. 18E

**RESALE AND ELECTRIC GENERATION STANDBY RATE CONTINUED**

**Notification of Standby Event.** When a customer requires deliveries of water pursuant to this rate schedule, the customer shall notify the Company representative designated in the Service Agreement as soon as practical. The customer shall advise the Company representative of the probable daily quantities and the expected duration of the standby event. The customer also shall provide the Company with a notarized affidavit within thirty (30) days of the beginning of the standby event that describes the cause of the interruption of the customer's alternative supply. When the customer no longer requires deliveries of water pursuant to this rate schedule, the customer shall notify the Company representative. The time between these two notifications shall constitute the duration of the standby event.

**Use in Excess of Contractual Demands.** If and when the actual amounts of Standby Service Demands exceed the nominated amounts set forth in the Service Agreement, the actual demands shall become the nominated demands for the remainder of the term of the Service Agreement. Further, the customer will be billed an additional charge equal to the difference between the actual demand and previously nominated demand multiplied by the applicable demand charge and the number of months since the beginning of the term of the Service Agreement.

**Metering Equipment.** The customer shall pay the Company the cost, including installation, of all metering equipment, including meter interface units, that the Company, in its sole judgment, determines is necessary to properly implement Standby Service and to monitor the customer's compliance with its terms and conditions.

**RIDER DIS - DEMAND-BASED INDUSTRIAL SERVICE**

**Applicability.**

Throughout the territory served under this tariff.

**Availability.**

*This rider is available to a customer or prospective customer that:*

- (1) purchases or intends to purchase water from the Company for industrial purposes;
- (2) enters into a Service Agreement for a term of not less than 2 years
- (3) during the original and any renewal terms of the Service Agreement, agrees to purchase a minimum of 10 million gallons of water per month at a daily load factor of not less than 0.60; and
- (4) has a viable competitive alternative to service from the Company and intends to select that alternative to the detriment of the Company and its other customers.

The Company shall require documentation to establish, to the company's satisfaction, the existence of a competitive alternative. Such documentation may include, but is not limited to, an affidavit of the customer or, if the customer is a corporation, an affidavit of one or more of its officers.

**Rate.**

The rate(s) to be charged qualifying customers under this rider will be as set forth in the Service Agreement, provided, however, that such rate(s): (1) shall not exceed the Maximum Rate; (2) shall not be less than the Minimum Rate; and (3) shall be subject to an Escalation Clause, as hereafter defined.

**Maximum Rate:** The Maximum Rate shall be the charges specified in the Company's Rate Schedule that would otherwise apply to the qualifying customer absent this rider.

**Minimum Rate:** The minimum rate shall be sufficient to recover: (1) the Production Cost of Water; (2) the fixed costs (depreciation and pro-tax return) associated with the facilities necessary to serve the customer; and (3) some portion of the fixed costs of the Company's other facilities. For purposes of this rider, the Production Cost of Water shall be the variable cost the company incurs to produce additional treated water, which consists of expenses for electric power, chemicals and purchased water (where applicable).

**Escalation Clause:** The rate set forth in the Service Agreement shall be subject to an Escalation Clause, during the original and any renewal terms of the Service Agreement, based upon changes in published price indices and /or changes in the Company's cost of service, as the Company and the qualifying customer shall agree.

**Filing With The Pennsylvania Public Utility Commission/Confidentiality:** Service Agreements entered into between the Company and qualifying customers under this rider shall be filed with the Commission on a confidential basis within thirty (30) days of their execution and shall not be subject to disclosure except by Petition made to and granted by the Commission pursuant to 52 PA Code §1.74.



**RIDER DRS - DEMAND-BASED RESALE SERVICE**

**Applicability.**

Throughout the territory served under this tariff.

**Availability.**

This rider is available to a customer or prospective customer that:

- (1) Purchases or intends to purchase water from the Company for resale;
- (2) enters into a Service Agreement for a term of not less than 10 years
- (3) during the original and any renewal terms of the Service Agreement, agrees to maintain a daily load factor of not less than 0.6; and
- (4) has a viable competitive alternative to service from the Company and intends to select that alternative to the detriment of the Company and its other customers.

The Company shall require documentation to establish, to the Company's satisfaction, the existence of a competitive alternative. Such documentation may include, but is not limited to, an affidavit of the customer or, if the customer is a corporation, an affidavit of one or more of its officers.

**Rate.**

The rate(s) to be charged qualifying customers under this rider will be as set forth in the Service Agreement, provided, however, that such rate(s): (1) shall not exceed the Maximum Rate; (2) shall not be less than the Minimum Rate; and (3) shall be subject to an Escalation Clause, as hereafter defined.

**Maximum Rate:** The Maximum Rate shall be the charges specified in the Company's Rate Schedule that would otherwise apply to the qualifying customer absent this rider.

**Minimum Rate:** The Minimum Rate shall be sufficient to recover: (1) the Production Cost of Water; (2) the fixed costs (depreciation and pre-tax return) associated with the facilities necessary to serve the customer; and (3) some portion of the fixed costs of the Company's other facilities. For purposes of this rider, the Production Cost of Water shall be the variable cost the Company incurs to produce additional treated water, which consists of expenses for electric power, chemicals and purchased water (where applicable).

**Escalation Clause:** The rate set forth in the Service Agreement shall be subject to an Escalation Clause, during the original and any renewal terms of the Service Agreement, based upon changes in published price indices and/or changes in the Company's cost of service, as the Company and the qualifying customer shall agree.

**Filing with the Pennsylvania Public Utility Commission/Confidentiality:** Service Agreements entered into between the Company and qualifying customers under this rider shall be filed with the Commission on a confidential basis within thirty (30) days of their execution and shall not be subject to disclosure except by Petition made to and granted by the Commission pursuant to 52 PA Code §1.74.

RIDER EGS - ELECTRIC GENERATION SERVICE

**Applicability.**

Throughout the territory served under this tariff.

**Availability.**

This rider is available to the electric generating facilities of a customer or prospective customer that:

- (1) is engaged in the business of generating electric power for sale to the public or to public utilities;
- (2) enters into a Service Agreement for a term of not less than 10 years;
- (3) agrees to purchase at least 10 million gallons of water per month; and
- (4) has a viable competitive alternative to service from the Company and intends to select that alternative to the detriment of the Company and its other customers.

The Company shall require documentation to establish, to the Company's satisfaction, the existence of a competitive alternative. Such documentation may include, but is not limited to, an affidavit of the customer or, if the customer is a corporation, an affidavit of one or more of its officers.

**Rate.**

The rate(s) to be charged qualifying customers under this rider will be as set forth in the Service Agreement, provided, however, that such rate(s): (1) shall not exceed the Maximum Rate; (2) shall not be less than the Minimum Rate; and (3) shall be subject to an Escalation Clause, as hereafter defined.

**Maximum Rate:** The Maximum Rate shall be the charges specified in the Company's rate schedule that would otherwise apply to the qualifying customer absent this rider.

**Minimum Rate:** The Minimum Rate shall be sufficient to recover: (1) the Production Cost of Water; (2) the fixed costs (depreciation and pre-tax return) associated with the facilities necessary to serve the customer; and (3) some portion of the fixed costs of the Company's other facilities. For purposes of this rider, the Production Cost of Water shall be the variable cost the Company incurs to produce additional treated water, which consists of expenses for electric power, chemicals and purchased water (where applicable).

**Escalation Clause:** The rate set forth in the Service Agreement shall be subject to an Escalation Clause, during the original and any renewal terms of the Service Agreement, based upon changes in published price indices and/or changes in the Company's cost of service, as the Company and the qualifying customer shall agree.

**Filing With the Pennsylvania Public Utility Commission/Confidentiality:** Service Agreements entered into between the Company and qualifying customers under this rider shall be filed with the Commission on a confidential basis within thirty (30) days of their execution and shall not be subject to disclosure except by petition made to and granted by the Commission pursuant to 52 PA Code §1.74.

**RIDER OPI – OFF PEAK / INTERRUPTIBLE RATE SERVICE**

**Applicability.**

Throughout the territory served under this tariff where the capacity exists to provide this service.

**Availability.**

This rider is available to a customer or prospective customer that:

- (1) purchases or intends to purchase water from the Company for any purpose;
- (2) purchases at least 80% of its water from the Company during the off-peak hours of 10:00 PM to 5:00 AM;
- (3) purchases a minimum of six million gallons per year during the contracted period;
- (4) enters into a Service Contract for a term of not less than one year.

**Rate.**

**Charges**

The rate(s) to be charged qualifying customers under this rider will be as set forth in the Service Agreement, provided, however, that such rate(s): (1) shall not exceed the Maximum Rate; (2) shall not be less than the Minimum Rate; and (3) may include a Minimum Charge upon the discretion of the Company, if it is anticipated that there are other customer expenses to be incurred besides the Metering Equipment (4) shall be subject to an Escalation Clause, as hereafter defined. If, during the month, the customer purchases less than 80% of its water during the off-peak hours, the rate to be charged for consumption will be the Maximum Rate.

**Maximum Rate:** The Maximum Rate shall be the otherwise applicable volumetric charges specified in the Company's Rate Schedule for the Malt Division.

**Minimum Rate:** The minimum rate shall be sufficient to recover: (1) the Production Cost of Water; and (2) some portion of the fixed costs of the Company's facilities. For purposes of this rider, the Production Cost of Water shall be the variable cost the Company incurs to produce additional treated water, which consists of expenses for electric power, chemicals and purchased water (where applicable).

**Escalation Clause:** The rate set forth in the Service Agreement shall be subject to an Escalation Clause, during the original and any renewal terms of the Service Agreement, based upon changes in published price indices and /or changes in the Company's cost of service, as the Company and the qualifying customer shall agree.

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Second Revised Page No. 19D  
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**RIDER OPI – OFF PEAK / INTERRUPTIBLE RATE SERVICE**

**Terms and Conditions**

**Interruption of Service:** The Company may require the customer to interrupt its water usage to assist the Company in addressing a system emergency, including insufficiency, for any reason, of the Company's source of supply, treatment/purification, pumping, transmission, storage or distribution capacity to serve other customers' demands. The customer will be provided not less than one hour's notice before an interruption is expected to begin. Notice may be by telephone to the customer contact identified in the Service Agreement.

**Failure to Interrupt:** Failure to comply with the Company's request for interruption shall result in all usage by the customer, during the billing period in which such interruption was requested, being billed at the Company's otherwise applicable Schedule of Rates for the Main Division plus \$0.05 per hundred gallons. If the customer fails to comply with the Company's requests for interruption three times during any one year period, measured in twelve month intervals commencing on the effective date of the Service Agreement, the customer shall cease to be eligible for service under this rider and shall thereafter be billed under the otherwise applicable Schedule of Rates.

**Metering Equipment:** The customer shall pay the Company the cost, including installation, of all metering equipment, including meter interface units, that the Company, in its sole judgment, determines is necessary to properly implement the rate and to monitor the customer's compliance with the availability criteria and terms and conditions hereof.

**Inspection:** The customer shall permit Company personnel and the Company's authorized agents, representatives, consultants and experts access to the customer's facilities during regular business hours and upon not less than 24 hours notice and shall permit inspection thereof to determine, to the Company's satisfaction, whether the customer is in compliance with the availability criteria and terms and conditions hereof.

**Confidentiality:** Service Agreements entered into between the Company and qualifying customers under this rider shall be filed with the Commission on a confidential basis within thirty (30) days of their execution and shall not be subject to disclosure except by Petition made to and granted by the Commission pursuant to 52 PA Code Section 1.74.

RIDER - STATE TAX SURCHARGE APPLICABLE TO ALL RATES

In addition to the net charges provided for in this Tariff, a surcharge of 0.0000% will apply to all bills issued on and after April 1, 2012.

The above surcharge will be recomputed using the elements prescribed by the Commission in its policy at 52 PA Code section 69.51 et seq.:

- On or before March 31 of each year; and/or
- Whenever the Company experiences a material change in any of the taxes used in calculation of the surcharge due to a change in the applicable tax rates, or in the basis of calculating such tax rates, or due to changes in the state tax liability arising under the law.

The recalculation will be submitted to the Commission within 10 days after the occurrence of the event which occasions such recomputation or as prescribed in the Commission's regulations or orders. If the recomputed surcharge is less than the one in effect, the utility will, or if the recomputed surcharge is more than the one in effect, the utility may, submit with such recomputation a tariff or supplement to reflect such recomputed surcharge. The effective date of such tariff or supplement shall be 10 days after filing or as prescribed in the Commission's regulations or orders. In the event that the Company files an increased surcharge subsequent to 10 days after the occurrence of an event which occasions a recomputation, the effective date of such tariff or supplement shall be 60 days after filing in accordance with section 1308(a) of the Public Utility Code, 66 C.S. section 1308(a)(regarding voluntary changes in rates) unless otherwise directed by the Commission.

The surcharge shall be rolled into base rates when increased or decreased base rates are made effective

DISTRIBUTION SYSTEM IMPROVEMENT CHARGE (DSIC) (I)

In addition to the net charges provided for in this Tariff, a surcharge of 7.5000% will apply to all bills issued, excluding public fire hydrants, on or after April 1, 2018. (C)

I. General Description

Purpose: To recover the fixed costs (depreciation and pre-tax return) of certain non-revenue producing, non-expense reducing distribution system improvement projects completed and placed in service and to be recorded in the individual accounts, as noted below, between base rate cases and to provide the Company with the resources to accelerate the replacement of its aging water distribution infrastructure, to comply with evolving regulatory requirements imposed by the Safe Drinking Water Act and to develop and implement solutions to regional water supply problems. Company projects receiving PENNVEST funding are not DSIC – eligible property.

Eligible Property: The DSIC-eligible property will consist of the following:

services (account 3330), meters (account 3340) and hydrants (account 3350) installed as in-kind replacements for customers:

mains and valves (account 3310) installed as replacements for existing facilities that have worn out, are in deteriorated condition, or upgraded to meet Chapter 65 regulations of Title 52;

main extensions (account 3310) installed to eliminate dead ends and to implement solutions to regional water supply problems that have been documented as presenting a significant health and safety concern for customers currently receiving service from the Company or the acquired Company:

**(I) Indicates Increase**

DISTRIBUTION SYSTEM IMPROVEMENT CHARGE

main cleaning and relining (account 3310) projects; and

un-reimbursed funds related to capital projects to relocate Company facilities due to highway relocations. (account 3310)

Effective Date: The DSIC will become effective for bills issued on and after January 1, 1997.

II. Computation of the DSIC

Calculation: The initial charge, effective January 1, 1997, will be calculated to recover the fixed costs of eligible plant additions that have not previously been reflected in the Company's rate base and will have been placed in service between September 1, 1996 and November 30, 1996. Thereafter, the DSIC will be updated on a quarterly basis to reflect eligible plant additions placed in service during the three month periods ending one month prior to the effective date of each DSIC update. Thus, changes in the DSIC rate will occur as follows:

<u>Effective Date Of Change</u>	<u>Date To Which DSIC Eligible Plant Additions Reflected</u>
April 1	February 28/29
July 1	May 31
October 1	August 31
January 1	November 30

The fixed costs of eligible distribution system improvement projects will consist of depreciation and pre-tax return, calculated as follows:

Depreciation: The depreciation expense will be calculated by applying to the original cost of DSIC-eligible property the annual accrual rates employed in the Company's last base rate case for the plant accounts in which each retirement unit of DSIC-eligible property is recorded.

Pre-tax return: The pre-tax return will be calculated using the state and federal income tax rates, the Company's actual capital structure and actual cost rates for long-term debt and preferred stock as of the last day of the three month period ending one month prior to the effective date of the DSIC and subsequent updates. The cost of equity will be the equity return rate approved in the Company's last fully litigated base rate proceeding for which a final order was entered not more than two years prior to the effective date of the DSIC. If more than two years shall have elapsed between the entry of such a final order and the effective date of the DSIC, then the equity return rate used in the calculation will be the equity return rate calculated by the Commission staff in the latest Quarterly Report on the Earnings of Jurisdictional Utilities released by the Commission and labeled Distribution System Improvement Charge Return in its Value Line Water Company Group analysis.

DSIC Surcharge Amount: The charge will be expressed as a percentage carried to two decimal places and will be applied to the effective portion of the total amount billed to each customer for service under the Company's otherwise applicable rates and charges, excluding amounts billed for public fire protection service and the State Tax Adjustment Surcharge (STAS). To calculate the DSIC, one-fourth of the annual fixed costs associated with all property eligible for cost recovery under the DSIC will be divided by the Company's projected applicable revenue for sales of water (including all applicable clauses and riders) for the quarterly period during which the charge will be collected, exclusive of revenues from public fire protection service and STAS. (C) (C) (C)

(C) Indicates Change

## DISTRIBUTION SYSTEM IMPROVEMENT CHARGE

Formula: The formula for calculation of the DSIC surcharge is as follows:

$$\text{DSIC} = \frac{(\text{DSI} \times \text{PTRR}) + \text{Dep}}{\text{PQR}} + \frac{e}{\text{PQR}} \quad (\text{C})$$

Where:

DSI= the original cost of eligible distribution system improvement projects, net of accumulated depreciation.

PTRR= the pre-tax return rate applicable to eligible distribution system improvement projects.

Dep= depreciation expense related to eligible distribution system improvement projects.

e= the amount calculated under the annual reconciliation feature or Commission Audit as described below. (C)

PQR= projected quarterly revenue will be based on the applicable three month period, (including all applicable clauses and riders) including revenue from existing customers plus revenue from any customers which will be acquired by the beginning of the applicable service period. (C)

Quarterly updates: Supporting data for each quarterly update will be filed with the Commission and served upon the Commission's Bureau of Investigation and Enforcement, the Office of Consumer Advocate and the Office of Small Business Advocate at least ten (10) days prior to the effective date of the update. (C)

### III. Safeguards

Cap: The DSIC will be capped at 7.5% of the amount billed to customers for service (including all applicable clauses and riders) under otherwise applicable rates and charges. (C)

Audits/Reconciliation: The DSIC will be subject to audit at intervals determined by the Commission. Any cost determined by the Commission not to comply with any provision of 66 Pa C.S. §§ 1350, et seq., shall be credited to customer accounts. It will also be subject to an annual reconciliation based on a reconciliation period consisting of the twelve months ending December 31 of each year or the utility may elect to subject the DSIC to quarterly reconciliation but only upon request and approval by the Commission. The revenue received under the DSIC for the reconciliation period will be compared to the Company's eligible costs for that period. The difference between revenue and costs will be recouped or refunded, as appropriate, in accordance with Section 1307(e), over a one-year period commencing on April 1 of each year, or in the next quarter if permitted by the Commission. If DSIC revenues exceed DSIC-eligible costs, such overcollections will be refunded with interest. Interest on the overcollections and credits will be calculated at the residential mortgage-lending rate specified by the Secretary of Banking in accordance with the Loan Interest and Protection Law (41 P. S. sec.101, et seq.) and will be refunded in the same manner as an overcollection. The utility is not permitted to accrue interest on under collections. (C)

DISTRIBUTION SYSTEM IMPROVEMENT CHARGE

**New Base Rates:** The charge will be reset at zero as of the effective date of new base rates that provide for prospective recovery of the annual costs that had theretofore been recovered under the DSIC. Thereafter, only the fixed costs of new eligible plant additions, that have not previously been reflected in the Company's rate base, would be reflected in the quarterly updates of the DSIC.

**Earning Reports:** The charge will also be reset at zero if, in any quarter, data filed with the Commission in the Company's then most recent Annual or Quarterly Earnings Report show that the Company will earn a rate of return that would exceed the allowable rate of return used to calculate its fixed costs under the DSIC as described in the Pre-tax return section. The utility shall file a tariff supplement implementing the reset to zero due to overearnings on one-days' notice and such supplement shall be filed simultaneously with the filing of the most recent Annual or Quarterly Earnings reports indicating that the utility has earned a rate of return that would exceed the allowable rate of return used to calculate its fixed costs. (C)

**Customer Notice:** Customers shall be notified of changes in the DSIC by including appropriate information on the first bill they receive following any change. An explanatory bill insert shall also be included with the first billing.

**All Customer Classes:** The DSIC shall be applied equally to all customer classes.

**Residual E-Factor Recovery Upon Reset To Zero:** The utility shall file with the Commission interim rate revisions to resolve the residual over/under collection or E-factor amount after the DSIC rate has been reset to zero. The utility can collect or credit the residual over/under collection balance when the DSIC rate is reset to zero. The utility shall refund any overcollection to customers and is entitled to recover any undercollections as set forth in Section III Safeguards – Audits/Reconciliations. Once the utility determines the specific amount of the residual over or under collection amount after the DSIC rate is reset to zero, the utility shall file a tariff supplement with supporting data to address that residual amount. The tariff supplement shall be served on the Commission's Bureau of Investigation and Enforcement, the Bureau of Audits, the Office of Consumer Advocate, and the Office of Small Business Advocate at least ten (10) days prior to the effective date of the supplement.

**Public Fire Protection:** The DSIC of a water utility will not apply to public fire protection customers.

**(C) Indicates Change**



**RULES AND REGULATIONS**

**INTRODUCTION**

**Effect of Rules and Regulations:**

1. These Rules and Regulations, filed as part of the Company's Tariff, shall govern the manner in which water service is provided to all Applicants and Customers. The Company may supplement these Rules and Regulations, and may revise and amend these Rules and Regulations from time to time subject to the approval of the Pennsylvania Public Utility Commission ("Commission"). The Company will follow Commission regulations not specifically addressed in these Rules and Regulations.

**Types of Service Provided.**

2. There are four general types of service that are provided by the Company, as follows:

"General Metered Service." Water service provided for general use by any of the following customer classes: residential, commercial, industrial, other water utility, or public. This type of service is also referred to as "domestic" service.

"Fire Service." Water service provided to an unmetered fire hydrant, whether public or private, or through a separately metered service line to be utilized exclusively for fire protection of a building and/or property.

"Qualified Private Fire Protection Service." Water service provided to an unmetered fire hydrant located in the public right-of-way which does not otherwise qualify for Public Fire Hydrant rates.

"Combined Fire & Domestic Service." Water service provided at the request of the Customer, subject to the Company's approval for all non-residential Customer classifications which utilize a single service line for both fire and domestic service. This service can be provided in accordance with the requirements of Rule 40 when the fire/domestic meter size is at least 4 inches.

In addition to the general application of these Rules and Regulation, special Rules for the provision of fire service are contained in Rules 40 through 49, and special Rules for the provision of Construction Service are contained in Rules 38 and 39.

Classes of General Metered Service:

3. There are five classes of general metered service, based on the nature of the Customer and the use of the property receiving service, as follows:

"Residential Class." An individually-metered dwelling unit intended for human habitation (including a detached house, rowhouse, townhouse, condominium and mobile home) or an individually-metered home or building consisting of not more than two dwelling units.

"Commercial Class." A building, store, restaurant or office which is primarily a site for the buying or selling of goods or the provision of professional or consumer services. In addition, apartments, condominium complexes, colleges, private and public schools, car washes, laundromats, construction sites, hotels, motels, and tanks filled at the Company's premise are included in this class.

"Industrial Class." A building or factory which is primarily a site for the manufacture or production of goods.

"Other Water Utility." A public water utility, municipal corporation or water authority which purchases water for resale to their customers.

"Public." A public building, library, park or playground which is owned by a governmental unit which has the power of taxation.

DEFINITIONS

4. The following words and phrases when used in these Rules and Regulations shall have the meanings given to them below:

"Applicant." A person who is not currently receiving service but has applied to the utility for service and whose name appears on the mortgage deed, or lease of the property for which service is requested.

"Auxiliary Water Supply." A water supply, other than that provided by the Company, that is on or available to the Customer's premises, including, but not limited to, a supply from another public water supply agency, from a natural source such as a well, lake or spring, or from a source containing used water or industrial fluids.

"Builder." Any person(s) requesting an extension to provide service to an existing lot or group of lots, either existing or to be subdivided, where service is to be provided to something other than a preexisting residential structure; namely, a newly constructed structure, structures to be constructed in the future, or to a preexisting non-residential structure.

**"Company."** Aqua Pennsylvania, Inc.

**"Company service line."** The service line owned by the Company that extends from the water main to the curb stop or curb line or such point as designated by the Company.

**"Construction Costs."** All direct and indirect costs attributable to the material and installation of the subject main extension, services and appurtenances, and/or removal of existing Company facilities (including the net book value of property replaced or retired), whether incurred by the Builder or the Company.

**"Construction Service."** Water service provided for construction purposes.

**"Curb Box."** A cylindrical device with a lid is normally placed by the curb which affords access to the curb stop. Normally, this device is initially installed by the Company, but may be subject to having its condition or position adjusted by natural forces or the work of the developer or a plumber. Accordingly, it is the responsibility of the Customer to maintain the Curb Box in a safe condition, or to notify the Company in writing to make the necessary repairs or relocation to the Curb Box or Curb Box lid.

**"Curb Stop."** A device owned, installed, maintained and controlled by the Company that can be turned to an open or closed position for the purpose of controlling the supply of water to the service property.

**"Customer."** A person listed on the account and whose primarily responsible for the utility bill OR adult occupant whose name appears on the mortgage, deed, or lease for the service address.

**"Customer service line."** The service line owned by the Customer that extends from the Curb Stop or curb line (or such point as designated by the Company) to the property or building to be served.

**"Depositor."** Any person(s) acting on behalf of Prospective Customer(s) for the purpose of entering into an Extension Deposit Agreement.

**"Meter."** A device furnished, installed and owned by the Company to register the consumption or use of water at the Customer's Property.

**"Meter Box/Vault."** A structure which is owned and maintained by the Customer, having been installed by an agent for the Customer, in accordance with Company specifications, for the purpose of housing the Meter outside of the Customer's building, at an underground location mutually agreed upon between the Customer and Company. It is the responsibility of the Customer, as the owner of the Meter Box/Vault to maintain the Meter Box/Vault and lid in a safe condition.

**"Metered Manifold"** A domestic service line that contains more than one metered service. When more than one meter is installed upon a Customer's premise at the request of a Customer or due to conditions existing upon the premise of the Customer, then each meter shall be treated separately as if it belonged to a separate Customer.

**"Plumbing Fixture Standards."** The water use standards that have been adopted by the Delaware River Basin Commission (at Resolution 88-2 Revised) and subsequently recommended by the Pennsylvania Public Utility Commission for plumbing fixtures installed in new construction and in existing structures undergoing renovations involving replacement of such fixtures, as follows:

<u>Plumbing Fixture</u>	<u>Water Use Standard</u>
showerheads	3.0 gallons/minute
lavatory faucet	3.0 gallons/minute
kitchen faucet	3.0 gallons/minute
water closets	1.6 gallons/flush
urinals	1.5 gallons/minute

**"Private Fire Hydrant."** A fire hydrant furnished, installed, owned and maintained by the Company that has been requested by an Applicant and approved by the municipality, but where the municipality has refused to accept payment of the applicable rate as set forth in the Company's rate schedule.

**"Property."** In general terms, a separate parcel of land owned in fee simple absolute, including any home(s), condominium(s), Home Owner's Association or building(s) affixed thereto, which is delineated by the description contained in the recorded deed, and which may be further delineated by any public roads.

**"Prospective Customer."** Any owner, tenant or lessee of a property that is expected to be receiving water service for at least one year following the commencement of water service.

**"Public Fire Hydrant."** A fire hydrant furnished, installed, owned and maintained by the Company that has been requested by the municipality, or requested by an Applicant and approved by the municipality, where the municipality has accepted responsibility for payment of the applicable rate as set forth in the Company's rate schedule.

**"Residential Structure."** When used with respect to metered Residential Fire Service, a home or building which contains only individually - metered dwelling units intended for human habitation.

**"Service Connection."** The installation by the Company of the Company service line. May also refer to the Company service line itself.

**"Special Devices."** Devices that are owned and maintained by the Customer on the Customer's plumbing system at the requirement of the Company. Special Devices include, but are not limited to, the following:

**"Backflow Preventor."** A device designed to prevent a potential backflow of contaminants from the Customer's activities or property into the Company's distribution system.

"Check Valve." A device designed to allow the flow of water only in one direction.

"Control Valve." A device designed to stop the flow of water when the valve is closed.

"Pressure Reducing Valve." A device designed to reduce the water pressure within the Customer's building below that which exists on the Company's distribution system.

"Pressure Relief Valve." A device designed to relieve pressure on the internal plumbing system of the Customer's property.

#### APPLICATION FOR SERVICE

##### *Notification of Change in Ownership or Occupancy at an Existing Service Property:*

5. Upon any change in ownership of property where the owner is the Customer, or in the tenancy where the tenant is the Customer, or in the type of service rendered, the Customer must so advise the Company, which shall thereafter have the right to discontinue the water supply until a new application has been made and approved for the new Customer.

##### *Application for Water Service by a New Owner or Occupant at an Existing Service Property:*

6. Where a Customer's water service line exists on a property to be served in compliance with the Company's rules, water service will be furnished by the Company as soon as reasonably practicable after written or oral application of the owner or tenant of the property or his properly authorized agent. The Customer receiving water service takes such service subject to the Company's Tariff, including its Rules and Regulations.

##### *Application for Water Service to a Proposed Service Property:*

7. Where an adequate water distribution main abuts the Customer's property, a service connection will be made as soon as reasonably practicable after the appropriate application forms have been completed by the property owner or his properly authorized agent and subsequently submitted to, and approved by, the Company. Where an adequate water distribution main does not abut the Customer's property, the Customer must make necessary arrangements with the Company's New Business Office for the extension of a water distribution main in accordance with the Company's Rules and Regulations. Service Connection application forms will be furnished by the Company on request.

**DEPOSITS**

**General:**

8. Deposits may be required from Applicants for service and existing Customers. Deposits collected shall have interest paid to the depositing Customer in accordance with the Commission regulations. Upon termination or discontinuance of service, the Company shall within 30 days apply the Customer's deposit, including accrued interest, to any outstanding balance and refund the remainder to the Customer.

**Deposit Not to Apply to a Current Bill:**

9. Any Customer having made a deposit shall currently pay bills for water service as rendered and the deposit shall not be considered as payment on account of a bill during the time the Customer is receiving water service. At the option of the Company, deposits may be used to pay delinquent bills for water service and, if appropriate, a new deposit may thereafter be required.

**BILLS AND PAYMENT**

**Methods of Payment:**

10. Bills are payable by mail, by direct debit, in person at any authorized pay agency or as otherwise authorized by the Company.

**Landlord Assumption of Responsibility:**

11. If an Applicant for service, who is a landlord, assumes responsibility for rates and charges related to water or wastewater service provided to tenants and is billed for such service, the landlord must assume responsibility and be billed for both water and wastewater service, if such service is provided or billed by the Company.

**Bills and Billing History:**

12. Bills based on estimated water use shall be subject to review upon the Customer's request and submission by the Customer of information as to unusual water use. In all other cases, billing shall be made as soon as practicable after the reading of respective meters. In the case of fire hydrants, bills will be rendered for each applicable period. Where a Customer receives water service during a period when a water meter is not installed at the Property, the Company may issue the Customer a bill based on the estimated usage for that period. A Customer may obtain from the Company, at no charge to the Customer, the billing history for up to ten accounts per year in the name of the Customer, provided that the Customer submits a written request for such information directly to the Company. Additional requests will be processed subject to the Company's right to charge the Customer its incremental costs of providing such billing histories.

**Delinquent Bills:**

13. If a rendered bill remains unpaid for a period of 20 days for residential customers or 15 days for non-residential customers, it shall be classified as delinquent. However, if the last day of such period falls on a Saturday, Sunday, a holiday or day when the Company's offices are closed, the delinquency date shall be the next succeeding business day. Payments by mail will be deemed made on the date of the postmark. Payments to the Company drop box or authorized payment agent will be deemed received when paid at that location. Service may be terminated for non-payment of bills in accordance with the Commission's regulations. If service is thus terminated it will not be restored until all outstanding charges provided by the Commission's regulations and the tariff of the Company are paid or satisfactory arrangements are entered for payment. If a dispute of a water bill has arisen as defined in the Commission's regulations, the Customer is responsible for paying the undisputed portion of such bill and termination of service may occur if the undisputed billings become delinquent.

**Late Payment Charge:**

14. If payment has not been received by the Company for five days after the bill has been classified as delinquent, a late charge (penalty) of 1.25% will be applied to the account and such late charge (penalty) will be calculated every thirty days thereafter only on the overdue portion of the bill excluding previous late charges (penalties), and in no event shall the late charge (penalty) exceed more than 18% annually (simple interest).

**Return Check Charge:**

15. The Customer will be responsible for the payment of a charge of \$20.00 per incident where a check, which has been presented to the Company for payment of any bill, is returned by the bank for any reason including, but not limited to, non-sufficient funds, account closed, payment stopped, two signatures required, post dated, stale date, account garnished, no account, drawn against uncollected funds, balance held, and unauthorized signature. This charge is in addition to any and all charges assessed against the Customer by the bank. If a Customer's account shows a history of submitting payments that have been returned for insufficient funds or any other reason outlined above, the Company may require deposit or turn-on charges to be paid by cash, certified check, money order, or credit card.

**Turn-on Charge:**

16. When service has been terminated to any premise because of violation of the Company's Rules and Regulations or at the Customer's request, a charge of \$50.00 payable in advance, will be made for restoration of service. If the Customer request for restoration of service requires the Company to incur overtime or holiday costs, the Company reserves the right to bill the Customer for the additional cost incurred. If the Company incurs out of the ordinary expense to affect termination of service for non-payment of bills or due to lack of access to the Company's facilities, the Customer must reimburse the Company for those expenses in addition to the \$50.00 turn-on charge prior to service reconnection.

**Turn-off at Customer's Request:**

17. Customers desiring to avoid payment for water service during periods when Properties are vacant or during extended absences shall give notice in writing at the office of the Company requesting the water to be shut off. If a minimum charge or Customer charge for water use is applicable, the bill will be based on the proportion that the period when water service was available bears to the entire period on which such minimum charge or Customer charge is based. Metered consumption in excess of such adjusted minimum shall be billed at normal rates.

**SERVICE CONNECTIONS****Company's Service Lines:**

18. Except for service connections made in accordance with Rule 63, the Company will make all connections to its mains and furnish, install and maintain the Company's service lines from the main to and including the Curb Stop, which under normal circumstances will be placed inside the curb-line. The Company's service line will be the property of the Company and under its control. The point of delivery and sale for any water service furnished to the Customer shall be at the Curb Stop.

The maximum Company investment per Company service line shall be as follows:

<u>Size of Service</u>	<u>Maximum Investment</u>
1 1/2 inches in diameter or less	\$ 3,000
Greater than 1 1/2 inches but not to exceed four inches	\$ 6,000
Greater than 4 inches	\$12,000

The cost of any Company service line in excess of the applicable maximum Company investment shall be paid by the Customer, plus all applicable taxes including income taxes occasioned by the contract. Any amount paid by Customer shall not be subject to refund. The Company may require payment of the estimated amount of such excess cost in advance of the installation and will make a partial repayment to the extent the actual cost is determined to be less than the estimate.

Whenever it is necessary to install a service line in advance of the date on which the premises are occupied and a meter is set, a deposit may be required in an amount not to exceed the estimated cost of installation, which deposit will be refunded to the depositor when the service becomes active (i.e., the meter has been set and the premises occupied), provided that event occurs within five years from the date of deposit.

**Customer's Service Line:**

19. The Customer's service line shall extend from the Property to the Curb Stop or curb line or such point as designated by the Company. All connections, service lines and fixtures owned by the Customer shall be maintained by the Customer in good order, and all meters and appurtenances owned by the Company and located on the Property of the Customer shall be protected properly by the Customer. All leaks in or other deteriorated condition of the Customer's service line or any other pipe or fixture in or upon the premises supplied must be repaired immediately by the owner or occupant of the premises.



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Size, Kind and Location of Service Line:

20. The Company reserves the right to determine the size, kind and location of the service line, from the main to the curb, and from the curb to the property to be served. However, the determination of the size of the fire service line shall be the responsibility of a professional engineer or similar professional retained by the Customer. The Customer's service line shall not cross intervening properties unless the property is landlocked and there is no other way in which service can be provided (for example, because the property does not abut a public road) and an appropriate easement is obtained by the Customer for the Customer's benefit, a copy of which must be furnished to the Company. The service line from the curb stop to the property shall be furnished, installed, owned, and maintained by the owner of the property, and where possible shall be laid in a straight line at right angles to the curb line within the building limits of the structure to be served and at least four feet below the surface of the ground in property owned in fee simple absolute. Type K Copper shall be used throughout for service lines up to three inches in diameter. Service lines over three inches in diameter shall be cement-lined ductile or cement-lined cast iron pipe. The minimum size of the Customer's domestic service line shall be 3/4 inch in diameter. The Company reserves the right to inspect the installation of the Customer's service line to ensure its conformity with the specifications in this paragraph.

Separate Trench:

21. No water service line shall be laid in the same trench with a gas pipe, electric line, drain or sewer pipe, or any other facility of another public service company, nor within three feet of any open excavation, retaining wall or vault.

Renewal of Company Service Line:

22. Where renewal of the Company's service line from the street main to the curb is found to be necessary in the Company's opinion due to age or condition, the Company will renew said service in the same location as the old one at its own expense. If, in connection with such renewal, the property owner, or Customer, for his own convenience, desires the new service line to be installed at some other location or in a larger size and agrees to pay all expenses of such work in excess of the cost of renewing the originally-sized service line in its original location, the Company will install the new service line at the location desired, provided that the new line complies with all applicable Rules and Regulations.

Replacement or Abandonment of Company Service Line:

23. Where the Company service line needs to be replaced, relocated, removed or abandoned for the convenience of the Customer or due to any reason other than a routine Company renewal due to age or condition, the Company will perform such work and the Customer shall pay all expenses in connection with such work.

**Company Not Responsible:**

24. The Company shall in no event be responsible for the condition of, or for maintaining or replacing, any portion of the Customer's service line or other lines or fixtures on the Customer's property, or for damage done by water or other matter passing through said lines or fixtures or escaping therefrom. The Customer shall at all times comply with all federal, state, local and municipal laws, codes and regulations with reference thereto, and make changes therein, required on account of change of grade, relocation of mains, or otherwise.

**Single Service Line for each Property:**

25. A Customer's service line (whether fire or domestic) shall not supply more than one property, as hereinafter defined, but any such property upon proper application of the owner may be supplied by two or more metered service connections, each of which for billing purposes shall be considered as being separate customer accounts, and provided that the supply of each such service connection has an individual control valve at or near the curb. A separate service line shall be required for each of the following types of "property", as defined herein:

- (a) A residential dwelling unit - either detached, or one side of a double house, or a house in a row of houses; provided, that a garage, a conservatory and similar features incidental to the family life shall be considered as a portion of the dwelling.
- (b) A building or complex of buildings containing residential dwelling units not divided by a public road or property line, which are either rental apartments, condominiums, or cooperative units and the commercial and service facilities incidental thereto.
- (c) An industrial, commercial or manufacturing establishment held in common ownership and not divided by a public road or property line and not covered by subparagraphs (b) and (d) of this Rule 25.
- (d) Each of the premises within a single building (stores or offices or any combination thereof) entirely separated from other premises within said building by a party wall or walls.
- (e) A detached building comprised of stores or offices or any combination thereof, not separated by a party wall or walls.
- (f) A Housing Development owned and operated as a unit by the United States Government.

**Single Service Line with Two or More Customers:**

26. Where two or more Customers are now supplied through a single service line, any violation of the Rules and Regulations of the Company, with reference to either or any of said Customers, shall be deemed a violation as to all, and unless said violation is corrected after reasonable notice, the Company may take such action as can be taken for a single Customer, except that such action will not be taken until either or all of said Customers who have not violated the Company's Rules and Regulations have been given a reasonable opportunity to apply to the Company for separate service lines in accordance with these Rules and Regulations.

METERS

Responsibility for Meter and Meter Box/Vault

(C)

27. All Company meters will be furnished, installed and owned by the Company and remain the property of the Company and be accessible to and subject to its control.

Meter boxes/vaults shall be owned, furnished, installed, and maintained by the Customer, unless otherwise agreed to by the Company. At the Company's discretion the Company has the right to install a meter box/vault for a Customer's property.

(C)

All Services to Be Metered:

28. A meter shall be installed on each domestic and on each fire service line owned by the Customer. The Company reserves the right to determine the size and type of meter to be installed in the Customer's property, including whether such meter shall be a manual read meter or a meter that can be read remotely from outside the building being served, or automatically using TV cable, telephone, or similar lines or radio signal communication. As a condition of providing service and continuing to provide service, the Company shall have the right to install such equipment, connections and wiring in the manner and location it deems appropriate. The equipment necessary to read meters using the designated mode of communication will be installed by the Company and will remain the property of the Company.

Location:

29. For new construction the meter shall be required to be installed outside the building in a meter box/vault. The location of the meter box/vault shall be subject to the express approval of the Company; in most cases, the meter box/vault shall be located inside the property line by the Customer.

(C)

For existing premises and circumstances, subject to the Company's approval, a meter may be set within the structure to be served, at a location approved by the Company, after the Customer has had the plumbing arranged (including the installation of special devices if required by the Company) to receive the meter at a convenient point inspected and approved by the Company so as to control the entire supply of water to the property.

(C)

In cases where the meter is located outside the building, a concrete vault, with a suitable iron cover, or other approved meter box, shall be located inside the property line by the Customer. The size and dimensions of the vault or box shall be as approved by the Company, give adequate access to the meter, and permit its installation or removal. When a concrete vault is used, a 10 foot wide (min.) paved surface from the road to the vault, including curb depression, must be provided and maintained for vehicle access. The Company has the authority to require a Customer or owner, at their expense, to install a meter box/vault where there has been unauthorized use of water after the Company shut off service and the Customer or owner, or their agent, has restored the service without authorization.

(C)

Aqua Pennsylvania, Inc.

Supplement No. 132  
To  
Water-PA. P.U.C. No. 1  
Ninth Revised Page No. 32  
~~Canceled Eighth Revised Page No. 32~~

(C)

**Valves Required:**

30. A Control Valve shall be placed by the Customer on the service line on the inlet and outlet sides of the Meter. When required, a suitable Check Valve should be placed by the Customer between the meter and the Control Valve on the outlet side of the Meter. When a Check Valve, backflow preventor or Pressure Reducing Valve is installed, the Customer shall install a Pressure Relief Valve or thermal expansion tank (to be sized and designed by the Customer or his agent) at some convenient point on the house piping to relieve pressure fluctuations and/or excess pressure due to heating water. In accordance with the specifications of the Company, the Customer shall install a pressure reducing valve (PRV), to be set at a pressure not to exceed the applicable limits, as follows: 1) on the domestic service line when the pressure on the Company's distribution system exceeds 80 pounds per square inch (psi); 2) on the residential fire service line when the pressure exceeds 100 psi; 3) on the commercial fire service line when the pressure exceeds 150 psi; or 4) when required in the discretion of the Company where it is believed that the pressure may exceed either limit. The Customer or his authorized agent shall check with the Company to determine whether a Pressure Reducing Valve is required prior to finalizing the design of the internal plumbing system. In all cases, the Pressure Reducing Valve must be installed at an approved location after the inlet control valve and before the Meter, but in the case of the domestic service line an additional Control Valve must be installed between the PRV and the Meter. When approved for a manifold set-up, the inlet control valve (2-inch and smaller) that abuts the meter must be a full-port, locking ball device.

(C)

**Responsibility for Damage:**

31. Meters and other related equipment owned by the Company will be maintained by the Company so far as ordinary wear and tear are concerned; but the cost to repair damage caused by the Customer or due to freezing, hot water or causes not within the reasonable control of the Company shall be paid by the Customer.

**Cost of Reinstallation:**

32. The charge for the reinstallation, reconnection or changing of a Meter or other related equipment owned by the Company when removed by the Customer or because of damage in any way due to the negligence or intentional conduct of the Customer shall be assessed against the Customer at cost.

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Minimum Charge/Customer Charge:

33. In Divisions with a minimum charge and a water allowance, customers will be subject to a fixed minimum charge in accordance with the rates thereof, for which certain quantities of water will be allowed, without additional charge. Such minimum charges shall be non-refundable for non-use of water, and non-cumulative against subsequent consumption. In the case of fractional bills covering less than a billing period, minimum charges and allowances shall be prorated.

In Divisions with a customer charge and no water allowance, customers will be subject to a fixed customer charge in accordance with the rates thereof, for which no quantity of water will be allowed without additional charge. The customer charge will be non-refundable and payable whether or not the customer uses any water. In the case of fractional bills covering less than a billing period, the customer charge shall be prorated.

Company Notified Meter Not Working:

34. The Customer shall immediately notify the Company of damage to or the non-working of the meter, as soon as it comes to his/her knowledge.

Registration Conclusive:

35. The quantity recorded by the meter shall be conclusive on both the Customer and the Company, except when the meter has been found to be registering inaccurately or has ceased to register. In such case, the quantity may be determined by the average registration of the meter when in order.

Disputed Account:

36. In case of a disputed account involving the accuracy of a meter, such meter will be tested upon the request of the Customer in conformity with the regulations of the Commission. In the event that the test of the meter shows an error in registration in excess of the permissible range, an appropriate adjustment to the bill will be made in accordance with the Commission's regulations. Bills will not be adjusted if the meter tests within the permissible tolerance limit.

Request Test:

37. Upon a written request of a Customer, or that of the Customer's authorized representative, the Company shall test the accuracy of the meter in service at the involved premises. When a Customer desires, either personally or through a representative, to witness the testing of a meter, the meter may be required by the Customer to be sealed before removal, in the presence of the witness, which seal shall not be broken until the test is made. If the meter so tested is found to be accurate within the limits specified above, a fee determined from the schedule provided in the Commission's regulations shall be paid to the Company by the Customer requesting such test, but if not so found then the cost thereof shall be borne by the Company. When making such requests, the Customer shall agree to the basis of payment herein specified. A report of such test shall be made to the Customer and a complete record of such test shall be kept as specified in the Commission's regulations. The results of such tests shall be conclusive upon the Company and Customer unless a written objection thereto is received by the Company or Customer, as appropriate, within thirty days of notice of the test results. If the meter tested is found to be accurate, the Company has the absolute right to re-install that same meter at the Customer's property.

**CONSTRUCTION SERVICE**

**Metered Building Construction Service:**

38. Where service has been requested by a Builder for purposes of construction of a building to be served by the Company, and service is to be provided through a Company service line that will be retained to provide service to the building after construction is completed, metered water service shall be provided. Each such metered service will be subject to these Rules and Regulations and the charges for Commercial Service shown in the rate schedule. Installation of the Company Service Line shall be in accordance with the "SERVICE CONNECTIONS" provisions of this tariff.

**Temporary Metered Construction Service:**

39. Where metered service is required or requested for temporary construction purposes, or where the Company Service Line will not be retained to provide service after construction, the Applicant shall pay the estimated cost of installation and removal of the service line, which costs are not refundable. In addition, the Applicant shall pay a deposit for the Meter, which will be refunded upon return of the Meter. Each such metered service will be subject to these Rules and Regulations and the charges for Commercial Service shown in the rate schedule.

**METERED FIRE SERVICE**

**Metered Fire Service for Non-Residential Structures:**

40. For automatic fire sprinklers or other automatic fire service devices located inside of a non-residential structure or for fire hydrants located on a fire service line, a separate service line will be required to be used exclusively for fire service when Combined Fire and Domestic Service rule (see rule #2) does not apply. Each such fire line shall be metered and subject to the charges shown in the rate schedule. Subject to the approval of the Company, fire hydrants that are owned and maintained by the Customer outside of buildings may be connected to said service line, provided they are located downstream of the Meter and backflow prevention device. The Customer will be responsible for paying the Company for the cost of installing the Company service line in excess of the maximum Company investment, as set forth in Rule 18 of this tariff. Company reserves the right to refuse an application for metered fire service where, in the judgment of the Company, the size and pressure of the street main is not sufficient to render proper service. The Customer shall be responsible for the design and sufficiency of the fire protection system (including the installation of a pressure tank and pumps, if required) and shall submit appropriate certification of such to the Company at the time of application. The Customer shall not use a dedicated fire line for domestic service and shall not allow a cross-connection between the domestic and fire systems. The Company shall have the right to require special devices as deemed necessary on Customer fire service lines. Meters for fire service will be furnished and maintained by the Company. Meters will be located as specified by the Company on the Property of the Customer, and if vaults are required, they shall be constructed and maintained in accordance with the Company's specifications at the expense of the Customer.

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Metered Fire Service for Residential Structures:

41. To obtain service for automatic fire sprinklers or other automatic fire suppression related devices located inside a Residential Structure, the Customer must install a separate Customer fire service line from the curb to the fire protection system. Each such fire line shall be metered in accordance with the Company's Rules and Regulations. Both the Customer's fire service line and domestic line shall be connected to a single Company service line. To accommodate service to the Customer's fire line in addition to the domestic line, the Company will install a larger Company service line than it would otherwise install. The Customer will be responsible for paying the Company for the costs of upsizing the Company service line and appurtenances, and for the cost of the fire meter and its installation, together with any and all applicable taxes. Recovery of these costs by the Company shall be achieved through the application of the Company's rate schedule for "Residential Multiple Meter Sets", which shall be applicable to all Residential Structures equipped with residential fire service under these Rules and Regulations. The Company reserves the right to refuse an application for automatic fire service where, in the judgment of the Company, the size and pressure of the street main is not sufficient to render proper service. The Customer shall be responsible for the design and sufficiency of the fire protection system (including the installation of a pressure tank and pumps, if required) and shall submit appropriate certification of such to the Company. The Customer shall not use the fire line for domestic service and shall not allow a cross-connection between the domestic and fire systems. The Company shall have the right to require special devices as deemed necessary on residential fire service lines.

## UNMETERED FIRE SERVICE/HYDRANTS

## Payment of Applicable Rate:

42. All fire hydrants installed by the Company are subject to the payment of the applicable rate. A hydrant will not be installed without the request or the approval of the appropriate municipality. If the municipality agrees to pay the applicable rate, the hydrant shall be a public fire hydrant; otherwise a private entity must agree to pay the applicable rate in which case the hydrant shall be a private hydrant. In the event the applicable rate is not paid, the Company, at its option, may remove the hydrant.

## Payment of Installation Costs:

43. (a) Hydrants installed on new or proposed water mains: All fire hydrants, whether public or private, to be installed in connection with a main extension shall be paid for by the applicant or depositor pursuant to the Company's Extension Deposit Agreement.

(b) Hydrants installed on existing water mains: The installation costs of all private fire hydrants to be installed on an existing water main shall be paid for by the Applicant. The installation costs of a public fire hydrant to be installed on an existing water main shall be paid for by the Company provided that no existing fire hydrant is located within a 600-foot radius of the requested fire hydrant, and provided that all other Rules and Regulation of the Company are complied with. Fire hydrants requested at closer intervals of spacing shall be reviewed by the Company and these installations shall be paid for by the municipality or Applicant. Payment for the installation of a fire hydrant shall include the entire cost for material and installation and all applicable taxes pursuant to an agreement prepared by the Company.

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**Hydrant Location:**

44. Upon written request to the Company's New Business Office from the duly authorized officials of any municipality supplied by the Company, the Company (subject to its Rules and Regulations on the payment of installation costs and the applicable rate), will install a standard fire hydrant at a location mutually agreed upon by the municipality and the Company, provided that the size of the existing main and surrounding distribution system and the available pressure and flow in said main is, in the judgment of the Company, sufficient to enable the provision of proper service at the fire hydrant under normal and ordinary conditions. Where a requested fire hydrant would be connected to a water main located in the public right-of-way, the hydrant shall be located within close proximity to the nearest curb line, and where a requested fire hydrant would be connected to a water main located in an easement held by the Company, the hydrant shall be located within that easement area.

**Availability of Supply**

45. With regard to public fire hydrant service or private hydrant sprinkler and hose service, the Company shall have no greater duty than to supply only such volumes of water at such pressures as may be available at the time of operation.

**Maintenance and Obstructions:**

46. All fire hydrants owned by the Company will be maintained by the Company. Said maintenance shall include, but not be limited to, painting as required. Painting of hydrants by parties other than the Company personnel or its authorized contractor is strictly forbidden. The Company shall not be responsible for the condition of the hydrant following intervening use by a fire department or any authorized or unauthorized person.

It is the responsibility of the Customer paying the fire hydrant rental to keep the area directly surrounding the hydrant free of all obstructions (including, but not limited to trees, bushes, snow, dirt, mailboxes or other obstructions) that would impact the safe operations or would not allow the hydrant to be easily seen from or accessed by an emergency vehicle.

Municipalities, at their own expense, are allowed to attach marking devices on public fire hydrants owned and operated by the Company to facilitate the location of such hydrants. The Company shall be notified in advance of the municipality's plans to install hydrant markers and will permit plan designs that are consistent with normal, intended, and safe operation of such hydrants. Municipalities that take advantage of this provision shall be responsible for the maintenance of all markers that they install.

**Allowable Use:**

47. Only persons authorized by the Company shall take water from any fire hydrant, except for the use of the Fire Department in case of fire, and no fire hydrant shall be used for any reason other than fire purposes without the consent of the Company.

**Change of Location:**

48. Whenever a municipality desires a change in the location of any fire hydrant, the Company, upon written notice from the municipality to the Company's New Business Office, will make such change at the expense of the municipalities pursuant to an agreement prepared by the Company.

**Inspection:**

49. In addition to its periodic program of inspection and testing, the Company will, upon request of the duly authorized officials of any municipality, make inspections of specific hydrants at convenient times and at reasonable intervals to determine the condition of the fire hydrant in question. Inspections shall be made by a representative of the Company and a duly authorized representative of the municipality.



**RESPONSIBILITY FOR SERVICE**

**Liability of Company:**

50. In the course of furnishing service that needs to be adequate, but not perfect, it is recognized that there will be times when service is subject to interruption or disruption as a result of water main breaks, the failure of equipment or facilities, and for other reasons. Accordingly, the liability of the Company shall be limited to \$2,000 in any legal action brought against the Company for damages in connection with: 1) a service interruption or delay, or cessation or lack of adequate, efficient, safe and reasonable service and facilities; and/or 2) a failure of equipment or supply, including, but not limited to, a break or leak in a water main, service line or Meter owned by the Company.

In any legal action where a court does not recognize, or is being asked to interfere with or hamper, the jurisdiction of the Commission to authorize limitations of liability or to exclusively determine whether the service and facilities of a public utility are in conformity with the regulations and Orders of the Commission, the public utility may certify to the Commission the question of the appropriateness of such court action by filing a petition for declaratory judgment with the Commission.

Furthermore, the Company shall not be liable in any action where the loss or damage involves an act of God or does not involve a duty of the Company, including breaks or leaks on facilities that are not owned by the Company, such as breaks, leaks, defects or conditions in the Customer's own service line, Meter vault, internal plumbing or fixtures, or due to the materials out of which those facilities are made. Further, the Company shall not be liable in any action where the loss or damage does not involve a breach of a duty of the Company, including where the Company does not receive actual notice, either written or oral, that a Company facility (located within the public right-of-way, in a sidewalk or on a Customer's property) is in need of repair, such as the condition or elevation of a curb box or valve box that is not proven to have been in that condition at the time of installation or that is caused by a plumber, developer, or the person or event.

**Complaints:**

51. Complaints with regard to the character of the service furnished or the reading of Meters, or of the bills rendered, must be made at the Company's office either orally, by telephone, in person with appointment, or in writing, and a record of such complaint will be kept by the Company, giving the name and address of the complainant, the date, the nature of the complaint and the response. In person appointments must be scheduled prior to arrival at the Company offices.

**SYSTEM INSPECTION AND INTEGRITY**

**Inspections:**

52. All pipes, Meters, special devices and fixtures shall be subject, at all reasonable hours, to inspection by properly identified employees of the Company. In addition, the Company shall have the right, upon reasonable notice and at reasonable times, to gain access into the Customer's premises for the purpose of taking water samples in order to determine the quality of the water. No plumber, owner or other unauthorized person shall turn the water on or off at any corporation stop or Curb Stop, or disconnect or remove the Meter without the consent of the Company. No agent or employee of the Company has authority to bind it by any promise, agreement or representation not provided for in these Rules and Regulations.

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**Right to Refuse Connections:**

53. The Company may refuse to connect with any piping system or furnish water through one already connected: 1) if the Customer's service line is not a sufficient depth to prevent freezing or is installed in too close proximity to any other utility line; 2) if lead-based solder or a lead-based fixture has been used in the Customer's plumbing system in contravention of any national, state or local regulation; 3) where the intended use of the water delivered to the Customer's Property would involve the return of water directly back to the Company's distribution system; 4) where the Customer's water service line is connected to a separate or auxiliary water supply that could constitute a cross-connection; or 5) if such system has not otherwise been properly installed and maintained. It shall be the Customer's responsibility to assure compliance with these requirements. The Company may, from time to time, require the Customer to provide verification that the Customer's piping system complies with these requirements.

**Cross-Connection Control:**

54. A cross-connection is created when a Customer connects to the Company's distribution system. To prevent contamination of the public water supply from a cross-connection, all new Customer connections to the Company's distribution system must be equipped with backflow prevention, cross-connection control or other special device approved by the Company and furnished, installed, and maintained at the Customer's expense in accordance with Company specifications and at a location and in the manner approved by the Company. A Customer with an existing connection to the Company's distribution system will furnish, install, and maintain a Company approved backflow prevention, cross-connection control, or other special device at the Company's request. The furnishing, installation, and maintenance of the backflow prevention, cross-connection control or other special device at existing connections will be made at the Customer's expense in accordance with Company specifications and at a location and in the manner approved by the Company. The Company shall have the right, upon reasonable notice and at reasonable times to conduct surveys and investigations of water use and practices at a Customer's premises to determine the backflow prevention, cross-connection control or other special device appropriate for Customer's connection. In addition, the Customer shall be required, at such Customer's expense, to comply with the yearly testing and overhauling requirements of the Company for backflow prevention, cross-connection control or other special devices. The Company may authorize persons (with the appropriate training or certification) to inspect premises, perform installations and testing of such special device or make corrections of adverse existing conditions. A yearly administrative fee of \$5.00 will be required per return certification.

**TERMINATION OF SERVICE**

**By Company:**

55. Service may be terminated for any of the following reasons which shall constitute a violation of the Rules and Regulations of the Company:

- (a) For the use of water for any other Property or purpose other than that described in the application.
- (b) For willful waste of water through improper or imperfect pipes, fixtures or otherwise, including failure to promptly repair a leak on the Customer service line.
- (c) For molesting any service pipe, Meter, Meter interface unit, curb stop or seal, or any other appliance of the Company.
- (d) For neglecting to make or renew deposits, or for non-payment of any charge accruing under the Company's tariff or Rules and Regulations.
- (e) For refusal of reasonable access to Property for purposes of inspecting or for reading, caring for, removing, or installing Meters, including remote and automatic Meters and the associated wiring and connections to the Customer's telephone line.
- (f) For making, or refusing to sever, any cross connection between a pipe or fixture carrying water furnished by the Company, and a pipe or fixture carrying water or other substances from any other source.
- (g) For failing to comply with the inspection, installation, maintenance or testing requirements of the Company under its back-flow prevention and cross-connection control program instituted for the purpose of protecting the public water supply.
- (h) For vacancy of a premises.
- (i) For failure to make payments under the Company's Water System Connection Loan Program, as described in Rule 64.
- (j) For violation of any other Rules or Regulations of the Company.
- (k) For violation of Pennsylvania law (Criminal Code 18 PA C.S.A. Section 3926) which prohibits the activation of a public utility service line without a measuring device (water Meter).
- (l) For any other reasons set forth in the Commission's regulations.

Service termination will be performed in the manner prescribed by the Commission's regulations. In addition, service may be terminated for nonpayment of a sewer bill upon proper request of the Sewer System and receipt of a \$35.00 fee per account.

**Turn-Off Without Authority:**

56. The Customer shall not turn the water on or off at any corporation stop or Curb Stop, or disconnect or remove the Meter, or permit its disconnection or removal, without the consent of the Company.

**Due to Emergency:**

57. As necessity may arise in case of breakdown, emergency, or for any other unavoidable cause, the Company shall have the right to cut off the water supply temporarily, in order to make necessary repairs, connections, etc.; but the Company will use all reasonable and practical measures to notify the Customer of such discontinuance of service. The Company shall not be liable for any damage or inconvenience suffered by the Customer or any claim against it at any time for interruption in service, lessening of the supply, inadequate pressure, poor quality of water, or for any causes beyond its control. When a supply of water is to be temporarily cut off, notice will be given, when practicable, to all Customers affected by the shutting off, stating the probable duration of the interruption of service, and also the purpose for which the shut-off is made.

**WATER CONSERVATION AND DROUGHT EMERGENCY**

**Water Conservation Contingency Plan:**

58. (a) **General:** The Company shall have the right to reserve a sufficient supply of water at all times in its reservoirs, to provide for fire and other emergencies, or may restrict or regulate the quantity of water used by the Customer in case of scarcity, or whenever the public welfare may require it. If the Company is experiencing a short-term supply shortage, the Company may request general conservation measures to reduce or eliminate nonessential uses of water.

(b) **Voluntary Conservation:** The Company shall first request voluntary curtailment of all nonessential uses of water.

(c) **Mandatory Conservation:** If voluntary cooperation does not achieve satisfactory results, mandatory compliance with a ban on nonessential uses will be imposed. If any customer refuses to comply with such mandatory measures, the Company may adjust the outside water valve connection in a manner which will restrict water flow by up to 1/2, otherwise restrict flow such as by the insertion of a plug device, or terminate service.

(d) **Nonessential uses of water may include, but are not limited to, the following items:**

- (1) The use of hoses, sprinklers, or other means for sprinkling or watering of shrubbery, trees, lawns, grass, plants, vines, garden, vegetables, flowers, or any other vegetation.
- (2) The use of water for washing automobiles, trucks, trailers, trailer houses, or any other type of mobile equipment.
- (3) The washing of streets, driveways, parking lots, service station aprons, office buildings, exteriors of homes, sidewalks, apartments, or other outdoor surfaces.

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- (4) The operation of any ornamental fountain or other structures making a similar use of water.
- (5) The use of water for filling of swimming or wading pools.
- (6) The operation of any water-cooled comfort air conditioning which does not have water-conserving equipment.
- (7) The use of water from fire hydrants for construction purposes or firedrills.
- (8) The use of water to flush a sewer line or sewer manholes.
- (9) The use of water for commercial farms and nurseries other than a bare minimum to preserve plants, crops, and livestock.

(e) **Water Rationing Plan:** In addition to the provisions as set forth above, the Pennsylvania Emergency Management Agency is authorized to promulgate, adopt, and enforce a Water Rationing Plan by virtue of the Emergency Management Services Code, 35 Pa. C.S.1701 et seq. as implemented by the Drought Emergency Proclamation dated November 6, 1980.

(f) **Excess Use Charges:** In the event of a drought emergency (as declared by a river basin commission and/or by a proclamation or executive order issued by the Governor), the Company is authorized to collect fines and/or excess use charges set forth in its Local Water Rationing Plan as filed with and approved by the Pennsylvania Emergency Management Agency.

#### MAIN EXTENSIONS

##### Main Extensions to Existing Residential Structures:

59. Where an adequate water distribution main does not abut a prospective Customer's Property such that a service connection cannot be made to serve such Property in accordance with these Rules and Regulations, the prospective Customer (or an authorized agent for the prospective Customer) must apply to the Company for a main extension.

Any required or requested main extension to serve a prospective Customer at a preexisting structure will be paid for by the Depositor in accordance with the provisions of the subsections below:

(a) When an extension to serve a prospective Customer is required or requested, such extension will be made under the terms of an "Extension Deposit Agreement". The Company shall have the exclusive right to determine the type, the material, the size, the routing and the location of mains to be installed and the other facilities required to render adequate service. No main(s) smaller than 6" in diameter shall be installed.

(b) The terminal point of the required extension shall be a point in the curb line equidistant from the side building lines of the last building or dwelling to be served. As a further condition of extending the existing distribution mains, the Company shall be provided with, at no cost to the Company, any rights of way, temporary construction easements or permanent construction easements necessary to complete the extension of the distribution mains, Company service line(s), appurtenances and other facilities, or to provide future access for repair, maintenance, replacement, or for other related reasons.

(c) The Company reserves the right to require the Depositor to pay for the extension of the main beyond the last building in a street in order to connect to an existing main which would provide more adequate and reliable service.

(d) The prospective Customer must have complied with all other conditions of service provided elsewhere in these Rules and Regulations in order to receive water service from the main extension.

Any required or requested main extension to serve a lot or lots that do not contain an existing residential structure shall be installed by the Builder in accordance with the provisions of Tariff Rule 63.

#### MAIN EXTENSIONS FOR BONA FIDE SERVICE APPLICANTS

##### 60. Bona Fide Service Applicants:

(A)(1) Where an adequate water distribution main does not abut a Bona Fide Service Applicant's Property such that a service connection cannot be made to serve such Property in accordance with these Rules and Regulations, the Bona Fide Service Applicant (or an authorized agent for the Bona Fide Service Applicant) must apply to the Company for a main extension. Such extension will be made under and pursuant to the terms of an Extension Deposit Agreement for the Bona Fide Service Applicant and subject to the applicable provisions of these Rules and Regulations. The construction of facilities to serve such Bona Fide Service Applicant will not commence until an Extension Deposit Agreement for Bona Fide Service Applicant has been executed and all applicable terms and conditions therein have been satisfied by the Applicant.

(2) In conjunction with executing an Extension Deposit Agreement, a Bona Fide Service Applicant shall deposit with the Company an amount totaling \$1,000, representing a Service Line Deposit. Such amount shall be refunded to the Applicant within 90 days after the Applicant's requesting and receiving water service from the Company, provided, however, that if the Applicant does not request connection to the Company's main extension within six months of the completion of the main extension, the Service Line Deposit shall become non-refundable.

(3) Where a proposed main extension is capable of serving multiple structures or facilities and at least 80% of the potential Customers who could receive service from the main extension become Bona Fide service Applicants and satisfy all applicable terms and conditions of the foregoing provisions, the Customer Advance, if any, required of each Bona Fide Service Applicant shall be calculated as if 100% of such potential Customers had become Bona Fide Service Applicants.

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(4) For a period of ten (10) years following completion of the main extension, the Company shall refund to each Bona Fide Service Applicant his/her pro rata share of an amount equal to the Company Contribution for each additional Customer who attaches a service line to the main extension and requests service. No refunds shall be made, however, in those situations where at least 80%, but less than 100%, of the potential Customers who could receive service from the main extension become Bona Fide Service Applicants and their Customer Advances are calculated as if 100% of such potential Customers had participated in the initial funding of the project. In addition, the total amount refunded shall not exceed the amount of the Customer Advance paid by the Bona Fide Service Applicant.

(B)

The Company shall have the exclusive right to determine the type, the material, the size, the routing and the location of mains to be installed and the other facilities required to render adequate service. No main(s) smaller than 6" in diameter shall be installed.

(C)

The terminal point of the required extension shall be a point in the curb line equidistant from the side property lines of the last lot to be served or the side building lines of the last building or dwelling to be served, whichever is greater. As a further condition of extending the existing distribution mains, the Company shall be provided with, at no cost to the Company, any rights of way, temporary construction easements or permanent construction easements necessary to complete the extension of the distribution mains, Company service line(s), appurtenances and other facilities, or to provide future access for repair, maintenance, replacement, or for other related reasons.

(D)

The Bona Fide Service Applicant must have complied with all other conditions of service provided elsewhere in these Rules and Regulations in order to receive water service from the main extension.

(E)

Any required or requested main extension to serve an Applicant other than a Bona Fide Service Applicant shall be installed in accordance with the provisions of Tariff Rule 63.

Definitions:

(A) "Bona Fide Service Applicant" shall mean a person or entity applying for General Metered Service to an existing or proposed structure or facility within the Company's certificated service territory, and which is either: (1) the primary residence of the Applicant; (2) a place of business; or (3) a public school, building, library, park or playground which is owned by a governmental unit or school district which has the power of taxation. An Applicant shall not be deemed a Bona Fide Service Applicant if: (1) such Applicant is requesting water service to a building lot, subdivision or a secondary residence; (2) the request for water service is part of a plan for the development of a residential dwelling or subdivision; (3) the request is for service other than the main water supply for the primary residence, such as service for external landscaping or agricultural purposes only; or (4) the Applicant is requesting Special Utility Service. To become an Applicant, a person or entity must file a signed application to connect the qualifying structure or facility with the Company's distribution system and request water service to begin immediately following such connection.

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- (B) "Company Contribution" shall mean that portion of the main extension costs which generate annual line extension costs equal to annual revenue from the line extension and that the Company will fund based upon the following formula, where X equals the Company Contribution attributed to each Bona Fide Applicant:

$$X = \frac{AR - O\&M}{(P \cdot I) + D}; \text{ whereby:}$$

AR = the expected annual revenue from the Bona Fide Service Applicant based upon the Company's currently effective tariff rates and on the average annual usage of customers similar in nature and size to the Bona Fide Service Applicant.

O&M = the average annual operating and maintenance expenses associated with serving an additional customer, including customer accounting, billing and collection, water purchased, power purchased, chemicals, and other variable costs based on the current total company level of such costs, as well as any costs particular to the specific needs of the Bona Fide Service Applicant.

I = the Company's current debt ratio multiplied by its weighted cost of long-term debt; and

D = the Company's depreciation accrual rate for Account No. 322 (Mains and Accessories).

- (C) = "Customer Advance" shall mean (1) the Estimated Cost of the water main extension less (2) the Company Contribution.

Line extensions to bona fide service applicants shall be funded without customer advance where the annual revenue from the line extension will equal or exceed the utility's annual line extension costs.

If the annual revenue from the line extension will not equal or exceed the utility's annual line extension costs, a bona fide service applicant may be required to provide a customer advance to the utility's cost of construction for the line extension.

Where a customer advance is required, and the applicant is unable to advance the entire amount due, the company, at its option, must either (1) allow the applicant to pay the advance ratably over a period of not less than three years or (2) assist the applicant in obtaining the necessary financing from an appropriate lending institution so that the applicant can deposit the entire amount due. If the Company chooses option (1), it may require that up to one-third of the total advance be deposited prior to extending its facilities and may recover from the applicant, over the payment term selected, its costs of financing the construction by applying to the amount outstanding interest charges calculated at the then-prevailing residential mortgage lending rate specified by the Secretary of Banking in accordance with the act of January 30, 1974 (P.L. 13, No. 6), known as the Loan Interest and Protection Law.



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(D) "Special Utility Service" shall mean residential or business service which exceeds that required for ordinary residential purposes. By way of illustration and not limitation, Special Utility Service shall include: the installation of facilities such as oversized mains, booster pumps and storage tanks as necessary to provide adequate flows or to meet specific pressure criteria, or service to large water consuming commercial and industrial facilities. An otherwise Bona Fide Service Applicant requesting service which includes a "special utility service" component is entitled to a Bona Fide Service Applicant status, including the corresponding Company contribution toward the costs of the line extension which do not meet the special utility service criteria.

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Economic Development Main Extension Policy:

61. The Company may negotiate and enter into customized Extension Deposit Agreements for the purpose of promoting economic development or enhancing the efficiency and operation of the waterworks system. These Agreements may include special provisions that differ from the standard terms of the "Extension Deposit Agreement."

**Main Extensions with Governmental Bodies:**

62. The Company may negotiate and enter into customized Extension Deposit Agreements with Governmental Agencies where the main extension is for a public purpose, and is funded entirely with public funds. These Agreements may include a waiver of the tax requirements of the "Extension Deposit Agreement," and in such event, the Company will not refund any portion of the cost of the main extension.

**63. Main Extensions and Services by Builder:**

63.1 In the event any main extension is requested or required to provide service to newly constructed structure(s) to be constructed in the future on existing or subdivided lots, or to preexisting non-residential structures except as provided below, the Builder shall be required to install the water main and service lines through a pre-qualified Contractor retained by the Builder and to pay all costs related thereto. At the sole discretion of the Company, the Company may undertake construction of facilities otherwise subject to this Rule, in which event, the "Extension Deposit Agreement", referred to in the provisions of Rule 59 and Rule 60 pertaining to construction of facilities to serve existing residential structures, shall be applicable except that the Builder will retain financial responsibility for the installation of service lines and appurtenances as specified herein.

Under the provisions of this Rule 63, prior to construction, the Builder must enter into an Agreement, in a form acceptable to the Company, detailing the terms and conditions under which the Company will accept, and provide service through, facilities constructed by Builder. All construction costs, whether initially incurred by the Company or the Builder, related to the main extension shall be the responsibility of the Builder. The Agreement shall contain, at a minimum, the following terms and conditions:

- (a) Main and service line installation work shall be performed in accordance with the specifications and conditions of the Company.
- (b) All costs of material and installation required to serve Builder's lots shall be the responsibility of Builder. Builder shall contract directly with a pre-qualified contractor, recognized and approved by the Company, for all main and service line installation work, and all appurtenances (including fire hydrants) required to serve the project.
- (c) Any specialty material required to interconnect with the Company's existing facilities shall be provided by the Company.

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- (d) Any construction involving preexisting facilities of the Company, including but not limited to relocation of existing facilities and connections of mains or services with existing facilities, shall be performed only by the Company.
- (e) Builder's estimate of the cost of construction must be acceptable to the Company. Estimates which appear to be understated may be rejected.
- (f) Builder shall obtain all necessary permits from federal, state and local authorities. If any of these authorities require the Company to obtain such permits, the Company shall apply for the permits.
- (g) All construction shall be subject to inspection by Company personnel. No trenches shall be backfilled prior to approval from Company inspectors.

64 Water System Connection Loan Program:

A. An Applicant for a new single-family residential service connection under Rule 6 or for a main extension under Rule 59 for single-family residential service, may apply for a loan from the Company to cover Eligible Costs (as defined herein). Any such loan shall be subject to the terms and conditions set forth in this Rule.

- (1) To be eligible for a loan, an Applicant must (a) own a single-family residence which will take water service from the Company; (b) demonstrate an intent to be the continuing Customer of the Company at the residence; and (c) enter into a financing agreement.
- (2) For purposes of this Rule, Eligible Costs include actual costs for (a) a water main extension in accordance with Rule 59; (b) the Customer Service Line; (c) a meter box or vault; (d) shut-off valves and/or back flow devices required under these Rules; (e) alterations of or additions to plumbing within the Customer's residence which are necessary to permit the Customer to take service from the Company; or (f) any other facilities necessary to permit the Customer to take water service from the Company. The maximum principal balance of or a loan made under this Rule will be \$8,000.
- (3) Any such loan shall be subject to the following terms and conditions.
- (a) The existence of a loan made under this Rule does not alter the responsibility of the Customer for maintenance or replacement of the Customer Service Line or any other facilities as determined by the applicable provisions of the Company's Rule(s).
- (b) The initial principal balance of the loan shall be the amount of Eligible Costs which the Customer elects to borrow from the Company. The principal balance of the loan plus interest will be repaid to the Company through a fixed surcharge added to the Customer's regular monthly bill for water service. The surcharge will be reflected as a separate service type for the Customer's account.

- (c) The customer will enter into a financing agreement with the Company which specifies, *inter alia*, the initial principal balance of the loan, the applicable interest rate determined in accordance with subsection 3(e) of this Rule, the term of the loan and the amount of the monthly surcharge. The Company in its sole discretion will determine whether a financing agreement should be established for a loan related to facilities owned and maintained by the customer under the applicable provisions of the Company's Rules. The customer will agree to repay the loan over a term selected by the customer, which is no less than three years (36 months) nor greater than 8 years (96 months).
- (d) Through the surcharge, the customer will make equal monthly installments over the loan term to pay the principal amount of the loan together with daily simple interest on the unpaid balance of the principal amount from time to time outstanding at the applicable rate of interest determined in accordance with subsection 3(e) of this Rule. The customer's payment schedule will amortize the unpaid balance over the loan term. Daily simple interest means that interest is charged each day after applying any payment the customer has made. All payments will be first applied to interest that is due and then to principal and other charges. Prepayment of the loan will be permitted without penalty.
- (e) The interest rate will be fixed for the term of a loan, at the weighted cost of long term debt. (C)
- (f) Notwithstanding the provisions of subsection 3(e), the interest rate shall not exceed 8% per annum. In the event that the weighted cost of long term debt as calculated pursuant to subsection 3(e) would, except for the provisions of this subsection 3(f), exceed 8% per annum, the Company shall have the option to suspend the making of loans under this Rule. (C)
- (g) A customer account which includes a loan payment surcharge will not be transferred to any tenant or non-owner occupant of the residence for which a loan is made. During the loan term, the owner of the residence will remain the customer in whose name the bill for water service will be issued. If the residence is sold, a new owner who demonstrates an intent to be the continuing customer of the Company at the residence may elect in writing on a form provided by the Company to assume responsibility for the loan payments, subject to the terms of the financing agreement. A copy of the election form will be returned to the Company prior to sale of the residence. If the new owner does not elect in writing on a form provided by the Company to assume responsibility for the loan payments or does not demonstrate an intent to be the continuing customer at the residence, the loan and accrued interest shall become immediately due and payable upon sale of the premises.

(C) Indicates Change

- (h) The loan surcharge reflected on Customer bills will be collected by the Company, subject to all provisions of Rules 10 through 17 and 53 regarding billing for water service, terms of payment, late-payment charges and discontinuance of water service for non-payment. A partial payment of a bill for water service shall be first applied to cover the Customer's obligation under the loan and then to charges for other water service.
- B. For accounting purposes, the Company will establish subaccounts in which loan payments shall be recorded. In one subaccount, the Company will record amounts applied to principal and interest for the portion of the loan, if any, which relates to facilities owned and maintained by the Company under the applicable Rules. In another subaccount, the Company will record amounts applied to principal and interest for the portion of the loan, if any, which relates to facilities owned and maintained by the Customer under the applicable Rules. Loan payments shall be allocated between the two subaccounts based upon the relative initial cost of the facilities covered by that subaccount as compared to the total amount of the loan. For each subaccount, amounts received as loan payments will be first applied to interest that is due and then to principal and other charges.
- C. If a loan becomes uncollectible, the unpaid principal balance of the portion of the loan, if any, which relates to facilities owned and maintained by the Company will be recorded as a debit to Contributions-In-Aid-Of-Construction, and as a credit to Accounts Receivable. The unpaid balance of interest with respect to such portion of the loan (as of the time of the debit) shall be recorded as an uncollectible account. The unpaid balance of principal and interest for the portion of a loan, if any, which relates to facilities owned and maintained by the Customer shall be recorded as a non-utility expense.
- D. The Company's capital structure used for rate-making purposes will not include short-term debt issued by the Company to finance loans under this Rule.
65. Pro-ration of Base Rates on Customers' Bills. During a period of changes to base rates, billing of base rates for metered Customers involves proration of the different base rates based on days of invoice. The consumption for the entire period is divided by the number of service days to develop an average consumption per day for purposes of bifurcating the consumptions at the old rate and consumption at the new rate.



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May 1, 2015

**VIA HAND DELIVERY**

Ms. Rosemary Chiavetta, Secretary  
Pennsylvania Public Utility Commission  
Commonwealth Keystone Building  
400 North Street  
Harrisburg, PA 17120

**Re: UGI Utilities, Inc. – Gas Division  
Information Filed in Support of Purchased Gas Costs – 2015  
Under 66 PA. C.S. §1307(f) -  
May 1, 2015**

Dear Secretary Chiavetta:

In accordance with the Commission's regulation at 52 Pa. Code §53.64(c), UGI Utilities, Inc. – Gas Division ("UGI") has enclosed the preliminary supporting information for its 2015 Purchased Gas Cost Filing. UGI's proposed purchased gas cost tariff and all required supporting information, including direct testimony, will be submitted June 1, 2015.

Copies of this document have been served upon the persons indicated on the attached Certificate of Service.

UGI shall commence advance public notice fifteen days prior to the submission of its Purchased Gas Cost Filing to the Commission in accordance with the Commission's Final Order at Docket No. P-850081, entered December 6, 1985.

Any inquiries regarding the information contained in the prefiling or supporting data should be directed to the attention of Paul J. Szykman at the above address with copies to David B. MacGregor, Esquire, and Mark C. Morrow, Esquire, at the addresses shown below.

Very truly yours,

Paul J. Szykman

Enclosures: Supporting Information  
Extra Copy of Letter for Acknowledgment  
Certificate of Service

cc: Service List

Mark C. Morrow, Esquire  
UGI Corporation  
460 North Gulph Road  
King of Prussia, PA 19406  
[morrowm@ugicorp.com](mailto:morrowm@ugicorp.com)

David B. MacGregor, Esquire  
Post & Schell, P.C.  
Four Penn Center  
1600 John F. Kennedy Blvd.  
Philadelphia, PA 19103-2808  
[dmacgregor@postschell.com](mailto:dmacgregor@postschell.com)

**CERTIFICATE OF SERVICE**

I hereby certify that I have, this 1<sup>st</sup> day of May, 2015, served a true and correct copy of the foregoing document in the manner and upon the persons listed below in accordance with requirements of 52 Pa. Code §1.54 (relating to service by a participant):


**VIA HAND DELIVERY:**

Tanya J. McCloskey, Esquire  
Acting Consumer Advocate  
Office Of Consumer Advocate  
555 Walnut Street  
5<sup>th</sup> Floor, Forum Place  
Harrisburg, PA 17101-1921

Pamela C. Polacek, Esq.  
McNees, Wallace & Nurick  
100 Pine Street  
P.O. Box 1166  
Harrisburg, PA 17108-1166

Johnnie E. Simms  
Director and Chief Prosecutor  
Pennsylvania Public Utility Commission  
Bureau of Investigation and Enforcement  
Commonwealth Keystone Building  
400 North Street  
Harrisburg, PA 17120

John R. Evans  
Small Business Advocate  
Office of Small Business Advocate  
Suite 202, Commerce Building  
300 North Second Street  
Harrisburg, PA 17101

  
\_\_\_\_\_  
Paul J. Szykman

Dated: May 1, 2015



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UGI UTILITIES, INC. - GAS DIVISION  
6/1/15 SECTION 1307(f) FILINGSECTION 1 [52 Pa. Code §53.64(c)(1)] SOURCES OF GAS SUPPLY

A complete list in schedule format of each spot and each long term source of gas supply, production, transportation and storage, used in the past 12 months, which 12-month period shall end 2 months prior to the date of the tariff filing, separately setting forth on a monthly basis the quantity and price of gas delivered, produced, transported or stored, maximum daily quantity levels, maximum annual quantity levels, a detailed description of warrantee or penalty provisions, including liquidated damages, take or pay provisions or minimum bill or take provisions of the purchases, balancing provisions and copies of Federal tariffs and contract provisions relating to the purchases--including demand and commodity components. With regard to each contemplated future source of supply, production, transportation or storage, during each of the next 20 months for each source, provide the name of the source, the maximum daily quantity, the maximum annual quantity, the minimum take levels, a detailed description of warrantee or penalty provisions, including liquidated damages, take or pay provisions or minimum bill or take provisions of the purchases, balancing provisions and contractual or tariffed terms of the purchases, copies of applicable Federal tariffs, the expiration date of each contract, the date when each contract was most recently negotiated and the details of the negotiation--such as meeting held, offers made, and changes in contractual obligation--and whether current proceedings, negotiations or renegotiations are pending before the Federal Energy Regulatory Commission, and the like, to modify the price, quantity or another condition of purchase, and if so, the details of the proceedings, negotiations or renegotiations. Gas supply sources which individually represent less than 3% of the total system supply may be shown collectively, such as other local gas purchases.

RESPONSEPGC Supplies

Section 1-A provides the requested information for the PGC supplies for the historic twelve-month period ending March 31, 2015. Section 1-B addresses the prospective twenty-month period. Section 1-C shows interruptible cost and supplies under Rates IS and IL and End-user Transportation volumes.

UGI UTILITIES, INC. - GAS DIVISION  
6/1/15 SECTION 1307(f) FILING

SECTION 1-A [52 Pa. Code §53.64(c)(1)] SOURCES OF GAS SUPPLY

Provide a complete listing of all sources of gas supply used in the past twelve (12) months, which 12-month period shall end two months prior to the date of the tariff filing, separately setting forth on a monthly basis:

- (1) The quantity and price of gas delivered;
- (2) The details of any take-or-pay provisions or minimum bill provisions;
- (3) The details of the rate designs of the purchases (including demand and commodity percentages).

RESPONSE:

- (1) The quantity, maximum daily quantities, and price of gas delivered for the past twelve (12) months are shown on Attachment 1-A-1.
- (2) UGI Utilities, Inc. ("UGI") has no take-or-pay provisions or minimum bill provisions in any contract.
- (3) Demand and commodity rate design are mostly Straight Fixed Variable. Details of the rate design changes are reflected on the applicable pipeline tariffs.

Details of the historic demand charges and a summary listing of the tariffs are shown on Attachment 1-A-1.

Details of current tariff provisions and currently effective rates can be found by accessing the following websites. The following table provides information about the web address of each pipeline EBB, the company or companies using that website, and the type of information available without an ID and password:

UGI UTILITIES, INC. - GAS DIVISION  
6/1/15 SECTION 1307(f) FILING

FERC TARIFFS ON PIPELINE SERVING UGI

ANR GEMS

- <http://www.anrpl.com>
- Informational Postings
- Tariff

COLUMBIA AND COLUMBIA GULF NAVIGATES

- <http://www.columbiapipeinfo.com>
- Informational Postings
- Tariff
- Columbia or Columbia Gulf

DOMINION E-SCRIPT

- <http://escript.dom.com/>
- Dominion Transmission
- Information Postings
- Tariff

TEXAS EASTERN SPECTRA LINK

- <http://link.spectraenergy.com/>
- Texas Eastern
- Informational Postings
- Tariff

TENNESSEE PASSKEY

- <http://webapps.elpaso.com/PortalUI/DefaultKM.aspx?TSP=TGPD>
- Informational Postings
- Tariff

TRANSCO ILINE

- <http://www.iline.williams.com/>
- Info Postings
- Tariff



UGI UTILITIES, INC. - GAS DIVISION  
 PGC EXPERIENCED SUPPLY VOLUMES IN (DTH) OR (DTH/D)  
 12 MONTHS ENDED MARCH 31, 2015  
 COMMODITY

	2014 APRIL (DTH)	2014 MAY (DTH)	2014 JUNE (DTH)	2014 JULY (DTH)	2014 AUGUST (DTH)	2014 SEPTEMBER (DTH)	2014 OCTOBER (DTH)	2014 NOVEMBER (DTH)	2014 DECEMBER (DTH)	2015 JANUARY (DTH)	2015 FEBRUARY (DTH)	2015 MARCH (DTH)	TWELVE MONTH TOTAL
PRODUCER PURCHASES	28,413	(176,261)	(77,976)	(112,149)	(59,931)	(229,423)	(112,711)	(494,608)	(914,592)	(1,112,435)	(1,850,285)	(1,539,588)	(6,751,646)
SUPPLIER B	73,232	0	0	200	0	0	0	394,890	274,959	692,877	770,415	400,718	2,607,261
SUPPLIER C	542,283	20,766	30,587	0	15,293	147,901	6,627	657,905	397,912	762,412	810,028	214,899	3,826,413
SUPPLIER D	0	0	0	0	0	0	0	259,660	877,650	0	346,020	0	1,483,339
SUPPLIER E	0	0	0	20,192	0	0	0	706,506	194,083	0	94,611	1,050,444	2,065,836
SUPPLIER F	233,120	162,547	121,020	124,000	152,954	226,563	215,056	94,109	228,710	110,492	449,905	379,812	2,458,088
SUPPLIER G	0	0	0	0	0	17,383	0	493,193	0	530,116	0	200,516	1,241,206
SUPPLIER H	0	0	0	0	0	0	16,172	308,012	276,830	281,241	387,835	275,914	1,546,004
SUPPLIER I	655,699	620,907	580,334	597,527	411,991	466,337	608,002	648,920	652,987	670,830	1,406,609	1,213,682	8,533,825
SUPPLIER J	800,210	805,157	805,157	805,157	805,157	805,157	805,157	0	0	0	0	271	4,231,423
UGI ENERGY SVCS	1,067,981	1,097,387	751,493	751,493	751,493	826,493	1,081,493	312,445	503,505	1,863,267	1,743,437	1,271,893	12,002,390
PEAKING SERVICE - UGI E.S	0	0	0	0	0	0	0	0	0	26	167,769	479,513	646,729
LP-BEYOND THE MAIN	4,893	2,206	540	314	153	126	647	3,382	8,111	11,835	15,206	9,485	57,500
STG INJ COLUMBIA FSS	(741,854)	(873,466)	(837,929)	(764,678)	(653,538)	(659,817)	(732,797)	(243,741)	(1,080,241)	(95,792)	(126,673)	(160,473)	(8,990,999)
STG INJ COLUMBIA FSS II	(142,825)	(142,825)	(142,825)	(142,825)	(142,825)	(142,825)	(142,825)	0	0	0	0	0	(999,776)
STG INJ TRANSCO GSS	(14,700)	(15,190)	(15,390)	(15,190)	(15,190)	(14,700)	(14,520)	(477)	0	0	0	0	(105,357)
STG INJ TRANSCO SS-2	(112,620)	(113,983)	(111,060)	(116,374)	(116,374)	(112,619)	(116,368)	0	0	0	0	0	(799,418)
STG INJ DOMINION GSS	(95,238)	(95,238)	(95,238)	(95,238)	(95,238)	(95,238)	(95,238)	0	0	0	0	0	(666,666)
STG INJ DOMINION GSS TE	(112,941)	(112,941)	(112,941)	(112,941)	(112,941)	(112,941)	(112,941)	0	0	0	0	0	(790,587)
STG INJ ANR FSS	(392,031)	(396,978)	(396,978)	(396,978)	(396,978)	(396,978)	(396,978)	0	0	0	0	(14,016)	(2,787,915)
STG INJ EGAN FSS	0	0	0	(102,388)	(10,422)	(97,253)	(127,855)	0	0	0	0	0	(337,918)
STG WDL COLUMBIA FSS	493,497	139,893	185,169	207,103	60,859	98,893	43,490	354,978	1,256,326	1,644,065	1,848,428	939,575	7,071,976
STG WDL COLUMBIA FSS II	0	0	0	0	0	0	0	20,782	1,071,595	0	0	0	1,092,377
STG WDL TRANSCO GSS	0	0	0	0	0	0	0	1,744	0	39,579	40,852	20,419	102,594
STG WDL TRANSCO SS-2	0	0	0	0	0	0	0	7,245	193,511	221,712	194,296	169,971	786,735
STG WDL DOMINION GSS	28,069	0	0	0	0	0	0	6,667	161,880	180,842	156,345	133,650	667,473
STG WDL DOMINION GSS TE	3,790	0	0	0	0	0	0	152,286	159,464	140,195	144,059	159,495	769,289
STG WDL ANR FSS	0	0	0	0	0	0	0	292,055	438,582	826,755	930,546	177,039	2,664,977
STG WDL EGAN FSS	0	0	0	0	0	0	2,344	0	3,212	202,551	144,280	0	352,387
COMMODITY - DTH	2,116,998	721,981	463,963	447,225	394,463	527,861	786,735	3,975,643	4,704,473	6,990,370	7,373,702	5,362,718	33,807,533
PRODUCER PURCHASE - DTH	3,295,831	2,332,709	2,011,155	1,986,734	1,877,110	2,080,539	2,400,443	3,384,404	2,500,144	3,830,663	4,241,569	3,957,059	33,788,360
NET STORAGE - DTH	(1,086,833)	(1,610,728)	(1,527,192)	(1,539,509)	(1,482,647)	(1,533,478)	(1,693,708)	591,239	2,204,329	3,159,907	3,132,133	1,405,660	19,173



UGI UTILITIES, INC. - GAS DIVISION  
 PGC EXPERIENCED UNIT RATES IN \$/DTH  
 12 MONTHS ENDED MARCH 31, 2015  
 COMMODITY

	2014 APRIL (\$/DTH)	2014 MAY (\$/DTH)	2014 JUNE (\$/DTH)	2014 JULY (\$/DTH)	2014 AUGUST (\$/DTH)	2014 SEPTEMBER (\$/DTH)	2014 OCTOBER (\$/DTH)	2014 NOVEMBER (\$/DTH)	2014 DECEMBER (\$/DTH)	2015 JANUARY (\$/DTH)	2015 FEBRUARY (\$/DTH)	2015 MARCH (\$/DTH)	TWELVE MONTH TOTAL
PRODUCER PURCHASES	(2 8626)	2 6772	11 5512	0 6955	0 3259	1 1384	(1 8830)	0 1589	2 5372	6 1188	5 5665	2 7749	4 1421
SUPPLIER B	4 2361	0 0000	0 0000	4 3350	0 0000	0 0000	0 0000	3 4446	3 0334	2 0990	2 5401	2 2652	2 6174
SUPPLIER C	4 2192	3 9750	3 1717	0 0000	2 2100	2 0391	2 0077	3 4558	3 3287	2 5025	2 8100	2 4590	3 0367
SUPPLIER D	0 0000	0 0000	0 0000	0 0000	0 0000	0 0000	0 0000	3 4125	3 1202	0 0000	2 0472	0 0000	2 9211
SUPPLIER E	0 0000	0 0000	0 0000	4 2404	0 0000	0 0000	0 0000	3 5134	2 9726	0 0000	2 9421	1 9863	2 6721
SUPPLIER F	4 3166	3 9901	3 1677	2 9000	2 4123	2 0864	1 9042	4 0979	2 9443	2 3215	2 5538	2 3173	2 7994
SUPPLIER G	0 0000	0 0000	0 0000	0 0000	0 0000	2 3647	0 0000	2 7074	0 0000	1 9600	0 0000	2 1109	2 2670
SUPPLIER H	0 0000	0 0000	0 0000	0 0000	0 0000	0 0000	1 9643	3 7822	4 2445	3 1472	2 8989	2 8565	3 3436
SUPPLIER I	2 8990	2 9922	2 5096	2 2885	1 8233	1 9245	1 9208	2 2735	2 5675	1 5736	1 8241	1 7063	2 1375
SUPPLIER J	4 4699	4 6932	4 5086	4 2787	3 6302	3 8422	3 8430	0 0000	0 0000	0 0000	0 0000	3 1897	4 1604
UGI ENERGY SVCS	4 5429	4 5955	4 8352	4 4088	3 7966	3 7550	3 4443	2 3522	2 8843	5 1718	7 7906	3 1879	4 6449
PEAKING SERVICE - UGI E S	0 0000	0 0000	0 0000	0 0000	0 0000	0 0000	0 0000	0 0000	0 0000	3 7082	3 0687	2 9489	2 9799
LP-BEYOND THE MAIN	(4 4282)	196 9955	19 2352	386 9968	(35 2288)	(91 7344)	(9 8980)	(1 3294)	5 9073	7 4845	7 7391	21 3964	17 0636
STG INJ COLUMBIA FSS	4 5684	4 6181	4 2581	4 0726	3 7564	3 7934	3 7141	3 4964	4 1955	2 0987	2 6917	2 2340	4 0199
STG INJ COLUMBIA FSS II	4 4968	4 7122	4 5325	4 3090	3 7047	3 8568	3 8845	0 0000	0 0000	0 0000	0 0000	0 0000	4 2138
STG INJ TRANSCO GSS	2 4365	2 6479	2 4713	2 2521	1 6596	1 8090	1 8361	1 9057	0 0000	0 0000	0 0000	0 0000	2 1608
STG INJ TRANSCO SS-2	2 4560	2 6680	2 4907	2 2716	1 6782	1 8276	1 8429	0 0000	0 0000	0 0000	0 0000	0 0000	2 1749
STG INJ DOMINION GSS	4 0001	4 2214	4 0368	3 8071	3 1861	3 3456	3 3726	0 0000	0 0000	0 0000	0 0000	0 0000	3 7100
STG INJ DOMINION GSS TE	4 0001	4 2214	4 0368	3 8071	3 1861	3 3456	3 3726	0 0000	0 0000	0 0000	0 0000	0 0000	3 7100
STG INJ ANR FSS	4 6812	4 8127	4 7280	4 4981	3 8351	4 0747	4 0617	0 0000	0 0000	0 0000	0 0000	0 0000	4 3776
STG INJ EGAN FSS	0 0000	0 0000	0 0000	4 1930	3 8982	3 7999	3 8438	0 0000	0 0000	0 0000	0 0000	0 0000	4 0670
STG WDL COLUMBIA FSS	4 3317	4 5183	4 5132	4 4217	4 3487	4 2566	4 8676	4 1790	4 1874	4 1484	4 1001	3 9028	4 1583
STG WDL COLUMBIA FSS II	0 0000	0 0000	0 0000	0 0000	0 0000	0 0000	0 0000	0 0000	4 2952	4 1979	0 0000	0 0000	4 1997
STG WDL TRANSCO GSS	0 0000	0 0000	0 0000	0 0000	0 0000	0 0000	0 0000	2 3131	0 0000	2 3133	2 3133	2 3133	2 3133
STG WDL TRANSCO SS-2	0 0000	0 0000	0 0000	0 0000	0 0000	0 0000	0 0000	2 2725	2 2724	2 2728	2 2730	2 2729	2 2729
STG WDL DOMINION GSS	4 1187	0 0000	0 0000	0 0000	0 0000	0 0000	0 0000	3 7587	3 7588	3 7588	3 7587	3 7586	3 7738
STG WDL DOMINION GSS TE	4 2541	0 0000	0 0000	0 0000	0 0000	0 0000	0 0000	3 8396	3 8394	3 8394	3 8394	3 8395	3 8415
STG WDL ANR FSS	0 0000	0 0000	0 0000	0 0000	0 0000	0 0000	0 0000	4 7000	4 6999	4 6835	4 7056	4 6177	4 6914
STG WDL EGAN FSS	0 0000	0 0000	0 0000	0 0000	0 0000	0 0000	4 2410	0 0000	4 1012	4 2066	4 1629	0 0000	4 1680
COMMODITY COST PER DTH	3 8652	4 4111	1 7482	3 6717	2 4762	2 4172	2 4182	3 7689	3 6434	3 3508	3 3658	2 7376	3 2975
PRODUCER PURCHASE COST PER DTH	4 0352	4 4724	3 6087	3 9070	3 2728	3 3111	3 2540	3 5508	3 2712	2 4974	2 8619	2 2984	3 2352
NET STORAGE COST PER DTH	4 3668	4 4999	4 1982	3 9753	3 4845	3 6183	3 6027	4 8003	4 0656	4 1837	4 1778	3 9741	113 0631



UGI UTILITIES, INC. - GAS DIVISION  
 PGC EXPERIENCED COST OF GAS IN DOLLARS  
 12 MONTHS ENDED MARCH 31, 2015  
 DEMAND

	2014 APRIL (\$'S)	2014 MAY (\$'S)	2014 JUNE (\$'S)	2014 JULY (\$'S)	2014 AUGUST (\$'S)	2014 SEPTEMBER (\$'S)	2014 OCTOBER (\$'S)	2014 NOVEMBER (\$'S)	2014 DECEMBER (\$'S)	2015 JANUARY (\$'S)	2015 FEBRUARY (\$'S)	2015 MARCH (\$'S)	TWELVE MONTH TOTAL
COLUMBIA FTS	548,251	568,390	568,390	568,390	568,390	568,390	568,390	568,390	549,000	549,000	574,291	574,291	6,773,583
COLUMBIA NTS	110,585	113,790	113,790	113,790	113,790	113,790	113,790	113,790	110,885	110,885	114,815	114,815	1,357,585
COLUMBIA SST	266,720	276,811	276,811	276,811	276,811	276,811	276,811	276,811	262,457	262,457	268,423	268,423	5,429,812
COLUMBIA GULF FTS-1	85,834	85,834	85,834	85,834	85,834	85,834	85,834	85,834	85,834	85,834	85,834	85,834	85,834
COLUMBIA FSS MDSQ	141,845	141,845	141,845	141,845	141,845	141,845	141,845	141,845	173,005	173,005	173,005	173,005	1,824,263
COLUMBIA FSS SCQ	147,113	147,113	147,113	147,113	147,113	147,113	147,113	147,113	180,710	180,710	180,710	180,710	1,899,117
COLUMBIA SST	59,052	61,286	61,286	61,286	61,286	61,286	61,286	61,286	0	0	0	0	629,093
COLUMBIA FSS H MDSQ	31,360	31,360	31,360	31,360	31,360	31,360	31,360	31,360	0	0	0	0	250,880
COLUMBIA FSS H SCQ	33,597	33,597	33,597	33,597	33,597	33,597	33,597	33,597	0	0	0	0	288,776
TENNESSEE FT-A	171,457	171,457	171,457	171,457	171,457	171,457	171,457	171,457	0	0	0	0	1,200,199
TEXAS EASTERN CDS	1,057,068	1,057,068	1,057,068	1,057,068	1,054,858	1,054,858	1,054,858	1,054,858	1,054,782	1,054,782	1,063,714	1,063,714	12,724,896
TEXAS EASTERN FT-1	961,754	961,754	961,754	961,754	959,870	959,870	959,870	959,870	959,601	959,601	966,852	966,852	11,578,622
TEXAS EASTERN ITP M2- M3	439,405	439,405	439,405	439,405	438,216	438,216	438,216	438,216	438,164	438,164	453,885	453,885	5,294,582
TEXAS EASTERN LLFT	75,237	75,237	75,237	75,237	75,237	75,237	75,237	75,237	57,933	57,933	57,933	57,933	991,135
TEXAS EASTERN FLEX-X	41,756	41,756	41,756	41,756	41,756	41,756	41,756	41,756	41,756	41,756	41,756	41,756	501,072
TEXAS EASTERN FT-1 (ELA-M2)	8,685	8,685	8,685	8,685	8,685	8,685	8,685	8,685	0	0	0	0	60,435
TEXAS EASTERN FTS-7	38,667	38,667	38,667	38,667	38,667	38,667	38,667	38,667	38,667	38,667	38,667	38,667	464,004
DOMINION-GSS TE DEMAND	11,132	11,132	11,132	11,132	11,132	11,132	11,132	11,132	11,175	11,175	11,175	11,175	133,799
DOMINION-GSS TE CAPACITY	13,647	13,647	13,647	13,647	13,647	13,647	13,647	13,647	13,647	13,647	13,647	13,647	163,784
TEXAS EASTERN FTS-6	34,528	34,528	34,528	34,528	34,528	34,528	34,528	34,528	34,528	34,528	34,528	34,528	414,338
EGAN FSS	110,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000	1,320,000
DOMINION GSS DEMAND	12,369	12,369	12,369	12,369	12,369	12,369	12,369	12,417	12,417	12,417	12,417	12,417	148,866
DOMINION GSS CAPACITY	9,667	9,667	9,667	9,667	9,667	9,667	9,667	9,667	9,667	9,667	9,667	9,667	116,004
TRANSOCO PS-FT	0	0	0	0	0	0	0	0	39,519	39,519	39,519	39,519	114,733
TRANSOCO GSS	5,261	5,437	5,261	5,436	5,436	5,261	5,436	5,268	5,444	5,444	4,917	5,444	64,045
TRANSOCO GSS-CAPACITY VOLUME	1,824	1,824	1,824	1,824	1,824	1,824	1,824	1,824	1,824	1,824	1,824	1,824	19,757
TRANSOCO SS-2 DEM	62,249	64,324	62,247	64,322	64,322	62,247	64,322	62,247	64,322	64,322	58,097	64,322	757,343
TRANSOCO SS-2 CAP. CHARGE	22,474	23,223	22,474	23,223	23,223	22,474	23,223	22,474	23,223	23,223	23,223	23,223	273,433
TRANSOCO FT	102,065	105,487	102,060	105,462	105,462	102,060	105,463	102,060	105,462	105,462	95,258	105,462	1,241,741
TRANSOCO FTF	89,206	92,179	89,192	92,166	92,166	89,192	92,165	89,192	92,166	92,165	83,246	92,165	1,085,200
TRANSOCO FTF - SENTINEL	115,920	119,784	115,920	119,784	119,784	115,920	119,784	115,920	119,784	119,784	108,192	119,784	1,410,360
ANR FTS-1: FT SW TETCO	116,325	116,325	116,325	116,325	116,325	116,325	116,325	116,325	116,325	116,325	116,325	116,325	1,385,800
ANR FTS-1: COLUMBIA	94,800	94,800	94,800	94,800	94,800	94,800	94,800	94,800	94,800	94,800	94,800	94,800	1,135,200
ANR FTS-1: FT SE COLUMBIA	107,275	107,275	107,275	107,275	107,275	107,275	107,275	184,324	184,324	184,324	184,324	184,324	1,672,545
ANR FTS-1: FT SE TETCO	30,257	30,257	30,257	30,257	30,257	30,257	30,257	60,508	60,508	60,508	60,508	60,508	514,339
ANR FSS DELIVER CHG	117,207	117,207	117,207	117,207	117,207	117,207	117,207	117,207	117,207	117,207	117,207	117,207	1,406,484
ANR FSS CAPACITY CHG	92,463	92,463	92,463	92,463	92,463	92,463	92,463	92,463	92,463	92,463	92,463	92,463	1,109,556
ANR FTS-1 DEL TO STORAGE	129,876	129,876	129,876	129,876	129,876	129,876	129,876	0	0	0	0	0	907,732
ANR FSS STORAGE DEL - COL	0	0	0	0	0	0	0	30,738	30,738	30,738	30,738	30,738	183,660
ANR FSS STORAGE DEL - TETCO	0	0	0	0	0	0	0	126,900	126,900	126,900	126,900	126,900	834,500
ANR FSS STORAGE DEL - TETCO LLFT	0	0	0	0	0	0	0	74,640	74,640	74,640	74,640	74,640	373,200
UGI CENTRAL PENN GAS	42,800	42,800	42,800	42,800	42,800	42,800	42,800	42,800	42,800	42,800	42,800	42,800	513,600
CALL OPTIONS	191,883	191,857	195,040	196,920	193,011	195,227	194,974	115	0	493	545	152,886	1,513,051
GLOBAL VIEW	152	152	152	152	311	304	304	304	304	304	304	304	3,047
SUPPLIER A	10,215	10,555	10,215	10,555	10,555	10,215	10,555	10,215	10,555	10,555	9,534	10,555	124,278
UGIES FIRM DELIVERED SUPPLY	0	0	0	0	0	0	0	81,000	81,000	81,000	81,000	81,000	405,000
UGIES PEAKING SERVICE DEMAND	0	0	0	0	0	0	0	352,000	352,000	352,000	352,000	352,000	1,760,000
UGIES PEAKING SERVICE DEMAND	0	0	0	0	0	0	0	889,577	889,577	889,577	889,577	889,577	4,447,888
UGIES PEAKING SERVICE DEMAND	0	0	0	0	0	0	0	1,318,348	1,318,348	1,318,348	1,318,348	1,318,348	6,591,740
UGIES PEAKING SERVICE DEMAND	0	0	0	0	0	0	0	1,720,000	1,720,000	1,720,000	1,720,000	1,720,000	8,600,000
UGIES PEAKING SERVICE DEMAND	0	0	0	0	0	0	0	167,492	167,492	167,492	167,492	167,492	837,458
UGIES PEAKING SERVICE DEMAND	0	0	0	0	0	0	0	2,041,675	2,041,667	2,041,667	(8)	0	6,125,001
UGIES FIRM DELIVERED SUPPLY	115,500	115,500	115,500	115,500	115,500	115,500	115,500	115,500	115,500	115,500	115,500	115,500	1,386,000
CAPACITY RELEASE / INCENTIVE SHARING	(1,734,730)	(1,594,867)	(1,850,721)	(1,732,315)	(1,887,079)	(1,885,709)	(1,715,556)	(3,095,218)	(3,168,582)	(3,522,180)	(3,251,978)	(3,961,218)	(29,000,146)
DS CREDIT & SYSTEM ACCESS FEES	(327,870)	(178,960)	(109,053)	(94,190)	(87,193)	(103,192)	(134,966)	(237,481)	(499,910)	(520,437)	(3,251,978)	(580,717)	(3,389,053)
PGC CREDIT FOR BAL. SERVICE	(105,718)	(179,300)	(61,423)	(51,287)	(55,333)	(51,354)	(55,117)	(66,448)	(225,631)	(247,026)	(138,592)	(204,244)	(1,438,473)
CASH IN/OUT	(20,730)	(44,006)	(7,887)	(42,120)	(32,891)	(7,138)	(6,032)	(108,833)	(10,744)	(34,754)	(14,990)	(102,021)	(432,128)
<b>DEMAND COST</b>	<b>3,667,713</b>	<b>3,908,824</b>	<b>3,884,888</b>	<b>3,991,087</b>	<b>4,039,150</b>	<b>4,042,829</b>	<b>4,330,030</b>	<b>9,107,998</b>	<b>8,787,631</b>	<b>8,333,882</b>	<b>8,785,128</b>	<b>6,011,582</b>	<b>66,890,524</b>

UGI UTILITIES, INC. - GAS DIVISION  
 PGC EXPERIENCED COST OF GAS IN DOLLARS  
 12 MONTHS ENDED MARCH 31, 2015  
 COMMODITY

	2014 APRIL (\$'S)	2014 MAY (\$'S)	2014 JUNE (\$'S)	2014 JULY (\$'S)	2014 AUGUST (\$'S)	2014 SEPTEMBER (\$'S)	2014 OCTOBER (\$'S)	2014 NOVEMBER (\$'S)	2014 DECEMBER (\$'S)	2015 JANUARY (\$'S)	2015 FEBRUARY (\$'S)	2015 MARCH (\$'S)	TWELVE MONTH TOTAL
PRODUCER PURCHASES	(81,336)	(471,678)	(900,714)	(78,005)	(55,491)	(307,064)	213,363	(78,612)	(2,320,522)	(6,908,793)	(12,806,593)	(4,272,454)	(27,966,100)
SUPPLIER B	310,218	0	0	897	0	0	0	1,360,194	834,003	1,454,370	1,956,896	907,687	6,824,243
SUPPLIER C	2,288,003	80,468	97,012	0	33,798	301,587	13,305	2,273,612	1,324,511	1,957,972	2,114,145	527,946	11,012,359
SUPPLIER D	0	0	0	0	0	0	0	885,093	2,738,451	0	708,366	0	4,332,910
SUPPLIER E	0	0	0	85,623	0	0	0	2,482,218	578,968	0	278,359	2,097,046	5,520,214
SUPPLIER F	1,006,285	648,578	353,358	359,600	368,966	472,708	498,505	385,651	673,381	756,506	1,148,988	878,884	6,983,207
SUPPLIER G	0	0	0	0	0	41,108	0	1,335,281	0	1,039,019	0	423,270	2,838,676
SUPPLIER H	0	0	0	0	0	0	31,766	1,164,965	1,175,005	855,111	1,124,279	788,148	5,169,275
SUPPLIER I	1,900,199	1,857,902	1,455,842	1,866,235	751,188	897,487	1,167,820	1,475,337	1,678,518	1,055,589	2,565,734	2,070,820	18,240,789
SUPPLIER J	2,682,672	2,840,142	2,728,391	2,589,307	2,196,831	2,325,150	2,325,612	0	0	0	0	659	17,689,184
UGI ENERGY SVCS	4,851,701	5,043,040	3,483,315	3,313,165	2,853,134	3,103,447	3,658,055	737,117	1,452,272	9,836,354	13,565,067	4,054,672	55,749,339
PEAKING SERVICE - UGI E S	0	0	0	0	0	0	0	0	0	104	513,043	1,414,034	1,927,180
LP BEYOND THE MAIN	(21,667)	434,572	10,387	125,285	(5,390)	(11,742)	(6,406)	(4,498)	47,914	58,379	122,324	262,945	982,307
STG INJ COLUMBIA FSS	(3,389,070)	(4,033,796)	(3,567,953)	(3,114,248)	(2,454,947)	(2,502,935)	(2,721,710)	(852,222)	(4,532,192)	(201,035)	(329,562)	(403,185)	(28,102,855)
STG INJ COLUMBIA FSS II	(942,253)	(673,020)	(647,364)	(615,433)	(529,124)	(550,847)	(554,604)	0	0	0	0	0	(4,212,835)
STG INJ TRANSCO GSS	(35,817)	(40,222)	(38,033)	(34,210)	(25,209)	(26,592)	(26,860)	(900)	0	0	0	0	(277,652)
STG INJ TRANSCO SS-2	(276,598)	(304,103)	(276,614)	(264,354)	(195,297)	(205,826)	(214,487)	(1,364)	0	0	0	0	(1,738,843)
STG INJ DOMINION GSS	(380,962)	(402,038)	(384,457)	(382,581)	(303,438)	(318,628)	(321,200)	0	0	0	0	0	(2,473,304)
STG INJ DOMINION GSS TE	(451,775)	(478,789)	(455,920)	(429,978)	(359,841)	(377,855)	(380,905)	0	0	0	0	0	(2,933,043)
STG INJ ANR FSS	(1,838,096)	(1,950,234)	(1,876,912)	(1,785,847)	(1,522,450)	(1,617,568)	(1,612,406)	0	0	0	0	0	(12,204,311)
STG INJ EGAN FSS	0	0	0	(429,309)	(40,827)	(369,549)	(491,443)	(9)	0	0	0	0	(43,359)
STG WDL COLUMBIA FSS	2,137,683	632,084	835,713	915,752	264,660	421,145	211,894	1,482,203	5,260,749	6,620,250	6,758,743	3,966,934	29,407,610
STG WDL COLUMBIA FSS II	0	0	0	0	0	0	0	89,263	4,498,411	0	0	0	4,587,674
STG WDL TRANSCO GSS	0	0	0	0	0	0	0	4,034	0	91,557	94,501	47,234	237,328
STG WDL TRANSCO SS-2	98	0	0	0	0	0	0	16,464	439,737	503,912	441,636	386,321	1,788,168
STG WDL DOMINION GSS	115,691	0	0	0	0	0	0	25,059	608,450	879,713	587,654	502,337	2,518,912
STG WDL DOMINION GSS TE	16,123	0	0	0	0	0	0	584,719	612,242	538,269	559,090	612,375	2,916,826
STG WDL ANR FSS	39	0	0	0	0	0	0	1,372,863	2,061,289	3,872,129	4,378,758	617,514	12,502,392
STG WDL EGAN FSS	0	0	0	0	0	0	8,941	0	13,173	852,054	800,622	0	1,475,790
COMMODITY - \$\$'S	8,190,337	3,184,723	848,061	1,642,069	876,783	1,274,024	1,706,242	14,737,262	17,148,368	22,723,660	24,378,058	14,680,938	111,481,302
TOTAL PGC \$\$'S	11,858,056	7,063,547	4,730,950	5,633,156	5,016,913	5,316,853	6,039,072	23,845,260	25,927,997	31,057,322	31,161,186	20,892,520	178,371,826
PRODUCER PURCHASE - \$\$'S	12,936,274	10,432,821	7,257,591	7,762,077	6,143,038	8,822,677	7,811,027	12,017,361	8,178,499	6,586,811	11,290,608	9,094,787	109,313,543
NET STORAGE - \$\$'S	(4,745,337)	(7,248,098)	(6,411,530)	(6,120,008)	(5,166,273)	(5,548,653)	(6,101,950)	2,719,901	8,961,867	13,156,849	13,085,450	5,588,171	2,167,739





UGH UTILITIES INC. - GAS UTILITIES DIVISION  
PROJECTED SUPPLY VOLUMES IN DTH OR OTHD  
UNDER NORMAL WEATHER  
8 MONTH PERIOD - APRIL THROUGH NOVEMBER  
COMMUNITY

	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	TOTAL
<b>Supply Volumes</b>									
Trigger Plan	120,000	124,000	120,000	124,000	124,000	120,000	124,000	0	856,000
Trigger Load	420,000	434,000	420,000	434,000	434,000	420,000	434,000	0	2,996,000
MoTrascoCall	0	0	0	0	0	0	0	0	0
Trigger TCO Pool	0	0	0	0	0	0	0	0	0
Spot ANR SE	0	0	0	0	0	0	0	0	0
Spot M2	1,334,328	391,129	159,925	0	0	32,910	844,149	1,694,492	4,753,933
Spot Othd Supply	0	0	0	0	0	0	0	0	0
Spot Lady	289,701	299,358	191,285	157,013	232,459	200,372	209,358	707,430	2,376,956
Spot TCO Pool	0	0	0	0	0	0	0	0	0
Gas Beyond M	3,781	5,342	668	525	753	811	803	4,332	17,115
Asset Management Ref#	1,338,952	1,338,952	1,338,952	1,338,952	1,338,952	1,338,952	1,338,952	0	8,372,662
<b>Injected Volumes</b>									
ANR FSS	397,144	397,144	397,144	397,144	397,144	397,144	397,141	0	2,780,005
Dom GSS	95,238	95,238	95,238	95,238	95,238	95,238	95,238	0	866,867
Dom GSS TE	112,941	112,941	112,941	112,941	112,941	112,941	112,941	0	900,587
Trasco GSS	11,917	17,060	15,080	15,310	14,949	13,865	13,650	0	102,128
Trasco SS-2	79,895	143,451	132,722	129,863	128,121	103,864	79,895	0	796,856
Egan FSS	0	0	0	0	0	0	0	0	0
TCO FSS	733,629	733,629	733,629	733,629	733,629	733,629	733,629	0	5,135,403
<b>Withdrawn Volumes</b>									
ANR FSS	0	0	0	0	0	0	0	389,201	389,201
Dom GSS	40,000	0	0	0	0	0	0	0	40,000
Dom GSS TE	0	0	0	0	0	0	0	132,083	132,083
Trasco GSS	0	0	0	0	0	0	0	0	0
Trasco SS-2	0	0	0	0	0	0	0	0	0
Egan FSS	0	0	0	0	0	0	0	0	0
TCO FSS	0	0	0	0	0	0	0	0	0
Transport/Wdrng Fuel	43,584	15,417	7,711	2,954	3,159	3,685	28,791	79,859	185,348
<b>Total Demand Served</b>	<b>2,072,824</b>	<b>1,077,901</b>	<b>733,465</b>	<b>867,011</b>	<b>845,584</b>	<b>832,719</b>	<b>1,880,274</b>	<b>2,831,889</b>	<b>10,181,177</b>
<b>Total Choice Bundled Demand</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>316,690</b>	<b>316,690</b>
<b>Transportation</b>									
ANR FSS-TCO	0	0	0	0	0	0	0	153,690	153,690
ANR FSS-Tax	0	0	0	0	0	0	0	231,113	231,113
ANR SE-Egan	0	0	0	0	0	0	0	0	0
ANR SE-TCO	0	0	0	0	0	0	0	0	0
ANR SW-Trasco	0	0	10,138	0	0	0	0	0	10,138
Egan-ANR SE	0	0	0	0	0	0	0	0	0
FTS-5 FT	40,000	0	0	0	0	0	0	0	40,000
FTS-7 FT	0	0	0	0	0	0	0	129,441	129,441
Leach FTS	0	0	11,579	0	0	0	0	0	11,579
Lee FTS	0	0	4,590	0	0	0	0	0	140,740
Lee NTS	0	0	5,258	0	0	0	0	0	10,053
LI M1-M3 CDS	0	0	15,234	0	0	0	0	0	15,234
M2-M3 CDS	300,000	278,646	10,000	0	0	31,909	310,000	300,000	1,230,956
M2-M3 FT	993,785	100,593	90,453	0	0	0	508,487	1,857,846	3,551,243
RIV FT	120,000	124,000	120,000	124,000	124,000	120,000	124,000	0	856,000
SST	0	0	0	0	0	0	0	0	0
Trasco FTF	707,430	731,011	809,309	589,122	864,326	816,367	731,011	705,166	6,385,782



UGI UTILITIES INC. - GAS UTILITIES DIVISION  
PROJECTED SUPPLY UNIT RATE IN MDTM  
UNDER NORMAL WEATHER  
6 MONTH PERIOD - APRIL THROUGH NOVEMBER  
COMMODITY

	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	AVERAGE
<b>Supply Rate</b>									
Trigger Flex	2.6120	1.3110	1.3480	1.4080	1.4290	1.4360	1.5225	0.0000	1.5779
Trigger Low	2.2320	2.1503	1.7251	1.7426	1.5028	1.6341	2.2900	0.0000	1.8972
No TrmcsCall	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trigger TCO Pool	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Spot ANR SE	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Spot M2	1.5875	1.3510	1.4480	0.0000	0.0000	1.3410	1.4865	1.8960	1.8732
Spot Devd Supply	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Spot Lowly	1.2050	0.9135	1.0105	1.1835	1.0085	0.9035	1.0465	1.8010	1.2825
Spot TCO Pool	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Gas Beyond M	12.9178	12.9453	12.9858	13.0411	13.1085	13.2483	13.3090	13.3757	13.0932
Asset Management Refl	3.0558	2.0056	2.8027	2.9818	2.9001	2.8094	2.9549	0.0000	2.9425
<b>Injection Rate</b>									
ANR FSS	0.0126	0.0126	0.0126	0.0000	0.0126	0.0126	0.0126	0.0000	0.0126
Dom GSS	0.0318	0.0318	0.0318	0.0000	0.0318	0.0318	0.0318	0.0000	0.0318
Dom GSS TE	0.0318	0.0318	0.0318	0.0000	0.0318	0.0318	0.0318	0.0000	0.0318
Tranaco GSS	0.0544	0.0544	0.0544	0.0544	0.0544	0.0544	0.0544	0.0000	0.0544
Tranaco SS-2	0.0319	0.0319	0.0319	0.0319	0.0319	0.0319	0.0319	0.0000	0.0319
Egan FSS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TCO FSS	0.0155	0.0155	0.0155	0.0000	0.0155	0.0155	0.0155	0.0000	0.0155
<b>Withdrawal Rate</b>									
ANR FSS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0126	0.0126
Dom GSS	0.0180	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0180
Dom GSS TE	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0220	0.0220
Tranaco GSS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Tranaco SS-2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Egan FSS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TCO FSS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Transportation Rate</b>									
ANR FSS-TCO	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0105	0.0105
ANR FSS-Tei	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0105	0.0105
ANR SE-Egan	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ANR SE-TCO	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ANR SW-Teico	0.0000	0.0000	0.0204	0.0000	0.0000	0.0000	0.0000	0.0000	0.0204
FTS-6 FT	0.0014	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0014
FTS-7 FT	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0014	0.0014
Leach FTS	0.0000	0.0000	0.0194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0194
Lab FTS	0.0000	0.0000	0.0194	0.0000	0.0000	0.0000	0.0000	0.0194	0.0194
Lab NTS	0.0000	0.0000	0.0194	0.0000	0.0000	0.0000	0.0000	0.0194	0.0194
LL M1-M3 CDS	0.0000	0.0000	0.0618	0.0000	0.0000	0.0000	0.0000	0.0000	0.0618
M2-M3 CDS	0.0740	0.0740	0.0740	0.0000	0.0000	0.0740	0.0740	0.0740	0.0740
M2-M3 FT	0.0740	0.0740	0.0740	0.0000	0.0000	0.0000	0.0740	0.0740	0.0740
RIV FT	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0000	0.0014
SB1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Tranaco FT	0.0074	0.0074	0.0074	0.0074	0.0074	0.0074	0.0074	0.0074	0.0074
<b>Total Com Vol</b>	3,072,634	1,077,905	732,465	587,851	845,884	852,719	1,580,274	2,831,989	10,161,177
<b>Total Com Cost</b>	3,851,289	1,874,088	1,199,488	976,155	855,382	1,016,462	2,762,375	5,898,356	18,323,563
<b>Com Unit Rate</b>	\$1.858	\$1.739	\$1.636	\$1.720	\$1.490	\$1.567	\$1.742	\$2.012	\$1.803
<b>Total Dem Cost</b>	4,326,759	4,391,915	4,418,782	4,428,378	4,411,555	4,394,743	4,516,842	11,813,339	42,869,221
<b>Dem Unit Rate</b>	\$2.988	\$4.079	\$6.030	\$7.801	\$6.832	\$6.732	\$2.858	\$4.171	\$4.202
<b>Total System Costs</b>	8,178,058	6,266,002	5,618,247	5,404,331	5,266,927	5,411,205	7,268,317	17,511,697	61,022,784
<b>System Unit Rate</b>	\$3.948	\$5.813	\$7.688	\$9.321	\$8.312	\$8.290	\$4.589	\$6.184	\$6.005

UGI UTILITIES INC. - GAS UTILITIES DIVISION  
PROJECTED PURCHASED GAS COSTS IN (\$)  
UNDER NORMAL WEATHER  
3 MONTH PERIOD - APRIL THROUGH NOVEMBER  
DEMAND

	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	TOTAL
<b>Supply</b>									
Options	159,143	159,143	159,143	159,143	159,143	159,143	159,143	0	1,113,988
UGI ES Delivered Supply	115,500	115,500	115,500	115,500	115,500	115,500	115,500	115,500	824,000
Transco Delivered Supply	80,500	80,500	80,500	80,500	80,500	80,500	80,500	80,500	616,250
UGIES Peak SVC VI	0	0	0	0	0	0	0	0	989,877
Leadly Supply	5,181	5,354	5,181	5,354	5,354	5,181	5,354	5,181	42,140
Leadly Supply Credit - PNG	(105)	(105)	(105)	(105)	(105)	(105)	(105)	(105)	(851)
Leadly Supply Credit - CPG	(314)	(324)	(314)	(324)	(324)	(314)	(324)	(314)	(2,542)
UGI ES Peak SVC I	0	0	0	0	0	0	0	1,720,000	1,720,000
UGI ES Peak SVC II	0	0	0	0	0	0	0	2,041,887	2,041,887
UGI ES Peak SVC III	0	0	0	0	0	0	0	1,338,255	1,338,255
UGI ES Peak SVC IV	0	0	0	0	0	0	0	170,021	170,021
Peak SVC	0	0	0	0	0	0	0	2,336,713	2,336,713
UGIES Peak SVC V	0	0	0	0	0	0	0	700,143	700,143
<b>Storage Demand</b>									
ANR FSS	117,465	117,465	117,465	117,465	117,465	117,465	117,465	117,465	938,720
Dom GSS	12,417	12,417	12,417	12,417	12,417	12,417	12,417	12,417	98,338
Dom GSS TE	11,175	11,175	11,175	11,175	11,175	11,175	11,175	11,175	89,400
Transco GSS	5,275	5,451	5,275	5,451	5,451	5,275	5,451	5,275	42,907
Transco SS-2	62,277	64,353	62,277	64,353	64,353	62,277	64,353	62,277	506,822
Egon FSS	0	0	0	0	0	0	0	0	0
TCO FSS	172,068	172,068	172,068	172,068	172,068	172,068	172,068	172,068	1,378,706
<b>Storage Supply</b>									
ANR FSS	92,867	92,867	92,867	92,867	92,867	92,867	92,867	92,867	741,334
Dom GSS	9,667	9,667	9,667	9,667	9,667	9,667	9,667	9,667	77,334
Dom GSS TE	13,647	13,647	13,647	13,647	13,647	13,647	13,647	13,647	109,177
Transco GSS	1,624	1,678	1,624	1,678	1,678	1,624	1,678	1,624	13,206
Transco SS-2	22,474	23,223	22,474	23,223	23,223	22,474	23,223	22,474	182,788
Egon FSS	110,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000	880,000
TCO FSS	180,085	180,085	180,085	180,085	180,085	180,085	180,085	180,085	1,440,677
<b>Transportation</b>									
Transco-Santinel F7	116,132	120,003	116,132	120,003	120,003	116,132	120,003	116,132	944,841
Columbia FTS	573,542	573,542	573,542	573,542	573,542	573,542	573,542	573,542	4,688,332
Columbia NTS	114,495	114,495	114,495	114,495	114,495	114,495	114,495	114,495	916,960
Columbia SST	341,250	341,250	341,250	341,250	341,250	341,250	582,506	582,506	3,612,510
Columbia GULF FTS-1	85,834	85,834	85,834	85,834	85,834	85,834	85,834	0	600,838
Texas Eastern CDS	1,071,988	1,071,988	1,071,988	1,071,988	1,071,988	1,071,988	1,071,988	1,071,988	8,678,947
Texas Eastern FT-1	986,854	986,854	986,854	986,854	986,854	986,854	986,854	986,854	7,894,836
Texas Eastern FT M2 - M3	453,885	453,885	453,885	453,885	453,885	453,885	453,885	453,885	3,621,080
Texas Eastern LLFT	22,812	22,812	22,812	22,812	22,812	22,812	22,812	22,812	180,894
Texas Eastern FLEX-X	41,756	41,756	41,756	41,756	41,756	41,756	41,756	41,756	334,048
Texas Eastern FTS-7	38,867	38,867	38,867	38,867	38,867	38,867	38,867	38,867	309,336
Texas Eastern FTS-5	34,528	34,528	34,528	34,528	34,528	34,528	34,528	34,528	279,227
Transco PS-FT	0	0	0	0	0	0	0	0	0
Transco FT	102,512	105,929	102,512	105,929	105,929	102,512	105,929	102,512	833,783
Transco FTF	89,418	92,398	89,418	92,398	92,398	89,418	92,398	89,418	727,265
ANR FTS-1: FT SW TETCO	116,325	116,325	116,325	116,325	116,325	116,325	116,325	116,325	930,600
ANR FTS-1: Columbia	94,600	94,600	94,600	94,600	94,600	94,600	94,600	94,600	768,000
ANR FTS-1: FT SE Columbia	107,275	107,275	107,275	107,275	107,275	107,275	107,275	107,275	828,248
ANR FTS-1: FT SE TETCO	30,257	30,257	30,257	30,257	30,257	30,257	30,257	30,257	272,306
ANR FTS-1 Del to Storage	128,575	128,575	128,575	128,575	128,575	128,575	128,575	0	900,828
ANR FSS Storage Del - COL	0	0	0	0	0	0	0	30,738	30,738
ANR FSS Storage Del - TETCO	0	0	0	0	0	0	0	126,900	126,900
ANR FSS Storage Del - TETCO LLFT	0	0	0	0	0	0	0	74,640	74,640
Tobyhanna FT	5,742	5,441	4,543	4,961	4,585	4,014	5,110	6,979	42,874
UGI Central Penn Gas	42,800	42,800	42,800	42,800	42,800	42,800	42,800	42,800	342,408
<b>SUBTOTAL</b>	<b>8,770,813</b>	<b>8,782,994</b>	<b>8,788,814</b>	<b>8,782,215</b>	<b>8,782,139</b>	<b>8,788,088</b>	<b>8,123,919</b>	<b>16,449,958</b>	<b>68,219,727</b>
Non-Choice Cap Ret/Sharing Mech Credit	(78,448)	(77,342)	(78,448)	(77,342)	(77,342)	(78,448)	(116,161)	(162,321)	(746,831)
Choice Capacity Assignment Credits	(1,909,282)	(1,911,561)	(1,908,847)	(1,911,814)	(1,911,399)	(1,908,748)	(1,974,888)	(2,985,148)	(10,117,288)
DS Credits	(278,835)	(223,068)	(187,228)	(188,198)	(202,744)	(208,835)	(338,821)	(406,961)	(2,026,011)
Supplemental \$1 Credits	(84,000)	(80,000)	(84,000)	(84,000)	(80,000)	(80,000)	(80,000)	(80,000)	(640,000)
Risk Mgt Tools	811	811	811	811	811	811	811	811	7,291
<b>Total Demand Cost</b>	<b>4,328,769</b>	<b>4,391,816</b>	<b>4,418,782</b>	<b>4,428,176</b>	<b>4,411,568</b>	<b>4,384,743</b>	<b>4,516,942</b>	<b>11,813,339</b>	<b>42,899,221</b>



UGI UTILITIES INC. - GAS UTILITIES DIVISION  
PROJECTED PURCHASE GAS COSTS IN (\$)  
UNDER NORMAL WEATHER  
12 MONTH PERIOD - APRIL THROUGH NOVEMBER  
COMMODITY

	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	TOTAL
<b>Supply Cost</b>									
Trigger Flex	313,440	182,904	181,760	174,344	177,198	172,320	188,789	0	1,360,413
Trigger Lead	937,440	933,243	724,547	756,303	652,215	686,332	963,860	0	6,433,840
MoTracoCall	0	0	0	0	0	0	0	0	0
Trigger Top	0	0	0	0	0	0	0	0	0
Spot ANR SE	0	0	0	0	0	0	0	0	0
Spot M2	2,118,246	528,416	227,227	0	0	44,132	1,254,827	3,781,556	7,964,404
Spot Divd Supply	0	0	0	0	0	0	0	0	0
Spot Lency	349,080	273,463	180,273	182,885	233,970	181,036	313,278	1,274,081	3,000,878
Spot TCO/Pool	0	0	0	0	0	0	0	0	0
Gas Beyond M	48,839	68,155	9,674	6,849	9,868	10,741	12,013	57,948	226,867
Asset Management Rpt#	4,105,124	3,880,398	3,873,253	3,987,455	3,883,051	3,878,153	3,956,442	0	27,878,877
<b>Injection Cost</b>									
ANR FSS	5,004	5,004	5,004	5,004	5,004	5,004	5,004	0	36,028
Dom GSS	3,029	3,029	3,029	3,029	3,029	3,029	3,029	0	21,200
Dom GSS TE	3,592	3,592	3,592	3,592	3,592	3,592	3,592	0	28,141
Tranaco GSS	649	828	888	833	781	758	743	0	6,688
Tranaco SS-2	2,539	4,570	4,228	4,131	4,082	3,300	2,539	0	28,388
Egan FSS	0	0	0	0	0	0	0	0	0
TCO FSS	11,374	11,374	11,374	11,374	11,374	11,374	11,374	0	79,818
<b>Withdrawal Cost</b>									
ANR FSS	0	0	0	0	0	0	0	4,904	4,904
Dom GSS	720	0	0	0	0	0	0	0	720
Dom GSS TE	0	0	0	0	0	0	0	2,908	2,908
Tranaco GSS	0	0	0	0	0	0	0	0	0
Tranaco SS-2	0	0	0	0	0	0	0	0	0
Egan FSS	0	0	0	0	0	0	0	0	0
TCO FSS	0	0	0	0	0	0	0	0	0
<b>Transportation Cost</b>									
ANR FSS-TCO	0	0	0	0	0	0	0	1,614	1,614
ANR FSS-Tei	0	0	0	0	0	0	0	2,427	2,427
ANR SE-Egan	0	0	0	0	0	0	0	0	0
ANR SE-TCO	0	0	0	0	0	0	0	0	0
ANR SW-Traco	0	0	207	0	0	0	0	0	207
FTS-5 FT	56	0	0	0	0	0	0	0	56
FTS-7 FT	0	0	0	0	0	0	0	181	181
Leach FTS	0	0	225	0	0	0	0	0	228
Lab FTS	0	0	89	0	0	0	0	2,730	2,819
Lab NTS	0	0	102	0	0	0	0	195	297
LL M1-M3 CDS	0	0	1,215	0	0	0	0	0	1,216
M2-M3 CDS	22,200	20,520	740	0	0	2,361	22,940	22,200	91,961
M2 M3 FT	73,539	7,444	8,684	0	0	0	37,828	137,488	282,792
RN FT	168	174	168	174	174	168	174	0	1,198
SST	0	0	0	0	0	0	0	0	0
Tranaco FTF	5,297	5,380	4,485	4,336	4,889	4,551	5,280	5,190	39,418
<b>Subtotal Cost</b>	<b>8,000,283</b>	<b>8,918,364</b>	<b>8,270,783</b>	<b>8,146,108</b>	<b>8,988,223</b>	<b>8,008,848</b>	<b>8,811,611</b>	<b>8,283,418</b>	<b>66,296,870</b>
<b>Injected Value</b>	<b>4,229,618</b>	<b>4,045,268</b>	<b>4,031,289</b>	<b>4,168,863</b>	<b>4,033,861</b>	<b>3,990,387</b>	<b>4,069,238</b>	<b>0</b>	<b>28,849,611</b>
<b>Withdrawal Value</b>	<b>71,885</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,208,307</b>	<b>0</b>	<b>1,279,972</b>
<b>Choice Bundled Sale Credit</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>(803,368)</b>	<b>(803,368)</b>
<b>Options Credit</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Cost</b>	<b>3,881,289</b>	<b>1,874,088</b>	<b>1,198,485</b>	<b>976,185</b>	<b>966,362</b>	<b>1,016,462</b>	<b>2,762,376</b>	<b>8,686,368</b>	<b>18,323,563</b>



UGI UTILITIES INC. - GAS UTILITIES DIVISION  
PROJECTED SUPPLY VOLUMES IN DTH OR DTH/D  
UNDER NORMAL WEATHER  
12 MONTH PERIOD - DECEMBER THROUGH NOVEMBER  
COMMODITY

	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	TOTAL
<b>Supply Volumes</b>													
Trigger Flex	0	0	0	0	0	0	0	0	0	0	0	0	0
Trigger Lmt	0	0	0	0	0	0	0	0	0	0	0	0	0
MoTmscoCall	0	0	35,003	0	0	0	0	0	0	0	0	0	35,003
Trigger TCO Pool	64,635	64,635	0	0	0	0	0	0	0	0	0	0	129,270
Spot ANR SE	153,050	0	0	0	0	0	0	0	0	0	0	0	153,050
Spot M2	2,897,554	2,897,153	2,638,407	1,972,817	1,418,501	643,853	245,326	30,717	78,452	107,047	1,136,205	2,047,477	15,805,400
Spot Cnd Supply	310,000	310,000	32,874	0	0	0	0	0	0	0	0	0	852,874
Spot Lany	731,011	731,011	683,846	731,011	707,430	731,011	707,430	731,011	731,011	707,430	731,011	707,430	8,830,846
Spot TCOPool	80,516	532,159	0	0	0	0	0	0	0	0	0	0	893,269
Gas Beyond M	7,861	12,180	10,778	8,947	3,781	5,342	668	575	753	811	903	4,332	57,900
Asset Management Retire	0	0	0	0	1,538,952	1,328,952	1,338,952	1,338,952	1,338,952	1,338,952	1,338,952	0	9,373,662
<b>Injected Volumes</b>													
ANR FSS	0	0	0	0	397,144	397,144	397,144	397,144	397,144	397,144	397,141	0	2,780,005
Dom GSS	0	0	0	0	95,238	95,238	95,238	95,238	95,238	95,238	95,238	0	868,667
Dom GSS TE	0	0	0	0	112,941	112,941	112,941	112,941	112,941	112,941	112,941	0	790,587
Transco GSS	0	0	0	0	11,817	17,080	15,990	15,273	14,348	13,885	13,890	0	102,128
Transco SS-2	0	0	0	0	75,695	163,781	131,437	113,258	127,512	111,573	78,695	0	796,850
Egan FSS	150,000	0	0	0	0	0	0	0	0	0	0	0	150,000
TCO FSS	0	0	0	0	733,629	733,629	733,629	733,629	733,629	733,629	733,629	0	6,135,403
<b>Withdrawal Volumes</b>													
ANR FSS	583,901	778,401	811,001	417,001	0	0	0	0	0	0	0	361,401	2,752,205
Dom GSS	165,800	180,867	160,000	136,200	23,800	0	0	0	0	0	0	0	868,667
Dom GSS TE	162,730	186,000	147,089	182,705	0	0	0	0	0	0	0	132,583	790,587
Transco GSS	0	44,937	38,766	20,426	0	0	0	0	0	0	0	0	102,128
Transco SS-2	197,789	224,595	190,238	175,329	0	0	0	0	0	0	0	0	796,850
Egan FSS	0	0	87,500	52,500	0	0	0	0	0	0	0	0	150,000
TCO FSS	800,130	1,563,234	1,500,705	1,171,334	0	0	0	0	0	0	0	0	5,135,403
Transport/Watng Fuel	140,021	161,294	142,408	106,514	46,118	23,134	10,705	4,258	5,748	6,454	37,683	80,320	764,728
<b>Total Demand Served</b>	<b>5,395,688</b>	<b>6,560,291</b>	<b>6,507,621</b>	<b>4,288,382</b>	<b>2,015,872</b>	<b>1,168,031</b>	<b>786,234</b>	<b>829,467</b>	<b>842,868</b>	<b>883,378</b>	<b>1,737,071</b>	<b>2,863,279</b>	<b>32,322,758</b>
<b>Total Cheeze Bundled Demand</b>	<b>841,288</b>	<b>604,180</b>	<b>503,781</b>	<b>458,394</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>308,134</b>	<b>2,414,747</b>
<b>Transportation</b>													
ANR FSS-TCO	158,813	158,813	148,587	158,813	0	0	0	0	0	0	0	153,890	778,886
ANR FSS-TM	418,391	610,703	458,123	253,478	0	0	0	0	0	0	0	203,627	1,942,409
ANR SE-Egan	152,284	0	0	0	0	0	0	0	0	0	0	0	152,284
ANR SE-TCO	0	0	86,018	51,702	0	0	0	0	0	0	0	0	147,720
ANR SW-Tico	0	0	0	0	0	0	10,138	0	0	0	0	0	10,138
Egan ANR SE	0	0	97,500	52,500	0	0	0	0	0	0	0	0	150,000
FTS-5 FT	165,800	180,867	160,000	136,200	23,800	0	0	0	0	0	0	0	868,667
FTS-7 FT	159,475	182,290	144,128	156,451	0	0	0	0	0	0	0	129,441	774,775
Lack FTIS	67,536	378,990	0	0	0	0	11,379	0	0	0	0	0	487,827
Leh FTIS	184,783	258,328	197,488	172,897	0	0	4,590	0	0	0	0	0	843,735
Leh NTS	29,200	104,828	42,518	33,610	0	0	5,258	0	0	0	0	25,132	237,737
LL M1-M3 CDS	0	0	0	0	0	0	24,368	0	0	0	0	0	24,368
M2-M3 CDS	310,000	310,000	290,000	280,000	300,000	309,084	88,591	26,783	73,469	100,590	310,000	300,000	2,701,488
M2-M3 FT	2,897,384	2,897,384	2,710,458	1,678,513	1,075,486	315,001	90,453	0	2,598	3,233	791,664	1,882,670	14,544,922
RV FT	0	0	0	0	0	0	0	0	0	0	0	0	0
SST	683,162	1,533,787	1,472,416	1,149,255	0	0	0	0	0	0	0	0	5,638,604
Transco FTF	728,672	728,672	681,981	728,672	705,166	728,672	705,166	728,672	728,672	705,166	728,672	705,166	6,803,028



UGI UTILITIES INC. - GAS UTILITIES DIVISION  
PROJECTED SUPPLY UNIT RATE \$/DTH  
UNDER NORMAL WEATHER  
12 MONTH PERIOD - DECEMBER THROUGH NOVEMBER  
COMMODITY

	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	AVERAGE
<b>Supply Rate</b>													
Trigger Firm	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trigger Lev	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MoTransoCell	0.0000	0.0000	3.5025	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	3.5025
Trigger TCO Pool	2.3015	2.3015	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.3015
Spot ANR SE	2.8475	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.8475
Spot M2	2.0650	2.2640	2.2670	2.2350	1.8960	1.8980	1.6880	1.8020	1.7065	1.5920	1.7200	2.2210	2.1067
Spot Dnet Supply	2.2150	2.4140	2.4170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.3197
Spot Levy	1.9700	2.1690	2.1720	2.1390	1.6140	1.4230	1.4130	1.5470	1.4315	1.3170	1.4450	2.2160	1.7367
Spot TCO Pool	2.7300	2.8115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.8032
Gas Beyond M	13.4438	13.5601	13.5122	13.2752	13.1569	13.1571	13.1973	13.2490	13.3008	13.4236	13.4925	13.5602	13.4092
Asset Management Ref	0.0000	0.0000	0.0000	0.0000	2.7483	2.7014	2.7116	2.6544	2.5157	2.3640	2.4329	0.0000	2.6069
<b>Injection Rate</b>													
ANR FSS	0.0000	0.0000	0.0000	0.0000	0.0126	0.0126	0.0126	0.0126	0.0126	0.0126	0.0126	0.0000	0.0126
Dom GSS	0.0000	0.0000	0.0000	0.0000	0.0318	0.0318	0.0318	0.0318	0.0318	0.0318	0.0318	0.0000	0.0318
Dom GSS TE	0.0000	0.0000	0.0000	0.0000	0.0318	0.0318	0.0318	0.0318	0.0318	0.0318	0.0318	0.0000	0.0318
Transco GSS	0.0000	0.0000	0.0000	0.0000	0.0544	0.0544	0.0544	0.0544	0.0544	0.0544	0.0544	0.0000	0.0544
Transco SS-2	0.0000	0.0000	0.0000	0.0000	0.0316	0.0319	0.0315	0.0319	0.0319	0.0319	0.0319	0.0000	0.0319
Egan FSS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TCO FSS	0.0000	0.0000	0.0000	0.0000	0.0155	0.0155	0.0155	0.0156	0.0155	0.0155	0.0155	0.0000	0.0155
<b>Withdrawal Rate</b>													
ANR FSS	0.0126	0.0126	0.0126	0.0126	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0126	0.0126
Dom GSS	0.0180	0.0180	0.0180	0.0180	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0180
Dom GSS TE	0.0220	0.0220	0.0220	0.0220	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0220	0.0220
Transco GSS	0.0000	0.0441	0.0441	0.0441	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0441
Transco SS-2	0.0317	0.0317	0.0317	0.0317	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0317
Egan FSS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TCO FSS	0.0153	0.0153	0.0153	0.0153	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0153
<b>Transportation Rate</b>													
ANR FSS-TCO	0.0105	0.0105	0.0105	0.0105	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0105	0.0105
ANR FSS-Tot	0.0105	0.0105	0.0105	0.0105	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0105	0.0105
ANR SE-Egan	0.0139	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0139
ANR SE-TCO	0.0000	0.0000	0.0139	0.0139	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0139
ANR SW-Transo	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0264	0.0000	0.0000	0.0000	0.0000	0.0000	0.0264
FTS-5 FT	0.0014	0.0014	0.0014	0.0014	0.0014	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0014
FTS-7 FT	0.0014	0.0014	0.0014	0.0014	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0014	0.0014
Leach FTS	0.0194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0194
Lab FTS	0.0194	0.0194	0.0194	0.0194	0.0000	0.0000	0.0194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0194
Leo FTS	0.0194	0.0194	0.0194	0.0194	0.0000	0.0000	0.0194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0194
LL M1-M3 CDS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0018	0.0000	0.0000	0.0000	0.0000	0.0000	0.0018
M2-M3 CDS	0.0740	0.0740	0.0740	0.0740	0.0740	0.0740	0.0740	0.0740	0.0740	0.0740	0.0740	0.0740	0.0740
M2-M3 FT	0.0740	0.0740	0.0740	0.0740	0.0740	0.0740	0.0740	0.0000	0.0740	0.0740	0.0740	0.0740	0.0740
RIV FT	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SST	0.0194	0.0194	0.0194	0.0194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0194
Transco FTF	0.0074	0.0074	0.0074	0.0074	0.0074	0.0074	0.0074	0.0074	0.0074	0.0074	0.0074	0.0074	0.0074
<b>Total Com Vol</b>	5,395,958	5,580,291	5,507,621	4,288,363	2,015,872	1,186,031	795,234	829,487	662,608	583,376	1,737,071	2,963,278	32,322,799
<b>Total Com Cost</b>	12,038,366	16,967,272	13,184,956	10,048,789	3,904,095	2,031,073	1,255,491	1,022,408	1,018,076	980,833	2,996,446	8,842,044	71,289,662
<b>Com Unit Rate</b>	\$2.231	\$2.324	\$2.394	\$2.344	\$1.937	\$1.712	\$1.578	\$1.624	\$1.526	\$1.435	\$1.724	\$2.990	\$2.206
<b>Total Dist Cost</b>	10,383,208	10,097,217	8,716,027	8,998,184	3,564,202	3,647,174	3,768,015	3,512,633	3,546,031	3,822,014	3,748,830	10,776,707	74,569,102
<b>Dist Unit Rate</b>	\$1.926	\$1.830	\$1.583	\$2.099	\$1.763	\$3.075	\$4.726	\$4.268	\$5.365	\$6.559	\$2.166	\$3.654	\$2.308
<b>Total System Costs</b>	22,421,574	27,064,489	21,900,983	19,046,974	7,468,297	6,678,249	5,013,506	4,535,102	4,564,107	4,802,847	6,741,076	17,619,751	145,879,054
<b>System Unit Rate</b>	\$4.158	\$4.851	\$3.978	\$4.464	\$3.756	\$5.788	\$6.304	\$5.525	\$6.921	\$8.228	\$3.881	\$6.153	\$4.513

UGI UTILITIES INC. - GAS UTILITIES DIVISION  
PROJECTED PURCHASED GAS COSTS IN (\$)  
UNDER NORMAL WEATHER  
12 MONTH PERIOD - DECEMBER THROUGH NOVEMBER  
DEMAND

	Dec-16	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	TOTAL
<b>Supply</b>													
Options	0	159,143	159,143	159,143	159,143	159,143	159,143	159,143	159,143	159,143	159,143	0	1,891,428
UGI ES Delivered Supply	115,500	115,500	115,500	115,500	115,500	115,500	115,500	115,500	115,500	115,500	115,500	115,500	1,398,000
Tranaco Delivered Supply	254,975	254,975	254,975	254,975	254,975	254,975	254,975	254,975	254,975	254,975	254,975	254,975	3,019,350
UGIES Peak SVC VI	899,577	899,577	899,577	899,577	899,577	899,577	899,577	899,577	899,577	899,577	899,577	899,577	4,447,885
Leidy Supply	5,354	5,354	5,008	5,354	5,181	5,354	5,181	5,354	5,354	5,181	5,354	5,181	63,210
Leidy Supply Credit - PNG	(108)	(108)	(101)	(108)	(105)	(108)	(105)	(108)	(108)	(105)	(108)	(105)	(1,276)
Leidy Supply Credit - CPG	(324)	(324)	(323)	(324)	(314)	(324)	(314)	(324)	(324)	(314)	(324)	(314)	(3,828)
UGI ES Peak SVC I	1,720,000	1,720,000	1,720,000	1,720,000	0	0	0	0	0	0	0	1,720,000	6,600,000
UGI ES Peak SVC II	2,041,667	2,041,667	0	0	0	0	0	0	0	0	0	2,041,667	8,126,000
UGI ES Peak SVC III	1,338,255	1,338,255	1,338,255	1,338,255	0	0	0	0	0	0	0	1,338,255	8,491,276
UGI ES Peak SVC IV	170,021	170,021	170,021	170,021	0	0	0	0	0	0	0	170,021	880,104
Peak SVC	2,336,713	2,336,713	2,336,713	2,336,713	0	0	0	0	0	0	0	2,336,713	11,643,686
UGIES Peak SVC V	700,143	700,143	700,143	700,143	0	0	0	0	0	0	0	1,069,877	3,870,449
<b>Storage Demand</b>													
ANR FSS	117,465	117,465	117,465	117,465	117,465	117,465	117,465	117,465	117,465	117,465	117,465	117,465	1,409,580
Dom GSS	12,417	12,417	12,417	12,417	12,417	12,417	12,417	12,417	12,417	12,417	12,417	12,417	149,008
Dom GSS TE	11,175	11,175	11,175	11,175	11,175	11,175	11,175	11,175	11,175	11,175	11,175	11,175	134,100
Tranaco GSS	5,451	5,451	5,100	5,451	5,275	5,451	5,275	5,451	5,451	5,275	5,451	5,275	64,300
Tranaco SS-2	64,353	64,353	62,377	64,353	62,377	64,353	62,377	64,353	64,353	62,377	64,353	62,377	758,783
Egan FSS	0	0	0	0	0	0	0	0	0	0	0	0	0
TCO FSS	172,088	172,088	172,088	172,088	172,088	172,088	172,088	172,088	172,088	172,088	172,088	172,088	2,068,058
<b>Storage Capacity</b>													
ANR FSS	92,667	92,667	92,667	92,667	92,667	92,667	92,667	92,667	92,667	92,667	92,667	92,667	1,112,002
Dom GSS	9,667	9,667	9,667	9,667	9,667	9,667	9,667	9,667	9,667	9,667	9,667	9,667	116,000
Dom GSS TE	13,647	13,647	13,647	13,647	13,647	13,647	13,647	13,647	13,647	13,647	13,647	13,647	163,766
Tranaco GSS	1,678	1,678	1,678	1,678	1,624	1,678	1,624	1,678	1,678	1,624	1,678	1,624	19,811
Tranaco SS-2	23,223	23,223	21,725	23,223	22,474	23,223	22,474	23,223	23,223	22,474	23,223	22,474	274,183
Egan FSS	110,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000	1,320,000
TCO FSS	180,085	180,085	180,085	180,085	180,085	180,085	180,085	180,085	180,085	180,085	180,085	180,085	2,181,018
<b>Transportation</b>													
Tranaco Smbrel FT	120,003	120,003	112,261	120,003	116,132	120,003	116,132	120,003	120,003	116,132	120,003	116,132	1,416,812
Columbia FTS	626,713	626,713	626,713	626,713	626,713	626,713	626,713	626,713	626,713	626,713	626,713	626,713	7,544,688
Columbia NTS	123,330	123,330	123,330	123,330	123,330	123,330	123,330	123,330	123,330	123,330	123,330	123,330	1,479,960
Columbia SST	750,034	750,034	750,034	750,034	375,014	375,014	375,014	375,014	375,014	375,014	750,034	750,034	6,750,284
Columbia GULF FTS-1	0	0	0	0	0	0	0	0	0	0	0	0	0
Texas Eastern GDS	1,071,968	1,071,968	1,071,968	1,071,968	1,071,968	1,071,968	1,071,968	1,071,968	1,071,968	1,071,968	1,071,968	1,071,968	12,863,891
Texas Eastern FT-1	966,854	966,854	966,854	966,854	966,854	966,854	966,854	966,854	966,854	966,854	966,854	966,854	11,642,253
Texas Eastern FT M2 - M3	453,885	453,885	453,885	453,885	453,885	453,885	453,885	453,885	453,885	453,885	453,885	453,885	6,446,830
Texas Eastern LLFT	22,612	22,612	22,612	22,612	22,612	22,612	22,612	22,612	22,612	22,612	22,612	22,612	271,342
Texas Eastern FLEX-X	41,756	41,756	41,756	41,756	41,756	41,756	41,756	41,756	41,756	41,756	41,756	41,756	601,072
Texas Eastern FTS-7	38,667	38,667	38,667	38,667	38,667	38,667	38,667	38,667	38,667	38,667	38,667	38,667	484,003
Texas Eastern FTS-5	34,528	34,528	34,528	34,528	34,528	34,528	34,528	34,528	34,528	34,528	34,528	34,528	414,341
Tranaco PS-FT	36,665	36,665	37,134	36,665	0	0	0	0	0	0	0	0	116,828
Tranaco FT	105,929	105,929	99,095	105,929	102,512	105,929	102,512	105,929	105,929	102,512	105,929	102,512	1,256,844
Tranaco FT	92,398	92,398	86,437	92,398	89,418	92,398	89,418	92,398	92,398	89,418	92,398	89,418	1,096,897
ANR FTS-1 FT SW TETCO	116,325	116,325	116,325	116,325	116,325	116,325	116,325	116,325	116,325	116,325	116,325	116,325	1,396,990
ANR FTS-1 Columbia	94,600	94,600	94,600	94,600	94,600	94,600	94,600	94,600	94,600	94,600	94,600	94,600	1,136,280
ANR FTS-1 FT SE Columbia	164,324	164,324	164,324	164,324	167,275	164,324	167,275	164,324	167,275	164,324	167,275	164,324	1,872,846
ANR FTS-1 FT SE TETCO	60,508	60,508	60,508	60,508	30,257	30,257	30,257	30,257	30,257	30,257	30,257	60,508	814,337
ANR FTS-1 Del to Storage	0	0	0	0	126,575	126,575	126,575	126,575	126,575	126,575	126,575	126,575	900,028
ANR FSS Storage Del - COL	30,738	30,738	30,738	30,738	0	0	0	0	0	0	0	30,738	353,690
ANR FSS Storage Del - TETCO	126,900	126,900	126,900	126,900	0	0	0	0	0	0	0	126,900	634,600
ANR FSS Storage Del - TETCO LLFT	74,840	74,840	74,840	74,840	0	0	0	0	0	0	0	74,840	372,200
Toiyama FT	7,779	10,228	9,531	9,017	6,747	5,441	4,543	4,881	4,585	4,014	5,110	8,979	79,828
UGI Central Penn Gas	42,800	42,800	42,800	42,800	42,800	42,800	42,800	42,800	42,800	42,800	42,800	42,800	513,600
<b>SUBTOTAL</b>	<b>16,634,686</b>	<b>16,798,287</b>	<b>13,758,348</b>	<b>13,744,615</b>	<b>5,348,899</b>	<b>3,969,468</b>	<b>5,968,809</b>	<b>6,968,826</b>	<b>6,968,560</b>	<b>5,946,271</b>	<b>6,344,088</b>	<b>16,842,227</b>	<b>116,888,920</b>
Non-Choice Cap Ret/Sharing Mech Credit	(388,078)	(837,712)	(791,848)	(677,318)	(580,820)	(441,871)	(387,141)	(626,651)	(644,768)	(283,730)	(429,888)	(600,713)	(6,307,324)
Choice Capacity Assignment Credits	(3,824,302)	(3,824,912)	(3,305,852)	(3,308,613)	(1,373,115)	(1,378,196)	(1,373,687)	(1,378,061)	(1,377,883)	(1,372,438)	(1,471,486)	(3,756,838)	(27,736,501)
DS Credits	(953,019)	(967,287)	(816,612)	(763,413)	(641,478)	(423,070)	(349,984)	(372,291)	(378,880)	(388,003)	(617,832)	(734,886)	(7,207,528)
Supplement #1 Credits	(80,000)	(80,000)	(80,000)	(80,000)	(80,000)	(80,000)	(80,000)	(80,000)	(80,000)	(80,000)	(80,000)	(80,000)	(960,000)
Risk Mgt Tools	911	911	911	911	911	911	911	911	911	911	911	911	10,937
<b>Total Demand Cost</b>	<b>10,383,308</b>	<b>10,097,217</b>	<b>6,716,027</b>	<b>6,998,184</b>	<b>3,584,203</b>	<b>2,647,174</b>	<b>3,788,016</b>	<b>3,812,693</b>	<b>3,866,031</b>	<b>3,822,014</b>	<b>3,746,830</b>	<b>10,776,787</b>	<b>74,588,102</b>

UGI UTILITIES INC. - GAS UTILITIES DIVISION  
PROJECTED PURCHASE GAS COSTS IN (\$)  
UNDER NORMAL WEATHER  
12 MONTH PERIOD - DECEMBER THROUGH NOVEMBER  
COMMUNITY

	Dec-16	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	TOTAL
<b>Supply Cost</b>													
Trigger Flex	0	0	0	0	0	0	0	0	0	0	0	0	0
Trigger Load	0	0	0	0	0	0	0	0	0	0	0	0	0
MoTimeCoast	0	0	122,508	0	0	0	0	0	0	0	0	0	122,508
Trigger TCoP	154,575	154,575	0	0	0	0	0	0	0	0	0	0	309,150
Spot ANR SE	435,809	0	0	0	0	0	0	0	0	0	0	0	435,809
Spot M2	5,965,930	6,108,354	5,081,268	4,405,269	2,679,719	1,082,922	414,113	55,907	133,878	170,419	1,954,273	4,547,445	23,808,688
Spot Divd Supply	686,650	748,340	79,455	0	0	0	0	0	0	0	0	0	1,614,445
Spot Lady	1,440,092	1,585,583	1,485,320	1,562,901	1,141,782	1,040,225	959,599	1,130,874	1,046,442	931,665	1,086,311	1,567,665	14,388,473
Spot TCOPool	165,209	1,487,634	0	0	0	0	0	0	0	0	0	0	1,652,843
Gas Beyond MI	105,855	165,155	145,634	132,030	49,742	70,286	8,818	6,957	10,012	10,885	12,180	58,747	776,298
Asset Management Refill	0	0	0	0	3,678,893	3,617,036	3,630,700	3,554,179	3,502,254	3,192,069	3,257,584	0	24,433,718
<b>Injection Cost</b>													
ANR FSS	0	0	0	0	5,004	5,004	5,004	5,004	5,004	5,004	5,004	0	36,028
Dorn GSS	0	0	0	0	3,029	3,029	3,029	3,029	3,029	3,029	3,029	0	21,200
Dorn GSS TE	0	0	0	0	3,582	3,582	3,582	3,582	3,582	3,582	3,582	0	25,141
Transco GSS	0	0	0	0	648	926	969	631	781	756	745	0	6,688
Transco SS-2	0	0	0	0	2,539	4,969	4,187	3,608	4,062	3,554	2,539	0	25,288
Egan FSS	0	0	0	0	0	0	0	0	0	0	0	0	0
TCO FSS	0	0	0	0	11,374	11,374	11,374	11,374	11,374	11,374	11,374	0	79,819
<b>Withdrawal Cost</b>													
ANR FSS	7,358	9,608	7,708	5,254	0	0	0	0	0	0	0	4,554	34,478
Dorn GSS	2,984	3,256	2,890	2,452	428	0	0	0	0	0	0	0	12,000
Dorn GSS TE	3,580	4,062	3,290	3,580	0	0	0	0	0	0	0	2,906	17,383
Transco GSS	0	1,981	1,621	900	0	0	0	0	0	0	0	0	4,402
Transco SS-2	8,272	7,122	6,318	5,560	0	0	0	0	0	0	0	0	26,271
Egan FSS	0	0	0	0	0	0	0	0	0	0	0	0	0
TCO FSS	13,777	23,918	22,961	17,921	0	0	0	0	0	0	0	0	78,472
<b>Transportation Cost</b>													
ANR FSS-TCO	1,669	1,958	1,560	1,668	0	0	0	0	0	0	0	1,614	8,176
ANR FSS-Ter	4,393	6,413	4,789	2,862	0	0	0	0	0	0	0	2,136	20,595
ANR SE-Egan	2,117	0	0	0	0	0	0	0	0	0	0	0	2,117
ANR SE-TCO	0	0	1,335	719	0	0	0	0	0	0	0	0	2,053
ANR SW-Telco	0	0	0	0	0	0	207	0	0	0	0	0	207
FTS-5 FT	232	253	224	191	33	0	0	0	0	0	0	0	933
FTS-7 FT	223	255	207	223	0	0	0	0	0	0	0	181	1,085
Leap FTS	1,311	7,347	0	0	0	0	225	0	0	0	0	0	8,882
Lab FTS	3,564	5,012	3,631	3,355	0	0	86	0	0	0	0	2,438	16,206
Lab HTS	510	2,036	825	852	0	0	102	0	0	0	0	0	4,612
LL M1-M3 COS	0	0	0	0	0	0	2,239	0	0	0	0	0	2,239
M2-M3 COS	22,940	22,940	21,490	20,720	22,200	22,872	8,558	2,204	6,437	7,442	22,940	22,200	198,910
M2-M3 FT	214,406	214,406	200,574	139,017	78,585	23,310	6,894	0	182	230	58,563	139,318	1,076,324
RIV FT	0	0	0	0	0	0	0	0	0	0	0	0	0
SST	17,133	29,755	28,585	22,296	0	0	0	0	0	0	0	0	97,749
Transco FT	5,363	5,363	5,017	5,363	5,190	5,363	5,190	5,363	5,363	5,190	5,363	5,190	43,318
<b>Subtotal Cost</b>	<b>9,263,064</b>	<b>10,603,644</b>	<b>8,127,377</b>	<b>6,382,781</b>	<b>7,884,788</b>	<b>6,800,844</b>	<b>6,102,626</b>	<b>4,782,881</b>	<b>4,731,418</b>	<b>6,345,238</b>	<b>6,283,818</b>	<b>6,354,683</b>	<b>78,623,121</b>
<b>Injected Value</b>	<b>437,828</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,833,277</b>	<b>3,869,789</b>	<b>3,847,338</b>	<b>3,790,872</b>	<b>3,713,343</b>	<b>3,364,368</b>	<b>3,398,071</b>	<b>0</b>	<b>26,224,897</b>
<b>Withdrawal Value</b>	<b>4,681,697</b>	<b>6,801,345</b>	<b>6,338,680</b>	<b>4,877,469</b>	<b>82,656</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,318,286</b>	<b>0</b>	<b>24,061,052</b>
<b>Choice Bundled Sale Credit</b>	<b>(1,377,478)</b>	<b>(1,637,517)</b>	<b>(1,281,971)</b>	<b>(1,181,431)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>(831,234)</b>	<b>(6,189,624)</b>
<b>Options Credit</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Cost</b>	<b>12,036,366</b>	<b>15,967,371</b>	<b>13,164,956</b>	<b>10,948,789</b>	<b>3,904,986</b>	<b>2,931,976</b>	<b>1,356,681</b>	<b>1,022,409</b>	<b>1,018,078</b>	<b>969,933</b>	<b>2,985,644</b>	<b>5,542,044</b>	<b>71,229,382</b>

UGI UTILITIES INC. - GAS DIVISION  
RATE IS AND IL  
VOLUME AND COST

	APR-14	MAY-14	JUN-14	JUL-14	AUG-14	SEP-14	OCT-14	NOV-14	DEC-14	JAN-15	FEB-15	MAR-15	TOTAL
VOLUME(DTH)	2,736	(1,026)	48	23	15	18	33	280	1,186	1,313	1,628	1,609	7,863
COST(\$)	12,051	(4,543)	152	67	36	37	67	750	3,861	2,785	4,768	3,735	23,766



UGI UTILITIES INC. - GAS DIVISION  
END USER TRANSPORTATION - DELIVERY SERVICE  
VOLUME

HISTORIC PERIOD	APR-14	MAY-14	JUN-14	JUL-14	AUG-14	SEP-14	OCT-14	NOV-14	DEC-14	JAN-15	FEB-15	MAR-15
VOLUME (DTH)	5,657,845	5,819,709	6,826,798	7,364,227	7,327,989	7,398,779	8,266,263	6,636,595	10,232,584	10,903,268	8,530,080	9,956,824
PROJECTED PERIOD	APR-15	MAY-15	JUN-15	JUL-15	AUG-15	SEP-15	OCT-15	NOV-15				
VOLUME (DTH)	8,152,583	7,189,336	6,889,276	7,082,132	7,007,972	6,655,746	7,977,622	9,029,427				
PROJECTED PERIOD	DEC-15	JAN-16	FEB-16	MAR-16	APR-16	MAY-16	JUN-16	JUL-16	AUG-16	SEP-16	OCT-16	NOV-16
VOLUME (DTH)	10,391,308	10,298,779	9,903,162	9,659,514	8,181,797	7,207,526	6,920,179	7,090,778	7,036,102	6,677,605	7,757,915	8,797,149

UGI UTILITIES, INC. - GAS DIVISION  
6/1/15 SECTION 1307(f) FILING

SECTION 2-A [52 Pa. Code §53.64(c)(3)] OTHER SOURCES OF GAS SUPPLY

A complete listing of sources of gas supply transportation or storage and their costs, including shut-in and curtailed sources of supply, both inside and outside this Commonwealth considered by or offered to the utility but not chosen for use during the past 12 months, which 12-month period shall end 2 months prior to the date of the tariff filing, and the reasons why the gas, transportation or storage was not selected for use as a part of the utility supply mix.

RESPONSE:

The response is applicable to the 12-month period ended March 31, 2015. UGI implements its least cost procurement strategy while balancing reliability and price stability by managing a portfolio of supplies from a diverse set of sources. During the 12-month historic period, April 2014 through March 2015, UGI purchased its supplies, including those utilized for storage injection, from producers and marketers. These purchases were delivered via Firm Transportation on ANR, Columbia, Columbia Gulf, Dominion, Tennessee, Texas Eastern, and Transco; via direct supply from UGI Energy Services; or via peaking facilities directly connected to UGI's distribution system.

Supplies not selected in 2014-2015 fall outside two categories:

(1) Each month, UGI receives bids from producers and marketers for short-term and long-term purchases. Purchases are evaluated using least cost economic dispatch based on the incremental cost of the gas delivered to the city gate via each pipeline route. UGI first buys gas from the lowest cost reliable bidder. If the volume offered at that price is insufficient to meet full requirements or the take away capacity available from that receipt point is insufficient, then the remaining requirements are acquired at the next higher price. This incremental process continues until all requirements are met.

UGI UTILITIES, INC. - GAS DIVISION  
6/1/15 SECTION 1307(f) FILING

In making least cost supply decisions, all variable cost components including the cost of gas, the cost of transportation, and fuel costs are figured into the decision. Some judgment is required in these bid acceptances in matters such as transportation availability, delivery flexibility, producer reliability, available credit of the counterparty, and operational requirements. Attachment 2-A-1 is a listing of the bids for firm purchases including the purchase location, quantity, and cost of gas. The table shows the bids that were accepted or rejected in the 12-month period ending March 31, 2015, as recorded in UGI's gas management system. In addition, Attachment 2-A-2 is a summary of all transportation activities scheduled by UGI on the interstate pipelines each month, including the receipt and delivery locations, quantity, and cost of transportation.

(2) UGI continually evaluates the market competitiveness of its term contracts. UGI regards term contracts as those having multiple months. The choice to maintain or terminate a contract is based on the performance of the supplier, price changes, fixed charges, location of the gas, capacity or cost changes on the connecting pipeline, the competitive nature of the commodity provisions, the ability to deliver the gas at pooling or TABS-1 receipt points and the supply purchase requirements. These contracts are subject to firm deliverability requirements because they supply gas to firm residential and commercial customers with no alternative energy source.

UGI's criteria for firm supply contract selection include, among other measures, competitive prices, prudent price renegotiation provisions, market-out provisions, deliverability warranties or contingencies, and to the extent possible, acceptable creditworthiness assurances and indemnification for liabilities beyond UGI's control.

Row	Purchase Point	Total Rcpt Qty (dth)	Daily Rcpt Qty (dth)	Price/dth	Deal Type	Start Date	End Date	Status
1	Dominion TET - Oakford	112,941	3,765	\$4.0294	Storage	1-Apr-14	30-Apr-14	AC
2	Transco Zone 6 Receipt	215,340	7,178	\$2.4740	Purchase for Resale/Storage	1-Apr-14	30-Apr-14	AC
3	Transco Zone 6 Receipt	308,190	10,273	\$2.7850	Sendout	1-Apr-14	30-Apr-14	AC
4	Dominion TET - North Summit	95,238	3,175	\$4.0294	Storage	1-Apr-14	30-Apr-14	AC
5	Texas Eastern M2	44,000	1,467	\$4.2000	Sendout	1-Apr-14	30-Apr-14	AC
6	Texas Eastern M2	8,000	267	\$4.2000	Sendout	1-Apr-14	30-Apr-14	AC
7	Texas Eastern M2	68,000	2,267	\$4.2000	Sendout	1-Apr-14	30-Apr-14	AC
8	Transco Zone 6 NonNY	300,000	10,000	\$4.4088	Sendout	1-Apr-14	30-Apr-14	AC
9	Columbia FSS	608,668	20,289	\$4.6194	Storage	1-Apr-14	30-Apr-14	AC
10	Columbia FSS	142,825	4,761	\$4.5121	Storage	1-Apr-14	30-Apr-14	AC
11	Texas Eastern M2	465,063	15,502	\$4.1940	Sendout	1-Apr-14	30-Apr-14	AC
12	ANR FSS	392,031	13,068	\$4.7038	Storage	1-Apr-14	30-Apr-14	AC
13	Transco Zone 6 Receipt	21,693	723	\$3.7377	Purchase for Resale	1-Apr-14	30-Apr-14	AC
14	Transco Zone 6 Receipt	38,700	1,290	\$2.7850	Purchase for Resale/Storage	1-Apr-14	30-Apr-14	AC
15	Texas Eastern M2	10,000	10,000	\$4.1050	Sendout	1-Apr-14	1-Apr-14	AC
16	Transco Zone 6 NonNY	7,388	7,388	\$4.4900	Purchase for Resale	1-Apr-14	1-Apr-14	AC
17	Texas Eastern M2	5,766	5,766	\$4.1075	Sendout	1-Apr-14	1-Apr-14	AC
18	Texas Eastern M2	5,000	5,000	\$4.1100	Sendout	1-Apr-14	1-Apr-14	AC
19	Transco Zone 6 Receipt	5,000	5,000	\$3.6500	Purchase for Resale	1-Apr-14	1-Apr-14	AC
20	Transco Zone 4	9,100	9,100	\$4.3700	Purchase for Resale	2-Apr-14	2-Apr-14	AC
21	Texas Eastern M2	15,000	15,000	\$4.0900	Sendout	2-Apr-14	2-Apr-14	AC
22	Texas Eastern M2	5,766	5,766	\$4.0900	Sendout	2-Apr-14	2-Apr-14	AC
23	Transco Zone 6 Receipt	3,000	3,000	\$3.7500	Purchase for Resale	2-Apr-14	2-Apr-14	AC
24	Texas Eastern M2	20,040	20,040	\$4.1275	Sendout	3-Apr-14	3-Apr-14	AC
25	Texas Eastern M2	15,575	15,575	\$4.1400	Sendout	3-Apr-14	3-Apr-14	AC
26	Columbia A06 Pool	15,444	15,444	\$4.2850	Purchase for Resale/Sendout	3-Apr-14	3-Apr-14	AC
27	Texas Eastern M2	5,918	5,918	\$4.1250	Sendout	3-Apr-14	3-Apr-14	AC
28	Texas Eastern M2	7,268	7,268	\$4.1900	Sendout	4-Apr-14	4-Apr-14	AC
29	Columbia A06 Pool	15,444	15,444	\$4.3550	Sendout	4-Apr-14	4-Apr-14	AC
30	Texas Eastern M2	3,115	3,115	\$4.1875	Sendout	4-Apr-14	4-Apr-14	AC
31	Texas Eastern M2	24,921	8,307	\$4.1450	Sendout	5-Apr-14	7-Apr-14	AC
32	Columbia A06 Pool	46,332	15,444	\$4.3450	Sendout	5-Apr-14	7-Apr-14	AC
33	Texas Eastern M2	6,231	2,077	\$4.1350	Sendout	5-Apr-14	7-Apr-14	AC
34	Columbia A06 Pool	15,444	15,444	\$4.4650	Sendout	8-Apr-14	8-Apr-14	AC
35	Transco Zone 6 Receipt	20,000	20,000	\$4.1200	Purchase for Resale	9-Apr-14	9-Apr-14	AC
36	Transco Zone 6 Receipt	10,000	10,000	\$4.1525	Purchase for Resale	10-Apr-14	10-Apr-14	AC
37	Transco Zone 6 Receipt	51,000	17,000	\$3.2300	Purchase for Resale	12-Apr-14	14-Apr-14	AC
38	Texas Eastern M2	4,188	4,188	\$4.1825	Sendout	15-Apr-14	15-Apr-14	AC
39	Texas Eastern M2	1,176	1,176	\$4.1825	Sendout	15-Apr-14	15-Apr-14	AC
40	Texas Eastern M2	5,000	5,000	\$4.1825	Sendout	15-Apr-14	15-Apr-14	AC
41	Texas Eastern M2	11,182	11,182	\$4.1850	Sendout	15-Apr-14	15-Apr-14	AC
42	Texas Eastern M2	9,603	9,603	\$4.1825	Sendout	15-Apr-14	15-Apr-14	AC
43	Columbia A06 Pool	15,444	15,444	\$4.3950	Sendout	15-Apr-14	15-Apr-14	AC
44	Texas Eastern M2	15,574	15,574	\$4.4800	Sendout	16-Apr-14	16-Apr-14	AC
45	Texas Eastern M2	10,383	10,383	\$4.5050	Sendout	16-Apr-14	16-Apr-14	AC
46	Texas Eastern M2	5,192	5,192	\$4.5050	Sendout	16-Apr-14	16-Apr-14	AC
47	Columbia A06 Pool	15,444	15,444	\$4.4500	Sendout	16-Apr-14	16-Apr-14	AC
48	Texas Eastern M2	10,383	10,383	\$4.2150	Sendout	22-Apr-14	22-Apr-14	AC
49	Columbia A06 Pool	15,444	15,444	\$4.5950	Sendout	22-Apr-14	22-Apr-14	AC
50	Columbia A06 Pool	15,444	15,444	\$4.5750	Sendout	23-Apr-14	23-Apr-14	AC
51	Texas Eastern M2	10,383	10,383	\$4.2250	Sendout	24-Apr-14	24-Apr-14	AC
52	Columbia A06 Pool	15,444	15,444	\$4.6450	Sendout	24-Apr-14	24-Apr-14	AC
53	Texas Eastern M2	10,383	10,383	\$3.9100	Sendout	25-Apr-14	25-Apr-14	AC
54	Columbia A06 Pool	15,444	15,444	\$4.6400	Sendout	25-Apr-14	25-Apr-14	AC
55	Texas Eastern M2	31,149	10,383	\$3.4800	Sendout	26-Apr-14	28-Apr-14	AC
56	Columbia A06 Pool	46,332	15,444	\$4.4700	Sendout	26-Apr-14	28-Apr-14	AC
57	Transco Zone 6 Receipt	215,340	7,178	\$2.5340	Sendout	1-Apr-14	30-Apr-14	RJ
58	Transco Zone 6 Receipt	215,340	7,178	\$2.4340	Sendout	1-Apr-14	30-Apr-14	RJ
59	Columbia FSS	142,825	4,607	\$4.7275	Storage	1-May-14	31-May-14	AC
60	Transco Zone 6 Receipt	222,518	7,178	\$2.6850	Purchase for Resale/Storage/Sendout	1-May-14	31-May-14	AC
61	Transco Zone 6 Receipt	250,604	8,084	\$3.4150	Sendout	1-May-14	31-May-14	AC
62	Columbia FSS	608,668	19,634	\$4.8383	Storage	1-May-14	31-May-14	AC
63	ANR FSS	396,978	12,806	\$4.9253	Storage	1-May-14	31-May-14	AC
64	Transco Zone 6 NonNY	186,000	6,000	\$4.0662	Sendout	1-May-14	31-May-14	AC
65	Dominion TET - North Summit	95,238	3,072	\$4.2507	Storage	1-May-14	31-May-14	AC
66	Dominion TET - Oakford	112,941	3,643	\$4.2507	Storage	1-May-14	31-May-14	AC
67	Texas Eastern M2	111,512	3,597	\$3.8700	Sendout	1-May-14	31-May-14	AC
68	Texas Eastern M3	124,000	4,000	\$4.0662	Sendout	1-May-14	31-May-14	AC
69	Transco Zone 6 Receipt	137,991	4,451	\$2.6097	Purchase for Resale/Sendout	1-May-14	31-May-14	AC
70	Columbia A06 Pool	15,925	15,925	\$4.5750	Sendout	2-May-14	2-May-14	AC
71	Columbia A06 Pool	29,763	9,921	\$4.5200	Sendout	3-May-14	5-May-14	AC
72	Columbia A06 Pool	18,012	6,004	\$4.5200	Sendout	3-May-14	5-May-14	AC

Row	Purchase Point	Total Rcpt Qty (dth)	Daily Rcpt Qty (dth)	Price/dth	Deal Type	Start Date	End Date	Status
73	Columbia A06 Pool	6,131	6,131	\$4.5450	Sendout	6-May-14	6-May-14	AC
74	Columbia A06 Pool	9,794	9,794	\$4.5450	Sendout	6-May-14	6-May-14	AC
75	Texas Eastern M2	20,766	20,766	\$3.8750	Sendout	6-May-14	6-May-14	AC
76	Transco Zone 6 Receipt	12,000	12,000	\$2.1675	Purchase for Resale	14-May-14	14-May-14	AC
77	Transco Zone 6 Receipt	10,000	10,000	\$2.1800	Purchase for Resale	15-May-14	15-May-14	AC
78	Transco Zone 6 Receipt	20,000	20,000	\$2.1100	Purchase for Resale	16-May-14	16-May-14	AC
79	Transco Zone 6 Receipt	60,000	20,000	\$2.0750	Purchase for Resale	17-May-14	19-May-14	AC
80	Columbia A06 Pool	5,098	5,098	\$3.2000	Purchase for Resale	29-May-14	29-May-14	AC
81	Texas Eastern M2	4,000	4,000	\$3.8700	Sendout	29-May-14	29-May-14	AC
82	Texas Eastern M2	8,000	4,000	\$3.8700	Sendout	30-May-14	31-May-14	AC
83	Transco Zone 6 Receipt	222,518	7,178	\$2.7450	Sendout	1-May-14	31-May-14	RJ
84	Transco Zone 6 Receipt	222,518	7,178	\$2.6450	Sendout	1-May-14	31-May-14	RJ
85	ANR FSS	396,978	13,233	\$4.7406	Storage	1-Jun-14	30-Jun-14	AC
86	Dominion TET - North Summit	95,238	3,175	\$4.0661	Storage	1-Jun-14	30-Jun-14	AC
87	Dominion TET - Oakford	112,941	3,765	\$4.0661	Storage	1-Jun-14	30-Jun-14	AC
88	Transco Zone 6 Receipt	253,560	8,452	\$2.5150	Purchase for Resale/Sendout	1-Jun-14	30-Jun-14	AC
89	Transco Zone 6 Receipt	215,340	7,178	\$2.5090	Purchase for Resale/Storage/Sendout	1-Jun-14	30-Jun-14	AC
90	Transco Zone 6 Receipt	105,420	3,514	\$2.5150	Sendout	1-Jun-14	30-Jun-14	AC
91	Columbia FSS	608,668	20,289	\$4.6557	Storage	1-Jun-14	30-Jun-14	AC
92	Columbia FSS	142,825	4,761	\$4.5478	Storage	1-Jun-14	30-Jun-14	AC
93	Texas Eastern M2	8,000	4,000	\$3.1700	Sendout	1-Jun-14	2-Jun-14	AC
94	Transco Zone 6 Receipt	6,014	3,007	\$2.1150	Purchase for Resale	1-Jun-14	2-Jun-14	AC
95	Texas Eastern M2	112,000	4,000	\$3.1700	Sendout	3-Jun-14	30-Jun-14	AC
96	Columbia A06 Pool	15,293	15,293	\$3.0500	Purchase for Resale	3-Jun-14	3-Jun-14	AC
97	Columbia A06 Pool	5,098	5,098	\$3.3000	Purchase for Resale	4-Jun-14	4-Jun-14	AC
98	Tennessee Zone 4 Delivered	800	800	\$3.3500	Purchase for Resale	5-Jun-14	5-Jun-14	AC
99	Columbia A06 Pool	10,196	10,196	\$3.2900	Purchase for Resale/Sendout	5-Jun-14	5-Jun-14	AC
100	Tennessee Zone 4 Delivered	1,000	1,000	\$3.3000	Purchase for Resale	6-Jun-14	6-Jun-14	AC
101	Tennessee Zone 4 Delivered	1,300	1,300	\$3.2500	Purchase for Resale	10-Jun-14	10-Jun-14	AC
102	Tennessee Zone 4 Delivered	1,341	1,341	\$3.1000	Purchase for Resale	11-Jun-14	11-Jun-14	AC
103	Columbia A06 Pool	1,020	1,020	\$2.9000	Sendout	16-Jun-14	16-Jun-14	AC
104	Transco Zone 6 Receipt	215,340	7,178	\$2.5690	Sendout	1-Jun-14	30-Jun-14	RJ
105	Transco Zone 6 Receipt	215,340	7,178	\$2.4690	Sendout	1-Jun-14	30-Jun-14	RJ
106	Dominion TET - Oakford	112,941	3,643	\$3.8364	Storage	1-Jul-14	31-Jul-14	AC
107	Dominion TET - North Summit	95,238	3,072	\$3.8364	Storage	1-Jul-14	31-Jul-14	AC
108	Transco Zone 6 Receipt	70,184	2,264	\$2.2550	Sendout	1-Jul-14	31-Jul-14	AC
109	Columbia FSS	608,668	19,634	\$4.4286	Storage	1-Jul-14	31-Jul-14	AC
110	Texas Eastern M2	124,000	4,000	\$2.9000	Sendout	1-Jul-14	31-Jul-14	AC
111	Columbia FSS	142,825	4,607	\$4.3243	Storage	1-Jul-14	31-Jul-14	AC
112	ANR FSS	396,978	12,806	\$4.5107	Storage	1-Jul-14	31-Jul-14	AC
113	Transco Zone 6 Receipt	15,779	509	\$2.2550	Purchase for Resale	1-Jul-14	31-Jul-14	AC
114	Transco Zone 6 Receipt	222,518	7,178	\$2.2900	Purchase for Resale/Storage/Sendout	1-Jul-14	31-Jul-14	AC
115	Transco Zone 6 Receipt	278,850	9,295	\$2.3002	Sendout	2-Jul-14	31-Jul-14	AC
116	ANR SE Headstation	100	100	\$4.3300	Storage	3-Jul-14	3-Jul-14	AC
117	Columbia Gulf Mainline Pool	100	100	\$4.2950	Storage	3-Jul-14	3-Jul-14	AC
118	Texas Eastern WLA	100	100	\$4.3750	Storage	3-Jul-14	3-Jul-14	AC
119	ANR SE Headstation	20,092	5,023	\$4.2400	Storage	4-Jul-14	7-Jul-14	AC
120	Columbia Gulf Mainline Pool	4,564	1,141	\$4.2000	Storage	4-Jul-14	7-Jul-14	AC
121	Egan Storage	10,856	2,714	\$4.2384	Storage	4-Jul-14	7-Jul-14	AC
122	Egan Storage	36,072	9,018	\$4.2384	Storage	4-Jul-14	7-Jul-14	AC
123	Columbia Gulf Mainline Pool	3,423	1,141	\$4.0250	Storage	12-Jul-14	14-Jul-14	AC
124	Egan Storage	27,225	9,075	\$4.0624	Storage	12-Jul-14	14-Jul-14	AC
125	Columbia A06 Pool	10,196	10,196	\$2.1000	Purchase for Resale/Sendout	31-Jul-14	31-Jul-14	AC
126	Transco Zone 6 Receipt	222,518	7,178	\$2.3500	Sendout	1-Jul-14	31-Jul-14	RJ
127	Transco Zone 6 Receipt	222,518	7,178	\$2.2500	Sendout	1-Jul-14	31-Jul-14	RJ
128	Texas Eastern M2	124,000	4,000	\$2.4200	Sendout	1-Aug-14	31-Aug-14	AC
129	Transco Zone 6 Receipt	222,518	7,178	\$1.6980	Purchase for Resale/Storage/Sendout	1-Aug-14	31-Aug-14	AC
130	Transco Zone 6 Receipt	178,127	5,746	\$1.9613	Sendout	1-Aug-14	31-Aug-14	AC
131	Transco Zone 6 Receipt	11,346	366	\$2.1150	Purchase for Resale	1-Aug-14	31-Aug-14	AC
132	ANR FSS	396,978	12,806	\$3.8893	Storage	1-Aug-14	31-Aug-14	AC
133	Dominion TET - North Summit	95,238	3,072	\$3.2170	Storage	1-Aug-14	31-Aug-14	AC
134	Dominion TET - Oakford	112,941	3,643	\$3.2170	Storage	1-Aug-14	31-Aug-14	AC
135	Columbia FSS	608,668	19,634	\$3.8146	Storage	1-Aug-14	31-Aug-14	AC
136	Columbia FSS	142,825	4,607	\$3.7200	Storage	1-Aug-14	31-Aug-14	AC
137	Columbia A06 Pool	12,234	4,078	\$2.2000	Purchase for Resale	9-Aug-14	11-Aug-14	AC
138	Columbia A06 Pool	3,466	3,466	\$2.5200	Purchase for Resale	19-Aug-14	19-Aug-14	AC
139	Columbia A06 Pool	10,195	10,195	\$2.4500	Purchase for Resale	20-Aug-14	20-Aug-14	AC
140	Columbia A06 Pool	10,195	10,195	\$2.3400	Purchase for Resale	21-Aug-14	21-Aug-14	AC
141	Columbia A06 Pool	3,059	3,059	\$2.2500	Purchase for Resale	22-Aug-14	22-Aug-14	AC
142	Columbia A06 Pool	5,098	5,098	\$2.2200	Purchase for Resale	22-Aug-14	22-Aug-14	AC
143	Columbia Gulf Mainline Pool	1,141	1,141	\$3.8625	Storage	22-Aug-14	22-Aug-14	AC
144	Egan Storage	9,288	9,288	\$3.8982	Storage	22-Aug-14	22-Aug-14	AC

Row	Purchase Point	Total Rcpt Qty (dth)	Daily Rcpt Qty (dth)	Price/dth	Deal Type	Start Date	End Date	Status
145	Transco Zone 6 Receipt	222,518	7,178	\$1.7580	Sendout	1-Aug-14	31-Aug-14	RJ
146	Transco Zone 6 Receipt	222,518	7,178	\$1.6580	Sendout	1-Aug-14	31-Aug-14	RJ
147	Texas Eastern M2	120,000	4,000	\$2.0300	Sendout	1-Sep-14	30-Sep-14	AC
148	Transco Zone 6 Receipt	55,290	1,843	\$1.8650	Sendout	1-Sep-14	30-Sep-14	AC
149	Transco Zone 6 Receipt	215,340	7,178	\$1.8470	Purchase for Resale/Sendout	1-Sep-14	30-Sep-14	AC
150	Transco Zone 6 Receipt	12,750	425	\$1.8650	Purchase for Resale	1-Sep-14	30-Sep-14	AC
151	Transco Zone 6 Receipt	182,957	6,099	\$2.0380	Purchase for Resale/Sendout	1-Sep-14	30-Sep-14	AC
152	Texas Eastern M3	75,000	2,500	\$1.7949	Sendout	1-Sep-14	30-Sep-14	AC
153	ANR FSS	396,978	13,233	\$4.0457	Storage	1-Sep-14	30-Sep-14	AC
154	Dominion TET - North Summit	95,238	3,175	\$3.3733	Storage	1-Sep-14	30-Sep-14	AC
155	Dominion TET - Oakford	112,941	3,765	\$3.3733	Storage	1-Sep-14	30-Sep-14	AC
156	Columbia FSS	142,825	4,761	\$3.8721	Storage	1-Sep-14	30-Sep-14	AC
157	Columbia FSS	608,668	20,289	\$3.9691	Storage	1-Sep-14	30-Sep-14	AC
158	Columbia A06 Pool	5,098	2,549	\$2.3000	Purchase for Resale	1-Sep-14	2-Sep-14	AC
159	Columbia A06 Pool	10,196	5,098	\$2.2500	Purchase for Resale/Sendout	1-Sep-14	2-Sep-14	AC
160	Columbia A06 Pool	10,196	10,196	\$2.6500	Purchase for Resale/Sendout	3-Sep-14	3-Sep-14	AC
161	Columbia A06 Pool	6,132	6,132	\$2.6500	Purchase for Resale	3-Sep-14	3-Sep-14	AC
162	Columbia Delivered	3,986	3,986	\$2.8600	Purchase for Resale	3-Sep-14	3-Sep-14	AC
163	Columbia A06 Pool	6,117	6,117	\$2.6500	Purchase for Resale	4-Sep-14	4-Sep-14	AC
164	Columbia A06 Pool	5,098	5,098	\$2.6400	Purchase for Resale	4-Sep-14	4-Sep-14	AC
165	Columbia A06 Pool	5,098	5,098	\$2.4800	Purchase for Resale	5-Sep-14	5-Sep-14	AC
166	Columbia A06 Pool	5,098	5,098	\$2.4600	Purchase for Resale	5-Sep-14	5-Sep-14	AC
167	Columbia A06 Pool	45,882	15,294	\$1.8400	Purchase for Resale/Sendout	6-Sep-14	8-Sep-14	AC
168	Columbia Gulf Mainline Pool	3,423	1,141	\$3.7700	Sendout	6-Sep-14	8-Sep-14	AC
169	Egan Storage	8,271	2,757	\$3.8052	Sendout	6-Sep-14	8-Sep-14	AC
170	Egan Storage	27,864	9,288	\$3.8052	Sendout	6-Sep-14	8-Sep-14	AC
171	Columbia A06 Pool	16,328	16,328	\$2.3300	Purchase for Resale	9-Sep-14	9-Sep-14	AC
172	Columbia Delivered	3,985	3,985	\$2.4700	Purchase for Resale	9-Sep-14	9-Sep-14	AC
173	Columbia Delivered	4,600	4,600	\$2.5250	Purchase for Resale	9-Sep-14	9-Sep-14	AC
174	Columbia A06 Pool	1,035	1,035	\$2.6500	Purchase for Resale	10-Sep-14	10-Sep-14	AC
175	Columbia A06 Pool	15,293	15,293	\$2.5500	Purchase for Resale	10-Sep-14	10-Sep-14	AC
176	Columbia Delivered	8,610	8,610	\$2.8300	Purchase for Resale	10-Sep-14	10-Sep-14	AC
177	Columbia A06 Pool	16,328	16,328	\$2.8700	Purchase for Resale	11-Sep-14	11-Sep-14	AC
178	Columbia Delivered	3,985	3,985	\$3.0150	Purchase for Resale	11-Sep-14	11-Sep-14	AC
179	Columbia Gulf Mainline Pool	3,423	1,141	\$3.7400	Sendout	13-Sep-14	15-Sep-14	AC
180	Egan Storage	8,271	2,757	\$3.7851	Sendout	13-Sep-14	15-Sep-14	AC
181	Egan Storage	27,864	9,288	\$3.7750	Sendout	13-Sep-14	15-Sep-14	AC
182	Texas Eastern M2	3,383	3,383	\$2.4250	Sendout	16-Sep-14	16-Sep-14	AC
183	Texas Eastern M2	7,000	7,000	\$2.4200	Sendout	16-Sep-14	16-Sep-14	AC
184	Texas Eastern M2	10,383	10,383	\$2.3275	Sendout	17-Sep-14	17-Sep-14	AC
185	Texas Eastern M2	10,383	10,383	\$2.2950	Sendout	18-Sep-14	18-Sep-14	AC
186	Columbia A06 Pool	10,196	10,196	\$1.9900	Purchase for Resale/Sendout	23-Sep-14	23-Sep-14	AC
187	Columbia A06 Pool	10,196	10,196	\$1.8300	Purchase for Resale/Sendout	24-Sep-14	24-Sep-14	AC
188	Columbia A06 Pool	10,196	10,196	\$1.7000	Purchase for Resale/Sendout	25-Sep-14	25-Sep-14	AC
189	Columbia Gulf Mainline Pool	1,141	1,141	\$3.8050	Sendout	25-Sep-14	25-Sep-14	AC
190	ANR SE Headstation	5,023	5,023	\$3.8000	Sendout	25-Sep-14	25-Sep-14	AC
191	Egan Storage	2,757	2,757	\$3.8404	Sendout	25-Sep-14	25-Sep-14	AC
192	Egan Storage	9,288	9,288	\$3.8404	Sendout	25-Sep-14	25-Sep-14	AC
193	Columbia A06 Pool	30,588	10,196	\$1.5000	Purchase for Resale/Sendout	27-Sep-14	29-Sep-14	AC
194	Columbia A06 Pool	15,294	5,098	\$1.5000	Purchase for Resale/Sendout	27-Sep-14	29-Sep-14	AC
195	Columbia A06 Pool	6,133	6,133	\$1.8500	Purchase for Resale	30-Sep-14	30-Sep-14	AC
196	Columbia A06 Pool	10,196	10,196	\$1.8000	Purchase for Resale/Sendout	30-Sep-14	30-Sep-14	AC
197	Columbia Delivered	3,985	3,985	\$1.9350	Purchase for Resale	30-Sep-14	30-Sep-14	AC
198	Transco Zone 6 Receipt	215,340	7,178	\$1.9070	Sendout	1-Sep-14	30-Sep-14	RJ
199	Transco Zone 6 Receipt	215,340	7,178	\$1.8070	Sendout	1-Sep-14	30-Sep-14	RJ
200	Texas Eastern M2	124,000	4,000	\$2.0200	Sendout	1-Oct-14	31-Oct-14	AC
201	Transco Zone 6 Receipt	222,518	7,178	\$1.8740	Purchase for Resale/Storage/Sendout	1-Oct-14	31-Oct-14	AC
202	Transco Zone 6 Receipt	300,731	9,701	\$1.9450	Sendout	1-Oct-14	31-Oct-14	AC
203	Transco Zone 6 Receipt	13,640	440	\$1.9450	Purchase for Resale	1-Oct-14	31-Oct-14	AC
204	Transco Zone 6 Receipt	60,917	1,965	\$1.9648	Purchase for Resale/Sendout	1-Oct-14	31-Oct-14	AC
205	Transco Zone 6 NonNY	310,000	10,000	\$2.1481	Sendout	1-Oct-14	31-Oct-14	AC
206	ANR FSS	396,978	12,806	\$4.0743	Storage	1-Oct-14	31-Oct-14	AC
207	Dominion TET - North Summit	95,238	3,072	\$3.4019	Storage	1-Oct-14	31-Oct-14	AC
208	Dominion TET - Oakford	112,941	3,643	\$3.4019	Storage	1-Oct-14	31-Oct-14	AC
209	Columbia FSS	142,825	4,607	\$3.8998	Storage	1-Oct-14	31-Oct-14	AC
210	Columbia FSS	608,668	19,634	\$3.9974	Storage	1-Oct-14	31-Oct-14	AC
211	Columbia A06 Pool	2,549	2,549	\$1.9400	Purchase for Resale	1-Oct-14	1-Oct-14	AC
212	Columbia A06 Pool	10,196	10,196	\$1.9300	Purchase for Resale	1-Oct-14	1-Oct-14	AC
213	Columbia A06 Pool	4,078	4,078	\$2.0500	Purchase for Resale	2-Oct-14	2-Oct-14	AC
214	Columbia A06 Pool	10,196	10,196	\$2.1250	Purchase for Resale	2-Oct-14	2-Oct-14	AC
215	Columbia Gulf Mainline Pool	3,423	1,141	\$3.8400	Storage	4-Oct-14	6-Oct-14	AC
216	ANR SE Headstation	15,069	5,023	\$3.8200	Storage	4-Oct-14	6-Oct-14	AC

Row	Purchase Point	Total Rcpt Qty (dth)	Daily Rcpt Qty (dth)	Price/dth	Deal Type	Start Date	End Date	Status
217	Egan Storage	8,529	2,843	\$3.8758	Storage	4-Oct-14	6-Oct-14	AC
218	Egan Storage	27,864	9,288	\$3.8758	Storage	4-Oct-14	6-Oct-14	AC
219	Columbia A06 Pool	10,196	10,196	\$1.7300	Purchase for Resale	7-Oct-14	7-Oct-14	AC
220	Columbia A06 Pool	5,976	5,976	\$1.7300	Purchase for Resale	7-Oct-14	7-Oct-14	AC
221	Columbia Gulf Mainline Pool	1,141	1,141	\$3.8300	Storage	7-Oct-14	7-Oct-14	AC
222	ANR SE Headstation	5,023	5,023	\$3.8300	Storage	7-Oct-14	7-Oct-14	AC
223	Egan Storage	2,843	2,843	\$3.8657	Storage	7-Oct-14	7-Oct-14	AC
224	Columbia Delivered	4,138	4,138	\$1.8400	Purchase for Resale	7-Oct-14	7-Oct-14	AC
225	Egan Storage	9,288	9,288	\$3.8657	Storage	7-Oct-14	7-Oct-14	AC
226	Columbia A06 Pool	10,196	10,196	\$1.7500	Purchase for Resale	8-Oct-14	8-Oct-14	AC
227	Columbia A06 Pool	5,976	5,976	\$1.6900	Purchase for Resale	8-Oct-14	8-Oct-14	AC
228	Columbia Delivered	9,138	9,138	\$1.8000	Purchase for Resale	8-Oct-14	8-Oct-14	AC
229	Columbia Gulf Mainline Pool	3,423	1,141	\$3.7650	Storage	11-Oct-14	13-Oct-14	AC
230	ANR SE Headstation	15,069	5,023	\$3.8100	Storage	11-Oct-14	13-Oct-14	AC
231	Egan Storage	8,529	2,843	\$3.8003	Storage	11-Oct-14	13-Oct-14	AC
232	Egan Storage	27,864	9,288	\$3.8003	Storage	11-Oct-14	13-Oct-14	AC
233	Columbia A06 Pool	48,516	16,172	\$1.7000	Purchase for Resale	25-Oct-14	27-Oct-14	AC
234	Columbia Delivered	3,414	1,138	\$1.8200	Purchase for Resale	25-Oct-14	27-Oct-14	AC
235	Columbia Delivered	6,600	2,200	\$1.8700	Purchase for Resale	25-Oct-14	27-Oct-14	AC
236	Columbia A06 Pool	16,172	16,172	\$1.9000	Purchase for Resale	29-Oct-14	29-Oct-14	AC
237	Columbia Delivered	4,138	4,138	\$2.0400	Purchase for Resale	29-Oct-14	29-Oct-14	AC
238	Columbia Delivered	2,555	2,555	\$2.0550	Purchase for Resale	29-Oct-14	29-Oct-14	AC
239	Transco Zone 6 Receipt	222,518	7,178	\$1.9340	Sendout	1-Oct-14	31-Oct-14	RJ
240	Transco Zone 6 Receipt	222,518	7,178	\$1.8340	Sendout	1-Oct-14	31-Oct-14	RJ
241	Texas Eastern M2	120,000	4,000	\$2.5280	Sendout	1-Nov-14	30-Nov-14	AC
242	Texas Eastern M2	311,490	10,383	\$2.1980	Sendout	1-Nov-14	30-Nov-14	AC
243	ANR SW Headstation	267,900	8,930	\$3.6905	Sendout	1-Nov-14	30-Nov-14	AC
244	Transco Zone 6 Receipt	420,000	14,000	\$2.1480	Sendout	1-Nov-14	30-Nov-14	AC
245	Transco Zone 6 Receipt	52,790	1,760	\$2.7447	Purchase for Resale	1-Nov-14	30-Nov-14	AC
246	Transco Zone 6 Receipt	98,280	3,276	\$1.9450	Purchase for Resale/Storage	1-Nov-14	30-Nov-14	AC
247	Transco Zone 6 NonNY	300,000	10,000	\$2.2415	Sendout	1-Nov-14	30-Nov-14	AC
248	Columbia A06 Pool	10,196	10,196	\$2.4900	Purchase for Resale	4-Nov-14	4-Nov-14	AC
249	Columbia A06 Pool	10,195	10,195	\$2.5000	Purchase for Resale	5-Nov-14	5-Nov-14	AC
250	Columbia A06 Pool	10,196	10,196	\$3.0000	Purchase for Resale/Sendout	6-Nov-14	6-Nov-14	AC
251	Texas Eastern M2	5,192	5,192	\$2.8500	Sendout	6-Nov-14	6-Nov-14	AC
252	Columbia A06 Pool	10,195	10,195	\$3.0000	Purchase for Resale	6-Nov-14	6-Nov-14	AC
253	Texas Eastern M2	31,149	31,149	\$3.6250	Sendout	7-Nov-14	7-Nov-14	AC
254	Columbia A06 Pool	10,195	10,195	\$3.5500	Purchase for Resale	7-Nov-14	7-Nov-14	AC
255	Texas Eastern M2	10,383	10,383	\$3.4500	Sendout	7-Nov-14	7-Nov-14	AC
256	Texas Eastern M2	79,599	26,533	\$3.3050	Sendout	8-Nov-14	10-Nov-14	AC
257	Columbia A06 Pool	30,585	10,195	\$3.1600	Purchase for Resale	8-Nov-14	10-Nov-14	AC
258	Texas Eastern M2	44,809	14,936	\$3.3000	Sendout	8-Nov-14	10-Nov-14	AC
259	Texas Eastern M2	20,000	20,000	\$3.4450	Sendout	11-Nov-14	11-Nov-14	AC
260	Texas Eastern M2	11,150	11,150	\$3.4500	Sendout	11-Nov-14	11-Nov-14	AC
261	Texas Eastern M2	10,383	10,383	\$3.4475	Sendout	11-Nov-14	11-Nov-14	AC
262	Texas Eastern M2	10,000	10,000	\$3.5575	Sendout	12-Nov-14	12-Nov-14	AC
263	Columbia A06 Pool	20,000	20,000	\$3.6000	Sendout	12-Nov-14	12-Nov-14	AC
264	Texas Eastern M2	10,383	10,383	\$3.5625	Sendout	12-Nov-14	12-Nov-14	AC
265	Texas Eastern M2	781	781	\$3.5600	Sendout	12-Nov-14	12-Nov-14	AC
266	Texas Eastern M2	10,000	10,000	\$3.7550	Sendout	13-Nov-14	13-Nov-14	AC
267	Columbia A06 Pool	17,000	17,000	\$3.8450	Sendout	13-Nov-14	13-Nov-14	AC
268	Texas Eastern M2	10,000	10,000	\$3.7600	Sendout	13-Nov-14	13-Nov-14	AC
269	Texas Eastern M2	25,000	25,000	\$3.7600	Sendout	13-Nov-14	13-Nov-14	AC
270	Texas Eastern M2	10,383	10,383	\$3.7600	Sendout	13-Nov-14	13-Nov-14	AC
271	Columbia A06 Pool	15,701	15,701	\$3.8700	Purchase for Resale	14-Nov-14	14-Nov-14	AC
272	Texas Eastern M2	15,000	15,000	\$3.7475	Sendout	14-Nov-14	14-Nov-14	AC
273	Texas Eastern M2	40,000	40,000	\$3.7475	Sendout	14-Nov-14	14-Nov-14	AC
274	Texas Eastern M2	10,383	10,383	\$3.7500	Sendout	14-Nov-14	14-Nov-14	AC
275	Texas Eastern M2	7,299	7,299	\$3.8400	Sendout	14-Nov-14	14-Nov-14	AC
276	Columbia Tco Pool	67,821	22,607	\$4.0800	Sendout	15-Nov-14	17-Nov-14	AC
277	Columbia A06 Pool	31,602	10,534	\$3.4650	Sendout	15-Nov-14	17-Nov-14	AC
278	Texas Eastern M2	45,000	15,000	\$3.3675	Sendout	15-Nov-14	17-Nov-14	AC
279	Texas Eastern M2	166,506	55,502	\$3.3650	Sendout	15-Nov-14	17-Nov-14	AC
280	Texas Eastern M2	31,149	10,383	\$3.3675	Sendout	15-Nov-14	17-Nov-14	AC
281	Columbia A06 Pool	11,555	11,555	\$4.2950	Sendout	18-Nov-14	18-Nov-14	AC
282	Texas Eastern M2	15,000	15,000	\$4.2150	Sendout	18-Nov-14	18-Nov-14	AC
283	Texas Eastern M2	50,000	50,000	\$4.2100	Sendout	18-Nov-14	18-Nov-14	AC
284	Columbia Tco Pool	4,078	4,078	\$4.3750	Sendout	18-Nov-14	18-Nov-14	AC
285	Texas Eastern M2	10,383	10,383	\$4.2175	Sendout	18-Nov-14	18-Nov-14	AC
286	Columbia Tco Pool	17,508	17,508	\$4.3750	Sendout	18-Nov-14	18-Nov-14	AC
287	Texas Eastern M2	5,000	5,000	\$4.2175	Sendout	18-Nov-14	18-Nov-14	AC
288	Columbia A06 Pool	6,456	6,456	\$4.1600	Sendout	19-Nov-14	19-Nov-14	AC

Row	Purchase Point	Total Rcpt Qty (dth)	Daily Rcpt Qty (dth)	Price/dth	Deal Type	Start Date	End Date	Status
289	Texas Eastern M2	20,502	20,502	\$4.0700	Sendout	19-Nov-14	19-Nov-14	AC
290	Texas Eastern M2	50,000	50,000	\$4.0750	Sendout	19-Nov-14	19-Nov-14	AC
291	Columbia Tco Pool	4,078	4,078	\$4.3900	Sendout	19-Nov-14	19-Nov-14	AC
292	Texas Eastern M2	10,383	10,383	\$4.0625	Sendout	19-Nov-14	19-Nov-14	AC
293	Columbia Tco Pool	22,604	22,604	\$4.4100	Sendout	19-Nov-14	19-Nov-14	AC
294	Columbia Delivered	8,526	8,526	\$5.5000	Purchase for Resale	19-Nov-14	19-Nov-14	AC
295	Columbia Tco Pool	16,336	16,336	\$4.4600	Sendout	20-Nov-14	20-Nov-14	AC
296	Texas Eastern M2	5,503	5,503	\$4.0150	Sendout	20-Nov-14	20-Nov-14	AC
297	Texas Eastern M2	15,000	15,000	\$4.0075	Sendout	20-Nov-14	20-Nov-14	AC
298	Columbia A06 Pool	15,293	15,293	\$4.1550	Sendout	20-Nov-14	20-Nov-14	AC
299	Texas Eastern M2	50,000	50,000	\$4.0150	Sendout	20-Nov-14	20-Nov-14	AC
300	Columbia Tco Pool	1,512	1,512	\$4.4650	Sendout	20-Nov-14	20-Nov-14	AC
301	Texas Eastern M2	10,383	10,383	\$4.0050	Sendout	20-Nov-14	20-Nov-14	AC
302	Columbia Delivered	1,377	1,377	\$4.4250	Purchase for Resale	20-Nov-14	20-Nov-14	AC
303	Texas Eastern M2	14,748	14,748	\$3.9650	Sendout	21-Nov-14	21-Nov-14	AC
304	Texas Eastern M2	15,000	15,000	\$3.9600	Sendout	21-Nov-14	21-Nov-14	AC
305	Columbia A06 Pool	20,391	20,391	\$4.0800	Sendout	21-Nov-14	21-Nov-14	AC
306	Texas Eastern M2	40,000	40,000	\$3.9600	Sendout	21-Nov-14	21-Nov-14	AC
307	Columbia A06 Pool	12,749	12,749	\$4.3600	Sendout	21-Nov-14	21-Nov-14	AC
308	Texas Eastern M2	10,383	10,383	\$3.9550	Sendout	21-Nov-14	21-Nov-14	AC
309	Columbia Delivered	2,542	2,542	\$4.5950	Purchase for Resale	21-Nov-14	21-Nov-14	AC
310	Columbia Tco Pool	33,354	11,118	\$4.2750	Sendout	22-Nov-14	24-Nov-14	AC
311	Texas Eastern M2	60,000	20,000	\$2.9550	Sendout	22-Nov-14	24-Nov-14	AC
312	Columbia A06 Pool	61,173	20,391	\$3.0600	Sendout	22-Nov-14	24-Nov-14	AC
313	Texas Eastern M2	120,000	40,000	\$2.9575	Sendout	22-Nov-14	24-Nov-14	AC
314	Columbia Tco Pool	4,893	1,631	\$4.2650	Sendout	22-Nov-14	24-Nov-14	AC
315	Texas Eastern M2	62,655	20,885	\$2.9600	Sendout	22-Nov-14	24-Nov-14	AC
316	Columbia A06 Pool	30,586	30,586	\$3.2700	Sendout	25-Nov-14	25-Nov-14	AC
317	Texas Eastern M2	10,000	10,000	\$3.1650	Sendout	25-Nov-14	25-Nov-14	AC
318	Texas Eastern M2	18,500	18,500	\$3.1600	Sendout	25-Nov-14	25-Nov-14	AC
319	Texas Eastern M2	11,000	11,000	\$3.1650	Sendout	25-Nov-14	25-Nov-14	AC
320	Texas Eastern M2	40,000	40,000	\$3.1650	Sendout	25-Nov-14	25-Nov-14	AC
321	Columbia Tco Pool	2,554	2,554	\$4.0450	Sendout	25-Nov-14	25-Nov-14	AC
322	Texas Eastern M2	1,385	1,385	\$3.1650	Sendout	25-Nov-14	25-Nov-14	AC
323	Columbia Tco Pool	26,370	5,274	\$4.1000	Sendout	26-Nov-14	30-Nov-14	AC
324	Columbia A06 Pool	76,470	15,294	\$3.5100	Sendout	26-Nov-14	30-Nov-14	AC
325	Texas Eastern M2	200,000	40,000	\$3.3850	Sendout	26-Nov-14	30-Nov-14	AC
326	Texas Eastern M2	27,510	5,502	\$3.5700	Sendout	26-Nov-14	30-Nov-14	AC
327	Texas Eastern M2	125,000	25,000	\$3.3850	Sendout	26-Nov-14	30-Nov-14	AC
328	Columbia A06 Pool	47,570	9,514	\$3.9850	Sendout	26-Nov-14	30-Nov-14	AC
329	Columbia Tco Pool	15,290	3,058	\$4.0825	Sendout	26-Nov-14	30-Nov-14	AC
330	Texas Eastern M2	51,915	10,383	\$3.3850	Sendout	26-Nov-14	30-Nov-14	AC
331	Texas Eastern M3	75	75	\$3.2400	Sendout	30-Nov-14	30-Nov-14	AC
332	Texas Eastern M3	104	104	\$3.2400	Sendout	30-Nov-14	30-Nov-14	AC
333	Texas Eastern M3	8	8	\$3.2400	Sendout	30-Nov-14	30-Nov-14	AC
334	Texas Eastern M3	73	73	\$3.2400	Sendout	30-Nov-14	30-Nov-14	AC
335	Texas Eastern M2	311,490	10,383	\$3.7280	Sendout	1-Nov-14	30-Nov-14	RJ
336	Texas Eastern ELA	318,750	10,625	\$3.6580	Sendout	1-Nov-14	30-Nov-14	RJ
337	Transco Zone 6 Receipt	98,280	3,276	\$3.7230	Sendout	1-Nov-14	30-Nov-14	RJ
338	Texas Eastern M2	124,000	4,000	\$3.0820	Sendout	1-Dec-14	31-Dec-14	AC
339	Columbia A06 Pool	316,045	10,195	\$3.4320	Sendout	1-Dec-14	31-Dec-14	AC
340	Texas Eastern M2	579,142	18,682	\$3.3820	Sendout	1-Dec-14	31-Dec-14	AC
341	ANR SW Headstation	276,830	8,930	\$4.2445	Sendout	1-Dec-14	31-Dec-14	AC
342	Transco Zone 6 Receipt	434,000	14,000	\$2.7020	Sendout	1-Dec-14	31-Dec-14	AC
343	Transco Zone 6 Receipt	151,177	4,877	\$2.3650	Purchase for Resale/Sendout	1-Dec-14	31-Dec-14	AC
344	Transco Zone 6 Receipt	57,810	1,865	\$1.9830	Purchase for Resale	1-Dec-14	31-Dec-14	AC
345	Transco Zone 6 NonNY	310,000	10,000	\$3.4501	Sendout	1-Dec-14	31-Dec-14	AC
346	Columbia A06 Pool	6,117	6,117	\$3.4500	Purchase for Resale	1-Dec-14	1-Dec-14	AC
347	Texas Eastern M2	2,076	2,076	\$3.2800	Purchase for Resale	1-Dec-14	1-Dec-14	AC
348	Texas Eastern M2	31,136	31,136	\$2.8400	Sendout	2-Dec-14	2-Dec-14	AC
349	Columbia A06 Pool	10,196	10,196	\$2.8500	Purchase for Resale	3-Dec-14	3-Dec-14	AC
350	Texas Eastern M2	758	758	\$3.0000	Sendout	4-Dec-14	4-Dec-14	AC
351	Texas Eastern M2	20,000	20,000	\$2.9900	Sendout	4-Dec-14	4-Dec-14	AC
352	Texas Eastern M2	12,462	12,462	\$2.8300	Sendout	5-Dec-14	5-Dec-14	AC
353	Texas Eastern M2	10,000	10,000	\$2.8325	Sendout	5-Dec-14	5-Dec-14	AC
354	Texas Eastern M2	25,000	25,000	\$2.8300	Sendout	5-Dec-14	5-Dec-14	AC
355	Texas Eastern M2	20,000	20,000	\$2.8300	Sendout	5-Dec-14	5-Dec-14	AC
356	Texas Eastern M2	67,389	22,463	\$2.9000	Sendout	6-Dec-14	8-Dec-14	AC
357	Texas Eastern M2	75,000	25,000	\$2.9000	Sendout	6-Dec-14	8-Dec-14	AC
358	Texas Eastern M2	60,000	20,000	\$2.9000	Sendout	6-Dec-14	8-Dec-14	AC
359	Texas Eastern M2	31,136	31,136	\$3.1350	Sendout	9-Dec-14	9-Dec-14	AC
360	Texas Eastern M2	10,379	10,379	\$3.1300	Sendout	9-Dec-14	9-Dec-14	AC



Row	Purchase Point	Total Rcpt Qty (dth)	Daily Rcpt Qty (dth)	Price/dth	Deal Type	Start Date	End Date	Status
361	Texas Eastern M2	25,947	25,947	\$3.1350	Sendout	9-Dec-14	9-Dec-14	AC
362	Texas Eastern M2	10,000	10,000	\$3.1650	Sendout	10-Dec-14	10-Dec-14	AC
363	Texas Eastern M2	20,000	20,000	\$3.1625	Sendout	10-Dec-14	10-Dec-14	AC
364	Texas Eastern M2	20,000	20,000	\$3.1650	Sendout	10-Dec-14	10-Dec-14	AC
365	Texas Eastern M2	17,000	17,000	\$3.1675	Sendout	10-Dec-14	10-Dec-14	AC
366	Texas Eastern M2	10,758	10,758	\$3.1650	Sendout	10-Dec-14	10-Dec-14	AC
367	Texas Eastern M2	10,000	10,000	\$3.1675	Sendout	10-Dec-14	10-Dec-14	AC
368	Texas Eastern M2	34,757	34,757	\$3.1475	Sendout	11-Dec-14	11-Dec-14	AC
369	Texas Eastern M2	10,500	10,500	\$3.1450	Sendout	11-Dec-14	11-Dec-14	AC
370	Texas Eastern M2	2,500	2,500	\$3.1450	Sendout	11-Dec-14	11-Dec-14	AC
371	Texas Eastern M2	20,000	20,000	\$3.1475	Sendout	11-Dec-14	11-Dec-14	AC
372	Texas Eastern M2	20,000	20,000	\$3.1450	Sendout	11-Dec-14	11-Dec-14	AC
373	Columbia Delivered	12,730	12,730	\$4.2800	Purchase for Resale	11-Dec-14	11-Dec-14	AC
374	Texas Eastern M2	17,084	17,084	\$3.0250	Sendout	12-Dec-14	12-Dec-14	AC
375	Texas Eastern M2	10,000	10,000	\$3.0250	Sendout	12-Dec-14	12-Dec-14	AC
376	Texas Eastern M2	30,000	30,000	\$3.0250	Sendout	12-Dec-14	12-Dec-14	AC
377	Columbia Delivered	12,730	12,730	\$3.7350	Purchase for Resale	12-Dec-14	12-Dec-14	AC
378	Texas Eastern M2	108,978	36,326	\$2.8925	Sendout	13-Dec-14	15-Dec-14	AC
379	Columbia Delivered	6,000	2,000	\$3.5000	Purchase for Resale	13-Dec-14	15-Dec-14	AC
380	Texas Eastern M2	36,326	36,326	\$2.9250	Sendout	16-Dec-14	16-Dec-14	AC
381	Columbia A06 Pool	7,137	7,137	\$3.1000	Purchase for Resale	17-Dec-14	17-Dec-14	AC
382	Columbia A06 Pool	5,098	5,098	\$2.9500	Purchase for Resale	17-Dec-14	17-Dec-14	AC
383	Texas Eastern M2	15,568	15,568	\$2.7700	Sendout	17-Dec-14	17-Dec-14	AC
384	Texas Eastern M2	15,568	15,568	\$2.6950	Sendout	18-Dec-14	18-Dec-14	AC
385	Columbia A06 Pool	15,293	15,293	\$3.0000	Purchase for Resale	18-Dec-14	18-Dec-14	AC
386	Texas Eastern M2	5,195	5,195	\$2.7200	Purchase for Resale	19-Dec-14	19-Dec-14	AC
387	Texas Eastern M2	31,136	31,136	\$2.6250	Sendout	19-Dec-14	19-Dec-14	AC
388	Columbia A06 Pool	20,391	20,391	\$3.0000	Purchase for Resale	19-Dec-14	19-Dec-14	AC
389	Texas Eastern M2	93,411	31,137	\$2.0500	Sendout	20-Dec-14	22-Dec-14	AC
390	Texas Eastern M3	33,000	11,000	\$2.2850	Purchase for Resale	20-Dec-14	22-Dec-14	AC
391	Texas Eastern M3	18,435	18,435	\$1.4550	Purchase for Resale	23-Dec-14	23-Dec-14	AC
392	Texas Eastern M3	92,175	18,435	\$1.2250	Purchase for Resale	25-Dec-14	29-Dec-14	AC
393	Texas Eastern M3	18,435	18,435	\$2.3850	Purchase for Resale	30-Dec-14	30-Dec-14	AC
394	Texas Eastern M3	60	60	\$2.4030	Sendout	31-Dec-14	31-Dec-14	AC
395	Columbia A06 Pool	10,196	10,196	\$2.0800	Purchase for Resale	31-Dec-14	31-Dec-14	AC
396	Texas Eastern M3	36,100	36,100	\$2.4030	Sendout	31-Dec-14	31-Dec-14	AC
397	Texas Eastern M3	1,535	1,535	\$2.4030	Sendout	31-Dec-14	31-Dec-14	AC
398	Texas Eastern M3	1	1	\$2.4030	Sendout	31-Dec-14	31-Dec-14	AC
399	Texas Eastern M3	83	83	\$2.4030	Sendout	31-Dec-14	31-Dec-14	AC
400	Texas Eastern M3	120	120	\$2.4030	Sendout	31-Dec-14	31-Dec-14	AC
401	Columbia A06 Pool	2,624	2,624	\$2.0000	Purchase for Resale	31-Dec-14	31-Dec-14	AC
402	Columbia Delivered	4,719	4,719	\$2.2100	Purchase for Resale	31-Dec-14	31-Dec-14	AC
403	Texas Eastern M2	579,142	18,682	\$3.3920	Sendout	1-Dec-14	31-Dec-14	RJ
404	Texas Eastern M2	579,142	18,682	\$3.4320	Sendout	1-Dec-14	31-Dec-14	RJ
405	Texas Eastern M3	105	3	\$2.5470	Sendout	1-Jan-15	31-Jan-15	AC
406	Texas Eastern M2	124,000	4,000	\$1.9890	Sendout	1-Jan-15	31-Jan-15	AC
407	Columbia A06 Pool	316,045	10,195	\$2.6890	Sendout	1-Jan-15	31-Jan-15	AC
408	Texas Eastern M2	889,423	28,691	\$2.2590	Sendout	1-Jan-15	31-Jan-15	AC
409	Texas Eastern M3	1	0	\$2.5470	Sendout	1-Jan-15	31-Jan-15	AC
410	ANR SW Headstation	276,390	8,916	\$3.1515	Sendout	1-Jan-15	31-Jan-15	AC
411	Transco Zone 6 Receipt	434,000	14,000	\$1.6090	Sendout	1-Jan-15	31-Jan-15	AC
412	Transco Zone 6 Receipt	60,861	1,963	\$1.2176	Purchase for Resale	1-Jan-15	31-Jan-15	AC
413	Transco Zone 6 Receipt	152,241	4,911	\$1.5150	Purchase for Resale/Sendout	1-Jan-15	31-Jan-15	AC
414	Transco Zone 6 NonNY	310,000	10,000	\$2.1942	Sendout	1-Jan-15	31-Jan-15	AC
415	Texas Eastern M3	28	1	\$3.7082	Sendout	1-Jan-15	31-Jan-15	AC
416	Columbia A06 Pool	12,234	6,117	\$1.5000	Purchase for Resale	1-Jan-15	2-Jan-15	AC
417	Columbia A06 Pool	12,236	6,118	\$1.4000	Purchase for Resale	1-Jan-15	2-Jan-15	AC
418	Texas Eastern M3	36,646	18,323	\$1.8200	Purchase for Resale/Sendout	1-Jan-15	2-Jan-15	AC
419	Texas Eastern M2	9,969	3,323	\$1.0150	Purchase for Resale	3-Jan-15	5-Jan-15	AC
420	Columbia Delivered	6,243	2,081	\$1.7500	Purchase for Resale	3-Jan-15	5-Jan-15	AC
421	Texas Eastern M3	55,302	18,434	\$1.9650	Purchase for Resale	3-Jan-15	5-Jan-15	AC
422	Columbia Delivered	14,157	4,719	\$1.7500	Purchase for Resale	3-Jan-15	5-Jan-15	AC
423	Columbia Delivered	20,370	20,370	\$4.5000	Purchase for Resale	5-Jan-15	5-Jan-15	AC
424	Texas Eastern M2	13,124	13,124	\$1.6100	Sendout	6-Jan-15	6-Jan-15	AC
425	Texas Eastern M2	31,136	31,136	\$1.6025	Sendout	6-Jan-15	6-Jan-15	AC
426	Texas Eastern M3	5,000	5,000	\$1.8152	Sendout	6-Jan-15	6-Jan-15	AC
427	Columbia Delivered	13,879	13,879	\$5.8500	Purchase for Resale	6-Jan-15	6-Jan-15	AC
428	Columbia Delivered	26,000	26,000	\$5.8500	Purchase for Resale	6-Jan-15	6-Jan-15	AC
429	Texas Eastern M3	20,458	20,458	\$8.7580	Purchase for Resale	6-Jan-15	6-Jan-15	AC
430	Transco Zone 6 NonNY	63,000	2,520	\$3.0095	Sendout	7-Jan-15	31-Jan-15	AC
431	Texas Eastern M2	16,264	16,264	\$1.8450	Sendout	7-Jan-15	7-Jan-15	AC
432	Texas Eastern M2	30,000	30,000	\$1.8400	Sendout	7-Jan-15	7-Jan-15	AC

Row	Purchase Point	Total Rcpt Qty (dth)	Daily Rcpt Qty (dth)	Price/dth	Deal Type	Start Date	End Date	Status
433	Transco Zone 4	8,186	8,186	\$3.0100	Sendout	7-Jan-15	7-Jan-15	AC
434	Texas Eastern M3	3,000	3,000	\$2.0480	Sendout	7-Jan-15	7-Jan-15	AC
435	Columbia Delivered	34,042	34,042	\$12.8000	Purchase for Resale	7-Jan-15	7-Jan-15	AC
436	Columbia Delivered	31,249	31,249	\$11.0000	Purchase for Resale	7-Jan-15	7-Jan-15	AC
437	Texas Eastern M3	40,916	40,916	\$12.6700	Purchase for Resale	7-Jan-15	7-Jan-15	AC
438	Texas Eastern M3	2,046	2,046	\$12.6700	Purchase for Resale	7-Jan-15	7-Jan-15	AC
439	Texas Eastern M3	7,884	7,884	\$13.6500	Purchase for Resale	7-Jan-15	7-Jan-15	AC
440	Texas Eastern M3	1,432	1,432	\$15.1100	Purchase for Resale	7-Jan-15	7-Jan-15	AC
441	Columbia Delivered	32,531	32,531	\$12.8000	Purchase for Resale	7-Jan-15	7-Jan-15	AC
442	Transco Zone 4	8,123	8,123	\$3.0850	Purchase for Resale	8-Jan-15	8-Jan-15	AC
443	Texas Eastern M2	20,000	20,000	\$2.2100	Sendout	8-Jan-15	8-Jan-15	AC
444	Texas Eastern M2	9,965	9,965	\$2.2000	Sendout	8-Jan-15	8-Jan-15	AC
445	Texas Eastern M2	5,000	5,000	\$2.2000	Sendout	8-Jan-15	8-Jan-15	AC
446	Texas Eastern M2	11,264	11,264	\$2.0000	Sendout	8-Jan-15	8-Jan-15	AC
447	Transco Zone 6 NonNY	5,500	5,500	\$11.8500	Purchase for Resale	8-Jan-15	8-Jan-15	AC
448	Texas Eastern M3	9,000	9,000	\$2.4256	Sendout	8-Jan-15	8-Jan-15	AC
449	Texas Eastern M3	10,229	10,229	\$11.5000	Purchase for Resale	8-Jan-15	8-Jan-15	AC
450	Columbia Delivered	8,374	8,374	\$10.9250	Purchase for Resale	8-Jan-15	8-Jan-15	AC
451	Columbia Delivered	87,928	87,928	\$10.0000	Purchase for Resale	8-Jan-15	8-Jan-15	AC
452	Columbia Delivered	9,848	9,848	\$13.0000	Purchase for Resale	8-Jan-15	8-Jan-15	AC
453	Transco Zone 6 NonNY	2,000	2,000	\$11.8500	Purchase for Resale	8-Jan-15	8-Jan-15	AC
454	Texas Eastern M2	30,000	30,000	\$2.5100	Sendout	9-Jan-15	9-Jan-15	AC
455	Columbia A06 Pool	9,993	9,993	\$2.6050	Sendout	9-Jan-15	9-Jan-15	AC
456	Texas Eastern M2	10,000	10,000	\$2.5100	Sendout	9-Jan-15	9-Jan-15	AC
457	Texas Eastern M2	8,500	8,500	\$2.5125	Sendout	9-Jan-15	9-Jan-15	AC
458	Columbia A06 Pool	6,000	6,000	\$2.5000	Sendout	9-Jan-15	9-Jan-15	AC
459	Columbia Tco Pool	4,851	4,851	\$2.9000	Sendout	9-Jan-15	9-Jan-15	AC
460	Texas Eastern M2	5,000	5,000	\$2.5125	Sendout	9-Jan-15	9-Jan-15	AC
461	Transco Zone 4	8,630	8,630	\$2.9400	Purchase for Resale	9-Jan-15	9-Jan-15	AC
462	Texas Eastern M2	9,700	9,700	\$2.5150	Sendout	9-Jan-15	9-Jan-15	AC
463	Texas Eastern M2	10,000	10,000	\$2.5200	Sendout	9-Jan-15	9-Jan-15	AC
464	Transco Zone 6 NonNY	8,500	8,500	\$8.0000	Purchase for Resale	9-Jan-15	9-Jan-15	AC
465	Texas Eastern M3	9,204	9,204	\$2.7972	Sendout	9-Jan-15	9-Jan-15	AC
466	Columbia Delivered	5,374	5,374	\$6.5600	Purchase for Resale	9-Jan-15	9-Jan-15	AC
467	Columbia Delivered	50,757	50,757	\$6.5600	Purchase for Resale	9-Jan-15	9-Jan-15	AC
468	Columbia Delivered	60,956	60,956	\$6.5600	Purchase for Resale	9-Jan-15	9-Jan-15	AC
469	Transco Zone 6 NonNY	3,001	3,001	\$8.0000	Purchase for Resale	9-Jan-15	9-Jan-15	AC
470	Texas Eastern M2	90,000	30,000	\$1.6650	Sendout	10-Jan-15	12-Jan-15	AC
471	Columbia A06 Pool	49,107	16,369	\$1.7700	Sendout	10-Jan-15	12-Jan-15	AC
472	Columbia A06 Pool	13,419	4,473	\$2.4000	Sendout	10-Jan-15	12-Jan-15	AC
473	Texas Eastern M2	90,000	30,000	\$1.6650	Sendout	10-Jan-15	12-Jan-15	AC
474	Transco Zone 4	25,890	8,630	\$3.0200	Purchase for Resale	10-Jan-15	12-Jan-15	AC
475	Texas Eastern M2	43,092	14,364	\$1.6675	Sendout	10-Jan-15	12-Jan-15	AC
476	Transco Zone 6 NonNY	23,814	7,938	\$4.5000	Purchase for Resale	10-Jan-15	12-Jan-15	AC
477	Columbia Delivered	3,000	1,000	\$5.4200	Purchase for Resale	10-Jan-15	12-Jan-15	AC
478	Columbia Delivered	11,817	3,939	\$5.4200	Purchase for Resale	10-Jan-15	12-Jan-15	AC
479	Columbia Delivered	113,413	37,804	\$5.4200	Purchase for Resale	10-Jan-15	12-Jan-15	AC
480	Transco Zone 6 NonNY	37,896	12,632	\$4.5000	Purchase for Resale	10-Jan-15	12-Jan-15	AC
481	Transco Zone 4	8,630	8,630	\$2.9500	Purchase for Resale	13-Jan-15	13-Jan-15	AC
482	Texas Eastern M2	30,000	30,000	\$1.8350	Sendout	13-Jan-15	13-Jan-15	AC
483	Columbia A06 Pool	20,841	20,841	\$1.9850	Sendout	13-Jan-15	13-Jan-15	AC
484	Texas Eastern M2	20,000	20,000	\$1.8250	Sendout	13-Jan-15	13-Jan-15	AC
485	Texas Eastern M2	20,000	20,000	\$1.8300	Sendout	13-Jan-15	13-Jan-15	AC
486	Texas Eastern M2	4,364	4,364	\$1.8325	Sendout	13-Jan-15	13-Jan-15	AC
487	Transco Zone 6 NonNY	9,900	9,900	\$5.0500	Purchase for Resale	13-Jan-15	13-Jan-15	AC
488	Columbia Delivered	8,939	8,939	\$4.3500	Purchase for Resale	13-Jan-15	13-Jan-15	AC
489	Texas Eastern M2	30,000	30,000	\$2.1200	Sendout	14-Jan-15	14-Jan-15	AC
490	Columbia A06 Pool	20,841	20,841	\$2.3200	Sendout	14-Jan-15	14-Jan-15	AC
491	Texas Eastern M2	10,000	10,000	\$2.1200	Sendout	14-Jan-15	14-Jan-15	AC
492	Texas Eastern M2	20,000	20,000	\$2.1150	Sendout	14-Jan-15	14-Jan-15	AC
493	Texas Eastern M2	4,364	4,364	\$2.1200	Sendout	14-Jan-15	14-Jan-15	AC
494	Transco Zone 4	8,630	8,630	\$2.9200	Purchase for Resale	14-Jan-15	14-Jan-15	AC
495	Transco Zone 6 NonNY	9,940	9,940	\$3.2000	Purchase for Resale	14-Jan-15	14-Jan-15	AC
496	Columbia Delivered	3,939	3,939	\$4.1750	Purchase for Resale	14-Jan-15	14-Jan-15	AC
497	Columbia Delivered	21,557	21,557	\$4.1750	Purchase for Resale	14-Jan-15	14-Jan-15	AC
498	Transco Zone 6 NonNY	12,632	12,632	\$3.2000	Purchase for Resale	14-Jan-15	14-Jan-15	AC
499	Texas Eastern M2	30,000	30,000	\$2.3500	Sendout	15-Jan-15	15-Jan-15	AC
500	Columbia A06 Pool	20,842	20,842	\$2.5500	Sendout	15-Jan-15	15-Jan-15	AC
501	Texas Eastern M2	10,000	10,000	\$2.3425	Sendout	15-Jan-15	15-Jan-15	AC
502	Texas Eastern M2	20,000	20,000	\$2.3400	Sendout	15-Jan-15	15-Jan-15	AC
503	Texas Eastern M2	5,000	5,000	\$2.3450	Sendout	15-Jan-15	15-Jan-15	AC
504	Transco Zone 4	8,630	8,630	\$3.1700	Purchase for Resale	15-Jan-15	15-Jan-15	AC

Row	Purchase Point	Total Rcpt Qty (dth)	Daily Rcpt Qty (dth)	Price/dth	Deal Type	Start Date	End Date	Status
505	Texas Eastern M2	9,364	9,364	\$2.3475	Sendout	15-Jan-15	15-Jan-15	AC
506	Transco Zone 6 NonNY	9,940	9,940	\$4.0000	Purchase for Resale	15-Jan-15	15-Jan-15	AC
507	Columbia Delivered	3,939	3,939	\$3.9250	Purchase for Resale	15-Jan-15	15-Jan-15	AC
508	Columbia Delivered	16,222	16,222	\$3.9250	Purchase for Resale	15-Jan-15	15-Jan-15	AC
509	Transco Zone 6 NonNY	12,632	12,632	\$4.0000	Purchase for Resale	15-Jan-15	15-Jan-15	AC
510	Texas Eastern M2	30,000	30,000	\$2.7800	Sendout	16-Jan-15	16-Jan-15	AC
511	Columbia A06 Pool	20,842	20,842	\$3.0200	Sendout	16-Jan-15	16-Jan-15	AC
512	Texas Eastern M2	20,000	20,000	\$2.7700	Sendout	16-Jan-15	16-Jan-15	AC
513	Transco Zone 4	165	165	\$3.3650	Sendout	16-Jan-15	16-Jan-15	AC
514	Texas Eastern M2	24,364	24,364	\$2.7625	Sendout	16-Jan-15	16-Jan-15	AC
515	Columbia Delivered	20,100	20,100	\$5.1600	Purchase for Resale	16-Jan-15	16-Jan-15	AC
516	Columbia Delivered	18,553	18,553	\$5.1600	Purchase for Resale	16-Jan-15	16-Jan-15	AC
517	Columbia Delivered	3,939	3,939	\$5.1600	Purchase for Resale	16-Jan-15	16-Jan-15	AC
518	Texas Eastern M2	120,000	30,000	\$1.8600	Sendout	17-Jan-15	20-Jan-15	AC
519	Columbia A06 Pool	83,368	20,842	\$2.6950	Sendout	17-Jan-15	20-Jan-15	AC
520	Texas Eastern M2	80,000	20,000	\$1.8550	Sendout	17-Jan-15	20-Jan-15	AC
521	Transco Zone 4	34,520	8,630	\$3.0900	Purchase for Resale	17-Jan-15	20-Jan-15	AC
522	Texas Eastern M2	97,456	24,364	\$1.8575	Sendout	17-Jan-15	20-Jan-15	AC
523	Transco Zone 6 NonNY	39,760	9,940	\$3.2500	Purchase for Resale	17-Jan-15	20-Jan-15	AC
524	Columbia Delivered	15,756	3,939	\$3.4600	Purchase for Resale	17-Jan-15	20-Jan-15	AC
525	Columbia Delivered	128,000	32,000	\$3.4600	Purchase for Resale	17-Jan-15	20-Jan-15	AC
526	Columbia Delivered	80,265	20,066	\$3.4600	Purchase for Resale	17-Jan-15	20-Jan-15	AC
527	Transco Zone 6 NonNY	50,528	12,632	\$3.2500	Purchase for Resale	17-Jan-15	20-Jan-15	AC
528	Columbia Delivered	17,676	4,419	\$3.0500	Purchase for Resale	17-Jan-15	20-Jan-15	AC
529	Texas Eastern M2	30,000	30,000	\$2.0000	Sendout	21-Jan-15	21-Jan-15	AC
530	Columbia A06 Pool	20,842	20,842	\$2.5100	Sendout	21-Jan-15	21-Jan-15	AC
531	Texas Eastern M2	20,000	20,000	\$1.9975	Sendout	21-Jan-15	21-Jan-15	AC
532	Texas Eastern M2	24,346	24,346	\$2.0025	Sendout	21-Jan-15	21-Jan-15	AC
533	Columbia Delivered	2,155	2,155	\$3.0500	Purchase for Resale	21-Jan-15	21-Jan-15	AC
534	Columbia Delivered	3,939	3,939	\$3.1250	Purchase for Resale	21-Jan-15	21-Jan-15	AC
535	Columbia Delivered	35,000	35,000	\$3.1250	Purchase for Resale	21-Jan-15	21-Jan-15	AC
536	Columbia Delivered	930	930	\$3.1250	Purchase for Resale	21-Jan-15	21-Jan-15	AC
537	Columbia Delivered	4,719	4,719	\$3.0500	Purchase for Resale	21-Jan-15	21-Jan-15	AC
538	Transco Zone 6 NonNY	10,000	10,000	\$3.2000	Purchase for Resale	21-Jan-15	21-Jan-15	AC
539	Columbia Tco Pool	1,471	1,471	\$2.8050	Purchase for Resale	22-Jan-15	22-Jan-15	AC
540	Columbia A06 Pool	19,371	19,371	\$2.5000	Purchase for Resale	22-Jan-15	22-Jan-15	AC
541	Texas Eastern M2	25,947	25,947	\$1.9550	Sendout	22-Jan-15	22-Jan-15	AC
542	Columbia Delivered	2,155	2,155	\$3.1000	Purchase for Resale	22-Jan-15	22-Jan-15	AC
543	Columbia Delivered	3,937	3,937	\$2.7800	Purchase for Resale	22-Jan-15	22-Jan-15	AC
544	Columbia Delivered	45,000	45,000	\$2.7800	Purchase for Resale	22-Jan-15	22-Jan-15	AC
545	Columbia Delivered	4,719	4,719	\$3.1000	Purchase for Resale	22-Jan-15	22-Jan-15	AC
546	Columbia Tco Pool	6,568	6,568	\$2.7800	Purchase for Resale	23-Jan-15	23-Jan-15	AC
547	Columbia A06 Pool	10,195	10,195	\$2.4000	Purchase for Resale	23-Jan-15	23-Jan-15	AC
548	Columbia A06 Pool	4,078	4,078	\$2.3000	Purchase for Resale	23-Jan-15	23-Jan-15	AC
549	Transco Zone 4	8,630	8,630	\$2.9300	Purchase for Resale	23-Jan-15	23-Jan-15	AC
550	Columbia Delivered	2,155	2,155	\$2.9300	Purchase for Resale	23-Jan-15	23-Jan-15	AC
551	Transco Zone 6 NonNY	8,869	8,869	\$3.2500	Purchase for Resale	23-Jan-15	23-Jan-15	AC
552	Columbia Delivered	3,939	3,939	\$2.8050	Purchase for Resale	23-Jan-15	23-Jan-15	AC
553	Columbia Delivered	30,000	30,000	\$2.8050	Purchase for Resale	23-Jan-15	23-Jan-15	AC
554	Columbia Delivered	12,541	12,541	\$2.8050	Purchase for Resale	23-Jan-15	23-Jan-15	AC
555	Columbia Delivered	4,719	4,719	\$2.9300	Purchase for Resale	23-Jan-15	23-Jan-15	AC
556	Transco Zone 6 NonNY	12,632	12,632	\$3.2500	Purchase for Resale	23-Jan-15	23-Jan-15	AC
557	Columbia Tco Pool	13,584	4,528	\$2.7875	Sendout	24-Jan-15	26-Jan-15	AC
558	Columbia A06 Pool	48,939	16,313	\$2.6500	Sendout	24-Jan-15	26-Jan-15	AC
559	Texas Eastern M2	75,000	25,000	\$1.9650	Sendout	24-Jan-15	26-Jan-15	AC
560	Transco Zone 4	15,231	5,077	\$2.9600	Purchase for Resale	24-Jan-15	26-Jan-15	AC
561	Texas Eastern M2	85,821	28,607	\$1.9675	Sendout	24-Jan-15	26-Jan-15	AC
562	Columbia Delivered	24,474	8,158	\$4.5450	Purchase for Resale	24-Jan-15	26-Jan-15	AC
563	Columbia Delivered	49,800	16,600	\$4.5450	Purchase for Resale	24-Jan-15	26-Jan-15	AC
564	Columbia Delivered	1,800	1,800	\$4.5450	Purchase for Resale	26-Jan-15	26-Jan-15	AC
565	Columbia Delivered	20,970	20,970	\$4.5450	Purchase for Resale	26-Jan-15	26-Jan-15	AC
566	Columbia Tco Pool	3,509	3,509	\$2.7925	Sendout	27-Jan-15	27-Jan-15	AC
567	Columbia A06 Pool	17,332	17,332	\$2.7000	Sendout	27-Jan-15	27-Jan-15	AC
568	Texas Eastern M2	25,000	25,000	\$2.4350	Purchase for Resale/Sendout	27-Jan-15	27-Jan-15	AC
569	Transco Zone 4	8,630	8,630	\$2.9350	Purchase for Resale	27-Jan-15	27-Jan-15	AC
570	Texas Eastern M2	23,417	23,417	\$2.4500	Sendout	27-Jan-15	27-Jan-15	AC
571	Transco Zone 6 NonNY	7,505	7,505	\$7.0000	Purchase for Resale	27-Jan-15	27-Jan-15	AC
572	Columbia Delivered	6,374	6,374	\$7.3000	Purchase for Resale	27-Jan-15	27-Jan-15	AC
573	Columbia Delivered	76,000	76,000	\$7.3000	Purchase for Resale	27-Jan-15	27-Jan-15	AC
574	Columbia Delivered	638	638	\$7.3000	Purchase for Resale	27-Jan-15	27-Jan-15	AC
575	Transco Zone 6 NonNY	12,632	12,632	\$7.0000	Purchase for Resale	27-Jan-15	27-Jan-15	AC
576	Texas Eastern M2	30,000	30,000	\$2.5450	Sendout	28-Jan-15	28-Jan-15	AC

Row	Purchase Point	Total Rcpt Qty (dth)	Daily Rcpt Qty (dth)	Price/dth	Deal Type	Start Date	End Date	Status
577	Columbia A06 Pool	15,293	15,293	\$2.6950	Sendout	28-Jan-15	28-Jan-15	AC
578	Columbia A06 Pool	5,548	5,548	\$2.8000	Sendout	28-Jan-15	28-Jan-15	AC
579	Texas Eastern M2	18,064	18,064	\$2.5550	Sendout	28-Jan-15	28-Jan-15	AC
580	Tranco Zone 4	8,630	8,630	\$2.9950	Sendout	28-Jan-15	28-Jan-15	AC
581	Tranco Zone 6 NonNY	6,505	6,505	\$7.5000	Purchase for Resale	28-Jan-15	28-Jan-15	AC
582	Columbia Delivered	15,873	15,873	\$6.0300	Purchase for Resale	28-Jan-15	28-Jan-15	AC
583	Columbia Delivered	46,840	46,840	\$6.0300	Purchase for Resale	28-Jan-15	28-Jan-15	AC
584	Columbia Delivered	79	79	\$6.0300	Purchase for Resale	28-Jan-15	28-Jan-15	AC
585	Tranco Zone 6 NonNY	12,632	12,632	\$7.5000	Purchase for Resale	28-Jan-15	28-Jan-15	AC
586	Texas Eastern M2	30,000	30,000	\$2.0950	Sendout	29-Jan-15	29-Jan-15	AC
587	Columbia A06 Pool	5,548	5,548	\$2.5950	Sendout	29-Jan-15	29-Jan-15	AC
588	Columbia A06 Pool	15,293	15,293	\$2.6500	Sendout	29-Jan-15	29-Jan-15	AC
589	Texas Eastern M2	15,000	15,000	\$2.0950	Sendout	29-Jan-15	29-Jan-15	AC
590	Tranco Zone 4	8,630	8,630	\$2.9050	Purchase for Resale	29-Jan-15	29-Jan-15	AC
591	Texas Eastern M2	29,364	29,364	\$2.1050	Sendout	29-Jan-15	29-Jan-15	AC
592	Tranco Zone 6 NonNY	9,940	9,940	\$3.5000	Purchase for Resale	29-Jan-15	29-Jan-15	AC
593	Columbia Delivered	3,939	3,939	\$3.6950	Purchase for Resale	29-Jan-15	29-Jan-15	AC
594	Columbia Delivered	40,000	40,000	\$3.6950	Purchase for Resale	29-Jan-15	29-Jan-15	AC
595	Tranco Zone 6 NonNY	12,632	12,632	\$3.5000	Purchase for Resale	29-Jan-15	29-Jan-15	AC
596	Columbia Delivered	4,019	4,019	\$3.5000	Purchase for Resale	29-Jan-15	29-Jan-15	AC
597	Texas Eastern M2	40,728	20,364	\$2.2800	Sendout	30-Jan-15	31-Jan-15	AC
598	Texas Eastern M2	29,924	14,962	\$2.2650	Sendout	30-Jan-15	31-Jan-15	AC
599	Columbia A06 Pool	41,684	20,842	\$2.6000	Sendout	30-Jan-15	31-Jan-15	AC
600	Texas Eastern M2	30,000	15,000	\$2.2650	Sendout	30-Jan-15	31-Jan-15	AC
601	Tranco Zone 4	17,260	8,630	\$2.8500	Purchase for Resale	30-Jan-15	31-Jan-15	AC
602	Texas Eastern M2	48,000	24,000	\$2.2700	Sendout	30-Jan-15	31-Jan-15	AC
603	Columbia Delivered	18,316	9,158	\$4.8450	Purchase for Resale	30-Jan-15	31-Jan-15	AC
604	Columbia Delivered	40,000	20,000	\$4.8450	Purchase for Resale	30-Jan-15	31-Jan-15	AC
605	Texas Eastern M2	900,891	29,061	\$2.3390	Sendout	1-Jan-15	31-Jan-15	RJ
606	Texas Eastern M2	900,891	29,061	\$2.2890	Sendout	1-Jan-15	31-Jan-15	RJ
607	Texas Eastern M3	91	3	\$2.2500	Sendout	1-Feb-15	28-Feb-15	AC
608	Texas Eastern M3	1,094	39	\$2.2500	Sendout	1-Feb-15	28-Feb-15	AC
609	Texas Eastern M2	112,000	4,000	\$1.6660	Sendout	1-Feb-15	28-Feb-15	AC
610	Texas Eastern M3	1,462	52	\$2.2500	Sendout	1-Feb-15	28-Feb-15	AC
611	Texas Eastern M3	3	0	\$2.2500	Sendout	1-Feb-15	28-Feb-15	AC
612	Texas Eastern M2	311,808	11,136	\$2.0060	Sendout	1-Feb-15	28-Feb-15	AC
613	Texas Eastern M3	162	6	\$2.2500	Sendout	1-Feb-15	28-Feb-15	AC
614	Columbia A06 Pool	285,488	10,196	\$2.4800	Sendout	1-Feb-15	28-Feb-15	AC
615	ANR SW Headstation	247,050	8,823	\$2.8285	Purchase for Resale/Sendout	1-Feb-15	28-Feb-15	AC
616	Tranco Zone 6 Receipt	392,000	14,000	\$1.2860	Sendout	1-Feb-15	28-Feb-15	AC
617	Tranco Zone 6 Receipt	122,332	4,369	\$1.0150	Purchase for Resale/Sendout	1-Feb-15	28-Feb-15	AC
618	Tranco Zone 6 Receipt	71,174	2,542	\$1.4456	Purchase for Resale	1-Feb-15	28-Feb-15	AC
619	Texas Eastern M2	560,000	20,000	\$1.9525	Sendout	1-Feb-15	28-Feb-15	AC
620	Texas Eastern M3	58	2	\$2.2500	Sendout	1-Feb-15	28-Feb-15	AC
621	Tranco Zone 6 NonNY	280,000	10,000	\$2.1083	Sendout	1-Feb-15	28-Feb-15	AC
622	Tranco Zone 6 NonNY	140,000	5,000	\$2.9632	Sendout	1-Feb-15	28-Feb-15	AC
623	Columbia Delivered	413,308	14,761	\$4.8660	Purchase for Resale	1-Feb-15	28-Feb-15	AC
624	Texas Eastern M3	55,506	1,982	\$3.3326	Sendout	1-Feb-15	28-Feb-15	AC
625	Tranco Zone 6 NonNY	12,024	429	\$2.9170	Sendout	1-Feb-15	28-Feb-15	AC
626	Tranco Zone 6 NonNY	38,790	1,385	\$2.9559	Sendout	1-Feb-15	28-Feb-15	AC
627	Tranco Zone 6 NonNY	52,379	1,871	\$2.9032	Sendout	1-Feb-15	28-Feb-15	AC
628	Texas Eastern M2	60,000	30,000	\$2.4150	Sendout	1-Feb-15	2-Feb-15	AC
629	Texas Eastern M2	50,000	25,000	\$2.4050	Sendout	1-Feb-15	2-Feb-15	AC
630	Columbia A06 Pool	28,896	14,448	\$2.4550	Sendout	1-Feb-15	2-Feb-15	AC
631	Texas Eastern M2	34,212	17,106	\$2.4225	Sendout	1-Feb-15	2-Feb-15	AC
632	Columbia A06 Pool	12,000	6,000	\$2.4000	Sendout	1-Feb-15	2-Feb-15	AC
633	Tranco Zone 4	17,260	8,630	\$2.6850	Sendout	1-Feb-15	2-Feb-15	AC
634	Columbia Delivered	70,770	35,385	\$7.7700	Purchase for Resale	1-Feb-15	2-Feb-15	AC
635	Columbia Delivered	2,034	1,017	\$7.7700	Purchase for Resale	1-Feb-15	2-Feb-15	AC
636	Texas Eastern M3	8,068	8,068	\$2.6687	Sendout	2-Feb-15	2-Feb-15	AC
637	Columbia Tco Pool	3,115	3,115	\$2.5900	Sendout	3-Feb-15	3-Feb-15	AC
638	Texas Eastern M2	30,000	30,000	\$2.3450	Sendout	3-Feb-15	3-Feb-15	AC
639	Texas Eastern M2	12,902	12,902	\$2.3500	Sendout	3-Feb-15	3-Feb-15	AC
640	Columbia A06 Pool	7,137	7,137	\$2.4500	Sendout	3-Feb-15	3-Feb-15	AC
641	Texas Eastern M2	10,000	10,000	\$2.3400	Sendout	3-Feb-15	3-Feb-15	AC
642	Texas Eastern M2	3,400	3,400	\$2.3400	Sendout	3-Feb-15	3-Feb-15	AC
643	Columbia A06 Pool	10,195	10,195	\$2.5500	Sendout	3-Feb-15	3-Feb-15	AC
644	Tranco Zone 4	8,630	8,630	\$2.7100	Purchase for Resale	3-Feb-15	3-Feb-15	AC
645	Texas Eastern M2	15,800	15,800	\$2.3400	Sendout	3-Feb-15	3-Feb-15	AC
646	Tranco Zone 6 NonNY	9,476	9,476	\$5.0000	Purchase for Resale	3-Feb-15	3-Feb-15	AC
647	Columbia Delivered	2,140	2,140	\$3.7500	Purchase for Resale	3-Feb-15	3-Feb-15	AC
648	Texas Eastern M3	3,000	3,000	\$2.5891	Sendout	3-Feb-15	3-Feb-15	AC

Row	Purchase Point	Total Rcpt Qty (dth)	Daily Rcpt Qty (dth)	Price/dth	Deal Type	Start Date	End Date	Status
649	Columbia Delivered	4,971	4,971	\$4.2150	Purchase for Resale	3-Feb-15	3-Feb-15	AC
650	Columbia Delivered	8,100	8,100	\$4.2150	Purchase for Resale	3-Feb-15	3-Feb-15	AC
651	Transco Zone 6 NonNY	12,528	12,528	\$5.0000	Purchase for Resale	3-Feb-15	3-Feb-15	AC
652	Texas Eastern M2	30,000	30,000	\$2.2750	Sendout	4-Feb-15	4-Feb-15	AC
653	Texas Eastern M2	25,102	25,102	\$2.2750	Sendout	4-Feb-15	4-Feb-15	AC
654	Columbia A06 Pool	20,447	20,447	\$2.4800	Sendout	4-Feb-15	4-Feb-15	AC
655	Texas Eastern M2	2,000	2,000	\$2.2650	Sendout	4-Feb-15	4-Feb-15	AC
656	Transco Zone 4	8,630	8,630	\$2.6800	Purchase for Resale	4-Feb-15	4-Feb-15	AC
657	Texas Eastern M2	15,000	15,000	\$2.2675	Sendout	4-Feb-15	4-Feb-15	AC
658	Columbia Delivered	2,140	2,140	\$3.0500	Purchase for Resale	4-Feb-15	4-Feb-15	AC
659	Transco Zone 6 NonNY	10,911	10,911	\$3.1000	Purchase for Resale	4-Feb-15	4-Feb-15	AC
660	Columbia Delivered	40,000	40,000	\$3.2350	Purchase for Resale	4-Feb-15	4-Feb-15	AC
661	Columbia Delivered	3,447	3,447	\$3.2350	Purchase for Resale	4-Feb-15	4-Feb-15	AC
662	Columbia Delivered	4,519	4,519	\$3.0500	Purchase for Resale	4-Feb-15	4-Feb-15	AC
663	Transco Zone 6 NonNY	2,528	2,528	\$3.1000	Purchase for Resale	4-Feb-15	4-Feb-15	AC
664	Columbia Tco Pool	8,212	8,212	\$2.7000	Sendout	5-Feb-15	5-Feb-15	AC
665	Texas Eastern M2	30,000	30,000	\$2.5500	Sendout	5-Feb-15	5-Feb-15	AC
666	Texas Eastern M2	20,000	20,000	\$2.5450	Sendout	5-Feb-15	5-Feb-15	AC
667	Columbia A06 Pool	12,235	12,235	\$2.6000	Sendout	5-Feb-15	5-Feb-15	AC
668	Transco Zone 4	8,630	8,630	\$2.7700	Sendout	5-Feb-15	5-Feb-15	AC
669	Texas Eastern M2	22,102	22,102	\$2.5500	Sendout	5-Feb-15	5-Feb-15	AC
670	Texas Eastern M3	7,000	7,000	\$2.7961	Sendout	5-Feb-15	5-Feb-15	AC
671	Columbia Delivered	27,409	27,409	\$6.1800	Purchase for Resale	5-Feb-15	5-Feb-15	AC
672	Columbia Delivered	51,732	51,732	\$6.1800	Purchase for Resale	5-Feb-15	5-Feb-15	AC
673	Texas Eastern M2	10,000	10,000	\$2.2750	Sendout	6-Feb-15	6-Feb-15	AC
674	Texas Eastern M2	22,103	22,103	\$2.2800	Sendout	6-Feb-15	6-Feb-15	AC
675	Texas Eastern M2	20,000	20,000	\$2.2650	Sendout	6-Feb-15	6-Feb-15	AC
676	Texas Eastern M2	20,000	20,000	\$2.2675	Sendout	6-Feb-15	6-Feb-15	AC
677	Columbia A06 Pool	20,447	20,447	\$2.5200	Sendout	6-Feb-15	6-Feb-15	AC
678	Transco Zone 4	8,630	8,630	\$2.6300	Purchase for Resale	6-Feb-15	6-Feb-15	AC
679	Transco Zone 6 NonNY	10,911	10,911	\$4.2000	Purchase for Resale	6-Feb-15	6-Feb-15	AC
680	Columbia Delivered	3,447	3,447	\$4.0250	Purchase for Resale	6-Feb-15	6-Feb-15	AC
681	Transco Zone 6 NonNY	2,528	2,528	\$4.2000	Purchase for Resale	6-Feb-15	6-Feb-15	AC
682	Texas Eastern M2	30,000	10,000	\$2.2400	Sendout	7-Feb-15	9-Feb-15	AC
683	Columbia A06 Pool	61,173	20,391	\$2.1000	Purchase for Resale	7-Feb-15	9-Feb-15	AC
684	Columbia A06 Pool	825	275	\$2.1500	Purchase for Resale	7-Feb-15	9-Feb-15	AC
685	Texas Eastern M2	132,000	44,000	\$2.2350	Sendout	7-Feb-15	9-Feb-15	AC
686	Texas Eastern M2	15,000	5,000	\$2.2375	Sendout	7-Feb-15	9-Feb-15	AC
687	Texas Eastern M2	24,000	8,000	\$2.2325	Sendout	7-Feb-15	9-Feb-15	AC
688	Texas Eastern M2	15,000	5,000	\$2.2350	Sendout	7-Feb-15	9-Feb-15	AC
689	Columbia Delivered	12,420	4,140	\$2.3200	Purchase for Resale	7-Feb-15	9-Feb-15	AC
690	Columbia Delivered	23,550	7,850	\$2.4300	Purchase for Resale	7-Feb-15	9-Feb-15	AC
691	Columbia Delivered	10,341	3,447	\$2.4300	Purchase for Resale	7-Feb-15	9-Feb-15	AC
692	Columbia Delivered	14,157	4,719	\$2.3200	Purchase for Resale	7-Feb-15	9-Feb-15	AC
693	Texas Eastern M2	30,000	30,000	\$2.3900	Sendout	10-Feb-15	10-Feb-15	AC
694	Columbia A06 Pool	20,666	20,666	\$2.4000	Sendout	10-Feb-15	10-Feb-15	AC
695	Texas Eastern M2	20,000	20,000	\$2.3875	Sendout	10-Feb-15	10-Feb-15	AC
696	Texas Eastern M2	2,103	2,103	\$2.3850	Sendout	10-Feb-15	10-Feb-15	AC
697	Texas Eastern M2	5,000	5,000	\$2.3850	Sendout	10-Feb-15	10-Feb-15	AC
698	Transco Zone 4	8,630	8,630	\$2.6300	Purchase for Resale/Sendout	10-Feb-15	10-Feb-15	AC
699	Texas Eastern M2	15,000	15,000	\$2.3850	Sendout	10-Feb-15	10-Feb-15	AC
700	Columbia Delivered	4,140	4,140	\$3.0500	Purchase for Resale	10-Feb-15	10-Feb-15	AC
701	Transco Zone 6 NonNY	5,750	5,750	\$2.9000	Purchase for Resale	10-Feb-15	10-Feb-15	AC
702	Columbia Delivered	3,447	3,447	\$2.9850	Purchase for Resale	10-Feb-15	10-Feb-15	AC
703	Columbia Delivered	24,154	24,154	\$3.7500	Purchase for Resale	10-Feb-15	10-Feb-15	AC
704	Columbia Delivered	4,719	4,719	\$3.0500	Purchase for Resale	10-Feb-15	10-Feb-15	AC
705	Transco Zone 6 NonNY	5,751	5,751	\$2.9000	Purchase for Resale	10-Feb-15	10-Feb-15	AC
706	Texas Eastern M2	30,000	30,000	\$2.5625	Sendout	11-Feb-15	11-Feb-15	AC
707	Columbia A06 Pool	20,666	20,666	\$2.5300	Sendout	11-Feb-15	11-Feb-15	AC
708	Texas Eastern M2	20,000	20,000	\$2.5525	Sendout	11-Feb-15	11-Feb-15	AC
709	Texas Eastern M2	7,103	7,103	\$2.5550	Sendout	11-Feb-15	11-Feb-15	AC
710	Texas Eastern M2	9,742	9,742	\$2.5475	Sendout	11-Feb-15	11-Feb-15	AC
711	Texas Eastern M2	5,000	5,000	\$2.5525	Sendout	11-Feb-15	11-Feb-15	AC
712	Transco Zone 4	8,630	8,630	\$2.7000	Purchase for Resale	11-Feb-15	11-Feb-15	AC
713	Columbia Delivered	4,140	4,140	\$3.1000	Purchase for Resale	11-Feb-15	11-Feb-15	AC
714	Transco Zone 6 NonNY	10,911	10,911	\$3.4000	Purchase for Resale	11-Feb-15	11-Feb-15	AC
715	Columbia Delivered	3,447	3,447	\$4.1300	Purchase for Resale	11-Feb-15	11-Feb-15	AC
716	Transco Zone 6 NonNY	12,528	12,528	\$3.4000	Purchase for Resale	11-Feb-15	11-Feb-15	AC
717	Texas Eastern M2	30,000	30,000	\$2.8700	Sendout	12-Feb-15	12-Feb-15	AC
718	Columbia A06 Pool	20,666	20,666	\$2.8000	Sendout	12-Feb-15	12-Feb-15	AC
719	Texas Eastern M2	20,000	20,000	\$2.8700	Sendout	12-Feb-15	12-Feb-15	AC
720	Transco Zone 4	8,631	8,631	\$2.8800	Purchase for Resale	12-Feb-15	12-Feb-15	AC

Row	Purchase Point	Total Rcpt Qty (dth)	Daily Rcpt Qty (dth)	Price/dth	Deal Type	Start Date	End Date	Status
721	Texas Eastern M2	3,069	3,069	\$3.0632	Sendout	12-Feb-15	12-Feb-15	AC
722	Columbia Delivered	62,460	62,460	\$8.3550	Purchase for Resale	12-Feb-15	12-Feb-15	AC
723	Columbia Delivered	5,382	5,382	\$8.3550	Purchase for Resale	12-Feb-15	12-Feb-15	AC
724	Columbia Delivered	24,550	24,550	\$8.3550	Purchase for Resale	12-Feb-15	12-Feb-15	AC
725	TranSCO Zone 6 NonNY	6,504	6,504	\$7.0000	Purchase for Resale	12-Feb-15	12-Feb-15	AC
726	Texas Eastern M2	10,000	10,000	\$2.8500	Sendout	13-Feb-15	13-Feb-15	AC
727	Columbia A06 Pool	5,000	5,000	\$2.8000	Sendout	13-Feb-15	13-Feb-15	AC
728	Texas Eastern M2	30,000	30,000	\$2.8800	Sendout	13-Feb-15	13-Feb-15	AC
729	Columbia A06 Pool	15,666	15,666	\$2.8500	Sendout	13-Feb-15	13-Feb-15	AC
730	Texas Eastern M2	5,000	5,000	\$2.8800	Sendout	13-Feb-15	13-Feb-15	AC
731	Texas Eastern M2	5,000	5,000	\$2.8750	Sendout	13-Feb-15	13-Feb-15	AC
732	TranSCO Zone 4	8,630	8,630	\$2.8850	Purchase for Resale	13-Feb-15	13-Feb-15	AC
733	Texas Eastern M2	7,160	7,160	\$3.0735	Sendout	13-Feb-15	13-Feb-15	AC
734	Columbia Delivered	5,382	5,382	\$9.4250	Purchase for Resale	13-Feb-15	13-Feb-15	AC
735	Columbia Delivered	33,157	33,157	\$9.4250	Purchase for Resale	13-Feb-15	13-Feb-15	AC
736	Texas Eastern M2	120,000	30,000	\$2.7175	Sendout	14-Feb-15	17-Feb-15	AC
737	Texas Eastern M2	80,000	20,000	\$2.7100	Sendout	14-Feb-15	17-Feb-15	AC
738	Texas Eastern M2	60,000	15,000	\$2.7050	Sendout	14-Feb-15	17-Feb-15	AC
739	TranSCO Zone 4	34,520	8,630	\$2.7550	Sendout	14-Feb-15	17-Feb-15	AC
740	Texas Eastern M2	28,412	7,103	\$2.7050	Sendout	14-Feb-15	17-Feb-15	AC
741	Columbia Delivered	71,524	17,881	\$16.1250	Purchase for Resale	14-Feb-15	17-Feb-15	AC
742	Columbia Delivered	19,228	4,807	\$12.6500	Purchase for Resale	14-Feb-15	17-Feb-15	AC
743	Columbia Delivered	77,128	19,282	\$16.1250	Purchase for Resale	14-Feb-15	17-Feb-15	AC
744	Texas Eastern M2	8,183	8,183	\$2.8815	Sendout	14-Feb-15	14-Feb-15	AC
745	Texas Eastern M2	5,115	5,115	\$2.8815	Sendout	15-Feb-15	15-Feb-15	AC
746	Texas Eastern M3	5,115	5,115	\$2.8815	Sendout	15-Feb-15	15-Feb-15	AC
747	Columbia Delivered	691	691	\$2.9472	Sendout	15-Feb-15	15-Feb-15	AC
748	Columbia Delivered	1,911	1,911	\$2.8664	Sendout	15-Feb-15	15-Feb-15	AC
749	Texas Eastern M2	8,183	8,183	\$2.8815	Sendout	16-Feb-15	16-Feb-15	AC
750	Texas Eastern M3	8,183	8,183	\$2.8815	Sendout	17-Feb-15	17-Feb-15	AC
751	Columbia Tco Pool	189	189	\$3.0600	Sendout	18-Feb-15	18-Feb-15	AC
752	Texas Eastern M2	30,000	30,000	\$3.0800	Sendout	18-Feb-15	18-Feb-15	AC
753	Texas Eastern M2	20,000	20,000	\$3.0600	Sendout	18-Feb-15	18-Feb-15	AC
754	Columbia Tco Pool	20,477	20,477	\$3.0400	Sendout	18-Feb-15	18-Feb-15	AC
755	Texas Eastern M2	5,000	5,000	\$3.0950	Sendout	18-Feb-15	18-Feb-15	AC
756	TranSCO Zone 4	8,630	8,630	\$3.0000	Purchase for Resale	18-Feb-15	18-Feb-15	AC
757	Texas Eastern M2	17,103	17,103	\$3.0700	Sendout	18-Feb-15	18-Feb-15	AC
758	Columbia Delivered	7,382	7,382	\$20.5850	Purchase for Resale	18-Feb-15	18-Feb-15	AC
759	Columbia Delivered	12,785	12,785	\$20.5850	Purchase for Resale	18-Feb-15	18-Feb-15	AC
760	Texas Eastern WLA	10,000	10,000	\$2.8100	Sendout	19-Feb-15	19-Feb-15	AC
761	Texas Eastern M2	20,000	20,000	\$3.2150	Sendout	19-Feb-15	19-Feb-15	AC
762	Texas Eastern STX	2,917	2,917	\$2.7500	Sendout	19-Feb-15	19-Feb-15	AC
763	Texas Eastern WLA	20,000	20,000	\$2.8000	Sendout	19-Feb-15	19-Feb-15	AC
764	Texas Eastern M2	20,000	20,000	\$3.2100	Sendout	19-Feb-15	19-Feb-15	AC
765	TranSCO Zone 4	8,630	8,630	\$2.9550	Sendout	19-Feb-15	19-Feb-15	AC
766	Texas Eastern M2	2,046	2,046	\$3.4108	Sendout	19-Feb-15	19-Feb-15	AC
767	Columbia Delivered	15,881	15,881	\$21.0850	Purchase for Resale	19-Feb-15	19-Feb-15	AC
768	Texas Eastern M3	5,887	5,887	\$3.1854	Sendout	19-Feb-15	19-Feb-15	AC
769	Columbia Tco Pool	10,196	10,196	\$3.0000	Sendout	20-Feb-15	20-Feb-15	AC
770	Texas Eastern M2	20,000	20,000	\$3.1150	Sendout	20-Feb-15	20-Feb-15	AC
771	Columbia Tco Pool	10,470	10,470	\$3.0000	Sendout	20-Feb-15	20-Feb-15	AC
772	Texas Eastern WLA	10,000	10,000	\$2.8700	Sendout	20-Feb-15	20-Feb-15	AC
773	Texas Eastern WLA	10,716	10,716	\$2.9400	Sendout	20-Feb-15	20-Feb-15	AC
774	TranSCO Zone 4	8,630	8,630	\$2.9600	Sendout	20-Feb-15	20-Feb-15	AC
775	Texas Eastern STX	4,000	4,000	\$2.7200	Sendout	20-Feb-15	20-Feb-15	AC
776	Texas Eastern M2	28,000	28,000	\$3.1150	Sendout	20-Feb-15	20-Feb-15	AC
777	Columbia Delivered	15,881	15,881	\$17.0200	Purchase for Resale	20-Feb-15	20-Feb-15	AC
778	Columbia Delivered	10,630	10,630	\$17.0200	Purchase for Resale	20-Feb-15	20-Feb-15	AC
779	Texas Eastern M2	90,000	30,000	\$2.9575	Sendout	21-Feb-15	23-Feb-15	AC
780	Columbia A06 Pool	13,323	4,441	\$2.9500	Sendout	21-Feb-15	23-Feb-15	AC
781	Texas Eastern M2	66,309	22,103	\$2.9575	Sendout	21-Feb-15	23-Feb-15	AC
782	Columbia Tco Pool	48,675	16,225	\$3.0900	Sendout	21-Feb-15	23-Feb-15	AC
783	Texas Eastern M2	60,000	20,000	\$2.9525	Purchase for Resale/Sendout	21-Feb-15	23-Feb-15	AC
784	TranSCO Zone 4	25,890	8,630	\$3.1200	Sendout	21-Feb-15	23-Feb-15	AC
785	Columbia Delivered	35,838	11,946	\$12.3850	Purchase for Resale	21-Feb-15	23-Feb-15	AC
786	Texas Eastern M3	2,046	2,046	\$3.1410	Sendout	23-Feb-15	23-Feb-15	AC
787	Columbia Delivered	9,848	9,848	\$12.3850	Purchase for Resale	23-Feb-15	23-Feb-15	AC
788	Columbia Delivered	11,512	11,512	\$12.3850	Purchase for Resale	23-Feb-15	23-Feb-15	AC
789	Texas Eastern M2	30,000	30,000	\$3.3250	Sendout	24-Feb-15	24-Feb-15	AC
790	Texas Eastern M2	20,000	20,000	\$3.3150	Sendout	24-Feb-15	24-Feb-15	AC
791	Columbia Tco Pool	20,666	20,666	\$3.2625	Sendout	24-Feb-15	24-Feb-15	AC
792	Texas Eastern WLA	23,000	23,000	\$3.1800	Purchase for Resale/Sendout	24-Feb-15	24-Feb-15	AC

Row	Purchase Point	Total Rcpt Qty (dth)	Daily Rcpt Qty (dth)	Price/dth	Deal Type	Start Date	End Date	Status
793	Transco Zone 4	8,630	8,630	\$3.2400	Sendout	24-Feb-15	24-Feb-15	AC
794	Columbia Delivered	11,946	11,946	\$18.2850	Purchase for Resale	24-Feb-15	24-Feb-15	AC
795	Columbia Delivered	15,343	15,343	\$18.2850	Purchase for Resale	24-Feb-15	24-Feb-15	AC
796	Texas Eastern M2	30,000	30,000	\$3.1875	Sendout	25-Feb-15	25-Feb-15	AC
797	Columbia A06 Pool	1,162	1,162	\$3.1200	Sendout	25-Feb-15	25-Feb-15	AC
798	Texas Eastern M2	20,000	20,000	\$3.1850	Sendout	25-Feb-15	25-Feb-15	AC
799	Columbia Tco Pool	9,503	9,503	\$3.1925	Sendout	25-Feb-15	25-Feb-15	AC
800	Columbia A06 Pool	10,000	10,000	\$3.1950	Sendout	25-Feb-15	25-Feb-15	AC
801	Texas Eastern M2	22,103	22,103	\$3.1500	Purchase for Resale/Sendout	25-Feb-15	25-Feb-15	AC
802	Transco Zone 4	8,630	8,630	\$3.1450	Sendout	25-Feb-15	25-Feb-15	AC
803	Columbia Delivered	11,946	11,946	\$11.0450	Purchase for Resale	25-Feb-15	25-Feb-15	AC
804	Columbia Delivered	2,027	2,027	\$11.0450	Purchase for Resale	25-Feb-15	25-Feb-15	AC
805	Texas Eastern M2	7,492	7,492	\$3.1900	Sendout	26-Feb-15	26-Feb-15	AC
806	Columbia Tco Pool	15,665	15,665	\$3.2950	Sendout	26-Feb-15	26-Feb-15	AC
807	Texas Eastern M2	24,611	24,611	\$3.2000	Sendout	26-Feb-15	26-Feb-15	AC
808	Columbia A06 Pool	5,000	5,000	\$3.2750	Sendout	26-Feb-15	26-Feb-15	AC
809	Texas Eastern M2	2,000	2,000	\$3.1900	Sendout	26-Feb-15	26-Feb-15	AC
810	Texas Eastern M2	10,000	10,000	\$3.2200	Sendout	26-Feb-15	26-Feb-15	AC
811	Transco Zone 4	8,630	8,630	\$3.2500	Purchase for Resale	26-Feb-15	26-Feb-15	AC
812	Texas Eastern M2	28,000	28,000	\$3.1900	Sendout	26-Feb-15	26-Feb-15	AC
813	Texas Eastern M3	3,069	3,069	\$3.3849	Sendout	26-Feb-15	26-Feb-15	AC
814	Columbia Delivered	3,447	3,447	\$20.9600	Purchase for Resale	26-Feb-15	26-Feb-15	AC
815	Columbia Delivered	5,477	5,477	\$20.9600	Purchase for Resale	26-Feb-15	26-Feb-15	AC
816	Columbia Delivered	45,632	45,632	\$20.9600	Purchase for Resale	26-Feb-15	26-Feb-15	AC
817	Texas Eastern M2	24,206	12,103	\$2.8550	Sendout	27-Feb-15	28-Feb-15	AC
818	Texas Eastern M2	20,000	10,000	\$2.8550	Sendout	27-Feb-15	28-Feb-15	AC
819	Columbia Tco Pool	18,750	9,375	\$3.1100	Sendout	27-Feb-15	28-Feb-15	AC
820	Texas Eastern M2	70,000	35,000	\$2.8550	Sendout	27-Feb-15	28-Feb-15	AC
821	Columbia A06 Pool	22,582	11,291	\$3.1200	Sendout	27-Feb-15	28-Feb-15	AC
822	Texas Eastern M2	30,000	15,000	\$2.8550	Sendout	27-Feb-15	28-Feb-15	AC
823	Transco Zone 4	17,260	8,630	\$3.0800	Purchase for Resale/Sendout	27-Feb-15	28-Feb-15	AC
824	Columbia Delivered	12,894	6,447	\$13.6850	Purchase for Resale	27-Feb-15	28-Feb-15	AC
825	Columbia Delivered	106,000	53,000	\$13.6850	Purchase for Resale	27-Feb-15	28-Feb-15	AC
826	Texas Eastern M3	3,069	3,069	\$3.0220	Sendout	27-Feb-15	27-Feb-15	AC
827	Texas Eastern M3	8,183	8,183	\$3.0220	Sendout	28-Feb-15	28-Feb-15	AC
828	Texas Eastern M2	1,023	1,023	\$3.0220	Sendout	28-Feb-15	28-Feb-15	AC
829	Texas Eastern M2	871,808	31,136	\$2.0460	Sendout	1-Feb-15	28-Feb-15	RJ
830	Texas Eastern M2	871,808	31,136	\$2.8610	Sendout	1-Feb-15	28-Feb-15	RJ
831	Texas Eastern M2	871,808	31,136	\$2.0160	Sendout	1-Feb-15	28-Feb-15	RJ
832	Texas Eastern M3	13	0	\$2.3220	Sendout	1-Mar-15	31-Mar-15	AC
833	Texas Eastern M2	120,893	3,900	\$1.6940	Sendout	1-Mar-15	31-Mar-15	AC
834	Texas Eastern M3	10	0	\$2.3220	Sendout	1-Mar-15	31-Mar-15	AC
835	Texas Eastern M2	620,016	20,001	\$2.1650	Sendout	1-Mar-15	31-Mar-15	AC
836	Texas Eastern M3	26	1	\$2.3220	Sendout	1-Mar-15	31-Mar-15	AC
837	Columbia A06 Pool	316,076	10,196	\$2.3240	Sendout	1-Mar-15	31-Mar-15	AC
838	ANR SW Headstation	275,914	8,900	\$2.8565	Sendout	1-Mar-15	31-Mar-15	AC
839	Transco Zone 6 Receipt	434,000	14,000	\$1.3140	Sendout	1-Mar-15	31-Mar-15	AC
840	Transco Zone 6 Receipt	87,110	2,810	\$1.1450	Purchase for Resale/Sendout	1-Mar-15	31-Mar-15	AC
841	Transco Zone 6 Receipt	113,677	3,667	\$1.4357	Purchase for Resale	1-Mar-15	31-Mar-15	AC
842	Transco Zone 6 NonNY	310,000	10,000	\$2.3366	Sendout	1-Mar-15	31-Mar-15	AC
843	Transco Zone 6 NonNY	91,000	2,935	\$3.0025	Sendout	1-Mar-15	31-Mar-15	AC
844	Columbia Delivered	558,000	18,000	\$3.5940	Purchase for Resale	1-Mar-15	31-Mar-15	AC
845	Columbia A06 Pool	13,384	6,692	\$2.6000	Sendout	1-Mar-15	2-Mar-15	AC
846	Texas Eastern M2	80,000	40,000	\$2.0525	Sendout	1-Mar-15	2-Mar-15	AC
847	Texas Eastern M2	20,000	10,000	\$2.0550	Sendout	1-Mar-15	2-Mar-15	AC
848	Texas Eastern M2	3,000	1,500	\$2.0650	Sendout	1-Mar-15	2-Mar-15	AC
849	Texas Eastern M2	14,758	7,379	\$2.0650	Sendout	1-Mar-15	2-Mar-15	AC
850	Columbia Delivered	5,514	2,757	\$2.7800	Purchase for Resale	1-Mar-15	2-Mar-15	AC
851	Columbia Delivered	12,024	6,012	\$2.2800	Purchase for Resale	1-Mar-15	2-Mar-15	AC
852	Columbia Delivered	37,976	18,988	\$2.2800	Purchase for Resale	1-Mar-15	2-Mar-15	AC
853	Texas Eastern M3	10,000	5,000	\$2.2000	Purchase for Resale	1-Mar-15	2-Mar-15	AC
854	Texas Eastern M3	3,069	3,069	\$2.2172	Sendout	2-Mar-15	2-Mar-15	AC
855	Texas Eastern M2	13,879	13,879	\$2.3225	Purchase for Resale/Sendout	3-Mar-15	3-Mar-15	AC
856	Columbia A06 Pool	6,692	6,692	\$2.7350	Sendout	3-Mar-15	3-Mar-15	AC
857	Texas Eastern M2	15,000	15,000	\$2.3225	Sendout	3-Mar-15	3-Mar-15	AC
858	Texas Eastern M2	18,203	18,203	\$2.3200	Sendout	3-Mar-15	3-Mar-15	AC
859	Texas Eastern M2	10,000	10,000	\$2.3200	Sendout	3-Mar-15	3-Mar-15	AC
860	Texas Eastern M3	5,115	5,115	\$2.7310	Sendout	3-Mar-15	3-Mar-15	AC
861	Columbia Delivered	36,000	36,000	\$3.0900	Purchase for Resale	3-Mar-15	3-Mar-15	AC
862	Columbia Delivered	2,757	2,757	\$3.0900	Purchase for Resale	3-Mar-15	3-Mar-15	AC
863	Texas Eastern M3	6,012	6,012	\$2.3200	Purchase for Resale	3-Mar-15	3-Mar-15	AC
864	Texas Eastern M3	7,769	7,769	\$2.3200	Purchase for Resale	3-Mar-15	3-Mar-15	AC

Row	Purchase Point	Total Rcpt Qty (dth)	Daily Rcpt Qty (dth)	Price/dth	Deal Type	Start Date	End Date	Status
865	Texas Eastern M3	6,219	6,219	\$2.3200	Purchase for Resale	3-Mar-15	3-Mar-15	AC
866	Texas Eastern M3	10,000	10,000	\$2.3200	Purchase for Resale	3-Mar-15	3-Mar-15	AC
867	Texas Eastern M2	28,879	28,879	\$2.5600	Sendout	4-Mar-15	4-Mar-15	AC
868	Columbia A06 Pool	6,692	6,692	\$2.8800	Sendout	4-Mar-15	4-Mar-15	AC
869	Texas Eastern M2	20,000	20,000	\$2.5550	Sendout	4-Mar-15	4-Mar-15	AC
870	Texas Eastern M2	10,000	10,000	\$2.5550	Sendout	4-Mar-15	4-Mar-15	AC
871	Columbia Delivered	2,600	2,600	\$3.0000	Purchase for Resale	4-Mar-15	4-Mar-15	AC
872	Columbia Delivered	2,757	2,757	\$3.0200	Purchase for Resale	4-Mar-15	4-Mar-15	AC
873	Columbia Delivered	19,000	19,000	\$3.0200	Purchase for Resale	4-Mar-15	4-Mar-15	AC
874	Transco Zone 6 NonNY	47,900	1,774	\$3.3651	Sendout	5-Mar-15	31-Mar-15	AC
875	Texas Eastern M2	30,000	30,000	\$3.2150	Sendout	5-Mar-15	5-Mar-15	AC
876	Texas Eastern M2	10,000	10,000	\$3.2450	Sendout	5-Mar-15	5-Mar-15	AC
877	Columbia A06 Pool	6,692	6,692	\$3.4000	Purchase for Resale/Sendout	5-Mar-15	5-Mar-15	AC
878	Texas Eastern M2	10,000	10,000	\$3.2400	Sendout	5-Mar-15	5-Mar-15	AC
879	Texas Eastern M2	10,000	10,000	\$3.2000	Sendout	5-Mar-15	5-Mar-15	AC
880	Texas Eastern M3	2,557	2,557	\$3.4108	Sendout	5-Mar-15	5-Mar-15	AC
881	Columbia Delivered	7,701	7,701	\$9.5200	Purchase for Resale	5-Mar-15	5-Mar-15	AC
882	Columbia Delivered	18,500	18,500	\$9.5200	Purchase for Resale	5-Mar-15	5-Mar-15	AC
883	Texas Eastern M3	14,934	14,934	\$3.5506	Sendout	5-Mar-15	5-Mar-15	AC
884	Transco Zone 6 NonNY	8,091	8,091	\$3.3587	Sendout	5-Mar-15	5-Mar-15	AC
885	Texas Eastern M2	30,000	30,000	\$3.1000	Sendout	6-Mar-15	6-Mar-15	AC
886	Texas Eastern M2	13,879	13,879	\$3.0900	Storage/Sendout	6-Mar-15	6-Mar-15	AC
887	Columbia A06 Pool	6,692	6,692	\$3.1900	Sendout	6-Mar-15	6-Mar-15	AC
888	Texas Eastern M2	15,000	15,000	\$3.0850	Sendout	6-Mar-15	6-Mar-15	AC
889	ANR FSS	271	271	\$3.1700	Sendout	6-Mar-15	6-Mar-15	AC
890	Texas Eastern M3	5,115	5,115	\$3.2499	Sendout	6-Mar-15	6-Mar-15	AC
891	Columbia Delivered	6,201	6,201	\$12.6150	Purchase for Resale	6-Mar-15	6-Mar-15	AC
892	Columbia Delivered	7,100	7,100	\$12.6150	Purchase for Resale	6-Mar-15	6-Mar-15	AC
893	Texas Eastern M3	29,252	29,252	\$3.3865	Sendout	6-Mar-15	6-Mar-15	AC
894	Transco Zone 6 NonNY	1,000	1,000	\$3.3865	Sendout	6-Mar-15	6-Mar-15	AC
895	ANR SE Headstation	10,192	10,192	\$3.0500	Storage	6-Mar-15	6-Mar-15	AC
896	Texas Eastern M2	90,000	30,000	\$2.3225	Sendout	7-Mar-15	9-Mar-15	AC
897	Texas Eastern M2	30,000	10,000	\$2.3175	Sendout	7-Mar-15	9-Mar-15	AC
898	Columbia A06 Pool	20,076	6,692	\$2.7250	Sendout	7-Mar-15	9-Mar-15	AC
899	Texas Eastern M2	30,000	10,000	\$2.3225	Sendout	7-Mar-15	9-Mar-15	AC
900	Texas Eastern M2	26,637	8,879	\$2.3175	Sendout	7-Mar-15	9-Mar-15	AC
901	Columbia Delivered	8,271	2,757	\$2.9050	Purchase for Resale	7-Mar-15	9-Mar-15	AC
902	Columbia Delivered	10,229	10,229	\$2.9050	Purchase for Resale	7-Mar-15	7-Mar-15	AC
903	Columbia A06 Pool	6,692	6,692	\$2.4150	Sendout	10-Mar-15	10-Mar-15	AC
904	Texas Eastern M2	50,000	50,000	\$1.4750	Sendout	10-Mar-15	10-Mar-15	AC
905	Texas Eastern M2	8,879	8,879	\$1.4750	Sendout	10-Mar-15	10-Mar-15	AC
906	Columbia Delivered	2,757	2,757	\$1.7600	Purchase for Resale	10-Mar-15	10-Mar-15	AC
907	Columbia A06 Pool	6,692	6,692	\$2.4200	Sendout	11-Mar-15	11-Mar-15	AC
908	Texas Eastern M2	31,136	31,136	\$1.3600	Sendout	11-Mar-15	11-Mar-15	AC
909	Columbia Delivered	2,757	2,757	\$1.5650	Purchase for Resale	11-Mar-15	11-Mar-15	AC
910	Columbia A06 Pool	6,692	6,692	\$2.4600	Sendout	12-Mar-15	12-Mar-15	AC
911	Texas Eastern M2	50,000	50,000	\$1.6325	Sendout	12-Mar-15	12-Mar-15	AC
912	Texas Eastern M2	8,879	8,879	\$1.6300	Sendout	12-Mar-15	12-Mar-15	AC
913	Columbia Delivered	2,757	2,757	\$1.8350	Purchase for Resale	12-Mar-15	12-Mar-15	AC
914	Texas Eastern M2	41,515	41,515	\$1.6475	Sendout	13-Mar-15	13-Mar-15	AC
915	Columbia A06 Pool	6,692	6,692	\$1.8000	Sendout	13-Mar-15	13-Mar-15	AC
916	Columbia Delivered	2,757	2,757	\$1.8050	Purchase for Resale	13-Mar-15	13-Mar-15	AC
917	Texas Eastern M2	89,574	29,858	\$1.5400	Sendout	14-Mar-15	16-Mar-15	AC
918	Columbia A06 Pool	20,076	6,692	\$1.7000	Sendout	14-Mar-15	16-Mar-15	AC
919	Texas Eastern M2	30,000	10,000	\$1.5400	Sendout	14-Mar-15	16-Mar-15	AC
920	Texas Eastern M2	35,682	11,894	\$1.5350	Sendout	14-Mar-15	16-Mar-15	AC
921	Columbia Delivered	8,271	2,757	\$1.6350	Purchase for Resale	14-Mar-15	16-Mar-15	AC
922	Columbia Tco Pool	6,692	6,692	\$2.5200	Sendout	17-Mar-15	17-Mar-15	AC
923	Texas Eastern M2	50,000	50,000	\$1.8575	Sendout	17-Mar-15	17-Mar-15	AC
924	Texas Eastern M2	8,879	8,879	\$1.8575	Sendout	17-Mar-15	17-Mar-15	AC
925	Columbia Delivered	2,757	2,757	\$2.0100	Purchase for Resale	17-Mar-15	17-Mar-15	AC
926	Texas Eastern M2	30,000	30,000	\$1.3550	Sendout	18-Mar-15	18-Mar-15	AC
927	Columbia A06 Pool	6,692	6,692	\$2.4750	Sendout	18-Mar-15	18-Mar-15	AC
928	Texas Eastern M2	28,879	28,879	\$2.3450	Sendout	18-Mar-15	18-Mar-15	AC
929	Columbia Delivered	2,757	2,757	\$2.5300	Purchase for Resale	18-Mar-15	18-Mar-15	AC
930	Texas Eastern M2	21,754	21,754	\$2.1975	Sendout	19-Mar-15	19-Mar-15	AC
931	Columbia A06 Pool	6,692	6,692	\$2.5050	Sendout	19-Mar-15	19-Mar-15	AC
932	Texas Eastern M2	37,125	37,125	\$2.1950	Sendout	19-Mar-15	19-Mar-15	AC
933	Columbia Delivered	2,757	2,757	\$2.3350	Purchase for Resale	19-Mar-15	19-Mar-15	AC
934	Texas Eastern M2	8,879	8,879	\$2.1200	Sendout	20-Mar-15	20-Mar-15	AC
935	Columbia A06 Pool	6,692	6,692	\$2.5900	Sendout	20-Mar-15	20-Mar-15	AC
936	Texas Eastern M2	50,000	50,000	\$2.1250	Sendout	20-Mar-15	20-Mar-15	AC



Row	Purchase Point	Total Rcpt Qty (dth)	Daily Rcpt Qty (dth)	Price/dth	Deal Type	Start Date	End Date	Status
937	Columbia Delivered	2,757	2,757	\$2.3250	Purchase for Resale	20-Mar-15	20-Mar-15	AC
938	Texas Eastern M2	19,742	6,581	\$2.2350	Sendout	21-Mar-15	23-Mar-15	AC
939	Columbia A06 Pool	9,000	3,000	\$2.6250	Sendout	21-Mar-15	23-Mar-15	AC
940	Texas Eastern M2	111,167	37,056	\$2.2300	Sendout	21-Mar-15	23-Mar-15	AC
941	Columbia Tco Pool	11,076	3,692	\$2.7225	Sendout	21-Mar-15	23-Mar-15	AC
942	Columbia Delivered	8,271	2,757	\$2.4800	Purchase for Resale	21-Mar-15	23-Mar-15	AC
943	Texas Eastern M3	103,500	34,500	\$3.0319	Sendout	21-Mar-15	23-Mar-15	AC
944	Texas Eastern M3	60,000	20,000	\$3.0319	Sendout	21-Mar-15	23-Mar-15	AC
945	Columbia Delivered	60,000	20,000	\$3.0319	Sendout	21-Mar-15	23-Mar-15	AC
946	Columbia A06 Pool	1,000	1,000	\$2.5150	Sendout	24-Mar-15	24-Mar-15	AC
947	Texas Eastern M2	10,000	10,000	\$2.2800	Sendout	24-Mar-15	24-Mar-15	AC
948	Texas Eastern M2	48,879	48,879	\$2.2800	Sendout	24-Mar-15	24-Mar-15	AC
949	Columbia Tco Pool	5,692	5,692	\$2.6125	Sendout	24-Mar-15	24-Mar-15	AC
950	Columbia Delivered	2,757	2,757	\$2.5350	Purchase for Resale	24-Mar-15	24-Mar-15	AC
951	Columbia Delivered	34,500	34,500	\$2.8837	Sendout	24-Mar-15	24-Mar-15	AC
952	Columbia Delivered	5,500	5,500	\$2.8837	Sendout	24-Mar-15	24-Mar-15	AC
953	Texas Eastern M3	24,836	24,836	\$2.8837	Sendout	24-Mar-15	24-Mar-15	AC
954	Columbia A06 Pool	6,692	6,692	\$2.3850	Sendout	25-Mar-15	25-Mar-15	AC
955	Texas Eastern M2	8,879	8,879	\$1.7550	Sendout	25-Mar-15	25-Mar-15	AC
956	Texas Eastern M2	50,000	50,000	\$1.7550	Sendout	25-Mar-15	25-Mar-15	AC
957	Texas Eastern M3	14,920	14,920	\$2.0000	Purchase for Resale	25-Mar-15	25-Mar-15	AC
958	Columbia Delivered	2,757	2,757	\$2.0000	Purchase for Resale	25-Mar-15	25-Mar-15	AC
959	Texas Eastern M3	18,000	18,000	\$1.7150	Purchase for Resale	26-Mar-15	26-Mar-15	AC
960	Columbia Delivered	2,757	2,757	\$1.7150	Purchase for Resale	26-Mar-15	26-Mar-15	AC
961	Texas Eastern M2	20,758	20,758	\$2.0975	Sendout	27-Mar-15	27-Mar-15	AC
962	Columbia Delivered	2,757	2,757	\$2.3400	Purchase for Resale	27-Mar-15	27-Mar-15	AC
963	Texas Eastern M3	18,435	18,435	\$2.3400	Purchase for Resale	27-Mar-15	27-Mar-15	AC
964	Texas Eastern M2	56,637	18,879	\$2.0525	Sendout	28-Mar-15	30-Mar-15	AC
965	Texas Eastern M2	30,000	10,000	\$2.0525	Sendout	28-Mar-15	30-Mar-15	AC
966	Texas Eastern M2	90,000	30,000	\$2.0525	Sendout	28-Mar-15	30-Mar-15	AC
967	Texas Eastern M3	55,305	18,435	\$2.2450	Purchase for Resale/Sendout	28-Mar-15	30-Mar-15	AC
968	Columbia Delivered	15,603	5,201	\$2.2450	Purchase for Resale	28-Mar-15	30-Mar-15	AC
969	Texas Eastern M2	8,879	8,879	\$2.0375	Sendout	31-Mar-15	31-Mar-15	AC
970	Texas Eastern M2	10,000	10,000	\$2.0400	Sendout	31-Mar-15	31-Mar-15	AC
971	Texas Eastern M2	40,000	40,000	\$2.0400	Sendout	31-Mar-15	31-Mar-15	AC
972	Texas Eastern M3	18,435	18,435	\$2.3500	Purchase for Resale	31-Mar-15	31-Mar-15	AC
973	Columbia Delivered	2,757	2,757	\$2.3500	Purchase for Resale	31-Mar-15	31-Mar-15	AC
974	Texas Eastern M2	620,000	20,000	\$2.8940	Sendout	1-Mar-15	31-Mar-15	RJ
975	Columbia A06 Pool	316,076	10,196	\$2.3440	Sendout	1-Mar-15	31-Mar-15	RJ
976	Texas Eastern M2	620,000	20,000	\$2.8840	Sendout	1-Mar-15	31-Mar-15	RJ
977	Columbia A06 Pool	316,076	10,196	\$2.5940	Sendout	1-Mar-15	31-Mar-15	RJ

Row	Month	Delivering Pipeline	Receipt Point	Delivery Point	Transaction Type	Delivered Quantity(dth)	Transp Comm. Cost (\$/dth)
1	Apr-14	Columbia	A06 Pool	Columbia Delivered	Send out	226,919	\$0.0166
2	Apr-14	Columbia	Tco Leach	Columbia Delivered	Send out	415,010	\$0.0166
3	Apr-14	TETCO	Zone M2	Zone M3	Send out	647,567	\$0.0479
4	Apr-14	TETCO	Zone M3	Zone M3	Send out	295,600	\$0.0269
5	Apr-14	TETCO	Zone M2	Zone M3	Send out	40,735	\$0.0333
6	Apr-14	TETCO	Zone M2	Zone M3	Send out	120,000	\$0.0012
7	Apr-14	TETCO	Zone M3	Zone M3	Send out	230,107	\$0.0098
8	Apr-14	Transco	Zone 6 Receipt	Zone 6 NonNY	Send out	493,620	\$0.0068
9	Apr-14	UGI CPG	Zone M3	UGI	Send out	26,882	\$0.0500
10	May-14	Columbia	A06 Pool	Columbia Delivered	Send out	78,095	\$0.0166
11	May-14	Columbia	A06 Pool	Columbia Delivered	OSS	5,000	\$0.0166
12	May-14	Columbia	Tco Leach	Columbia Delivered	Send out	479,780	\$0.0166
13	May-14	TETCO	Zone M2	Zone M3	Send out	131,251	\$0.0269
14	May-14	TETCO	Zone M3	Zone M3	Send out	50,855	\$0.0269
15	May-14	TETCO	Zone M2	Zone M3	Send out	20,000	\$0.0479
16	May-14	TETCO	Zone M2	Zone M3	Send out	124,000	\$0.0012
17	May-14	TETCO	Zone M2	Zone M3	Send out	409,496	\$0.0098
18	May-14	Transco	Zone 6 NonNY	Zone 6 NonNY	Send out	640	\$0.0068
19	May-14	Transco	Zone 6 Receipt	Zone 6 NonNY	Send out	513,205	\$0.0068
20	May-14	UGI CPG	Zone M3	UGI	Send out	13,787	\$0.0500
21	Jun-14	Columbia	A06 Pool	Columbia Delivered	OSS	30,000	\$0.0166
22	Jun-14	Columbia	A06 Pool	Columbia Delivered	Send out	1,000	\$0.0166
23	Jun-14	Columbia	Tco Leach	Columbia Delivered	Send out	536,000	\$0.0166
24	Jun-14	TETCO	Zone M2	Zone M3	Send out	75,807	\$0.0269
25	Jun-14	TETCO	Zone M2	Zone M3	Send out	120,000	\$0.0012
26	Jun-14	TETCO	Zone M2	Zone M3	Send out	470,669	\$0.0098
27	Jun-14	Transco	Zone 6 Receipt	Zone 6 NonNY	Send out	498,990	\$0.0068
28	Jun-14	UGI CPG	Zone M3	UGI	Send out	11,146	\$0.0500
29	Jul-14	ANR Pipeline	SE Headstation	Egan	Storage	20,100	\$0.0137
30	Jul-14	Columbia	A06 Pool	Columbia Delivered	OSS	10,000	\$0.0166
31	Jul-14	Columbia	Tco Leach	Columbia Delivered	Send out	391,716	\$0.0166
32	Jul-14	Columbia	A06 Pool	Columbia Delivered	Send out	1	\$0.0166
33	Jul-14	Columbia Gulf	Mainline Pool	Egan	Storage	8,037	\$0.0121
34	Jul-14	TETCO	Zone M3	Zone M3	Send out	364,270	\$0.0269
35	Jul-14	TETCO	Zone WLA	Egan	Storage	98	\$0.0142
36	Jul-14	TETCO	Zone M2	Zone M3	Send out	124,000	\$0.0012
37	Jul-14	TETCO	Zone M3	Zone M3	Send out	354,439	\$0.0098
38	Jul-14	Transco	Zone 6 Receipt	Zone 6 NonNY	Send out	508,171	\$0.0068
39	Jul-14	UGI CPG	Zone M3	UGI	Send out	9,579	\$0.0500
40	Aug-14	Columbia	A06 Pool	Columbia Delivered	OSS	43,400	\$0.0166
41	Aug-14	Columbia	Tco Leach	Columbia Delivered	Send out	739,390	\$0.0166
42	Aug-14	Columbia Gulf	Mainline Pool	Egan	Storage	1,134	\$0.0121
43	Aug-14	TETCO	Zone M3	Zone M3	Send out	403,692	\$0.0279
44	Aug-14	TETCO	Zone M2	Zone M3	Send out	124,000	\$0.0012
45	Aug-14	TETCO	Zone M3	Zone M3	Send out	648,767	\$0.0108
46	Aug-14	Transco	Zone 6 Receipt	Zone 6 NonNY	Send out	337,686	\$0.0068
47	Aug-14	UGI CPG	Zone M3	UGI	Send out	12,804	\$0.0500
48	Sep-14	ANR Pipeline	SE Headstation	Egan	Storage	5,000	\$0.0137
49	Sep-14	Columbia	A06 Pool	Columbia Delivered	OSS	236,074	\$0.0166
50	Sep-14	Columbia	Tco Leach	Columbia Delivered	Send out	357,000	\$0.0166
51	Sep-14	Columbia	A06 Pool	Columbia Delivered	Send out	1	\$0.0166
52	Sep-14	Columbia Gulf	Mainline Pool	Egan	Storage	7,938	\$0.0121
53	Sep-14	TETCO	Zone M3	Zone M3	Send out	149,717	\$0.0279

Row	Month	Delivering Pipeline	Receipt Point	Delivery Point	Transaction Type	Delivered Quantity(dth)	Transp Comm. Cost (\$/dth)
54	Sep-14	TETCO	Zone M2	Zone M3	Send out	120,000	\$0.0012
55	Sep-14	TETCO	Zone M2	Zone M3	Send out	30,000	\$0.0505
56	Sep-14	TETCO	Zone M3	Zone M3	Send out	362,509	\$0.0108
57	Sep-14	Transco	Zone 6 Receipt	Zone 6 NonNY	Send out	392,355	\$0.0068
58	Sep-14	UGI CPG	Zone M3	UGI	Send out	11,923	\$0.0500
59	Oct-14	ANR Pipeline	SE Headstation	Egan	Injection	35,000	\$0.0139
60	Oct-14	Columbia	A06 Pool	Columbia Delivered	OSS	121,672	\$0.0168
61	Oct-14	Columbia	Tco Leach	Columbia Delivered	Send out	446,563	\$0.0168
62	Oct-14	Columbia Gulf	Mainline Pool	Egan	Injection	7,938	\$0.0123
63	Oct-14	TETCO	Zone M3	Zone M3	Send out	148,396	\$0.0281
64	Oct-14	TETCO	Zone M2	Zone M3	Send out	124,000	\$0.0014
65	Oct-14	TETCO	Zone M3	Zone M3	Send out	415,611	\$0.0110
66	Oct-14	Transco	Zone 6 Receipt	Zone 6 NonNY	Send out	483,014	\$0.0070
67	Oct-14	UGI CPG	Zone M3	UGI	Send out	19,756	\$0.0500
68	Nov-14	ANR Pipeline	SW Headstation	Lebanon Hub	Send out	258,000	\$0.0202
69	Nov-14	Columbia	A06 Pool	Columbia Delivered	OSS	90,400	\$0.0168
70	Nov-14	Columbia	A06 Pool	Columbia Delivered	Send out	349,120	\$0.0168
71	Nov-14	Columbia	Tco Pool	Columbia Delivered	Send out	212,246	\$0.0168
72	Nov-14	Columbia	Tco Leach	Columbia Delivered	Send out	938,195	\$0.0168
73	Nov-14	TETCO	Zone M2	Zone M3	Send out	1,766,612	\$0.0507
74	Nov-14	TETCO	Zone M2	Zone M3	Send out	128,338	\$0.0351
75	Nov-14	TETCO	Zone M3	Zone M3	Send out	223,058	\$0.0281
76	Nov-14	TETCO	Zone M2	Zone M3	Send out	119,983	\$0.0014
77	Nov-14	TETCO	Zone M3	Zone M3	Send out	450,735	\$0.0110
78	Nov-14	Transco	Zone 6 Receipt	Zone 6 NonNY	Send out	495,930	\$0.0070
79	Nov-14	UGI CPG	Zone M3	UGI	Send out	36,459	\$0.0500
80	Dec-14	ANR Pipeline	SW Headstation	Lebanon Hub	Send out	266,600	\$0.0202
81	Dec-14	Columbia	A06 Pool	Columbia Delivered	OSS	164,360	\$0.0168
82	Dec-14	Columbia	A06 Pool	Columbia Delivered	Send out	221,215	\$0.0168
83	Dec-14	Columbia	Tco Leach	Columbia Delivered	Send out	1,212,825	\$0.0168
84	Dec-14	Columbia	Tco Leach	Columbia Delivered	OSS	73,259	\$0.0168
85	Dec-14	TETCO	Zone M2	Zone M3	Send out	1,447,098	\$0.0562
86	Dec-14	TETCO	Zone M3	Zone M3	Send out	435,328	\$0.0325
87	Dec-14	TETCO	Zone M2	Zone M3	OSS	7,005	\$0.0562
88	Dec-14	TETCO	Zone M2	Zone M3	Send out	124,000	\$0.0014
89	Dec-14	TETCO	Zone M3	Zone M3	Send out	620,592	\$0.0110
90	Dec-14	Transco	Zone 6 Receipt	Zone 6 NonNY	Send out	510,105	\$0.0070
91	Dec-14	UGI CPG	Zone M3	UGI	Send out	41,440	\$0.0500
92	Jan-15	ANR Pipeline	SW Headstation	Lebanon Hub	Send out	266,146	\$0.0202
93	Jan-15	Columbia	A06 Pool	Columbia Delivered	Send out	667,752	\$0.0168
94	Jan-15	Columbia	A06 Pool	Columbia Delivered	OSS	106,999	\$0.0168
95	Jan-15	Columbia	Tco Pool	Columbia Delivered	Send out	21,521	\$0.0168
96	Jan-15	Columbia	Tco Pool	Columbia Delivered	OSS	7,885	\$0.0168
97	Jan-15	Columbia	Tco Leach	Columbia Delivered	Send out	768,025	\$0.0168
98	Jan-15	Columbia	Tco Leach	Columbia Delivered	OSS	41,756	\$0.0168
99	Jan-15	TETCO	Zone M2	Zone M3	Send out	2,073,692	\$0.0562
100	Jan-15	TETCO	Zone M3	Zone M3	Send out	452,694	\$0.0325
101	Jan-15	TETCO	Zone M3	Zone M3	OSS	470,934	\$0.0325
102	Jan-15	TETCO	Zone M2	Zone M3	Send out	25,594	\$0.0300
103	Jan-15	TETCO	Zone M2	Zone M3	OSS	298,156	\$0.0562
104	Jan-15	TETCO	Zone M2	Zone M3	Send out	119,255	\$0.0014
105	Jan-15	TETCO	Zone M2	Zone M3	OSS	3,900	\$0.0014
106	Jan-15	TETCO	Zone M3	Zone M3	OSS	2,000	\$0.0014

Row	Month	Delivering Pipeline	Receipt Point	Delivery Point	Transaction Type	Delivered Quantity(dth)	Transp Comm. Cost (\$/dth)
107	Jan-15	TETCO	Zone M3	Zone M3	Send out	472,801	\$0.0110
108	Jan-15	Transco	Zone 4	Zone 6 NonNY	OSS	175,707	\$0.0267
109	Jan-15	Transco	Zone 4	Zone 6 NonNY	Send out	81	\$0.0138
110	Jan-15	Transco	Zone 4	Zone 6 NonNY	Send out	82	\$0.0281
111	Jan-15	Transco	Zone 6 Receipt	Zone 6 NonNY	Send out	507,315	\$0.0070
112	Jan-15	UGI CPG	Zone M3	UGI	Send out	57,452	\$0.0500
113	Feb-15	ANR Pipeline	SW Headstation	Lebanon Hub	Send out	237,933	\$0.0202
114	Feb-15	Columbia	A06 Pool	Columbia Delivered	Send out	521,377	\$0.0168
115	Feb-15	Columbia	Tco Pool	Columbia Delivered	Send out	162,739	\$0.0168
116	Feb-15	Columbia	A06 Pool	Columbia Delivered	OSS	60,810	\$0.0168
117	Feb-15	Columbia	Tco Leach	Columbia Delivered	Send out	498,155	\$0.0168
118	Feb-15	Columbia	Tco Leach	Columbia Delivered	OSS	2,000	\$0.0168
119	Feb-15	TETCO	Zone M2	Zone M3	Send out	26,000	\$0.2026
120	Feb-15	TETCO	Zone M3	Zone M3	Send out	93,000	\$0.2026
121	Feb-15	TETCO	Zone M3	Zone M3	OSS	13,000	\$0.2026
122	Feb-15	TETCO	Zone M2	Zone M3	Send out	1,875,248	\$0.0740
123	Feb-15	TETCO	Zone M2	Zone M3	Send out	17,011	\$0.0405
124	Feb-15	TETCO	Zone M2	Zone M3	OSS	768,786	\$0.0740
125	Feb-15	TETCO	Zone M3	Zone M3	Send out	153,090	\$0.0397
126	Feb-15	TETCO	Zone WLA	Zone M3	Send out	69,271	\$0.1123
127	Feb-15	TETCO	Zone M3	Zone M3	OSS	55,035	\$0.0397
128	Feb-15	TETCO	Zone STX	Zone M3	Send out	6,495	\$0.1175
129	Feb-15	TETCO	Zone M2	Zone M3	Send out	106,000	\$0.0014
130	Feb-15	TETCO	Zone M2	Zone M3	OSS	6,000	\$0.0014
131	Feb-15	TETCO	Zone M3	Zone M3	Send out	172,000	\$0.0182
132	Feb-15	TETCO	Zone M3	Zone M3	Send out	109,000	\$0.1853
133	Feb-15	Transco	Zone 4	Zone 6 NonNY	OSS	186,978	\$0.0267
134	Feb-15	Transco	Zone 4	Zone 6 NonNY	OSS	25,497	\$0.0281
135	Feb-15	Transco	Zone 6 Receipt	Zone 6 NonNY	Send out	457,072	\$0.0070
136	Feb-15	UGI CPG	Zone M3	UGI	Send out	54,261	\$0.0500
137	Mar-15	ANR Pipeline	SW Headstation	Lebanon Hub	Send out	265,718	\$0.0202
138	Mar-15	Columbia	A06 Pool	Columbia Delivered	Send out	345,570	\$0.0168
139	Mar-15	Columbia	A06 Pool	Columbia Delivered	OSS	105,546	\$0.0168
140	Mar-15	Columbia	Tco Leach	Columbia Delivered	Send out	1,076,010	\$0.0168
141	Mar-15	Columbia	Tco Leach	Columbia Delivered	OSS	81,582	\$0.0168
142	Mar-15	Columbia	Tco Pool	Columbia Delivered	Send out	23,010	\$0.0168
143	Mar-15	TETCO	Zone M3	Zone M3	Send out	394,000	\$0.2026
144	Mar-15	TETCO	Zone M2	Zone M3	Send out	1,487,673	\$0.0740
145	Mar-15	TETCO	Zone M3	Zone M2	Send out	17,766	\$0.0405
146	Mar-15	TETCO	Zone M2	Zone M3	OSS	637,276	\$0.0740
147	Mar-15	TETCO	Zone M3	Zone M3	OSS	16,471	\$0.0397
148	Mar-15	TETCO	Zone M3	Zone M3	Send out	153,534	\$0.0397
149	Mar-15	TETCO	Zone M2	Zone M3	Send out	123,547	\$0.0014
150	Mar-15	TETCO	Zone M2	Zone M2	Send out	1,038	\$0.0014
151	Mar-15	TETCO	Zone M3	Zone M3	Send out	536,000	\$0.0182
152	Mar-15	Transco	Zone 6 Receipt	Zone 6 NonNY	Send out	504,060	\$0.0070
153	Mar-15	Transco	Zone 6 NonNY	Zone 6 NonNY	Send out	21,329	\$0.1375
154	Mar-15	UGI CPG	Zone M3	UGI	Send out	53,461	\$0.0500

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SECTION 2-B [52 Pa. Code §53.64(c)(3)] OTHER SOURCES OF GAS SUPPLY

A similar listing of gas sources, transportation or storage and associated projected costs offered or considered but not chosen to meet supply for the next 20 months, along with reasons for nonselection.

RESPONSE:

UGI considers all practical sources of gas in the supply portfolio. The identification of supplies to be procured in the projected period is based on load duration analysis and the SENDOUT® Gas Purchase Optimization Model. The load duration analysis is a tool used to help define the design peak day and seasonal contract requirements. This information is critical in developing the proper mix of baseload supplies (FT or delivered supply), seasonal supplies (storage), and peaking supplies.

SENDOUT® is a specialized computer program designed by Ventyx Corporation for the natural gas industry. SENDOUT® utilizes a linear programming (LP) model, which optimizes a utility's purchasing alternatives for least cost. Local gas distribution companies and energy marketers use this program to model their gas transportation and storage portfolio. For UGI, this encompasses UGI's transportation, direct deliveries, storage and peaking assets. SENDOUT® is a risk management tool that optimizes the use of UGI's physical and contractual assets to serve the system demand and achieve a least cost supply mix. To determine the minimum cost of natural gas, hundreds of variables are taken into account, each of which can be categorized either as a physical limitation or a contractual constraint. The results are viewed via a custom built spreadsheet, which includes checks and balances to verify that the solution resides within an acceptable range. The

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optimal solution provides the strategic plan of when and where to make supply purchases.

UGI continues to evaluate new purchase contracts for firm supplies in an effort to meet its least cost procurement obligation of providing reliable service and price stability. Existing firm supply arrangements will be renegotiated monthly, seasonally and annually, and evaluated based on changing market conditions. UGI continually evaluates viable supply and transportation alternatives in order to lower gas costs, diversify the supply base, meet changing requirements, maintain reliability and decrease price volatility.

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SECTION 3 [52 Pa. Code §53.64(c)(4)] FERC PROCEEDINGS

Provide an annotated listing of Federal Energy Regulatory Commission or other relevant non-Commission proceedings, including legal action necessary to relieve the utility from existing contract terms which are or may be adverse to the interests of its ratepayers, which affect the cost of the utility's gas supply transportation or storage or which might have an impact on the utility's efforts to provide its customers with reasonable gas service at the lowest price possible. This list shall include docket numbers and shall summarize what has transpired in the cases, and the degree of participation, if any, which the utility has had in the cases. The initial list filed under this paragraph shall include cases for the past 3 years. Subsequent lists need only update prior lists and add new cases.

RESPONSE:

UGI transports gas on: Columbia; Columbia Gulf; Transco; Texas Eastern; Tennessee and ANR. UGI contracts for storage service with ANR, Columbia, Transco, Dominion, and Egan Hub.

Since the FERC has jurisdiction over the pipeline transportation and storage services included in UGI's supply portfolio, UGI is an active local distribution company before the FERC in all relevant pipeline regulatory proceedings.

UGI actively monitors many different FERC proceedings or initiatives either individually or through the American Gas Association. UGI will intervene in, file comments regarding, protest, or otherwise participate in specific pipeline proceedings or FERC initiatives as necessary. This activity is designed to minimize the purchased gas cost and/or improve the level or quality of service provided to UGI by its interstate pipeline suppliers.

Shown below is a listing of FERC proceedings over the past year in which UGI participated.

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Docket Number	Description	Date
CP15-118-000	Transcontinental Gas Pipe Line Company, LLC submits supplemental information regarding the Virginia Southside Expansion Project II	3/27/2015
CP15-117-000	Transcontinental Gas Pipe Line Company, LLC submits a 7(c) application authorizing the Dalton Expansion Project	3/27/2015
RP15-656-000	Transcontinental Gas Pipe Line Company, LLC submits tariff filing per 154.403: LSS and SS-2 Fuel Tracker Filing 2015 to be effective 4/1/2015	3/19/2015
CP15-95-000	Columbia Gas Transmission, LLC submits Application to replace certain bare steel pipe in Pennsylvania as part of its modernization program.	3/11/2015
CP15-87-000	Columbia Gas Transmission, LLC submits Application to Construct new 24-inch pipeline	3/11/2015
CP15-89-000	Transcontinental Gas Pipe Line Company, LLC submits a Section 7(c) certificate application for its Garden State Expansion Project	3/6/2015
RP15-574-000	Tennessee Gas Pipeline Company, L.L.C. submits tariff filing per 154.204: Fuel Tracker 2015 to be effective 4/1/2015	3/2/2015
RP15-557-000	Columbia Gulf Transmission, LLC submits tariff filing per 154.204: TRA 2015 to be effective 4/1/2015	3/2/2015
RP15-554-000	Columbia Gas Transmission, LLC submits tariff filing per 154.403(d)(2): TCRA 2015 to be effective 4/1/2015	3/2/2015
RP15-553-000	Gas Transmission, LLC submits tariff filing per 154.403: EPCA 2015 to be effective 4/1/2015	3/2/2015
RP15-518-000	Transcontinental Gas Pipe Line Company, LLC submits tariff filing per 154.403: Annual Electric Power Tracker Filing effective April 1, 2015 to be effective 4/1/2015	2/26/2015
RP15-498-000	Transcontinental Gas Pipe Line Company, LLC submits tariff filing per 154.403(d)(2): 2015 Annual Fuel Tracker to be effective 4/1/2015	2/25/2015
CP15-88-000	Tennessee Gas Pipeline Company, L.L.C. submits tariff filing for Authorization to Abandon Certain Mainline Facilities	2/25/2015
RP15-460-000	Texas Eastern Transmission, LP submits tariff filing per 154.203: TETLP Mainline-Lateral Fuel	2/19/2015
RP15-296-000	Columbia Gas Transmission, LLC submits its Penalty Revenue Crediting Report of under RP15-296	12/30/2014
RP15-294-000	Texas Eastern Transmission, LP submits tariff filing EPC FEB 2015 FILING to be effective 2/1/2015	12/30/2014
RP15-286-000	Columbia Gulf Transmission, LLC submits its Penalty Revenue Crediting Report	12/30/2014
RP15-284-000	Columbia Gas Transmission, LLC submits tariff filing Environmental Filing 2014 to be effective 2/1/2015	12/30/2014



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RP15-285-000	Columbia Gas Transmission, LLC submits its Penalty Revenue Crediting Report	12/29/2014
CP13-551-000	Transcontinental Gas Pipe Line Company, LLC - Order issuing Certificate and Approving the Leidy Southeast Project	12/18/2014
RP15-210-000	Tennessee Gas Pipeline Company, L.L.C. submits tariff filing Cashout Report and Refund Plan 2013-2014	12/4/2014
CP14-68-000	Texas Eastern Transmission, LP submits an application for a certificate of public convenience and necessity for its Ohio Pipeline Energy Network Project	12/2/2014
CP15-12-000	Columbia Gas Transmission, LLC -Blanket Prior Notice Application to abandon and construct request to abandon, modify and uprate the Broad Run Connector Project	11/11/2014
CP15-11-000	Columbia Gas Transmission, LLC request Blanket Prior Notice Application to abandon and construct certain natural gas facilities of to replace coated steel pipeline and facilities located in York and Adams County PA	11/11/2014
RP15-95-000	Transcontinental Gas Pipe Line Company, LLC submits tariff filing GSS LSS Tracker Filing to be effective 11/1/2014	11/3/2014
RP15-130-000	Tennessee Gas Pipeline Company, L.L.C. submits tariff filing Pro Forma - LMS-MA and LMS-PA Cash Out Indices to be effective 12/31/9998	11/3/2014
RP15-110-000	Columbia Gas Transmission, LLC submits tariff filing OTRA Tariff Update to be effective 12/1/2014	11/3/2014
RP15-109-000	Columbia Gulf Transmission, LLC submits tariff filing Penalty Crediting Mechanism Revisions to be effective 12/1/2014	11/3/2014
RP15-108-000	Columbia Gas Transmission, LLC submits tariff filing Penalty Crediting Mechanism Revisions to be effective 12/1/2014	11/3/2014
RP15-122-000	Texas Eastern Transmission, LP submits ASA tariff filing to be effective 12/1/2014	10/31/2014
RP15-112-000	Columbia Gas Transmission, LLC submits tariff filing OTRA - Winter 2014 to be effective 12/1/2014	10/31/2014
RP15-74-000	Texas Eastern Transmission, LP submits PCB tariff filing to be effective 12/1/2014	10/28/2014
RP15-60-000	Transcontinental Gas Pipe Line Company, LLC submits tariff filing 2014 Penalty Sharing Report	10/27/2014
RP15-18-000	Transcontinental Gas Pipe Line Company, LLC submits tariff filing DPE Provisions Filing	10/2/2014
RP15-6-000	Columbia Gas Transmission, LLC submits tariff filing Section 19 Revision - Penalties to be effective 11/1/2014	10/1/2014
RP14-1306-000	Tennessee Gas Pipeline Company, L.L.C. submits tariff filing Pipeline Safety and Greenhouse Gas Cost Adjustment to be effective 11/1/2014	10/1/2014
RP14-1300-000	Dominion Transmission, Inc. submits tariff filing DTI - 2014 Annual TCRA to be effective 11/1/2014	9/30/2014

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RP14-1299-000	Dominion Transmission, Inc. submits tariff filing - 2014 Annual EPCA to be effective 11/1/2014	9/30/2014
RP14-1277-000	Transcontinental Gas Pipe Line Company, LLC submits tariff filing per LNG Fuel Tracker Filing 2014 to be effective 11/1/2014	9/29/2014
CP14-17-000	Columbia Gas Transmission, LLC submits an application for a certificate of public convenience and necessity or East Side Expansion Project	9/29/2014
RP14-1274-000	Transcontinental Gas Pipe Line Company, LLC submits tariff filing : Annual Cash-Out Report Period Ending July 31, 2014	9/25/2014
CP14-510-000	Dominion Transmission, Inc. submits an application for a certificate of public convenience and necessity to replace approximately 6.1 MMDt of leased base gas in its North Summit Storage Pool and to amend the current lease of base gas	9/23/2014
RP14-1221-000	Texas Eastern Transmission, LP submits Operational Entitlements tariff filing on 8/29/2014	9/9/2014
RP14-1240-000	Columbia Gulf Transmission, LLC submits its FTS-2 Out of Path Refund Report	9/2/2014
RP14-1223-000	Columbia Gulf Transmission, LLC's submits its Annual Cash-Out Report	9/2/2014
RP14-1210-000	Transcontinental Gas Pipe Line Company, LLC submits tariff filing GSS LSS SS-2 S-2 2014 TGPL ACA Tracker Filing to be effective 10/1/2014	8/28/2014
RP14-1205-000	Texas Eastern Transmission, LP submits tariff filing Rate Schedules FTS-7 and FTS-8 Section 10 Cleanup to be effective 10/1/2014	8/28/2014
RP14-1193-000	Columbia Gas Transmission, LLC submits tariff filing Section 4 Revisions - Availability of Capacity for Firm Services to be effective 9/20/2014	8/25/2014
CP14-99-000	Columbia Gas Transmission, LLC submits an application for a certificate of public convenience and necessity to construct Line 1655 North	8/22/2014
RP14-1174-000	Transcontinental Gas Pipe Line Company, LLC submits tariff filing Report of Refund Transco's GSS LSS Customer Share of DTI Penalty Revenue 2014	8/7/2014
RP14-1139-000	Transcontinental Gas Pipe Line Company, LLC submits tariff filing to Remove X-269 References to be effective 8/1/2014	7/29/2014
RP14-1100-000	Texas Eastern Transmission, LP submits filing to modify various provisions of the Tariff accurately reflect current and anticipated system operations and bidirectional flow	7/22/2014
CP14-504-000	Transcontinental Gas Pipe Line Company, LLC submits an application for a certificate of public convenience and necessity for its Rock Springs Expansion Project	7/22/2014
RP14-1115-000	Dominion Transmission, Inc. submits tariff filing Volume 1 & 1B Administrative Changes to be effective 8/21/2014	7/21/2014
CP14-510-000	Dominion Transmission, Inc. place approximately 6.1 MMDt of leased base gas in its North Summit Storage Pool	7/10/2014
RP14-1082-000	Dominion Transmission, Inc. submits tariff filing Overrun and Penalty Revenue Distribution	7/1/2014

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RP14-1069-000	Texas Eastern Transmission, LP submits tariff filing EPC AUG 2014 Filing to be effective 8/1/2014	6/30/2014
CP13-8-000	Columbia Pipeline Group Line submits an application for a certificate of public convenience and necessity for MB Extension Project to Extend Line MB	6/11/2014
RP14-939-000	Tennessee Gas Pipeline Company, L.L.C. submits tariff filing Scheduling Priority Provisions to be effective 6/17/2014	5/19/2014
RP14-850-000	Transcontinental Gas Pipe Line Company, LLC submits tariff filing Transco's GSS LSS Customers Share of DTI GSS Fuel Refund	5/9/2014
RP14-784-000	Texas Eastern Transmission, LP submits tariff filing TETLP Reverse Flow Filing to be effective 6/1/2014	5/7/2014
RP14-829-000	Tennessee Gas Pipeline Company, L.L.C. submits tariff filing Station 87 - Zone 1 Supply Area Pooling Area to be effective 6/1/2014	5/5/2014
RP14-833-000	Transcontinental Gas Pipe Line Company, LLC submits tariff filing Rate Adjustment for Eminence Insurance Proceeds to be effective 6/1/2014	5/1/2014
RP13-584	Columbia Gas Transmission, LLC submits tariff filing TCO Modernization Settlement Implementation to be effective 3/1/2013	5/1/2014
RP14-787-001	ANR Pipeline Company submits tariff filing Cashout 2014 to be effective 6/1/2014	4/29/2014
RP14-763-000	Transcontinental Gas Pipe Line Company, LLC submits tariff filing Annual Adjustment to Rate Schedule SS-2 Storage Gas Balances 2014 to be effective 5/1/2014	4/22/2014
RP12-993-004	Transcontinental Gas Pipe Line Company, LLC submits tariff filing per 154.501: Rate Case Settlement Refund Report	4/21/2014
RP14-46-001	Transcontinental Gas Pipe Line Company, LLC submits tariff filing Tariff Revision and Clarification Filing October 2013 to be effective 11/16/2013	4/15/2014
RP14-712-000	Columbia Gas Transmission, LLC submits tariff filing OTRA - Summer 2014 to be effective 5/1/2014	4/1/2014
RP14-650-000	ANR Pipeline Company submits tariff filing DTCA 2014 to be effective 5/1/2014	4/1/2014

The objective of UGI's FERC activity is to obtain transportation and storage services consistent with a least-cost purchase strategy by intervention and active participation in all cases having a material effect on gas cost, supply, transportation and storage services. This objective is accomplished by intervention and active participation in cases including, but

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not limited to, Natural Gas Act Section 4 Base Rate Proceedings and Certificate Proceedings for relevant pipelines, and generic FERC rulemakings or policy statements.

UGI's FERC activity is concentrated on matters involving the jurisdictional pipelines listed below along with the services for which UGI contracts or will contract during the 20-month projected period.

- |                   |   |
|-------------------|---|
| (1) Columbia      | UGI contracts for firm storage service under Rate FSS; and for firm transportation services under Rates FTS, NTS, and SST.                  |
| (2) Columbia Gulf | UGI contracts for firm transportation service under rate schedule FTS-1.  |
| (3) Transco       | UGI contracts for firm transportation services under Rates FT, and PS-FT and for firm storage services under Rates GSS, SS-2, and Eminence. |
| (4) Texas Eastern | UGI contracts for firm transportation service under Rates FT-1, CDS, FTS-5, FTS-7, and LLFT.  |
| (5) ANR           | UGI contracts for firm transportation service under Rate FTS-1; and for firm storage service under Rate FSS.                                |
| (6) Dominion      | UGI contracts for firm storage services under Rate GSS.   |
| (7) Tennessee     | UGI contracts for firm transportation service under Rate FT-A.  |
| (8) Egan Hub      | UGI contracts for firm storage service under Rate FSS.  |

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The degree to which UGI participates in FERC proceedings depends upon the nature of the case and the potential impact on UGI's ratepayers. UGI participation includes but is not limited to:

- communication and negotiation with pipelines;
- coordination with other customers with similar interests;
- interventions in the form of support, protests and comments;
- active role at settlement or prehearing conferences;
- presentation of testimony and cross examination of opposing witnesses;
- presentation of briefs, exceptions and appeals;
- communication with State regulatory bodies for assistance in FERC matters.

Any particular case in which UGI intervenes may require all or a combination of the above. Certain issues may require lengthy litigation; while for others, the settlement process is more economical and practical. UGI retains the law firm of Post & Schell as counsel on FERC matters.

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SECTION 4 [52 Pa. Code §53.64(c)(5)] SUPPLY/DEMAND PROJECTIONS

Provide a listing and updating, if necessary, of projections of gas supply and demand provided to the Commission for any purpose--see §59.67 (relating to formats). In addition, provide an accounting of the difference between reported gas supply available and gas supply deliverable--including storage--from the utility to its customers under various circumstances and time periods.

RESPONSE:

Attachment 4-1, presents data filed in UGI's 2015 IRP. The available gas supply, volume delivered and demand are in balance.

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**FORM-IRP-GAS-1A: ANNUAL GAS REQUIREMENTS**  
**REPORTING UTILITY: UGI UTILITIES, INC.**  
(volumes in MMcf)

Index Year Actual Year	Historical Data		Current Year	Three Year Forecast		
	-2 2013	-1 2014	0 2015	1 2016	2 2017	3 2018
<b>Firm Sales:</b>						
Retail Residential	20,335	21,914	21,012	21,901	22,431	23,032
Retail Commercial	7,663	8,907	8,281	8,603	8,962	9,465
Retail Industrial	598	630	436	410	391	376
Electric Power Generation	0	0	0	0	0	0
Exchange with Other Utilities	0	0	0	0	0	0
Unaccounted For	481	(23)	601	598	602	606
Company Use	148	159	166	166	166	166
Other	0	0	0	0	0	0
Subtotal Firm Sales	29,225	31,587	30,496	31,678	32,552	33,645
<b>Interruptible Sales:</b>						
Retail	8	9	0	0	0	0
Electric Power Generation	0	0	0	0	0	0
Company's Own Plant	0	0	0	0	0	0
Subtotal Interruptible Sales	8	9	0	0	0	0
<b>SUBTOTAL FIRM AND INTERRUPTIBLE SALES</b>	<b>29,233</b>	<b>31,597</b>	<b>30,496</b>	<b>31,678</b>	<b>32,552</b>	<b>33,645</b>
<b>Transportation:</b>						
Firm Residential	2,901	3,663	3,647	3,641	3,606	3,573
Firm Commercial	13,500	15,436	14,996	15,217	15,229	15,130
Firm Industrial	18,783	20,420	23,082	23,120	23,634	23,558
Interruptible Residential	0	0	0	0	0	0
Interruptible Commercial	3,862	3,334	3,503	3,469	3,492	3,492
Interruptible Industrial	49,355	47,727	49,770	49,761	49,790	49,790
Electric Power Generation	0	0	0	0	0	0
Subtotal Transportation	88,402	90,580	94,998	95,207	95,751	95,542
<b>TOTAL GAS REQUIREMENTS</b>	<b>117,635</b>	<b>122,176</b>	<b>125,494</b>	<b>126,885</b>	<b>128,302</b>	<b>129,187</b>
Increase (Decrease)		4,541	3,318	1,391	1,417	885
Percent Change (%)		3.9%	2.7%	1.1%	1.1%	0.7%

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FORM-IRP-GAS-2A: NATURAL GAS SUPPLY  
 REPORTING UTILITY: UGI UTILITIES, INC.  
 TABLE 1: ANNUAL SUPPLY  
 (volumes in MMcf)

Index Year Actual Year	Historical Data		Current Year	Three Year Forecast		
	-2 2013	-1 2014	0 2015	1 2016	2 2017	3 2018
<b>Gas Supply for Sales Service</b>						
<b>Supply Contracts</b>						
Z	10,290	11,947	1,938	0	0	0
F	4,798	7,634	1,815	0	0	0
FF	3,890	5,695	1,301	0	0	0
T	3,631	4,533	1,188	0	0	0
EE	2,369	3,513	857	0	0	0
A	2,095	2,696	524	0	0	0
K	1,287	1,049	502	0	0	0
M	1,251	904	499	0	0	0
BB	1,151	869	491	0	0	0
U	1,035	819	326	0	0	0
Supply Contracts (Other)	7,176	718	25,330	31,803	32,677	33,770
Spot Purchases	0	0	0	0	0	0
Storage Withdrawals	12,580	12,078	10,124	10,124	10,124	10,124
LNG/SNG/Propane Purchases	57	60	58	58	58	58
Company Production	0	0	0	0	0	0
Local Purchases	0	0	0	0	0	0
Exchanges with other LDCs	0	0	0	0	0	0
Other	0	0	0	0	0	0
<b>Total Gas Supply for Sales</b>	<b>51,610</b>	<b>52,515</b>	<b>44,954</b>	<b>41,985</b>	<b>42,859</b>	<b>43,952</b>
<b>Total Transportation Service</b>	<b>88,402</b>	<b>90,580</b>	<b>94,998</b>	<b>95,207</b>	<b>95,751</b>	<b>95,542</b>
<b>TOTAL SALES GAS SUPPLY AND TRANSPORTATION SERVICE</b>	<b>140,012</b>	<b>143,095</b>	<b>139,952</b>	<b>137,192</b>	<b>138,610</b>	<b>139,494</b>
<b>Deductions</b>						
Transportation Fuel	(940)	(1,178)	(355)			
Curtailments	0	0	0	0	0	0
Underground Storage Injections	(13,310)	(12,480)	(10,307)	(10,307)	(10,307)	(10,307)
LNG Liquefaction	0	0	0	0	0	0
Sales to other LDCs	0	0	0	0	0	0
Off-System Sales	(8,127)	(7,260)	(3,796)	0	0	0
<b>Total Deductions</b>	<b>(22,377)</b>	<b>(20,918)</b>	<b>(14,458)</b>	<b>(10,307)</b>	<b>(10,307)</b>	<b>(10,307)</b>
<b>NET GAS SUPPLY</b>	<b>117,635</b>	<b>122,176</b>	<b>125,494</b>	<b>126,885</b>	<b>128,302</b>	<b>129,187</b>

Rank contracts in order of magnitude for the current year. Reporting should proceed along rank ordering until 75% of total contract supply is accounted for, or until ten contracts have been listed, whichever comes first. Provide a separate sheet identifying the supplier for each contract listed.



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SECTION 5 [52 Pa. Code §53.64(c)(6)] FUEL PROCUREMENT PRACTICES

Each Section 1307(f) utility shall file with the Commission a statement of its current fuel procurement practices, detailed information concerning the staffing and expertise of its fuel procurement personnel, a discussion of its methodology for obtaining a least cost and reliable source of gas supply, including a discussion of any methodologies, assumptions, models or rules of thumb employed in selecting its gas supply, transportation and storage mix, its loss prevention strategy in the event of fraud, nonperformance or interruption of performance, its participation in capacity release and reallocation programs, the impact, if any, upon least cost fuel procurement by constraints imposed by local transportation end users, interruptible service, balancing, storage and dispatching options, and its strategy for improving its fuel procurement practices in the future and timetable for implementing these changes.

RESPONSE:

STATEMENT OF FUEL PROCUREMENT PRACTICES

UGI's fuel procurement practices are designed to meet the natural gas capacity requirements of its core market customers, which include PGC and Choice, and the natural gas supply requirements of its firm PGC customers following a least cost procurement strategy, providing secure and reliable capacity and supplies and promoting price stability.

STAFFING

An organizational chart depicting UGI's current Supply Department staff has been included as Attachment 5-1. There are three functional groups which play key roles in fulfilling the company's primary supply goals. These groups are **Short Term Supply Planning and Procurement**, **Long Term Supply Planning and Procurement** and **Gas Control**. Each of these groups is responsible for meeting the supply requirements of not only UGI, but also meeting these same requirements for UGI Penn Natural Gas, Inc. ("PNG") and UGI Central Penn Gas ("CPG"). Members of these teams make up a diverse group

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which encompasses varied levels and areas of utility industry experience. The average tenure of each member within the utility is approximately 15 years. These individuals have experience and expertise in the areas of Engineering, Operations, Marketing, Rates, Regulatory Affairs, Accounting and Finance.

**Short Term Supply Planning and Procurement** personnel are responsible for supply activities related to terms of one month or less. Some of the responsibilities under short term planning include defining demand requirements and identifying and negotiating supplies required to meet the demand along with contingency plans to handle fluctuations in demand. The group is also responsible for implementing the procurement plans, which includes the purchase of supplies, nomination and scheduling of supplies and the associated accounting and record keeping related to these activities.

**Long Term Supply Planning and Procurement** personnel are responsible for supply activities related to terms of more than one month. Some of the responsibilities under long term planning include issuing requests for proposals (RFPs) and negotiating contracts related to interstate pipelines, producers and marketers involved in the delivery of natural gas to the company. A primary goal of this group is to develop and maintain a highly reliable and diverse list of available suppliers. This is an extremely important component in the company's reliability planning which helps to assure the availability of firm supply to core market customers. Additionally, personnel in this group are responsible for monitoring pertinent Federal and State proceedings and promoting the interests of UGI's customers with the regulatory authorities. UGI's primary FERC activities are in base rate cases, certification proceedings and rulemakings. Base rate

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interventions require monitoring of pipeline cost policies. Certification proceedings involve authorizations for facilities and interconnections to broaden UGI's access to lesser-cost or more reliable gas supplies. Pipeline certificate proceedings are also monitored to prevent inequitable cost shifting to UGI's customers.

**Gas Control** personnel are primarily responsible for monitoring system pressures and flows in an effort to respond to the needs of the distribution system in order to ensure safe and reliable service. Additionally, Gas Control is responsible for monitoring daily demand and balancing such demand with those supplies provided by the Short Term Supply Planning and Procurement group. Gas Control personnel perform the majority of these duties through the utilization of a Supervisory Control and Data Acquisition (SCADA) system. This system is able to continually monitor the distribution system 24 hours per day, 7 days per week. Gas Control is also able to measure hourly and daily pipeline flows into its system to compare with those same measurements made by the interstate pipelines. This ensures that the proper quantities of gas are accurately recorded and eventually billed.

**DISCUSSION OF FUEL PROCUREMENT METHODOLOGY**

UGI's fuel procurement practices are designed to meet the natural gas requirements of its firm customers following a least cost procurement strategy, providing secure and reliable supplies and promoting price stability.

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**RELIABILITY**

UGI's objective to provide reliable natural gas supplies is reached through a variety of approaches. The primary approach that is of utmost importance is the procurement of primary firm asset backed capacity for core market customers. UGI's philosophy emphasizes the ability to provide each firm customer with natural gas supply every day of the year. Over the last several years there has been a notable increase in the number of interstate pipeline capacity constraints which has curtailed capacity with non-primary rights. Without primary firm asset backed capacity, UGI cannot guarantee supply reliability.

Another important piece of the reliability plan is the inclusion of a diverse mix of reliable supply sources in the supply portfolio. Over the past year, UGI contracted for firm transportation, firm delivered supply, firm storage and firm peaking services from a mix of eight interstate pipeline companies and one supplier. These providers are ANR, Columbia, Columbia Gulf, Dominion, Egan, Tennessee, Texas Eastern, Transco, and UGI Energy Services. The source points for UGI's gas supplies span from the Gulf of Mexico, Louisiana, and Texas to the Appalachian Mountains and Marcellus Shale region in Pennsylvania. In particular the Marcellus Shale region has become a growing supply source for UGI over the past few years.

While there are vast quantities of natural gas being produced in the Marcellus Shale region, so much so that gas is being shipped to other parts of the country, some of the Marcellus production is flowing into pricing locations that are not yet liquid. To compensate for the lack of liquidity in parts of the Marcellus Shale region, UGI contracts for firm supply at these Marcellus supply locations in advance via RFP or other form of

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competitive bidding as appropriate. However, increasing supplies from certain parts of the Marcellus are flowing into liquid markets and UGI has been shifting its portfolio to take advantage of these locations. Even though UGI is shifting to Marcellus, UGI's non-Marcellus supply locations continue to be liquid.

UGI also increases the reliability of supply by using storage facilities. During the summer season UGI buys natural gas and injects it into underground storage fields. During the winter season, UGI withdraws this gas from the storage fields to supplement baseload purchases. UGI's firm storage provides the company with supply points that are geographically diverse, located primarily in UGI's market area as opposed to the gulf coast. Having supplies available from varied locations reduces the risk of losing a large portion of supply at a single location. For example, storage facilities located within the market areas are not as susceptible to hurricanes as are gulf coast production facilities. Currently, UGI has approximately 12 MMdth of underground storage in its supply portfolio.

One storage field, Egan, differs from the "traditional storage field" in that the field is geographically located in the production area of Louisiana. This storage field is a salt dome storage field with high deliverability. UGI uses this storage field to further increase reliability. The gas withdrawn from this storage field can be used in conjunction with capacity that has been recalled from interruptible customers or used as a back-up to lost supplies due to well freeze-offs, production problems from hurricanes or other force majeure occurrences.

For core market customers such as residential and small commercial and industrial customers on UGI's system, UGI's Customer Choice Program requires

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Choice Suppliers to accept releases of primary firm pipeline capacity contracted by UGI in an effort to maintain system reliability and facilitate the prudent allocation of costs. In addition to the requirement to comply with tariff Rate AG, which includes established penalties for failure to perform as an attempt to assure market discipline by Choice Suppliers, Choice Suppliers are also required to execute an Aggregation Agreement. This agreement allows UGI to recall released capacity to meet its supplier of last resort obligation to ensure the reliability of supply for the core market in the event of a supplier default and reduce risk during the supply transition under a default scenario.

UGI also has an opportunistic benefit to enter into gas purchases and sales between distribution company affiliates PNG and CPG in order to provide another layer of system balancing opportunities. To the extent one distribution company affiliate is long and another is short on any given day or month, UGI can take advantage of the portfolio synergies between the companies in this manner thus avoiding purchasing supplies in the spot market and avoiding potential pipeline penalties.

**PRICE STABILIZATION**

In accordance with the Settlement in UGI's 2004 purchased gas cost filing (Docket No. R-00049422), UGI hired a consultant with expertise in the use of financial instruments to review UGI's PGC risk management plan. The consultant's recommendations were reviewed and adopted by UGI as part of a settlement agreement with the PA PUC. The revised hedging strategy consists of a time-triggered, layering in approach for procurement of PGC seasonal supplies over a longer planning horizon. Additionally, UGI utilizes

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financial instruments, specifically futures and options, in pursuit of its ongoing gas purchasing strategy to promote price stability and maintain operational flexibility. UGI incorporates the purchase of options into its PGC supply portfolio at an annual cost not to exceed 1% of UGI's annual purchased gas costs projected in the prior year's 1307(f) Book 1 filing.

**PLANNING TOOLS**

As described in Section 2-B, UGI has two main planning tools that it uses in an effort to achieve the objectives of least cost procurement, reliability, risk management, and price stability. These two main tools are SENDOUT® and load duration analysis. Both tools are used to model the natural gas demand and supply balance. The demand and supply balance is modeled first yearly and seasonally and then drills down to monthly, weekly, and daily time frames. UGI adjusts the monthly and daily plans based on actual weather and seasonal and annual constraints. Through this planning process UGI works toward achieving the main procurement objectives as stated above.

Annually and seasonally, UGI's use of SENDOUT® and the load duration analysis determines system capacity requirements. UGI then aggressively pursues available market options to fill any incremental capacity needs. On a monthly and daily basis UGI works towards implementing the plans from SENDOUT® and the load duration analysis. Since SENDOUT® is a linear program which solves for least cost, UGI is continually implementing a plan based on a least cost optimization of the entire asset portfolio. Additionally, because SENDOUT is also assessing the impacts of demand and price volatility,

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a thorough risk-based planning process is inherently part of the UGI Gas Supply plan.

Included in the portfolio and plans, among other assets, are the use of swing rights on firm transportation contracts and peaking services. These no-notice services help in balancing the distribution system on a daily basis. Differences in the plan and actual results can arise from rapidly changing weather patterns, imprecise weather forecasts, economic shifts, or pipeline restrictions.

**CAPACITY RELEASE AND INCENTIVE SHARING**

Federal regulatory policies provide opportunities to sell or release pipeline and storage capacities when they are not needed to meet firm demand. Such policies also permit UGI to acquire capacity released by other shippers. UGI will consider bidding on released capacity or releasing its own capacity when it aligns with its procurement policy.

During the past 12 months, UGI's credits from short term, off-system capacity releases, storage asset management and off-system sales are included in Attachment 1-A-1 under the line item labeled "Capacity Release/Incentive Sharing." Attachments 1-B-1 and 1-B-2 show UGI's forecast for these same credits for the projected 20-month period.

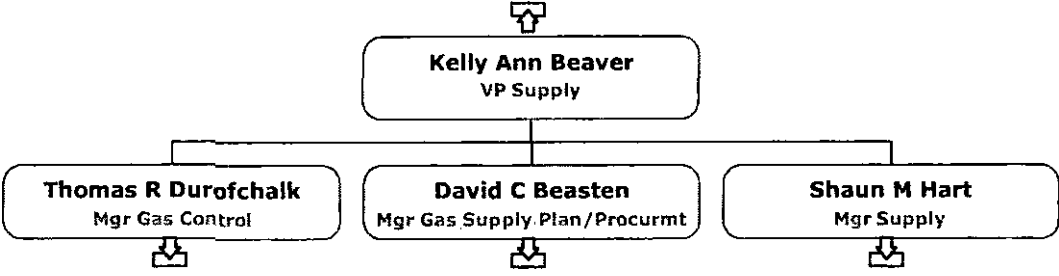
**SUMMARY**

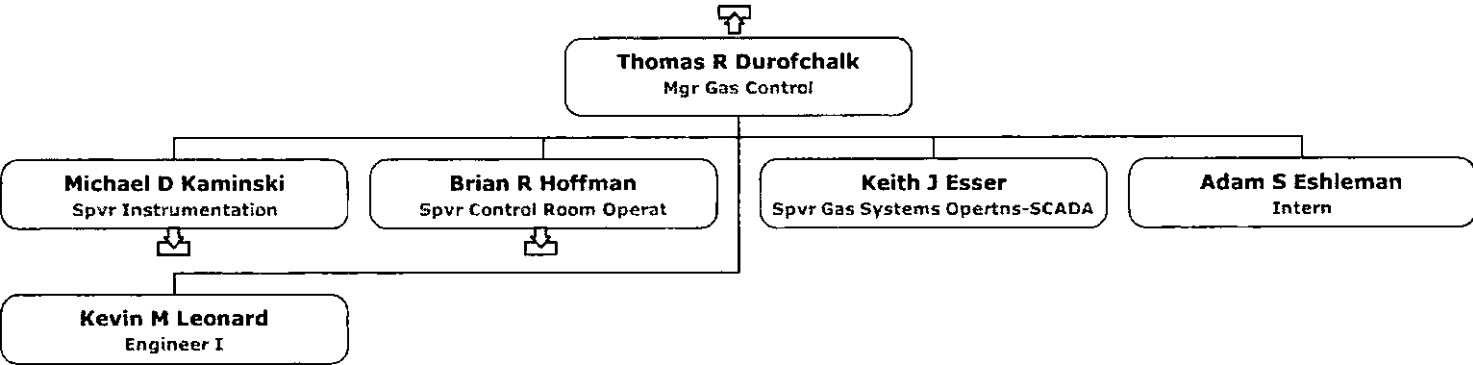
In summary, UGI's fuel procurement practices are designed to meet the natural gas requirements of its firm customers following a least cost procurement strategy, providing secure and reliable supplies and promoting price stability. UGI utilizes several risk management software applications,

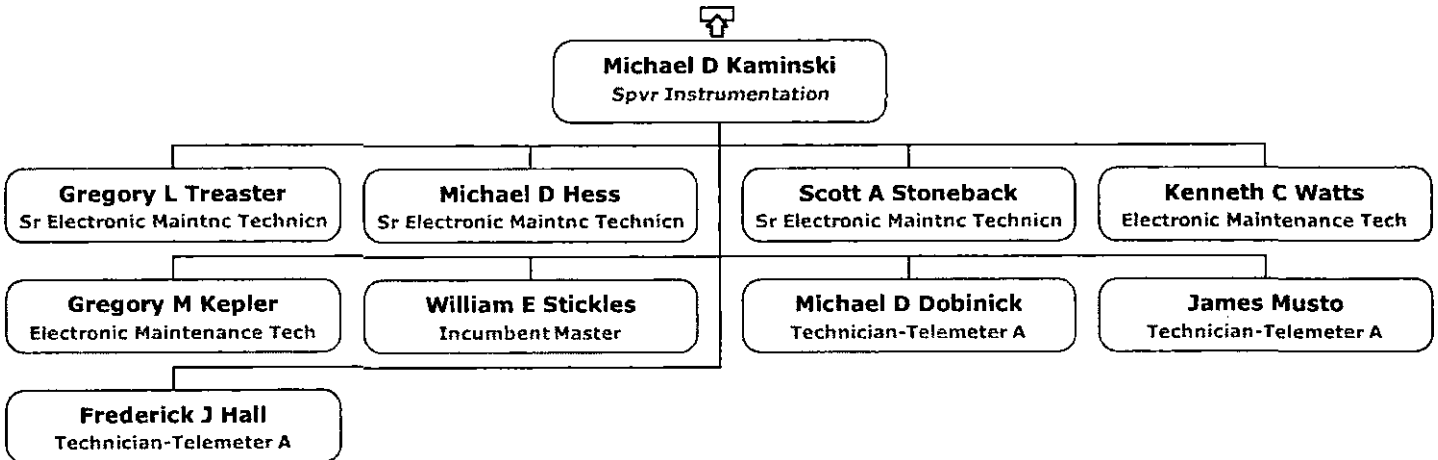


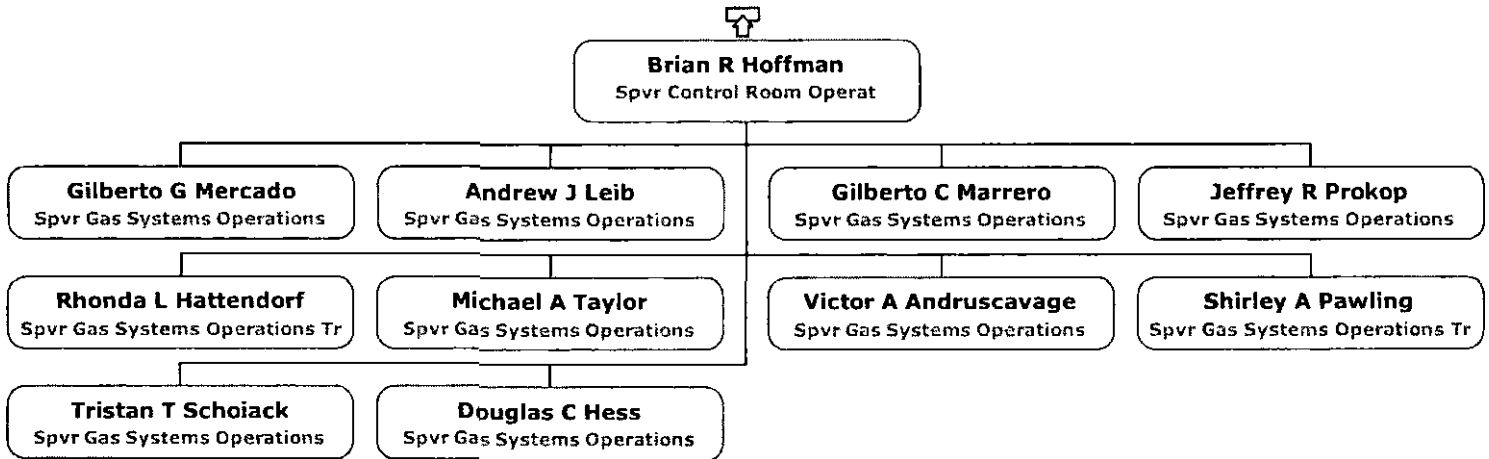
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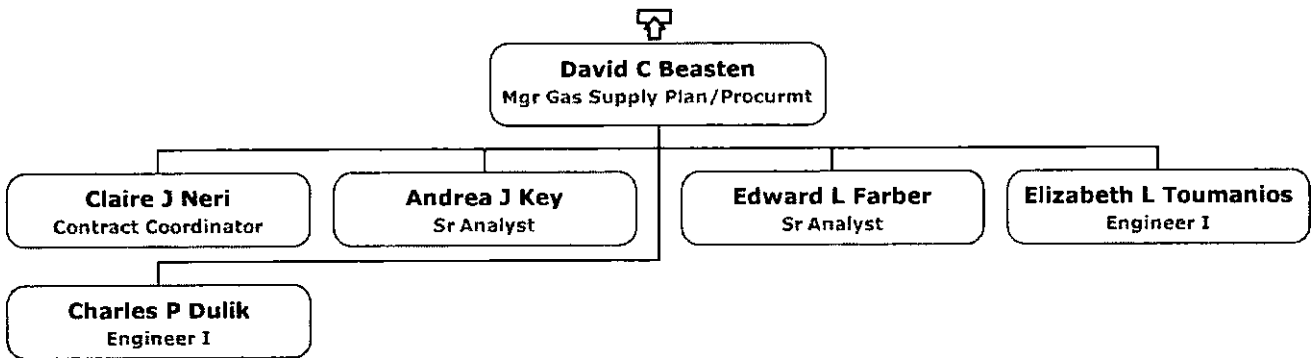
a diverse portfolio, and the resident knowledge of its employees to meet these objectives in a least cost manner. However, UGI recognizes there is always room for further improvement. As outlined earlier in this section, UGI will continue to seek out new solutions to better achieve the stated procurement goals.

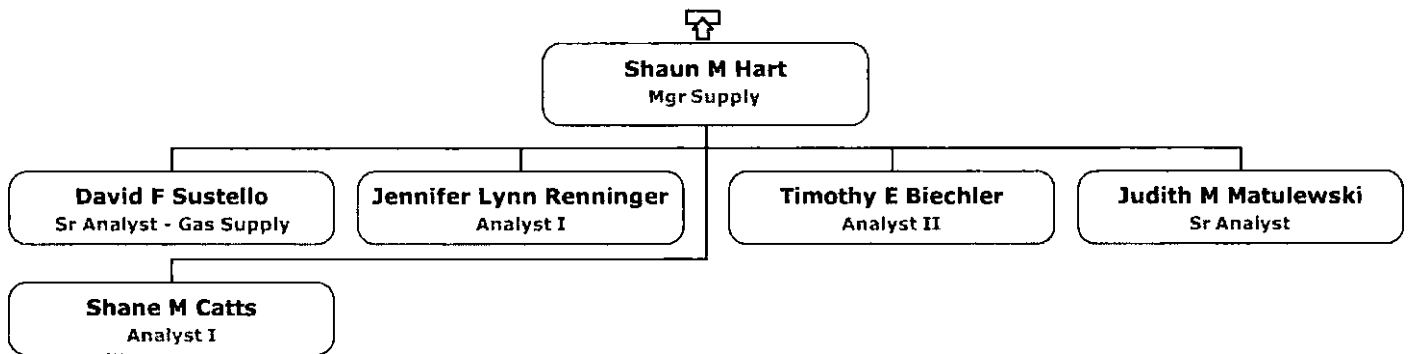












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SECTION 6 [52 Pa. Code §53.64(c)(7)] OFF-SYSTEM SALES

A list of off system sales, including transportation, storage or capacity releases by the utility at less than the weighted average price of gas, or at less than the original contract cost of transportation, storage or capacity supplied to the utility for its own customers.

RESPONSE:

Please refer to Attachments 1-A-1, 1-B-1 and 1-B-2.



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SECTION 7 [52 Pa. Code §53.64(c)(8)] TRANSPORTATION AGREEMENTS

Provide a list of agreements to transport gas by the utility through its system, for other utilities, pipelines, or jurisdictional customers including the quantity and price of the transportation.

RESPONSE:

UGI uses a standard form of contract for agreements with transportation customers. A copy of the standard form of agreement is attached as Attachment 7-1.

As of March 31, 2015, UGI is transporting gas for 1,305 large (non-choice) customers. Of these, 297 are served under Rate IS/IL (Interruptible Service - Small Volume/Large Volume) - DSO (Delivery Service Option), 53 are served under Rate XD (Extended Large Volume Delivery Service), 248 are served under Rate LFD (Large Firm Delivery Service), with the remaining 707 customers served under Rate DS (Delivery Service Rider). In addition to these customer counts, UGI is transporting gas for 46,018 Choice transportation customers served under Rate RT (Residential Transportation), 10,071 Choice transportation customers served under Rate NT (Non-Residential Transportation) and 4 Choice transportation customers served under Rate CT(Commercial and Industrial Air Conditioning).

UGI's Gas Tariff - PA P.U.C. No. 5 contains the tariff pages of UGI's currently effective Transportation Rate Schedules. Pricing information is included in each Rate Schedule within the Rate Table Section. A complete copy of UGI's current Gas Tariff is available on our website at <http://www.ugi.com/gasmngmt/UGIU/tariff.shtml>.

The total volume transported by UGI for the 12 months ending March 31, 2015 is shown on Attachment 1-C-1.

**RATE DS SERVICE AGREEMENT**

\_\_\_\_\_, a \_\_\_\_\_ Corporation/Partnership/Sole Proprietorship ("Customer") and UGI Utilities, Inc., a Pennsylvania Corporation ("UGI"), intending to be legally bound hereby, enter into this Agreement (the "Agreement") this \_\_\_ day of \_\_\_\_\_, 20\_\_.

1. **Tariff Provisions** - UGI's Tariff Gas Pa. P.U.C. No. 5 ("Tariff"), UGI's Nomination Procedure ("Nomination Procedure") and any effective amendments to the Tariff and Nomination Procedure during the term of this Agreement, specify rules for Rate DS service, are incorporated herein by reference and supersede any inconsistent provisions of this Agreement.

2. **Term** - This Agreement shall become effective on the date first above written, and shall continue in effect for a term of one year. This Agreement shall automatically renew for a like term unless terminated at the end of any term by ninety (90) days' prior written notice; provided, however, that the advance notice provisions of Section 8 hereof shall remain in effect following any termination of this Agreement.

In consideration of the rates and other service conditions specified herein and in the Tariff, during the full term of this Agreement Customer shall (a) acquire its full firm gaseous fuel delivery requirements from UGI and (b) not apply, or cause others to apply, for gaseous fuel delivery service commencing during or after the term of this Agreement unless (a) the entity is authorized by a blanket certificate or otherwise by the Federal Energy Regulatory Commission to provide such service or (b) the entity has obtained a ruling or Certificate of Public Convenience from the Pennsylvania Public Utility Commission or other regulatory or judicial body having jurisdiction that the provision of such service is permissible.

3. **Service to be Provided** - Subject to the terms of this Agreement, for each twenty-four hour period commencing at 10:00 a.m. during the term of the Agreement (a "Gas Day"). UGI shall transport between the Pipeline Delivery Point(s) and the Destination Point(s) stated below the volumes of natural gas nominated properly by Customer, less retainage for UGI system use and losses:

Pipeline Delivery Point(s) - Any pipeline interconnect with UGI's system. (May be modified upon 30 days written notice.)  
Destination Point(s) - \_\_\_\_\_

4. **Nomination** - Customer shall nominate the volumes of natural gas to be delivered to the Pipeline Delivery Point(s) stated above during each Gas Day. Applicable nomination rules are set forth in UGI's Nomination Procedures.

5. **Customer Obligation to Deliver** - Customer is required during each Gas Day to deliver to the Pipeline Delivery Point(s) the volumes of gas it has nominated for delivery.

6. **Daily Balancing** - Customer shall use its best efforts to balance its nominated deliveries to the Pipeline Delivery Point(s), less retainage for UGI system use, with its withdrawals at the Destination Point(s) on a daily basis. If Customer is not served through daily metering facilities, UGI shall provide and Customer shall pay for UGI No-Notice Service ("NNS") to accommodate inadvertent daily imbalances. If Customer is served through daily metering facilities, it shall select one of the following to accommodate inadvertent daily imbalances:

Check One:

- ( ) NNS for all inadvertent daily imbalances.  
( ) NNS for up to \_\_\_\_\_ MCF/Gas Day.  
( ) No NNS.

Inadvertent daily imbalances in excess ten percent per Gas Day not accommodated by NNS shall be subject to the penalties specified in the Tariff.

7. **Monthly Balancing** - Customer shall balance its nominated deliveries to the Pipeline Delivery Point(s), less retainage for UGI system use, to its withdrawals at the Destination Point(s) on a monthly basis. Inadvertent monthly imbalances shall be cashed-in/cashed-out as specified in the Tariff except to the extent Customer elects UGI Monthly Balancing Service ("MBS") and the inadvertent monthly imbalance can be accommodated under the terms and conditions specified in the Tariff for MBS.

Customer hereby does/does not elect MBS.

8. **Upstream Transportation** - Customer agrees that UGI shall act as Customer's agent for the sole purposes of (a) arranging and administering the transportation of gas to the Pipeline Delivery Point(s), (b) executing agreements and amendments thereto as may be necessary to effectuate such transportation arrangements and (c) paying the transportation and other charges associated with such transportation arrangements. Customer acknowledges and accepts the use of pipeline capacity and storage services assigned by UGI to its DS customers to deliver gas to the Pipeline Delivery Point(s). Customer acknowledges further that UGI has acquired or assigned a portfolio of pipeline and storage contracts to meet the requirements of its firm customers, and that such contracts often have multi-year

terms. Accordingly, unless otherwise waived by UGI, Customer shall provide UGI with three year's advance notice of its desire to utilize other transportation arrangements and, if approved by UGI, such arrangements shall be effectuated on the third anniversary of the request. Similarly, if Customer utilizes other transportation arrangements, it shall provide UGI with three year's advance notice of its desire to utilize services provided by pipeline or storage arrangements of UGI or assigned by UGI to its firm customers.

9. Measurement and Billing - UGI shall bill Customer on a monthly basis for Rate DS and, if applicable, Rate NNS and Rate MBS service. Upstream transportation and balancing provider(s)' and UGI records shall determine volumes delivered by Customer to the Pipeline Delivery Point(s), and UGI measuring facilities shall determine volumes delivered to the Destination Point(s). For billing purposes, all gas consumed shall be corrected to standard conditions of 14.73 pounds per square inch, absolute pressure, and a temperature of sixty (60) degrees Fahrenheit. Customer shall also reimburse UGI for any of Customer's upstream transportation and service charges within ten (10) days after UGI bills Customer for such charges, and agrees to pay the late payment charge specified in the Tariff if such payments are late.

10. Warranties and Indemnification - Customer warrants that (a) it shall have good title to all gas delivered to upstream transporters and UGI, (b) such gas shall be free of all liens or encumbrances of any kind, (c) that gas delivered to upstream transporters shall be of sufficient pressure, heating quality and other physical qualities so that any upstream transporter shall receive and transport it and (d) that Customer is an eligible end-user of gas to be transported hereunder and shall conform to all applicable Federal Energy Regulatory Commission and upstream service provider rules and regulations. Customer shall hold UGI and each of its officers, employees, successors and assigns harmless from any claim (including reasonable attorney's fees in defense thereof or required to enforce this provision) arising out of Customer's breach of this Agreement or any of Customer's warranties hereunder.

11. Service Interruptions and Force Majeure - UGI's transportation of gas hereunder is on a best efforts basis, may be interrupted to comply with governmental requirements and shall only be provided to the extent UGI determines, in its sole judgment, that adequate transportation and delivery capacity is available on UGI's system and the system of any third party necessary to deliver gas to Customer. UGI and Customer shall not be liable to the other for any act of omission hereunder caused by an event not reasonably within the control of the party and which by the exercise of due diligence such party is unable to prevent or overcome (a "Force Majeure"). If Customer is unable to take deliveries of gas because of a Force Majeure event, it shall nonetheless be responsible for all upstream capacity or customer charges, and all commodity charges for gas actually received during the Force Majeure event. A party claiming Force Majeure shall provide prompt written notice to the other party of the date of the Force Majeure event and its cause and probable duration.

12. Notices - Notices under this Agreement, unless changed by written notice, shall be delivered as follows:

to UGI at:	to Customer at:
P.O. Box 12677	_____
Reading, PA 19612-2677	_____
For Interruption:	Telephone: _____
Telephone: (610) 736-5528	
Fax: (610) 926-0724	
For Service:	
Telephone: Key Accounts _____	

13. Other Provisions - Customer may not assign this Agreement without the prior written consent of UGI; the failure by UGI to enforce any provision of this Agreement shall not constitute a waiver of such provision or of the right of UGI to avail itself of any remedy for the breach of such provision; this Agreement may only be modified in writing duly executed by the parties; and this Agreement shall constitute the entire agreement between the parties regarding the subject matter therein and shall supersede any previous agreements or communications, whether written or oral.

14. Counterparts - This Agreement may be executed in multiple counterparts, each of which shall be deemed an original, and all of which together shall constitute one and the same instrument. The delivery of an executed counterpart of this Agreement by e-mail delivery of a ".pdf" format data file shall be deemed to be valid delivery thereof. In the event that any signature is delivered by e-mail delivery of a ".pdf" format data file, such signature shall create a valid and binding obligation of the party executing with the same force and effect as if such ".pdf" signature page were an original thereof.

The parties have accordingly executed this Agreement the day and year first above written.

\_\_\_\_\_  
By: \_\_\_\_\_  
Name Printed : \_\_\_\_\_  
Title: \_\_\_\_\_

UGI UTILITIES, INC.  
By: \_\_\_\_\_  
Robert Stoyko  
Vice President

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SECTION 8 [52 Pa. Code §53.64(C)(9)] END-USER TRANSPORTATION VOLUME

Provide a schedule depicting historic monthly end-user transportation throughput by customer. Each customer or account shall be identified solely by a unique alphanumeric code, the key to which may be provided subject to the provisions of 52 Pa. Code §5.423 (relating to orders to limit availability or proprietary information).

RESPONSE

The total historic monthly end-user transportation throughput is listed in Attachment 1-C-1, Page 2 of 2. As of March 31, 2015, UGI serves 57,398 transportation customers. Of this count, 56,093 are served under the customer choice program while the remaining 1,305 customers are larger transportation customers.

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SECTION 9 [52 Pa. Code §53.64(c)(10)] SYSTEM MAP

Provide a schematic system map, locating and identifying by name, the pressure and capacity of all interstate or intrastate transmission pipeline connections, compressor stations, utility transmission or distribution mains 6 inches or larger in size, storage facilities, including maximum daily injection and withdrawal rates, production fields, and each individual supply or transportation customer which represents 5% or more of total system throughput in a month.

RESPONSE:

In light of the security concerns reflected in the Commission's Workplace Security Survey at Docket No. M-00021590, UGI has not included system maps in this filing, but would consider providing such maps to parties upon the issuance of an appropriate Commission order.

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SECTION 10 [Pa. Code §53.64(c)(11)] RATE STRUCTURE CHANGES

If any rate structure or rate allocation changes are to be proposed, a detailed explanation of each proposal reasons therefore, number of customers affected, net effect on each customer class, and how the change relates to or is justified by changes in gas costs proposed in the 1307(f) tariff filing. Explain how gas supply, transportation and storage capacity costs are allocated to customers who are primarily non-heating, interruptible or transportation customers.

RESPONSE:

At this time, UGI is not proposing any rate structure or rate allocation changes. If any changes are proposed, they will be included in the Direct Testimony submitted with our June 1, 2015 PGC Tariff Filing or in a separate filing.

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SECTION 11 [§53.64(c)(12); (13); and (14)] PEAK DAY

Provide a schedule depicting the most recent 5-year consecutive 3-day peak data by customer class (or other historic peak day data used for system planning), daily volumetric throughput by customer class (including end-user transportation throughput), gas interruptions and high, low and average temperature during each day. Include identification and support for any peak day methodology used to project future gas demands and studies supporting the validity of the methodology. Provide analysis and data demonstrating, on an historic and projected future basis, the minimum gas entitlements needed to provide reliable and uninterrupted service to priority one customers during peak periods.

**RESPONSE:**

**Historic Peak Day Data**

See attachments 11-1, page 1 & 2 for historic 5-year consecutive 3-day peak data.

**Methodology Used for Developing Projected Peak Day**

The methodology currently utilized by UGI to develop peak day temperatures was approved as part of the 2007 PGC comprehensive settlement at Docket No.R-00072335. Since there is a direct relationship between demand and temperature, UGI begins the development of the projected firm peak demand by determining the projected peak day temperature for both its primary service territory as well as the Hazleton service territory. Consistent with the settlement agreement language, UGI's design day temperature for its primary area is derived by adding 2.0 degrees to the coldest 24 hour temperature observed in its primary service territory over the 30 year period (1985-2014) in UGI's hourly temperature database. (The coldest 24-hour temperature recorded in this period was minus 5.6 degrees Fahrenheit.) This calculation produces a design day temperature of minus 3.6 degrees Fahrenheit. The design

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day temperature for the Hazleton service territory is derived by adding 1.9 degrees to the coldest 24 hour temperature observed in its primary service territory over the 30 year period (1985-2014) in UGI's hourly temperature database. (The coldest 24-hour temperature recorded in this period was minus 9.9 degrees Fahrenheit.) This calculation produces a design day temperature of minus 8.0 degrees Fahrenheit. Also, consistent with the provisions of the settlement, UGI will utilize a wind speed factor in the design day methodology which is equivalent to a 2.0 degree Fahrenheit heating demand impact.

With the design day temperatures calculated, UGI then develops a firm sendout equation using a linear regression analysis. Historical daily firm sendout is regressed against historical daily mean temperatures for each of the historical winter heating seasons. The firm sendout is determined by subtracting the large transportation customer's sendout from the total measured Sendout and then adding back the daily firm requirement (DFR) for the large firm customers on a peak day. The peak day temperature and the 2 degree Fahrenheit wind speed factor are then used in the historical firm equations to determine the historical firm peak day demand for each of the historical winters. Once UGI has a historical firm peak demand, UGI adjusts this number for known and projected changes in firm requirements. These changes can include actual or projected increases or decreases in customer counts and actual or projected increases or decreases in customer's daily firm requirements. For more specific detail for this year, please refer to UGI's direct testimony.



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**Projected Peak Day Demand for the 2015-2016 Winter**

UGI's design firm peak day projection for the upcoming 2015-2016 winter is 766  
Mdth per day.

UGI UTILITIES EXPERIENCED 3-DAY PEAK PERIODS								
WINTER SEASON	DAY OF WEEK	DATE		VOLUME (MDTH)	MEAN TEMP	HIGH TEMP	LOW TEMP	CUSTOMER INTERRUPTIONS
2010 - 2011	SATURDAY	JANUARY 22		489.3	13.125	20	7	PARTIAL IS, IL, & XD and 1 PRESSURE RELATED
	SUNDAY	JANUARY 23		519.7	13.125	23	2	PARTIAL IS, IL, & XD and 5 PRESSURE RELATED
	MONDAY	JANUARY 24		504.7	20.75	26	12	PARTIAL IS, IL, & XD and 3 PRESSURE RELATED
		TOTAL		1,513.7				
2011 - 2012	TUESDAY	JANUARY 3	PEAK DAY	611.0	19	27	11	PARTIAL IS, IL, & XD
	WEDNESDAY	JANUARY 4		597.4	26	32	20	PARTIAL IS, IL, & XD and 7 PRESSURE RELATED
	THURSDAY	JANUARY 5		555.4	31	40	25	PARTIAL IS, IL, & XD
		TOTAL		1,763.9				
2012 - 2013	TUESDAY	FEBRUARY 19		555.8	34	40	26	PARTIAL IS, IL, & XD and 1 FULL IS
	WEDNESDAY	FEBRUARY 20	PEAK DAY	633.9	26	29	23	PARTIAL IS, IL, & XD and 1 FULL IS
	THURSDAY	FEBRUARY 21		599.0	28	35	23	PARTIAL IS, IL, & XD and 1 FULL IS
		TOTAL		1,788.6				
2013 - 2014	TUESDAY	MARCH 3		675.9	15	20	10	PARTIAL IL & XD, 7 PRESSURE RELATED, and 9 FULL IS
	WEDNESDAY	MARCH 4		639.7	23	28	17	PARTIAL IS, IL, & XD, 8 PRESSURE RELATED, and 7 FULL IS
	THURSDAY	MARCH 5		624.4	26	37	17	PARTIAL IS, IL, & XD, 6 PRESSURE RELATED, and 5 FULL IS
		TOTAL		1,940.0				
2014-2015	MONDAY	JANUARY 5		646.9	23	33	16	PARTIAL IS, IL, & XD and 1 FULL IS
	TUESDAY	JANUARY 6		668.3	16	21	11	PARTIAL IS, IL, & XD, 2 PRESSURE RELATED, and 10 FULL IS
	WEDNESDAY	JANUARY 7		659.2	12	21	6	PARTIAL IS, IL, & XD, 10 PRESSURE RELATED, and 23 FULL IS
		TOTAL		1,974.4				

UGI UTILITIES 3 DAY CONSECUTIVE PEAK ESTIMATED SENDOUT BY RATE CLASS															
	2010-2011			2011-2012			2012-2013			2013-2014			2014-2015		
	JAN 22 (MDTH)	JAN 23 (MDTH)	JAN 24 (MDTH)	JAN 3 (MDTH)	JAN 4 (MDTH)	JAN 5 (MDTH)	FEB 19 (MDTH)	FEB 20 (MDTH)	FEB 21 (MDTH)	MAR 3 (MDTH)	MAR 4 (MDTH)	MAR 5 (MDTH)	JAN 5 (MDTH)	JAN 8 (MDTH)	JAN 7 (MDTH)
RG	3.5	3.6	3.4	3.5	3.3	2.9	3.0	4.0	3.6	4.9	4.0	2.1	2.7	3.0	3.8
RH	179.4	186.0	176.1	163.2	154.0	135.5	135.2	175.8	158.9	238.5	196.7	100.4	167.8	192.2	239.1
CG	2.5	2.6	2.5	2.4	2.3	2.0	2.0	2.6	2.3	4.1	3.4	1.7	2.2	2.5	3.1
CH	67.9	70.4	66.7	61.5	58.1	51.1	48.8	63.4	57.3	90.5	74.6	38.1	70.9	81.2	101.0
IG	0.4	0.4	0.3	0.8	0.7	0.6	0.2	0.2	0.2	0.3	0.3	0.1	0.2	0.2	0.3
IH	5.6	5.9	5.5	5.1	4.8	4.3	4.4	5.7	5.1	6.4	5.3	2.7	5.2	6.0	7.4
PGC FIRM	259.3	266.8	254.5	236.6	223.3	196.5	193.5	251.7	227.5	344.7	284.3	145.1	248.9	285.2	354.7
RT (CHOICE)	8.5	8.8	8.6	10.8	10.9	11.0	17.3	17.2	17.0	22.2	21.9	21.6	22.6	23.0	23.4
NT (CHOICE)	53.4	55.4	54.0	39.2	39.7	40.1	45.7	45.3	44.8	46.1	45.4	44.8	44.5	45.3	46.1
BD/BDL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DS	25.7	26.7	25.2	23.0	21.8	19.1	26.3	34.2	30.9	53.4	44.0	22.5	39.9	35.4	44.0
LFD	33.4	34.6	32.8	39.6	37.4	32.9	38.5	42.1	40.1	50.9	49.0	47.2	50.7	53.7	56.4
XD-F/CDS-F	37.0	38.4	36.4	40.9	38.5	33.9	34.6	35.7	36.1	38.8	37.9	37.8	50.0	49.7	51.1
FIRM TRANSPORTATION	158.1	163.9	157.0	153.5	148.3	137.0	162.4	174.6	168.9	211.4	198.2	173.9	198.7	207.0	221.0
INTERRUPTIBLE	72.0	87.0	93.2	220.9	225.9	222.0	199.9	207.6	202.6	119.8	157.2	305.4	199.2	176.1	83.5
TOTAL	489.3	519.7	504.7	611.0	597.4	555.4	555.8	633.9	599.0	875.9	639.7	624.4	646.9	668.3	659.2

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SECTION 12 [Pa. Code §53.64(i)(1)] PGC REVENUE/EXPENSE

Thirty days prior to the filing of a tariff reflecting increases or decreases in purchased gas expenses, gas utilities under 66 Pa. C.S. §1307(f) recovering expenses under that section must file a statement for the 12-month period ending 2 months prior to the filing date under 66 Pa. C.S. §1307(f) as published in accordance with subsection (b) which shall specify:

- (i) The total revenues received under 66 Pa. C.S. §1307 (a), (b), or (f) including all fuel revenues received, whether shown on the bill as 66 Pa. C.S. §1307 (a), (b), or (f) charges or rolled in as base rates.
- (ii) The total purchased gas expenses incurred.
- (iii) The difference between the amounts in subparagraph (i) and (ii).
- (iv) Evidence explaining how actual costs incurred differ from the costs allowed under subparagraph (ii).
- (v) How these costs are consistent with a least cost procurement policy as required by 66 Pa. C.S. §1318 (relating to determination of just and reasonable natural gas rates).

RESPONSE:

- (i) Please refer to Attachment 12-1.
- (ii) Please refer to Attachment 12-1.
- (iii) Please refer to Attachment 12-1.
- (iv) For the historic year ending March 31, 2015, purchased gas costs are lower than purchased gas revenues by \$6.5MM. This overcollection is primarily attributable to the lower cost of purchased gas incurred as compared to PGC revenue received.
- (v) For the explanation of consistency with least cost procurement policy, see Sections 3, 5, and 13.

ATTACHMENT 12-1

UGI UTILITIES, INC. - GAS DIVISION  
PGC: REVENUE; EXPENSE; OVERCOLLECTION  
HISTORIC YEAR ENDING MARCH 31, 2015

2013 -- 2014	REVENUE \$	COST \$	(UNDER)/OVER COLLECTION \$
APRIL	\$ 18,238,570	\$ 11,858,050	\$ 6,380,520
MAY	\$ 8,325,443	\$ 7,093,546	\$ 1,231,897
JUNE	\$ 4,056,749	\$ 4,730,950	\$ (674,201)
JULY	\$ 3,348,160	\$ 5,633,156	\$ (2,284,996)
AUGUST	\$ 3,256,055	\$ 5,015,913	\$ (1,759,858)
SEPTEMBER	\$ 3,353,939	\$ 5,316,853	\$ (1,962,914)
OCTOBER	\$ 4,636,788	\$ 6,039,072	\$ (1,402,284)
NOVEMBER	\$ 12,329,203	\$ 23,845,260	\$ (11,516,057)
DECEMBER	\$ 26,316,864	\$ 25,927,997	\$ 388,867
JANUARY	\$ 32,136,146	\$ 31,057,321	\$ 1,078,825
FEBRUARY	\$ 35,584,214	\$ 31,161,186	\$ 4,423,028
MARCH	\$ 33,309,056	\$ 20,692,520	\$ 12,616,536
	<u>\$ 184,891,187</u>	<u>\$ 178,371,824</u>	<u>\$ 6,519,363</u>

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SECTION 13 [52 Pa. Code §53.65] AFFILIATED PURCHASES

Special provisions relating to natural gas distributors with gross intrastate annual operating revenues in excess of \$40 million with affiliated interests.

Whenever a gas utility under 66 Pa.C.S. §1307(f) (relating to sliding scale of rates; adjustments) purchases gas, transportation or storage from an affiliated interest, as defined at 66 Pa.C.S. §2101 (relating to definitions of affiliated interest), it shall, in addition to the normal submission expected of a gas utility under 66 Pa.C.S. §1307(f) file evidence to meet its burden under 66 Pa.C.S. §1317(b) (relating to regulation of natural gas costs). The evidence, to be filed 60 days prior to the filing of a tariff under 66 Pa.C.S. §1307(f) shall include, but not be limited to, statements regarding:

- (1) The costs of the affiliated gas, transportation or storage as compared to the average market price of other pipeline gas, transportation or storage and the price of other sources of gas, transportation or storage.
- (2) Estimates of the quantity of gas, transportation or storage available to the utility from all sources.
- (3) Efforts made by the utility to obtain gas, transportation or storage from non-affiliated interests.
- (4) The specific reasons why the utility has purchased gas, transportation or storage from an affiliated interest and demonstration that the purchases are consistent with a least cost fuel procurement policy.
- (5) The sources and amounts of gas, transportation or storage which have been withheld from the market by utility or affiliated interest and the reasons why the gas, transportation or storage has been withheld.
- (6) To the extent that the information required in this section has been submitted under §53.64 (relating to filing requirements for natural gas distributors with gross intrastate annual operating revenues in excess of \$40 million) the utility need only designate information which applies to affiliated interests.

RESPONSE

Attachment 13-1 provides the quantities and price of natural gas purchased from UGI Penn Natural Gas, UGI Central Penn Gas, and UGI Energy Services during the 12-month period ending March 31, 2015. All purchase points listed as "Storage Refill" relate to storage gas purchased pursuant to

UGI UTILITIES, INC. - GAS DIVISION  
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UGI's Storage Contract Administration Agreement with UGI Energy Services.

UGI also has firm delivered supply and peaking contracts with UGI Energy Services which are shown on Attachment 1-A-1 on the line items labeled "UGIES FIRM DELIVERED SUPPLY" and "UGIES PEAKING SERVICE DEMAND" as well as on Attachments 1-B-1 and 1-B-2 on the line items labeled "UGI ES Delivered Supply", "Transco Delivered Supply", and "UGI ES Peak SVC". Effective November 1, 2015, UGI will have a delivered supply contract with UGI Penn Natural Gas, which is shown on Attachments 1-B-1 and 1-B-2 on the line labeled "Transco Delivered Supply".

Additionally, UGI has transportation service with UGI Central Penn Gas which is shown on Attachment 1-A-1 on the line item labeled "UGI CENTRAL PENN GAS" and on Attachments 1-B-1 and 1-B-2 on the line item labeled "UGI Central Penn Gas".

LP-Beyond the Main

UGI has a contract with AmeriGas for propane delivery service including use of tanks and necessary hardware to supply UGI's customers located beyond UGI's gas mains. Data for the line items labeled "LP-BEYOND THE MAIN" is located on Attachment 1-A-1, and the volume of 57,500 dth, represents approximately 0.2% of the total PGC supply of 33,807,533 dth. Prospectively these volumes and costs are located on Attachments 1-B-1 and 1-B-2 on the line item labeled "Gas Beyond M". UGI has priced these supplies at current market levels. Recovery of the costs and pricing to these Gas Beyond the Mains ("GBM") customers are in accordance with the Commission's order at Docket No. R-2010-2105911.

<u>AFFILIATE SUPPLIER</u>	<u>PURCHASE POINT</u>	<u>START DATE</u>	<u>END DATE</u>	<u>PURCHASE VOLUME (DTH)</u>	<u>PURCHASE PRICE (\$/DTH)</u>
<b>April-14</b>					
UGI Energy Services	Transco Z6NonNY	1-Apr-14	1-Apr-14	7,388	\$4.4900
UGI Energy Services	Transco Z6NonNY	1-Apr-14	30-Apr-14	300,000	\$4.4088
UGI Energy Services	Transco Zone 4	2-Apr-14	2-Apr-14	9,100	\$4.3700
UGI Energy Services	Storage Refill	1-Apr-14	30-Apr-14	751,493	\$4.5990
<b>May-14</b>					
UGI Energy Services	Tetco Zone M3	1-May-14	31-May-14	124,000	\$4.0662
UGI Energy Services	Transco Z6NonNY	1-May-14	31-May-14	186,000	\$4.0662
UGI Energy Services	Columbia A06 Pool	3-May-14	5-May-14	29,763	\$4.5200
UGI Energy Services	Columbia A06 Pool	6-May-14	6-May-14	6,131	\$4.5450
UGI Energy Services	Storage Refill	1-May-14	31-May-14	751,493	\$4.8172
<b>June-14</b>					
UGI Central Penn	Tennessee Z4 Delivered	5-Jun-14	5-Jun-14	800	\$3.3500
UGI Central Penn	Tennessee Z4 Delivered	6-Jun-14	6-Jun-14	1,000	\$3.3000
UGI Central Penn	Tennessee Z4 Delivered	10-Jun-14	10-Jun-14	1,300	\$3.2500
UGI Central Penn	Tennessee Z4 Delivered	11-Jun-14	11-Jun-14	1,341	\$3.1000
UGI Energy Services	Storage Refill	1-Jun-14	30-Jun-14	751,493	\$4.6352
<b>July-14</b>					
UGI Central Penn	Egan Storage	4-Jul-14	7-Jul-14	10,856	\$4.2384
UGI Energy Services	Storage Refill	1-Jul-14	31-Jul-14	751,493	\$4.4088
UGI Penn Natural	Egan Storage	4-Jul-14	7-Jul-14	36,072	\$4.2384
UGI Penn Natural	Egan Storage	12-Jul-14	14-Jul-14	27,225	\$4.0624
<b>August-14</b>					
UGI Penn Natural	Egan Storage	22-Aug	22-Aug	9,288	\$3.8982
UGI Energy Services	Storage Refill	1-Aug	31-Aug	751,493	\$3.7966
<b>September-14</b>					
UGI Central Penn	Columbia Delivered	3-Sep-14	3-Sep-14	3,986	\$2.8600
UGI Central Penn	Egan Storage	6-Sep-14	8-Sep-14	8,271	\$3.8052
UGI Central Penn	Columbia Delivered	9-Sep-14	9-Sep-14	3,985	\$2.4700
UGI Central Penn	Columbia Delivered	9-Sep-14	9-Sep-14	4,600	\$2.5250
UGI Central Penn	Columbia Delivered	10-Sep-14	10-Sep-14	8,610	\$2.8300
UGI Central Penn	Columbia Delivered	11-Sep-14	11-Sep-14	3,985	\$3.0150
UGI Central Penn	Egan Storage	13-Sep-14	15-Sep-14	8,271	\$3.7851
UGI Central Penn	Egan Storage	25-Sep-14	25-Sep-14	2,757	\$3.8404
UGI Central Penn	Columbia Delivered	30-Sep-14	30-Sep-14	3,985	\$1.9350
UGI Energy Services	Tetco Zone M3	1-Sep-14	30-Sep-14	75,000	\$1.7949
UGI Energy Services	Storage Refill	1-Sep-14	30-Sep-14	751,493	\$3.9507
UGI Penn Natural	Egan Storage	6-Sep-14	8-Sep-14	27,864	\$3.8052
UGI Penn Natural	Egan Storage	13-Sep-14	15-Sep-14	27,864	\$3.7750
UGI Penn Natural	Egan Storage	25-Sep-14	25-Sep-14	9,288	\$3.8404



<u>AFFILIATE SUPPLIER</u>	<u>PURCHASE POINT</u>	<u>START DATE</u>	<u>END DATE</u>	<u>PURCHASE VOLUME (DTH)</u>	<u>PURCHASE PRICE (\$/DTH)</u>
<b>October-14</b>					
UGI Central Penn	Egan Storage	4-Oct-14	6-Oct-14	8,529	\$3.8758
UGI Central Penn	Egan Storage	7-Oct-14	7-Oct-14	2,843	\$3.8657
UGI Central Penn	Columbia Delivered	7-Oct-14	7-Oct-14	4,138	\$1.8400
UGI Central Penn	Columbia Delivered	8-Oct-14	8-Oct-14	9,138	\$1.8000
UGI Central Penn	Egan Storage	11-Oct-14	13-Oct-14	8,529	\$3.8003
UGI Central Penn	Columbia Delivered	25-Oct-14	27-Oct-14	3,414	\$1.8200
UGI Central Penn	Columbia Delivered	25-Oct-14	27-Oct-14	6,600	\$1.8700
UGI Central Penn	Columbia Delivered	29-Oct-14	29-Oct-14	4,138	\$2.0400
UGI Central Penn	Columbia Delivered	29-Oct-14	29-Oct-14	2,555	\$2.0550
UGI Energy Services	Transco Z6NonNY	1-Oct-14	31-Oct-14	310,000	\$2.1481
UGI Energy Services	Storage Refill	1-Oct-14	31-Oct-14	751,493	\$3.9789
UGI Penn Natural	Egan Storage	4-Oct-14	6-Oct-14	27,864	\$3.8758
UGI Penn Natural	Egan Storage	7-Oct-14	7-Oct-14	9,288	\$3.8657
UGI Penn Natural	Egan Storage	11-Oct-14	13-Oct-14	27,864	\$3.8003
<b>November-14</b>					
UGI Energy Services	Transco Z6NonNY	1-Nov-14	30-Nov-14	300,000	\$2.2415
UGI Energy Services	Columbia Delivered	19-Nov-14	19-Nov-14	8,526	\$5.5000
UGI Energy Services	Columbia Delivered	20-Nov-14	20-Nov-14	1,377	\$4.4250
UGI Energy Services	Columbia Delivered	21-Nov-14	21-Nov-14	2,542	\$4.5950
<b>December-14</b>					
UGI Energy Services	Transco Z6NonNY	1-Dec-14	31-Dec-14	310,000	\$3.4501
UGI Energy Services	Columbia Delivered	11-Dec-14	11-Dec-14	12,730	\$4.2800
UGI Energy Services	Columbia Delivered	12-Dec-14	12-Dec-14	12,730	\$3.7350
UGI Energy Services	Columbia Delivered	13-Dec-14	15-Dec-14	6,000	\$3.6000
UGI Energy Services	Tetco Zone M3	20-Dec-14	22-Dec-14	33,000	\$2.2850
UGI Energy Services	Tetco Zone M3	23-Dec-14	23-Dec-14	18,435	\$1.4550
UGI Energy Services	Tetco Zone M3	25-Dec-14	29-Dec-14	92,175	\$1.2250
UGI Energy Services	Tetco Zone M3	30-Dec-14	30-Dec-14	18,435	\$2.3850
UGI Penn Natural	Columbia Delivered	31-Dec-14	31-Dec-14	4,719	\$2.2100
<b>January-15</b>					
UGI Central Penn	Columbia Delivered	3-Jan-15	5-Jan-15	6,243	\$1.7500
UGI Central Penn	Tetco Zone M3	6-Jan-15	6-Jan-15	5,000	\$1.8152
UGI Central Penn	Tetco Zone M3	7-Jan-15	7-Jan-15	3,000	\$2.0480
UGI Central Penn	Transco Z6NonNY	8-Jan-15	8-Jan-15	5,500	\$11.8500
UGI Central Penn	Tetco Zone M3	8-Jan-15	8-Jan-15	9,000	\$2.4256
UGI Central Penn	Transco Z6NonNY	9-Jan-15	9-Jan-15	8,500	\$8.0000
UGI Central Penn	Tetco Zone M3	9-Jan-15	9-Jan-15	9,204	\$2.7972
UGI Central Penn	Transco Z6NonNY	10-Jan-15	12-Jan-15	23,814	\$4.5000
UGI Central Penn	Transco Z6NonNY	13-Jan-15	13-Jan-15	9,900	\$5.0500
UGI Central Penn	Transco Z6NonNY	14-Jan-15	14-Jan-15	9,940	\$3.2000
UGI Central Penn	Transco Z6NonNY	15-Jan-15	15-Jan-15	9,940	\$4.0000
UGI Central Penn	Transco Z6NonNY	17-Jan-15	20-Jan-15	39,760	\$3.2500
UGI Central Penn	Columbia Delivered	21-Jan-15	21-Jan-15	2,155	\$3.0500

<b>AFFILIATE SUPPLIER</b>	<b>PURCHASE POINT</b>	<b>START DATE</b>	<b>END DATE</b>	<b>PURCHASE VOLUME (OTH)</b>	<b>PURCHASE PRICE (\$/DTH)</b>
UGI Central Penn	Columbia Delivered	22-Jan-15	22-Jan-15	2,155	\$3.1000
UGI Central Penn	Columbia Delivered	23-Jan-15	23-Jan-15	2,155	\$2.9300
UGI Central Penn	Transco Z6NonNY	23-Jan-15	23-Jan-15	8,869	\$3.2500
UGI Central Penn	Transco Z6NonNY	27-Jan-15	27-Jan-15	7,505	\$7.0000
UGI Central Penn	Transco Z6NonNY	28-Jan-15	28-Jan-15	6,505	\$7.5000
UGI Central Penn	Transco Z6NonNY	29-Jan-15	29-Jan-15	9,940	\$3.5000
UGI Energy Services	Transco Z6NonNY	1-Jan-15	31-Jan-15	310,000	\$2.1942
UGI Energy Services	Tetco Zone M3	1-Jan-15	31-Jan-15	28	\$3.7082
UGI Energy Services	Tetco Zone M3	1-Jan-15	2-Jan-15	36,646	\$1.8200
UGI Energy Services	Tetco Zone M3	3-Jan-15	5-Jan-15	55,302	\$1.9650
UGI Energy Services	Columbia Delivered	5-Jan-15	5-Jan-15	20,370	\$4.5000
UGI Energy Services	Columbia Delivered	6-Jan-15	6-Jan-15	13,879	\$5.8500
UGI Energy Services	Columbia Delivered	6-Jan-15	6-Jan-15	26,000	\$5.8500
UGI Energy Services	Tetco Zone M3	6-Jan-15	6-Jan-15	20,458	\$8.7580
UGI Energy Services	Transco Z6NonNY	7-Jan-15	31-Jan-15	63,000	\$3.0095
UGI Energy Services	Columbia Delivered	7-Jan-15	7-Jan-15	34,042	\$12.8000
UGI Energy Services	Columbia Delivered	7-Jan-15	7-Jan-15	31,249	\$11.0000
UGI Energy Services	Tetco Zone M3	7-Jan-15	7-Jan-15	40,916	\$12.6700
UGI Energy Services	Tetco Zone M3	7-Jan-15	7-Jan-15	2,046	\$12.6700
UGI Energy Services	Tetco Zone M3	7-Jan-15	7-Jan-15	7,884	\$13.6500
UGI Energy Services	Tetco Zone M3	7-Jan-15	7-Jan-15	1,432	\$15.1100
UGI Energy Services	Columbia Delivered	7-Jan-15	7-Jan-15	32,531	\$12.8000
UGI Energy Services	Tetco Zone M3	8-Jan-15	8-Jan-15	10,229	\$11.5000
UGI Energy Services	Columbia Delivered	8-Jan-15	8-Jan-15	8,374	\$10.9250
UGI Energy Services	Columbia Delivered	8-Jan-15	8-Jan-15	87,928	\$10.0000
UGI Energy Services	Columbia Delivered	8-Jan-15	8-Jan-15	9,848	\$13.0000
UGI Energy Services	Columbia Delivered	9-Jan-15	9-Jan-15	5,374	\$6.5600
UGI Energy Services	Columbia Delivered	9-Jan-15	9-Jan-15	50,757	\$6.5600
UGI Energy Services	Columbia Delivered	9-Jan-15	9-Jan-15	60,956	\$6.5600
UGI Energy Services	Columbia Delivered	10-Jan-15	12-Jan-15	3,000	\$5.4200
UGI Energy Services	Columbia Delivered	10-Jan-15	12-Jan-15	11,817	\$5.4200
UGI Energy Services	Columbia Delivered	10-Jan-15	12-Jan-15	113,413	\$5.4200
UGI Energy Services	Columbia Delivered	13-Jan-15	13-Jan-15	8,939	\$4.3500
UGI Energy Services	Columbia Delivered	14-Jan-15	14-Jan-15	3,939	\$4.1750
UGI Energy Services	Columbia Delivered	14-Jan-15	14-Jan-15	21,557	\$4.1750
UGI Energy Services	Columbia Delivered	15-Jan-15	15-Jan-15	3,939	\$3.9250
UGI Energy Services	Columbia Delivered	15-Jan-15	15-Jan-15	16,222	\$3.9250
UGI Energy Services	Columbia Delivered	16-Jan-15	16-Jan-15	20,100	\$5.1600
UGI Energy Services	Columbia Delivered	16-Jan-15	16-Jan-15	18,553	\$5.1600
UGI Energy Services	Columbia Delivered	16-Jan-15	16-Jan-15	3,939	\$5.1600
UGI Energy Services	Columbia Delivered	17-Jan-15	20-Jan-15	15,756	\$3.4600
UGI Energy Services	Columbia Delivered	17-Jan-15	20-Jan-15	128,000	\$3.4600
UGI Energy Services	Columbia Delivered	17-Jan-15	20-Jan-15	80,265	\$3.4600
UGI Energy Services	Columbia Delivered	21-Jan-15	21-Jan-15	3,939	\$3.1250
UGI Energy Services	Columbia Delivered	21-Jan-15	21-Jan-15	35,000	\$3.1250
UGI Energy Services	Columbia Delivered	21-Jan-15	21-Jan-15	930	\$3.1250
UGI Energy Services	Columbia Delivered	22-Jan-15	22-Jan-15	3,937	\$2.7800
UGI Energy Services	Columbia Delivered	22-Jan-15	22-Jan-15	45,000	\$2.7800

<u>AFFILIATE SUPPLIER</u>	<u>PURCHASE POINT</u>	<u>START DATE</u>	<u>END DATE</u>	<u>PURCHASE VOLUME (DTH)</u>	<u>PURCHASE PRICE (\$/DTH)</u>
UGI Energy Services	Columbia Delivered	23-Jan-15	23-Jan-15	3,939	\$2.8050
UGI Energy Services	Columbia Delivered	23-Jan-15	23-Jan-15	30,000	\$2.8050
UGI Energy Services	Columbia Delivered	23-Jan-15	23-Jan-15	12,541	\$2.8050
UGI Energy Services	Columbia Delivered	24-Jan-15	26-Jan-15	24,474	\$4.5450
UGI Energy Services	Columbia Delivered	24-Jan-15	26-Jan-15	49,800	\$4.5450
UGI Energy Services	Columbia Delivered	26-Jan-15	26-Jan-15	1,800	\$4.5450
UGI Energy Services	Columbia Delivered	26-Jan-15	26-Jan-15	20,970	\$4.5450
UGI Energy Services	Columbia Delivered	27-Jan-15	27-Jan-15	6,374	\$7.3000
UGI Energy Services	Columbia Delivered	27-Jan-15	27-Jan-15	76,000	\$7.3000
UGI Energy Services	Columbia Delivered	27-Jan-15	27-Jan-15	638	\$7.3000
UGI Energy Services	Columbia Delivered	28-Jan-15	28-Jan-15	15,873	\$6.0300
UGI Energy Services	Columbia Delivered	28-Jan-15	28-Jan-15	46,840	\$6.0300
UGI Energy Services	Columbia Delivered	28-Jan-15	28-Jan-15	79	\$6.0300
UGI Energy Services	Columbia Delivered	29-Jan-15	29-Jan-15	3,939	\$3.6950
UGI Energy Services	Columbia Delivered	29-Jan-15	29-Jan-15	40,000	\$3.6950
UGI Energy Services	Columbia Delivered	30-Jan-15	31-Jan-15	18,316	\$4.8450
UGI Energy Services	Columbia Delivered	30-Jan-15	31-Jan-15	40,000	\$4.8450
UGI Penn Natural	Columbia Delivered	3-Jan-15	5-Jan-15	14,157	\$1.7500
UGI Penn Natural	Transco Z6NonNY	8-Jan-15	8-Jan-15	2,000	\$11.8500
UGI Penn Natural	Transco Z6NonNY	9-Jan-15	9-Jan-15	3,001	\$8.0000
UGI Penn Natural	Transco Z6NonNY	10-Jan-15	12-Jan-15	37,896	\$4.5000
UGI Penn Natural	Transco Z6NonNY	14-Jan-15	14-Jan-15	12,632	\$3.2000
UGI Penn Natural	Transco Z6NonNY	15-Jan-15	15-Jan-15	12,632	\$4.0000
UGI Penn Natural	Transco Z6NonNY	17-Jan-15	20-Jan-15	50,528	\$3.2500
UGI Penn Natural	Columbia Delivered	17-Jan-15	20-Jan-15	17,676	\$3.0500
UGI Penn Natural	Columbia Delivered	21-Jan-15	21-Jan-15	4,719	\$3.0500
UGI Penn Natural	Transco Z6NonNY	21-Jan-15	21-Jan-15	10,000	\$3.2000
UGI Penn Natural	Columbia Delivered	22-Jan-15	22-Jan-15	4,719	\$3.1000
UGI Penn Natural	Columbia Delivered	23-Jan-15	23-Jan-15	4,719	\$2.9300
UGI Penn Natural	Transco Z6NonNY	23-Jan-15	23-Jan-15	12,632	\$3.2500
UGI Penn Natural	Transco Z6NonNY	27-Jan-15	27-Jan-15	12,632	\$7.0000
UGI Penn Natural	Transco Z6NonNY	28-Jan-15	28-Jan-15	12,632	\$7.5000
UGI Penn Natural	Transco Z6NonNY	29-Jan-15	29-Jan-15	12,632	\$3.5000
UGI Penn Natural	Columbia Delivered	29-Jan-15	29-Jan-15	4,019	\$3.5000
<b>February-15</b>					
UGI Central Penn	Tetco Zone M3	2-Feb-15	2-Feb-15	8,068	\$2.6687
UGI Central Penn	Transco Z6NonNY	3-Feb-15	3-Feb-15	9,476	\$5.0000
UGI Central Penn	Columbia Delivered	3-Feb-15	3-Feb-15	2,140	\$3.7500
UGI Central Penn	Tetco Zone M3	3-Feb-15	3-Feb-15	3,000	\$2.5891
UGI Central Penn	Columbia Delivered	4-Feb-15	4-Feb-15	2,140	\$3.0500
UGI Central Penn	Transco Z6NonNY	4-Feb-15	4-Feb-15	10,911	\$3.1000
UGI Central Penn	Tetco Zone M3	5-Feb-15	5-Feb-15	7,000	\$2.7961
UGI Central Penn	Transco Z6NonNY	6-Feb-15	6-Feb-15	10,911	\$4.2000
UGI Central Penn	Columbia Delivered	7-Feb-15	9-Feb-15	12,420	\$2.3200
UGI Central Penn	Columbia Delivered	10-Feb-15	10-Feb-15	4,140	\$3.0500
UGI Central Penn	Transco Z6NonNY	10-Feb-15	10-Feb-15	5,750	\$2.9000
UGI Central Penn	Columbia Delivered	11-Feb-15	11-Feb-15	4,140	\$3.1000

<u>AFFILIATE SUPPLIER</u>	<u>PURCHASE POINT</u>	<u>START DATE</u>	<u>END DATE</u>	<u>PURCHASE VOLUME (DTH)</u>	<u>PURCHASE PRICE (\$/DTH)</u>
UGI Central Penn	Transco Z6NonNY	11-Feb-15	11-Feb-15	10,911	\$3.4000
UGI Central Penn	Tetco Zone M3	12-Feb-15	12-Feb-15	3,069	\$3.0632
UGI Central Penn	Tetco Zone M3	13-Feb-15	13-Feb-15	7,160	\$3.0735
UGI Central Penn	Tetco Zone M3	14-Feb-15	14-Feb-15	8,183	\$2.8815
UGI Central Penn	Tetco Zone M3	15-Feb-15	15-Feb-15	5,115	\$2.8815
UGI Central Penn	Tetco Zone M3	15-Feb-15	15-Feb-15	5,115	\$2.8815
UGI Central Penn	Tetco Zone M3	16-Feb-15	16-Feb-15	8,183	\$2.8815
UGI Central Penn	Tetco Zone M3	17-Feb-15	17-Feb-15	8,183	\$2.8815
UGI Central Penn	Tetco Zone M3	19-Feb-15	19-Feb-15	2,046	\$3.4108
UGI Central Penn	Tetco Zone M3	23-Feb-15	23-Feb-15	2,046	\$3.1410
UGI Central Penn	Tetco Zone M3	26-Feb-15	26-Feb-15	3,069	\$3.3849
UGI Central Penn	Tetco Zone M3	27-Feb-15	27-Feb-15	3,069	\$3.0220
UGI Central Penn	Tetco Zone M3	28-Feb-15	28-Feb-15	8,183	\$3.0220
UGI Central Penn	Tetco Zone M3	28-Feb-15	28-Feb-15	1,023	\$3.0220
UGI Energy Services	Transco Z6NonNY	1-Feb-15	28-Feb-15	280,000	\$2.1083
UGI Energy Services	Transco Z6NonNY	1-Feb-15	28-Feb-15	140,000	\$2.9632
UGI Energy Services	Columbia Delivered	1-Feb-15	28-Feb-15	413,308	\$4.8660
UGI Energy Services	Tetco Zone M3	1-Feb-15	28-Feb-15	55,506	\$3.3326
UGI Energy Services	Transco Z6NonNY	1-Feb-15	28-Feb-15	12,024	\$2.9170
UGI Energy Services	Transco Z6NonNY	1-Feb-15	28-Feb-15	38,790	\$2.9559
UGI Energy Services	Transco Z6NonNY	1-Feb-15	28-Feb-15	52,379	\$2.9032
UGI Energy Services	Columbia Delivered	1-Feb-15	2-Feb-15	70,770	\$7.7700
UGI Energy Services	Columbia Delivered	1-Feb-15	2-Feb-15	2,034	\$7.7700
UGI Energy Services	Columbia Delivered	3-Feb-15	3-Feb-15	4,971	\$4.2150
UGI Energy Services	Columbia Delivered	3-Feb-15	3-Feb-15	8,100	\$4.2150
UGI Energy Services	Columbia Delivered	4-Feb-15	4-Feb-15	40,000	\$3.2350
UGI Energy Services	Columbia Delivered	4-Feb-15	4-Feb-15	3,447	\$3.2350
UGI Energy Services	Columbia Delivered	5-Feb-15	5-Feb-15	27,409	\$6.1800
UGI Energy Services	Columbia Delivered	5-Feb-15	5-Feb-15	51,732	\$6.1800
UGI Energy Services	Columbia Delivered	6-Feb-15	6-Feb-15	3,447	\$4.0250
UGI Energy Services	Columbia Delivered	7-Feb-15	9-Feb-15	23,550	\$2.4300
UGI Energy Services	Columbia Delivered	7-Feb-15	9-Feb-15	10,341	\$2.4300
UGI Energy Services	Columbia Delivered	10-Feb-15	10-Feb-15	3,447	\$2.9850
UGI Energy Services	Columbia Delivered	10-Feb-15	10-Feb-15	24,154	\$3.7500
UGI Energy Services	Columbia Delivered	11-Feb-15	11-Feb-15	3,447	\$4.1300
UGI Energy Services	Columbia Delivered	12-Feb-15	12-Feb-15	62,460	\$8.3550
UGI Energy Services	Columbia Delivered	12-Feb-15	12-Feb-15	5,382	\$8.3550
UGI Energy Services	Columbia Delivered	12-Feb-15	12-Feb-15	24,550	\$8.3550
UGI Energy Services	Columbia Delivered	13-Feb-15	13-Feb-15	5,382	\$9.4250
UGI Energy Services	Columbia Delivered	13-Feb-15	13-Feb-15	33,157	\$9.4250
UGI Energy Services	Columbia Delivered	14-Feb-15	17-Feb-15	71,524	\$16.1250
UGI Energy Services	Columbia Delivered	14-Feb-15	17-Feb-15	19,228	\$12.6500
UGI Energy Services	Columbia Delivered	14-Feb-15	17-Feb-15	77,128	\$16.1250
UGI Energy Services	Columbia Delivered	15-Feb-15	15-Feb-15	691	\$2.9472
UGI Energy Services	Columbia Delivered	15-Feb-15	15-Feb-15	1,911	\$2.8664
UGI Energy Services	Columbia Delivered	18-Feb-15	18-Feb-15	7,382	\$20.5850
UGI Energy Services	Columbia Delivered	18-Feb-15	18-Feb-15	12,785	\$20.5850
UGI Energy Services	Columbia Delivered	19-Feb-15	19-Feb-15	15,881	\$21.0850

<u>AFFILIATE SUPPLIER</u>	<u>PURCHASE POINT</u>	<u>START DATE</u>	<u>END DATE</u>	<u>PURCHASE VOLUME (DTH)</u>	<u>PURCHASE PRICE (\$/DTH)</u>
UGI Energy Services	Tetco Zone M3	19-Feb-15	19-Feb-15	5,887	\$3.1854
UGI Energy Services	Columbia Delivered	20-Feb-15	20-Feb-15	15,881	\$17.0200
UGI Energy Services	Columbia Delivered	20-Feb-15	20-Feb-15	10,630	\$17.0200
UGI Energy Services	Columbia Delivered	21-Feb-15	23-Feb-15	35,838	\$12.3850
UGI Energy Services	Columbia Delivered	23-Feb-15	23-Feb-15	9,848	\$12.3850
UGI Energy Services	Columbia Delivered	23-Feb-15	23-Feb-15	11,512	\$12.3850
UGI Energy Services	Columbia Delivered	24-Feb-15	24-Feb-15	11,946	\$18.2850
UGI Energy Services	Columbia Delivered	24-Feb-15	24-Feb-15	15,343	\$18.2850
UGI Energy Services	Columbia Delivered	25-Feb-15	25-Feb-15	11,946	\$11.0450
UGI Energy Services	Columbia Delivered	25-Feb-15	25-Feb-15	2,027	\$11.0450
UGI Energy Services	Columbia Delivered	26-Feb-15	26-Feb-15	3,447	\$20.9600
UGI Energy Services	Columbia Delivered	26-Feb-15	26-Feb-15	5,477	\$20.9600
UGI Energy Services	Columbia Delivered	26-Feb-15	26-Feb-15	45,632	\$20.9600
UGI Energy Services	Columbia Delivered	27-Feb-15	28-Feb-15	12,894	\$13.6850
UGI Energy Services	Columbia Delivered	27-Feb-15	28-Feb-15	106,000	\$13.6850
UGI Penn Natural	Transco Z6NonNY	3-Feb-15	3-Feb-15	12,528	\$5.0000
UGI Penn Natural	Columbia Delivered	4-Feb-15	4-Feb-15	4,519	\$3.0500
UGI Penn Natural	Transco Z6NonNY	4-Feb-15	4-Feb-15	2,528	\$3.1000
UGI Penn Natural	Transco Z6NonNY	6-Feb-15	6-Feb-15	2,528	\$4.2000
UGI Penn Natural	Columbia Delivered	7-Feb-15	9-Feb-15	14,157	\$2.3200
UGI Penn Natural	Columbia Delivered	10-Feb-15	10-Feb-15	4,719	\$3.0500
UGI Penn Natural	Transco Z6NonNY	10-Feb-15	10-Feb-15	5,751	\$2.9000
UGI Penn Natural	Transco Z6NonNY	11-Feb-15	11-Feb-15	12,528	\$3.4000
UGI Penn Natural	Transco Z6NonNY	12-Feb-15	12-Feb-15	6,504	\$7.0000
<b>March-15</b>					
UGI Central Penn	Tetco Zone M3	2-Mar-15	2-Mar-15	3,069	\$2.2172
UGI Central Penn	Tetco Zone M3	3-Mar-15	3-Mar-15	5,115	\$2.7310
UGI Central Penn	Columbia Delivered	4-Mar-15	4-Mar-15	2,600	\$3.0000
UGI Central Penn	Tetco Zone M3	5-Mar-15	5-Mar-15	2,557	\$3.4108
UGI Central Penn	Tetco Zone M3	6-Mar-15	6-Mar-15	5,115	\$3.2499
UGI Energy Services	Transco Z6NonNY	1-Mar-15	31-Mar-15	310,000	\$2.3366
UGI Energy Services	Transco Z6NonNY	1-Mar-15	31-Mar-15	91,000	\$3.0025
UGI Energy Services	Columbia Delivered	1-Mar-15	31-Mar-15	558,000	\$3.5940
UGI Energy Services	Columbia Delivered	1-Mar-15	2-Mar-15	5,514	\$2.7800
UGI Energy Services	Columbia Delivered	1-Mar-15	2-Mar-15	12,024	\$2.2800
UGI Energy Services	Columbia Delivered	1-Mar-15	2-Mar-15	37,976	\$2.2800
UGI Energy Services	Tetco Zone M3	1-Mar-15	2-Mar-15	10,000	\$2.2000
UGI Energy Services	Columbia Delivered	3-Mar-15	3-Mar-15	36,000	\$3.0900
UGI Energy Services	Columbia Delivered	3-Mar-15	3-Mar-15	2,757	\$3.0900
UGI Energy Services	Tetco Zone M3	3-Mar-15	3-Mar-15	6,012	\$2.3200
UGI Energy Services	Tetco Zone M3	3-Mar-15	3-Mar-15	7,769	\$2.3200
UGI Energy Services	Tetco Zone M3	3-Mar-15	3-Mar-15	6,219	\$2.3200
UGI Energy Services	Tetco Zone M3	3-Mar-15	3-Mar-15	10,000	\$2.3200
UGI Energy Services	Columbia Delivered	4-Mar-15	4-Mar-15	2,757	\$3.0200
UGI Energy Services	Columbia Delivered	4-Mar-15	4-Mar-15	19,000	\$3.0200
UGI Energy Services	Transco Z6NonNY	5-Mar-15	31-Mar-15	47,900	\$3.3651
UGI Energy Services	Columbia Delivered	5-Mar-15	5-Mar-15	7,701	\$9.5200

<b>AFFILIATE SUPPLIER</b>	<b>PURCHASE POINT</b>	<b>START DATE</b>	<b>END DATE</b>	<b>PURCHASE VOLUME (DTH)</b>	<b>PURCHASE PRICE (\$/DTH)</b>
UGI Energy Services	Columbia Delivered	5-Mar-15	5-Mar-15	18,500	\$9.5200
UGI Energy Services	Tetco Zone M3	5-Mar-15	5-Mar-15	14,934	\$3.5506
UGI Energy Services	Transco Z6NonNY	5-Mar-15	5-Mar-15	8,091	\$3.3587
UGI Energy Services	Columbia Delivered	6-Mar-15	6-Mar-15	6,201	\$12.6150
UGI Energy Services	Columbia Delivered	6-Mar-15	6-Mar-15	7,100	\$12.6150
UGI Energy Services	Tetco Zone M3	6-Mar-15	6-Mar-15	29,252	\$3.3865
UGI Energy Services	Transco Z6NonNY	6-Mar-15	6-Mar-15	1,000	\$3.3865
UGI Energy Services	Columbia Delivered	7-Mar-15	9-Mar-15	8,271	\$2.9050
UGI Energy Services	Columbia Delivered	7-Mar-15	7-Mar-15	10,229	\$2.9050
UGI Energy Services	Columbia Delivered	10-Mar-15	10-Mar-15	2,757	\$1.7600
UGI Energy Services	Columbia Delivered	11-Mar-15	11-Mar-15	2,757	\$1.5650
UGI Energy Services	Columbia Delivered	12-Mar-15	12-Mar-15	2,757	\$1.8350
UGI Energy Services	Columbia Delivered	13-Mar-15	13-Mar-15	2,757	\$1.8050
UGI Energy Services	Columbia Delivered	14-Mar-15	16-Mar-15	8,271	\$1.6350
UGI Energy Services	Columbia Delivered	17-Mar-15	17-Mar-15	2,757	\$2.0100
UGI Energy Services	Columbia Delivered	18-Mar-15	18-Mar-15	2,757	\$2.5300
UGI Energy Services	Columbia Delivered	19-Mar-15	19-Mar-15	2,757	\$2.3350
UGI Energy Services	Columbia Delivered	20-Mar-15	20-Mar-15	2,757	\$2.3250
UGI Energy Services	Columbia Delivered	21-Mar-15	23-Mar-15	8,271	\$2.4800
UGI Energy Services	Tetco Zone M3	21-Mar-15	23-Mar-15	103,500	\$3.0319
UGI Energy Services	Tetco Zone M3	21-Mar-15	23-Mar-15	60,000	\$3.0319
UGI Energy Services	Columbia Delivered	21-Mar-15	23-Mar-15	60,000	\$3.0319
UGI Energy Services	Columbia Delivered	24-Mar-15	24-Mar-15	2,757	\$2.5350
UGI Energy Services	Columbia Delivered	24-Mar-15	24-Mar-15	34,500	\$2.8837
UGI Energy Services	Columbia Delivered	24-Mar-15	24-Mar-15	5,500	\$2.8837
UGI Energy Services	Tetco Zone M3	24-Mar-15	24-Mar-15	24,836	\$2.8837
UGI Energy Services	Tetco Zone M3	25-Mar-15	25-Mar-15	14,920	\$2.0000
UGI Energy Services	Columbia Delivered	25-Mar-15	25-Mar-15	2,757	\$2.0000
UGI Energy Services	Tetco Zone M3	26-Mar-15	26-Mar-15	18,000	\$1.7150
UGI Energy Services	Columbia Delivered	26-Mar-15	26-Mar-15	2,757	\$1.7150
UGI Energy Services	Columbia Delivered	27-Mar-15	27-Mar-15	2,757	\$2.3400
UGI Energy Services	Tetco Zone M3	27-Mar-15	27-Mar-15	18,435	\$2.3400
UGI Energy Services	Tetco Zone M3	28-Mar-15	30-Mar-15	55,305	\$2.2450
UGI Energy Services	Columbia Delivered	28-Mar-15	30-Mar-15	15,603	\$2.2450
UGI Energy Services	Tetco Zone M3	31-Mar-15	31-Mar-15	18,435	\$2.3500
UGI Energy Services	Columbia Delivered	31-Mar-15	31-Mar-15	2,757	\$2.3500

UGI UTILITIES, INC. - GAS DIVISION  
6/1/15 SECTION 1307(f) FILING

SECTION 14 [66 PA Code §13.17(3)]RELIABILITY PLANS

As part of its filing under section 1307(f) or if it is not required to make such a filing on an annual basis, a natural gas distribution company, as defined in section 2202 (relating to definitions), shall file a proposed reliability plan with the commission which shall, at a minimum, identify the following:

- (1) The projected peak day and seasonal requirements of the firm customers utilizing the distribution system of the natural gas distribution company during the 12-month projected period specified in section 1307(f) (1). Where operationally required, the design peak day requirements shall be specified for discrete segments of each natural gas distribution system.
- (2) The transportation capacity, storage, peaking or on system production that ensures deliverability of the natural gas supplies necessary to meet such projected period peak day and seasonal requirements.

RESPONSE:

**Peak Day Balances**

UGI's Design Firm Peak Day Requirements are presented in Section 11.

Attachment 14-1 details the transportation, delivered supplies, storage and peaking to meet peak day requirements. Attachment 14-2 is a load duration curve for the upcoming winter which illustrates the firm design seasonal demand requirements and the corresponding transportation capacity, delivered supplies, storage and peaking needed to meet such requirements.

Seasonal requirements for the 12-month projected period, including transportation capacity, delivered supplies, storage and peaking, are presented in Attachments 1-B-1 and 1-B-2. These capacities correspond to the peak day capacities shown on Attachment 14-1.

The peak day capacities shown on Attachment 14-1 include those related to choice customers on the UGI system.

**UGI Utilities, Inc.**  
**Peak Day Capacity Requirements and Supply Options**  
**(Dth/D)**

<b>Supplier/Pipeline</b>	<b>Upstream Pipeline</b>	<b>Rate Schedule</b>	<b>2015-2016 (Projected)</b>
Columbia		SST / FSS	114,649
Columbia		FTS/FTS-1	75,650
Columbia	ANR	FTS/FTS-1	28,020
Columbia	ANR	FTS/FSS	5,000
Columbia Release from UGI PNG			1,300
Texas Eastern		FT-1	83,475
Texas Eastern		CDS	66,000
Texas Eastern	ANR	FT-1/FSS	10,000
Texas Eastern	ANR	FT-1/FSS	31,713
Texas Eastern	ANR	CDS/FTS-1	10,000
Texas Eastern	Dominion	FTS-5/GSSII	6,667
Texas Eastern	Dominion	FTS-7/GSS	5,880
Transco		FT	14,153
Transco		FIF/FT	22,770
Transco		SS-2	7,245
Transco		GSS	1,744
Transco		PS-FT	1,346
Transco Sentinel Release			(7,000)
Transco from UGI PNG			Delivered Supply 7,000
UGI Energy Services			Delivered Supply 10,000
UGI Energy Services			Peaking Services 152,394
TBD			Delivered Supply 56,993
<b>Subtotal</b>			<b>704,999</b>
<b>Third Party Capacity - Large Customers</b>			<b>60,973</b>
<b>Total Firm Capacity</b>			<b>765,972</b>

PGC Requirements	476,682
CHOICE Requirements	123,932
<b>Subtotal</b>	<b>600,614</b>
<b>Firm Transportation Requirements</b>	<b>165,358</b>
<b>Total Requirements</b>	<b>765,972</b>



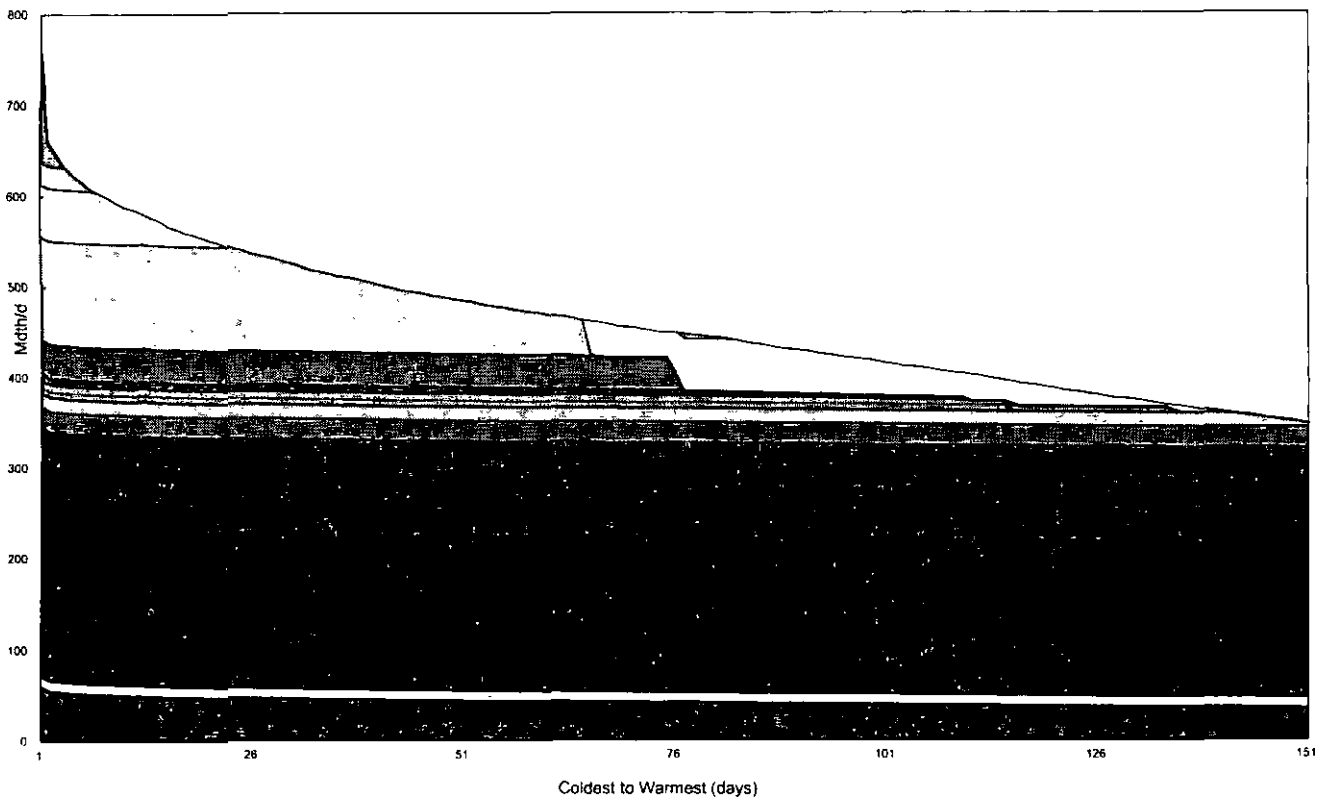
**Load Duration Analysis**  
 Firm Equation Under Design Conditions for the Winter of 2015-2016  
 UGI Utilities, Inc.

HAZ	PRIM	Total Demand	3rd Party FT	QUES Del. Supply 10,000	TETCO FT 10,000	Consumers FT	Trancon FT	Trancon FT	Trancon FT	Domestic FTS-7 8,800	Trancon FTS-2 7,345	Domestic FTS-8 6,847	Trancon FTS-8 26,213	AMR FTS 114,648	Columbia FTS 114,648	Dalhousie Supply 58,993	Peaking I 25,000	Peaking II 10,887	Peaking III 21,887	
1	2.00	3.50	783.917	60.973	10.000	168.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	58.993	25.000	10.887	21.887
2	7.53	5.94	660.681	56.126	10.000	168.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	58.993	25.000	26.950	0.000
3	0.22	7.60	645.981	55.154	10.000	168.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	58.993	23.000	12.603	0.000
4	1.65	9.52	632.398	54.308	10.000	168.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	58.993	25.000	0.496	0.000
5	3.48	10.66	622.251	53.730	10.000	168.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	58.993	16.816	0.000	0.000
6	3.00	11.57	615.917	53.265	10.000	168.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	58.993	10.044	0.000	0.000
7	2.51	12.08	607.360	52.702	10.000	168.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	58.993	2.553	0.000	0.000
8	6.41	13.24	602.615	52.401	10.000	168.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	58.993	0.000	0.000	0.000
9	7.47	13.78	596.268	52.139	10.000	168.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	58.993	0.000	0.000	0.000
10	8.18	14.58	592.428	51.751	10.000	168.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	58.993	0.000	0.000	0.000
11	8.64	15.16	587.757	51.448	10.000	168.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	58.993	0.000	0.000	0.000
12	9.09	15.45	585.437	51.298	10.000	168.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	58.993	0.000	0.000	0.000
13	9.64	15.88	581.218	51.027	10.000	168.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	58.993	0.000	0.000	0.000
14	10.08	16.57	576.588	50.751	10.000	168.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	58.993	0.000	0.000	0.000
15	10.67	16.98	573.231	50.516	10.000	168.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	58.993	0.000	0.000	0.000
16	11.44	17.73	567.308	50.127	10.000	168.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	58.993	0.000	0.000	0.000
17	11.99	18.14	564.243	49.832	10.000	168.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	58.993	0.000	0.000	0.000
18	12.35	18.71	558.821	49.562	10.000	168.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	58.993	0.000	0.000	0.000
19	12.85	19.85	557.852	49.152	10.000	168.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	58.993	0.000	0.000	0.000
20	13.18	19.21	554.203	49.335	10.000	168.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	58.993	0.000	0.000	0.000
21	13.24	19.67	551.205	49.040	10.000	168.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	58.993	0.000	0.000	0.000
22	13.78	20.10	548.882	48.834	10.000	168.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	58.993	0.000	0.000	0.000
23	14.19	20.52	544.870	48.673	10.000	168.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	58.993	0.000	0.000	0.000
24	14.71	20.98	541.960	48.498	10.000	168.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	58.993	0.000	0.000	0.000
25	15.00	21.24	538.034	48.257	10.000	168.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	58.993	0.000	0.000	0.000
26	15.39	21.71	534.286	48.110	10.000	168.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	58.993	0.000	0.000	0.000
27	15.70	21.36	534.325	47.984	10.000	168.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	58.993	0.000	0.000	0.000
28	16.14	22.13	532.841	47.823	10.000	168.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	58.993	0.000	0.000	0.000
29	16.48	22.49	530.961	47.723	10.000	168.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	58.993	0.000	0.000	0.000
30	16.88	23.84	527.301	47.545	10.000	168.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	58.993	0.000	0.000	0.000
31	17.13	23.13	524.940	47.398	10.000	168.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	58.993	0.000	0.000	0.000
32	17.58	23.03	518.946	46.939	10.000	168.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	58.993	0.000	0.000	0.000
33	17.97	24.23	516.482	46.839	10.000	168.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	58.993	0.000	0.000	0.000
34	18.10	24.52	514.212	46.668	10.000	168.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	58.993	0.000	0.000	0.000
35	18.43	24.86	511.588	46.519	10.000	168.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	58.993	0.000	0.000	0.000
36	18.81	24.99	510.448	46.454	10.000	168.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	58.993	0.000	0.000	0.000
37	19.24	25.14	509.205	46.377	10.000	168.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	58.993	0.000	0.000	0.000
38	19.35	25.38	504.456	46.382	10.000	168.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	58.993	0.000	0.000	0.000
39	19.83	26.12	501.628	45.874	10.000	168.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	58.993	0.000	0.000	0.000
40	20.18	26.38	496.667	45.753	10.000	168.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	58.993	0.000	0.000	0.000
41	20.30	26.85	497.443	45.806	10.000	168.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	58.993	0.000	0.000	0.000
42	20.91	26.99	494.825	45.435	10.000	168.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	58.993	0.000	0.000	0.000
43	20.92	27.08	493.963	45.383	10.000	168.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	58.993	0.000	0.000	0.000
44	21.03	27.36	492.675	45.298	10.000	168.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	58.993	0.000	0.000	0.000
45	21.53	27.96	490.244	45.145	10.000	168.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	58.993	0.000	0.000	0.000
46	21.67	27.75	488.759	45.048	10.000	168.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	58.993	0.000	0.000	0.000
47	21.90	27.94	487.268	44.954	10.000	168.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	58.993	0.000	0.000	0.000
48	22.14	28.18	485.381	44.829	10.000	168.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	58.993	0.000	0.000	0.000
49	22.37	28.32	484.285	44.781	10.000	168.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	58.993	0.000	0.000	0.000
50	22.50	28.50	482.902	44.671	10.000	168.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	58.993	0.000	0.000	0.000
51	23.13	29.01	478.857	44.411	10.000	168.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	58.993	0.000	0.000	0.000
52	23.47	29.13	477.794	44.347	10.000	168.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	58.993	0.000	0.000	0.000
53	23.86	29.33	476.218	44.249	10.000</															

Load Duration Analysis
Firm Equations Under Design Conditions for the Winter of 2015-2016
UGI Utilities, Inc.

Table with columns: HAZ, PRM, Total Demand, Ind Party, UGIES, TETCO, Columbia, Transco, Dominion, Transco, Dominion, Transco, ANR, Columbia, Delivered Supply, Peaking I, Peaking II, Peaking III. Rows 80-157.

**UGI Utilities, Inc.**  
**LOAD DURATION ANALYSIS**  
 Firm Design Conditions for the Winter of 2015-2016



■ 3rd Cap	□ UGIES Del. Supply	■ Telco FT	■ Col FT	■ Tran FTF	■ Tran FT
□ PSFT	■ FTS-7	■ Tran SS-2	■ FTS-5	■ Tran GSS	■ ANR FSS
□ Cor FSS	□ TBD Del. Supply	■ Peaking Svc. I	■ Peaking Svc. II	■ Peaking Svc. III	



**UGI Utilities, Inc.**  
2525 N. 12<sup>th</sup> Street  
Suite 360  
PO Box 12677  
Reading, PA 19612-2677

610-796-3400

**Paul J. Szykman**  
Vice President - Rates & Government Relations  
Vice President & General Manager - Electric Utilities

May 1, 2015

**VIA HAND DELIVERY**

Ms. Rosemary Chiavetta, Secretary  
Pennsylvania Public Utility Commission  
Commonwealth Keystone Building  
400 North Street  
Harrisburg, PA 17120

**Re: UGI Utilities, Inc. – Gas Division  
Information Filed in Support of Purchased Gas Costs – 2015  
Under 66 PA. C.S. §1307(f) -  
May 1, 2015**

Dear Secretary Chiavetta:

In accordance with the Commission's regulation at 52 Pa. Code §53.64(c), UGI Utilities, Inc. – Gas Division ("UGI") has enclosed the preliminary supporting information for its 2015 Purchased Gas Cost Filing. UGI's proposed purchased gas cost tariff and all required supporting information, including direct testimony, will be submitted June 1, 2015.

Copies of this document have been served upon the persons indicated on the attached Certificate of Service.

UGI shall commence advance public notice fifteen days prior to the submission of its Purchased Gas Cost Filing to the Commission in accordance with the Commission's Final Order at Docket No. P-850081, entered December 6, 1985.

Any inquiries regarding the information contained in the pre-filing or supporting data should be directed to the attention of Paul J. Szykman at the above address with copies to David B. MacGregor, Esquire, and Mark C. Morrow, Esquire, at the addresses shown below.

Very truly yours,

Paul J. Szykman

Enclosures: Supporting Information  
Extra Copy of Letter for Acknowledgment  
Certificate of Service

cc: Service List

Mark C. Morrow, Esquire  
UGI Corporation  
460 North Gulph Road  
King of Prussia, PA 19406  
[morrowm@ugicorp.com](mailto:morrowm@ugicorp.com)

David B. MacGregor, Esquire  
Post & Schell, P.C.  
Four Penn Center  
1600 John F. Kennedy Blvd.  
Philadelphia, PA 19103-2808  
[dmacgregor@postschell.com](mailto:dmacgregor@postschell.com)

**CERTIFICATE OF SERVICE**

I hereby certify that I have, this 1<sup>st</sup> day of May, 2015, served a true and correct copy of the foregoing document in the manner and upon the persons listed below in accordance with requirements of 52 Pa. Code §1.54 (relating to service by a participant):

**VIA HAND DELIVERY:**

Tanya J. McCloskey, Esquire  
Acting Consumer Advocate  
Office Of Consumer Advocate  
555 Walnut Street  
5<sup>th</sup> Floor, Forum Place  
Harrisburg, PA 17101-1921

Pamela C. Polacek, Esq.  
McNees, Wallace & Nurick  
100 Pine Street  
P.O. Box 1166  
Harrisburg, PA 17108-1166

Johnnie E. Simms  
Director and Chief Prosecutor  
Pennsylvania Public Utility Commission  
Bureau of Investigation and Enforcement  
Commonwealth Keystone Building  
400 North Street  
Harrisburg, PA 17120

John R. Evans  
Small Business Advocate  
Office of Small Business Advocate  
Suite 202, Commerce Building  
300 North Second Street  
Harrisburg, PA 17101

  
\_\_\_\_\_  
Paul J. Szykman

Dated: May 1, 2015

INDEX - UGI UTILITIES, INC.

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- SECTION 1 - \$53.64(c)(1) SOURCES OF SUPPLY  
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    C. End-User Transportation Volumes  
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UGI UTILITIES, INC. - GAS DIVISION  
6/1/15 SECTION 1307(f) FILING

SECTION 1 [52 Pa. Code §53.64(c)(1)] SOURCES OF GAS SUPPLY

A complete list in schedule format of each spot and each long term source of gas supply, production, transportation and storage, used in the past 12 months, which 12-month period shall end 2 months prior to the date of the tariff filing, separately setting forth on a monthly basis the quantity and price of gas delivered, produced, transported or stored, maximum daily quantity levels, maximum annual quantity levels, a detailed description of warrantee or penalty provisions, including liquidated damages, take or pay provisions or minimum bill or take provisions of the purchases, balancing provisions and copies of Federal tariffs and contract provisions relating to the purchases--including demand and commodity components. With regard to each contemplated future source of supply, production, transportation or storage, during each of the next 20 months for each source, provide the name of the source, the maximum daily quantity, the maximum annual quantity, the minimum take levels, a detailed description of warrantee or penalty provisions, including liquidated damages, take or pay provisions or minimum bill or take provisions of the purchases, balancing provisions and contractual or tariffed terms of the purchases, copies of applicable Federal tariffs, the expiration date of each contract, the date when each contract was most recently negotiated and the details of the negotiation--such as meeting held, offers made, and changes in contractual obligation--and whether current proceedings, negotiations or renegotiations are pending before the Federal Energy Regulatory Commission, and the like, to modify the price, quantity or another condition of purchase, and if so, the details of the proceedings, negotiations or renegotiations. Gas supply sources which individually represent less than 3% of the total system supply may be shown collectively, such as other local gas purchases.

RESPONSE

PGC Supplies

Section 1-A provides the requested information for the PGC supplies for the historic twelve-month period ending March 31, 2015. Section 1-B addresses the prospective twenty-month period. Section 1-C shows interruptible cost and supplies under Rates IS and IL and End-user Transportation volumes.



UGI UTILITIES, INC. - GAS DIVISION  
6/1/15 SECTION 1307(f) FILING

SECTION 1-A [52 Pa. Code §53.64(c)(1)] SOURCES OF GAS SUPPLY

Provide a complete listing of all sources of gas supply used in the past twelve (12) months, which 12-month period shall end two months prior to the date of the tariff filing, separately setting forth on a monthly basis:

- (1) The quantity and price of gas delivered;
- (2) The details of any take-or-pay provisions or minimum bill provisions;
- (3) The details of the rate designs of the purchases (including demand and commodity percentages).

RESPONSE:

- (1) The quantity, maximum daily quantities, and price of gas delivered for the past twelve (12) months are shown on Attachment 1-A-1.
- (2) UGI Utilities, Inc. ("UGI") has no take-or-pay provisions or minimum bill provisions in any contract.
- (3) Demand and commodity rate design are mostly Straight Fixed Variable. Details of the rate design changes are reflected on the applicable pipeline tariffs.

Details of the historic demand charges and a summary listing of the tariffs are shown on Attachment 1-A-1.

Details of current tariff provisions and currently effective rates can be found by accessing the following websites. The following table provides information about the web address of each pipeline EBB, the company or companies using that website, and the type of information available without an ID and password:

UGI UTILITIES, INC. - GAS DIVISION  
6/1/15 SECTION 1307(f) FILING

**FERC TARIFFS ON PIPELINE SERVING UGI**

**ANR GEMS**

- <http://www.anrpl.com>
- Informational Postings
- Tariff

**COLUMBIA AND COLUMBIA GULF NAVIGATES**

- <http://www.columbiapipeinfo.com>
- Informational Postings
- Tariff
- Columbia or Columbia Gulf

**DOMINION E-SCRIPT**

- <http://escript.dom.com/>
- Dominion Transmission
- Information Postings
- Tariff

**TEXAS EASTERN SPECTRA LINK**

- <http://link.spectraenergy.com/>
- Texas Eastern
- Informational Postings
- Tariff

**TENNESSEE PASKEY**

- <http://webapps.elpaso.com/PortalUI/DefaultKM.aspx?TSP=TGPD>
- Informational Postings
- Tariff

**TRANSCO ILINE**

- <http://www.iline.williams.com/>
- Info Postings
- Tariff



UGI UTILITIES, INC. - GAS DIVISION  
 PGC EXPERIENCED SUPPLY VOLUMES IN (DTH) OR (DTH/D)  
 12 MONTHS ENDED MARCH 31, 2015  
 COMMODITY

	2014 APRIL (DTH)	2014 MAY (DTH)	2014 JUNE (DTH)	2014 JULY (DTH)	2014 AUGUST (DTH)	2014 SEPTEMBER (DTH)	2014 OCTOBER (DTH)	2014 NOVEMBER (DTH)	2014 DECEMBER (DTH)	2015 JANUARY (DTH)	2015 FEBRUARY (DTH)	2015 MARCH (DTH)	TWELVE MONTH TOTAL
PRODUCER PURCHASES	28,413	(176,261)	(77,976)	(112,148)	(59,831)	(229,423)	(112,711)	(494,608)	(974,592)	(1,112,433)	(1,950,255)	(1,538,688)	(6,751,646)
SUPPLIER B	73,232	0	0	290	0	0	0	394,880	274,938	692,877	770,415	400,718	2,607,261
SUPPLIER C	542,283	20,766	30,567	0	15,293	147,901	6,627	487,908	397,812	792,412	910,028	274,899	3,826,413
SUPPLIER D	0	0	0	0	0	0	0	256,680	477,659	0	346,020	0	1,483,339
SUPPLIER E	0	0	0	20,182	0	0	0	706,506	194,083	0	94,611	1,050,444	2,065,836
SUPPLIER F	233,120	162,547	121,020	124,000	152,954	226,583	215,056	94,109	228,710	110,492	446,905	379,812	2,498,088
SUPPLIER G	0	0	0	0	0	17,383	0	493,193	0	530,116	0	200,518	1,241,208
SUPPLIER H	0	0	0	0	0	0	16,172	308,012	276,830	281,241	387,835	275,914	1,546,004
SUPPLIER I	655,699	620,907	580,334	597,527	411,991	486,337	608,002	648,920	652,987	670,830	1,406,609	1,213,682	8,533,825
SUPPLIER J	600,210	605,157	605,157	605,157	605,157	605,157	605,157	0	0	0	0	271	4,231,423
UGI ENERGY SVCS	1,067,981	1,097,387	751,483	751,483	751,483	826,493	1,091,493	312,445	503,505	1,863,267	1,743,437	1,271,693	12,002,380
PEAKING SERVICE - UGI E.S.	0	0	0	0	0	0	0	0	0	28	167,188	479,513	646,729
L.P. BEYOND THE MAIN	4,893	2,206	540	314	153	128	647	3,382	8,111	11,835	15,806	9,485	57,500
STG INJ COLUMBIA FSS	(741,854)	(873,466)	(837,829)	(764,678)	(653,538)	(859,817)	(732,797)	(243,741)	(1,080,241)	(95,792)	(126,673)	(180,473)	(8,990,999)
STG INJ COLUMBIA FSS II	(142,825)	(142,825)	(142,825)	(142,825)	(142,825)	(142,825)	(142,825)	0	0	0	0	0	(969,779)
STG INJ TRANSCO GSS	(14,700)	(15,190)	(15,390)	(15,190)	(15,190)	(14,700)	(14,520)	(477)	0	0	0	0	(105,357)
STG INJ TRANSCO SS-2	(112,820)	(113,983)	(111,060)	(116,374)	(116,374)	(112,819)	(116,368)	0	0	0	0	0	(799,416)
STG INJ DOMINION GSS	(95,238)	(95,238)	(95,238)	(95,238)	(95,238)	(95,238)	(95,238)	0	0	0	0	0	(666,606)
STG INJ DOMINION GSS TE	(112,941)	(112,941)	(112,941)	(112,941)	(112,941)	(112,941)	(112,941)	0	0	0	0	0	(780,587)
STG INJ ANR FSS	(382,031)	(386,978)	(386,978)	(386,978)	(386,978)	(386,978)	(386,978)	0	0	0	0	(14,016)	(2,787,915)
STG INJ EGAN FSS	0	0	0	(102,368)	(10,422)	(97,253)	(127,855)	0	0	0	0	0	(337,918)
STG WDL COLUMBIA FSS	493,497	139,893	185,169	207,103	80,856	98,893	43,490	354,878	1,256,326	1,644,065	1,848,428	938,575	7,071,976
STG WDL COLUMBIA FSS II	0	0	0	0	0	0	0	20,782	1,071,595	0	0	0	1,082,377
STG WDL TRANSCO GSS	0	0	0	0	0	0	0	1,744	39,579	40,852	20,410	0	102,584
STG WDL TRANSCO SS-2	0	0	0	0	0	0	0	7,245	193,511	221,712	194,296	169,971	786,735
STG WDL DOMINION GSS	28,069	0	0	0	0	0	0	8,667	161,880	180,842	158,345	133,650	667,473
STG WDL DOMINION GSS TE	3,790	0	0	0	0	0	0	152,286	153,464	140,185	144,059	159,495	758,289
STG WDL ANR FSS	0	0	0	0	0	0	0	292,055	438,582	826,755	930,546	177,039	2,668,977
STG WDL EGAN FSS	0	0	0	0	0	0	2,344	0	3,212	202,551	144,290	0	352,387
COMMODITY - DTH	2,118,958	721,981	483,963	447,225	394,463	527,961	796,733	3,975,843	4,704,473	6,946,570	7,373,702	5,382,719	33,807,533
PRODUCER PURCHASE - DTH	3,205,831	2,332,709	2,011,155	1,986,734	1,877,110	2,060,539	2,400,443	3,384,404	2,500,144	3,830,663	4,241,569	3,957,059	33,788,360
NET STORAGE - DTH	(1,086,833)	(1,610,728)	(1,527,192)	(1,539,509)	(1,482,647)	(1,533,478)	(1,693,708)	591,239	2,204,329	3,159,907	3,132,133	1,405,660	19,173



UGI UTILITIES, INC. - GAS DIVISION  
 PGC EXPERIENCED UNIT RATES IN \$/DTH  
 12 MONTHS ENDED MARCH 31, 2015  
 COMMODITY

	2014 APRIL (\$/DTH)	2014 MAY (\$/DTH)	2014 JUNE (\$/DTH)	2014 JULY (\$/DTH)	2014 AUGUST (\$/DTH)	2014 SEPTEMBER (\$/DTH)	2014 OCTOBER (\$/DTH)	2014 NOVEMBER (\$/DTH)	2014 DECEMBER (\$/DTH)	2015 JANUARY (\$/DTH)	2015 FEBRUARY (\$/DTH)	2015 MARCH (\$/DTH)	TWELVE MONTH TOTAL
PRODUCER PURCHASES	(2,8629)	2,1772	11,5512	0,6955	0,9258	1,3384	(1,8930)	0,1589	2,5372	6,1188	6,5685	2,7749	4,1421
SUPPLIER B	4,2361	0,0000	0,0000	4,3350	0,0000	0,0000	0,0000	3,4448	3,0334	2,0990	2,5401	2,2652	2,8174
SUPPLIER C	4,2192	3,8750	3,1717	0,0000	2,2100	2,0391	2,0077	3,4558	3,3287	2,5025	2,8100	2,4580	3,0367
SUPPLIER D	0,0000	0,0000	0,0000	0,0000	0,0000	0,0500	0,0000	3,4125	3,1202	0,0000	2,0472	0,0000	2,9211
SUPPLIER E	0,0000	0,0000	0,0000	4,2404	0,0000	0,0000	0,0000	3,5134	2,9728	0,0000	2,9421	1,9963	2,6721
SUPPLIER F	4,3166	3,9901	3,1677	2,9000	2,4123	2,0864	1,9042	4,0879	2,9443	2,3215	2,5638	2,3173	2,7994
SUPPLIER G	0,0000	0,0000	0,0000	0,0000	0,0000	2,3647	0,0000	2,7074	0,0000	1,9600	0,0000	0,0000	2,2870
SUPPLIER H	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	1,9643	3,7822	4,2445	3,1472	2,8989	2,8565	3,3436
SUPPLIER I	2,8980	2,9622	2,5086	2,2865	1,8233	1,9245	1,9208	2,2735	2,5675	1,5756	1,8241	1,7063	2,1375
SUPPLIER J	4,4699	4,6932	4,5086	4,2787	3,6302	3,8422	3,8430	0,0000	0,0000	0,0000	0,0000	3,1697	4,1804
UGI ENERGY SVCS	4,5428	4,5955	4,8352	4,4058	3,7966	3,7550	3,4443	2,3592	2,8943	5,1718	7,7806	3,1879	4,6449
PEAKING SERVICE - UGI E.S	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	3,7082	3,0687	2,9488	2,9798
LP-BEYOND THE MAIN	(4,4282)	196,9955	19,2352	398,0968	(35,2288)	(91,7344)	(9,8980)	(1,3294)	5,9073	7,4845	7,7381	21,3364	17,0856
STG INJ COLUMBIA FSS	4,5684	4,8181	4,2581	4,0726	3,7554	3,7934	3,7141	3,4964	4,1955	2,0987	2,6017	2,2340	4,0199
STG INJ COLUMBIA FSS II	4,4968	4,7122	4,5325	4,3080	3,7047	3,8568	3,8845	0,0000	0,0000	0,0000	0,0000	0,0000	4,2136
STG INJ TRANS CO GSS	2,4365	2,6479	2,4713	2,2521	1,6596	1,8090	1,8361	1,9057	0,0000	0,0000	0,0000	0,0000	2,1608
STG INJ TRANS CO SS-2	2,4560	2,6680	2,4907	2,2716	1,6782	1,8276	1,8429	0,0000	0,0000	0,0000	0,0000	0,0000	2,1749
STG INJ DOMINION GSS	4,0001	4,2214	4,0368	3,8071	3,1861	3,3456	3,3726	0,0000	0,0000	0,0000	0,0000	0,0000	3,7100
STG INJ DOMINION GSS TE	4,0001	4,2214	4,0368	3,8071	3,1861	3,3456	3,3726	0,0000	0,0000	0,0000	0,0000	0,0000	3,7100
STG INJ ANR FSS	4,6912	4,9127	4,7280	4,4981	3,8351	4,0747	4,0617	0,0000	0,0000	0,0000	0,0000	0,0000	4,3778
STG INJ EGAN FSS	0,0000	0,0000	0,0000	4,1930	3,8882	3,7999	3,8438	0,0000	0,0000	0,0000	0,0000	0,0000	4,0870
STG WDL COLUMBIA FSS	4,3317	4,5183	4,5139	4,4217	4,3487	4,2568	4,8076	4,1790	4,1874	4,1484	4,1001	3,9028	4,1583
STG WDL COLUMBIA FSS II	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	4,2952	4,1979	0,0000	0,0000	0,0000	4,1997
STG WDL TRANS CO GSS	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	2,3131	0,0000	2,3133	2,3133	2,3133	2,3133
STG WDL TRANS CO SS-2	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	2,2725	2,2724	2,2728	2,2730	2,2729	2,2729
STG WDL DOMINION GSS	4,1187	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	3,7587	3,7587	3,7586	3,7587	3,7588	3,7738
STG WDL DOMINION GSS TE	4,2541	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	3,8396	3,8394	3,8394	3,8394	3,8395	3,8415
STG WDL ANR FSS	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	4,7000	4,6999	4,6835	4,7056	4,8177	4,8914
STG WDL EGAN FSS	0,0000	0,0000	0,0000	0,0000	0,0000	0,0000	4,2410	0,0000	4,1012	4,2068	4,1629	0,0000	4,1880
COMMODITY COST PER DTH	3,8632	4,4111	1,7482	3,6717	2,4762	2,4172	2,4182	3,7089	3,8434	3,2508	3,3058	2,7376	3,2875
PRODUCER PURCHASE COST PER DTH	4,0352	4,4724	3,6087	3,9070	3,2728	3,3111	3,2540	3,5508	3,2712	2,4974	2,6619	2,2964	3,2352
NET STORAGE COST PER DTH	4,3668	4,4989	4,1992	3,9753	3,4845	3,6183	3,6027	4,8003	4,0658	4,1637	4,1778	3,9741	113,0631

UGI UTILITIES, INC. - GAS DIVISION  
 PGC EXPERIENCED COST OF GAS IN DOLLARS  
 12 MONTHS ENDED MARCH 31, 2015  
 DEMAND

	2014 APRIL (\$'S)	2014 MAY (\$'S)	2014 JUNE (\$'S)	2014 JULY (\$'S)	2014 AUGUST (\$'S)	2014 SEPTEMBER (\$'S)	2014 OCTOBER (\$'S)	2014 NOVEMBER (\$'S)	2014 DECEMBER (\$'S)	2015 JANUARY (\$'S)	2015 FEBRUARY (\$'S)	2015 MARCH (\$'S)	TWELVE MONTH TOTAL
COLUMBIA FTS	548,251	568,390	568,390	568,390	568,390	568,390	568,390	568,390	549,000	549,000	574,291	574,291	6,773,583
COLUMBIA NTS	110,565	113,790	113,790	113,790	113,790	113,790	113,790	113,790	110,685	110,685	114,615	114,615	1,357,695
COLUMBIA SST	266,720	278,811	278,811	278,811	278,811	278,811	278,811	278,811	265,447	265,447	269,423	269,423	3,225,812
COLUMBIA GULF FTS-1	85,834	85,834	85,834	85,834	85,834	85,834	85,834	85,834	85,834	85,834	85,834	85,834	1,036,008
COLUMBIA FSS MDSQ	141,645	141,645	141,645	141,645	141,645	141,645	141,645	141,645	173,005	173,005	173,005	172,088	1,924,263
COLUMBIA FSS SCQ	147,113	147,113	147,113	147,113	147,113	147,113	147,113	147,113	180,710	180,710	180,710	180,094	1,899,117
COLUMBIA SST	59,052	61,286	61,286	61,286	61,286	61,286	61,286	61,286	0	0	0	0	629,093
COLUMBIA FSS II MDSQ	31,360	31,360	31,360	31,360	31,360	31,360	31,360	31,360	0	0	0	0	250,880
COLUMBIA FSS II SCQ	33,597	33,597	33,597	33,597	33,597	33,597	33,597	33,597	0	0	0	0	268,778
TENNESSEE FT-A	171,457	171,457	171,457	171,457	171,457	171,457	171,457	171,457	0	0	0	0	1,200,199
TEXAS EASTERN/CDS	1,057,068	1,057,068	1,057,068	1,057,068	1,054,858	1,054,858	1,054,858	1,054,858	1,054,782	1,054,782	1,063,714	1,063,714	12,724,696
TEXAS EASTERN FT-1	961,754	961,754	961,754	961,754	959,670	959,670	959,670	959,670	959,601	959,601	966,852	966,852	11,578,602
TEXAS EASTERN ITP M2 - M3	439,405	439,405	439,405	439,405	438,218	438,218	438,218	438,218	438,164	438,164	453,885	453,885	5,294,582
TEXAS EASTERN LLFT	75,237	75,237	75,237	75,237	75,237	75,237	75,237	75,237	57,333	57,333	57,333	57,333	691,135
TEXAS EASTERN FLEX-X	41,756	41,756	41,756	41,756	41,756	41,756	41,756	41,756	41,756	41,756	41,756	41,756	501,072
TEXAS EASTERN FT-1 (ELA-M2)	8,685	8,685	8,685	8,685	8,685	8,685	8,685	8,685	0	0	0	0	66,435
TEXAS EASTERN FTS-7	38,667	38,667	38,667	38,667	38,667	38,667	38,667	38,667	38,667	38,667	38,667	38,667	464,004
DOMINION-GSS TEL DEMAND	11,132	11,132	11,132	11,132	11,132	11,132	11,132	11,175	11,175	11,175	11,175	11,175	133,799
DOMINION-GSS CAPACITY	13,647	13,647	13,647	13,647	13,647	13,647	13,647	13,647	13,647	13,647	13,647	13,647	163,784
TEXAS EASTERN FTS-5	34,528	34,528	34,528	34,528	34,528	34,528	34,528	34,528	34,528	34,528	34,528	34,528	414,336
EGAN FSS	110,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000	1,320,000
DOMINION-GSS DEMAND	12,369	12,369	12,369	12,369	12,369	12,369	12,369	12,369	12,417	12,417	12,417	12,417	148,868
DOMINION-GSS CAPACITY	9,667	9,667	9,667	9,667	9,667	9,667	9,667	9,667	9,667	9,667	9,667	9,667	116,004
TRANSOCO PS-FT	0	0	0	0	0	0	0	0	39,519	39,519	35,685	0	114,733
TRANSOCO GSS	5,261	5,437	5,261	5,436	5,436	5,261	5,436	5,268	5,444	5,444	4,917	5,444	64,045
TRANSOCO GSS-CAPACITY VOLUME	1,624	1,678	1,624	1,678	1,678	1,624	1,678	1,624	1,678	1,678	1,515	1,678	18,757
TRANSOCO SS-2 DEM	62,249	64,324	62,247	64,322	64,322	62,247	64,322	62,247	64,322	64,322	58,097	64,322	757,343
TRANSOCO SS-2 CAP. CHARGE	22,474	23,223	22,474	23,223	23,223	22,474	23,223	22,474	23,223	23,223	20,976	23,223	273,433
TRANSOCO FT	102,065	105,467	102,065	105,462	105,462	102,065	105,462	102,065	105,462	105,462	95,256	105,462	1,241,741
TRANSOCO FT-F	89,206	92,179	89,192	92,166	92,166	89,192	92,165	89,192	92,166	92,165	83,248	92,165	1,085,206
TRANSOCO FT-F - SENTINEL	115,920	119,784	115,920	119,784	119,784	115,920	119,784	115,920	119,784	119,784	108,192	119,784	1,410,360
ANR FTS-1, FT SW TETCO	116,325	116,325	116,325	116,325	116,325	116,325	116,325	116,325	116,325	116,325	116,325	116,325	1,395,900
ANR FTS-1, COLUMBIA	94,600	94,600	94,600	94,600	94,600	94,600	94,600	94,600	94,600	94,600	94,600	94,600	1,135,200
ANR FTS-1, FT SE COLUMBIA	107,275	107,275	107,275	107,275	107,275	107,275	107,275	184,324	184,324	184,324	184,324	184,324	1,872,545
ANR FTS-1, FT SE TETCO	30,257	30,257	30,257	30,257	30,257	30,257	30,257	60,508	60,508	60,508	60,508	60,508	514,339
ANR FSS DELIVER CHG	117,207	117,207	117,207	117,207	117,207	117,207	117,207	117,207	117,207	117,207	117,207	117,207	1,408,484
ANR FSS CAPACITY CHG	92,463	92,463	92,463	92,463	92,463	92,463	92,463	92,463	92,463	92,463	92,463	92,463	1,109,558
ANR FTS-1 DEL TO STORAGE	129,676	129,676	129,676	129,676	129,676	129,676	129,676	0	0	0	0	0	907,732
ANR FSS STORAGE DEL -COL	0	0	0	0	0	0	0	30,738	30,738	30,738	30,738	30,738	383,690
ANR FSS STORAGE DEL -TETCO	0	0	0	0	0	0	0	126,900	126,900	126,900	126,900	126,900	634,506
ANR FSS STORAGE DEL -TETCO LLFT	0	0	0	0	0	0	0	74,840	74,840	74,840	74,840	74,840	373,200
UGI CENTRAL PENN GAS	42,800	42,800	42,800	42,800	42,800	42,800	42,800	42,800	42,800	42,800	42,800	42,800	513,600
CALL OPTIONS	191,983	191,857	195,040	195,020	193,011	195,227	194,074	115	0	493	545	152,896	1,513,051
GLOBAL VIEW	152	152	152	152	152	311	304	304	304	304	304	304	3,047
SUPPLIER A	10,215	10,555	10,215	10,555	10,555	10,215	10,555	10,215	10,555	10,555	9,534	10,555	124,279
UGIES FIRM DELIVERED SUPPLY	0	0	0	0	0	0	0	81,000	81,000	81,000	81,000	81,000	405,000
UGIES PEAKING SERVICE DEMAND	0	0	0	0	0	0	0	352,000	352,000	352,000	352,000	352,000	1,760,000
UGIES PEAKING SERVICE DEMAND	0	0	0	0	0	0	0	889,577	889,577	889,577	889,577	889,577	4,447,885
UGIES PEAKING SERVICE DEMAND	0	0	0	0	0	0	0	1,318,348	1,318,348	1,318,348	1,318,348	1,318,348	6,591,740
UGIES PEAKING SERVICE DEMAND	0	0	0	0	0	0	0	1,720,000	1,720,000	1,720,000	1,720,000	1,720,000	8,900,000
UGIES PEAKING SERVICE DEMAND	0	0	0	0	0	0	0	167,492	167,492	167,492	167,492	167,492	837,458
UGIES FIRM DELIVERED SUPPLY	0	0	0	0	0	0	0	2,941,675	2,941,667	2,941,667	(6)	0	6,125,201
CAPACITY RELEASE / INCENTIVE SHARING	115,500	115,500	115,500	115,500	115,500	115,500	115,500	115,500	115,500	115,500	115,500	115,500	1,388,000
OS CREDIT / SYSTEM ACCESS FEES	(1,734,730)	(1,594,867)	(1,850,721)	(1,732,315)	(1,687,079)	(1,085,709)	(1,715,559)	(3,095,218)	(3,168,592)	(3,522,160)	(3,251,878)	(3,961,218)	(29,000,146)
PGC CREDIT FOR BAL. SERVICE	(327,670)	(178,960)	(109,053)	(94,190)	(87,193)	(103,192)	(134,968)	(237,481)	(499,910)	(520,437)	(515,592)	(580,717)	(3,388,053)
CASH IN/OUT	(20,730)	(44,006)	(61,423)	(51,287)	(55,333)	(51,354)	(55,117)	(66,448)	(225,631)	(247,026)	(136,592)	(204,244)	(1,438,473)
DEMAND COST	3,647,713	3,908,824	3,884,885	3,991,047	4,039,150	4,042,829	4,330,030	9,107,998	8,787,631	8,333,882	6,785,128	6,011,582	68,890,524

UGI UTILITIES, INC. - GAS DIVISION  
 PGC EXPERIENCED COST OF GAS IN DOLLARS  
 12 MONTHS ENDED MARCH 31, 2015  
 COMMODITY

	2014 APRIL (\$'S)	2014 MAY (\$'S)	2014 JUNE (\$'S)	2014 JULY (\$'S)	2014 AUGUST (\$'S)	2014 SEPTEMBER (\$'S)	2014 OCTOBER (\$'S)	2014 NOVEMBER (\$'S)	2014 DECEMBER (\$'S)	2015 JANUARY (\$'S)	2015 FEBRUARY (\$'S)	2015 MARCH (\$'S)	TWELVE MONTH TOTAL
PRODUCER PURCHASES	(61,336)	(471,879)	(900,714)	(78,065)	(55,491)	(307,064)	213,363	(78,612)	(2,320,522)	(6,806,783)	(12,806,593)	(4,272,454)	(27,960,100)
SUPPLIER B	310,216	0	0	867	0	0	0	1,360,194	834,003	1,454,370	1,956,896	907,697	6,824,243
SUPPLIER C	2,288,003	60,468	97,012	0	33,798	301,587	13,305	2,273,612	1,324,511	1,957,972	2,114,145	527,946	11,012,359
SUPPLIER D	0	0	0	0	0	0	0	886,093	2,736,451	0	708,366	0	4,332,910
SUPPLIER E	0	0	0	85,623	0	0	0	2,482,218	576,969	0	278,359	2,097,046	5,320,214
SUPPLIER F	1,006,386	648,576	383,358	359,600	368,966	472,706	409,505	285,651	673,381	256,506	1,148,988	0	6,993,507
SUPPLIER G	0	0	0	0	0	41,106	0	1,335,281	0	1,039,019	0	423,270	2,838,676
SUPPLIER H	0	0	0	0	0	0	31,766	1,164,968	1,175,005	885,111	1,124,279	788,148	5,169,275
SUPPLIER I	1,800,199	1,857,902	1,455,842	1,368,235	751,188	897,487	1,187,820	1,475,337	1,676,516	1,055,569	2,565,734	2,070,920	18,240,789
SUPPLIER J	2,682,872	2,840,142	2,728,391	2,589,307	2,196,831	2,325,150	2,328,612	0	0	0	0	858	17,669,164
UGI ENERGY SVCS	4,851,701	5,043,040	3,483,315	3,313,185	2,853,134	3,103,447	3,656,055	737,117	1,452,272	9,638,354	13,565,067	4,054,672	56,749,339
PEAKING SERVICE - UGIE S	0	0	0	0	0	0	0	0	0	104	513,043	1,414,034	1,927,160
LP BEYOND THE MAIN	(21,667)	434,572	10,387	125,285	(6,390)	(11,742)	(6,404)	(4,496)	47,914	88,579	122,324	202,946	982,307
STG INJ COLUMBIA FSS	(3,388,070)	(4,033,796)	(3,567,953)	(3,114,248)	(2,454,947)	(2,502,935)	(2,721,710)	(852,222)	(4,532,192)	(201,035)	(329,562)	(403,185)	(28,102,855)
STG INJ COLUMBIA FSS II	(642,253)	(673,020)	(647,354)	(615,433)	(529,124)	(550,847)	(554,804)	0	0	0	0	0	(4,212,835)
STG INJ TRANSCO GSS	(35,617)	(40,222)	(38,033)	(34,210)	(25,209)	(26,592)	(26,660)	(909)	0	0	0	0	(227,652)
STG INJ TRANSCO SS-2	(276,598)	(304,103)	(278,814)	(264,354)	(155,297)	(205,826)	(214,487)	(1,264)	0	0	0	0	(1,738,643)
STG INJ DOMINION GSS	(380,982)	(402,038)	(384,457)	(362,581)	(303,438)	(318,828)	(321,200)	0	0	0	0	0	(2,473,304)
STG INJ DOMINION GSS TE	(451,773)	(478,769)	(455,920)	(429,978)	(359,841)	(377,855)	(380,905)	0	0	0	0	0	(2,933,043)
STG INJ ANR FSS	(1,839,096)	(1,950,234)	(1,878,912)	(1,785,847)	(1,522,450)	(1,817,566)	(1,612,496)	0	0	0	0	0	(12,294,311)
STG INJ EGAN FSS	0	0	0	(428,309)	(40,627)	(369,549)	(491,443)	(9)	0	0	0	0	(43,359)
STG WDL COLUMBIA FSS	2,137,683	632,084	835,713	915,752	264,660	421,145	211,694	1,482,203	5,260,749	6,820,250	8,758,743	3,666,934	29,407,610
STG WDL COLUMBIA FSS II	0	0	0	0	0	0	0	89,263	4,498,411	0	0	0	4,587,674
STG WDL TRANSCO GSS	0	0	0	0	0	0	0	4,034	0	91,557	94,501	47,254	237,326
STG WDL TRANSCO SS-2	98	0	0	0	0	0	0	18,464	439,737	503,912	441,636	386,321	1,788,168
STG WDL DOMINION GSS	115,691	0	0	0	0	0	0	25,059	608,438	979,713	587,654	502,337	2,518,912
STG WDL DOMINION GSS TE	16,123	0	0	0	0	0	0	584,719	612,242	538,269	353,086	612,375	2,916,826
STG WDL ANR FSS	39	0	0	0	0	0	0	1,372,663	2,061,289	3,872,129	4,378,756	817,514	12,502,382
STG WDL EGAN FSS	0	0	0	0	0	0	9,941	0	13,173	852,054	600,622	0	1,475,790
COMMODITY - \$\$'S	8,190,337	3,184,723	846,061	1,442,069	976,763	1,274,024	1,709,042	14,737,262	17,140,368	22,723,660	24,378,038	14,680,938	111,481,302
TOTAL PGC \$\$'S	11,858,050	7,063,547	4,730,950	5,833,158	5,015,913	5,316,853	6,039,072	23,845,260	25,927,997	31,057,322	31,161,186	20,697,520	178,371,826
PRODUCER PURCHASE - \$\$'S	12,936,274	10,432,821	7,257,591	7,762,077	5,143,036	6,822,677	7,811,022	12,017,361	8,178,499	9,588,811	11,290,806	9,094,767	109,313,543
NET STORAGE - \$\$'S	(4,745,937)	(7,248,098)	(6,411,530)	(6,120,008)	(5,166,273)	(5,548,853)	(6,701,989)	2,719,901	8,961,867	13,156,849	13,085,450	5,586,171	2,167,799







UGI UTILITIES INC. - GAS UTILITIES DIVISION  
PROJECTED SUPPLY VOLUMES IN DTH OR DTHNG  
UNDER NORMAL WEATHER  
8 MONTH PERIOD - APRIL THROUGH NOVEMBER  
COMMODITY

	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	TOTAL
<b>Supply Volumes</b>									
Trigger Flex	120,000	124,000	120,000	124,000	124,000	120,000	124,000	0	856,000
Trigger Lead	420,000	434,000	420,000	434,000	434,000	420,000	434,000	0	2,996,000
M/Tmsco/Car	0	0	0	0	0	0	0	0	0
Trigger TCO Pool	0	0	0	0	0	0	0	0	0
Spot ANR SE	0	0	0	0	0	0	0	0	0
Spot M2	1,334,328	391,129	158,925	0	0	32,810	844,148	1,994,482	4,753,833
Spot Divd Supply	0	0	0	0	0	0	0	0	0
Spot Lady	289,701	299,358	191,265	157,013	232,459	200,372	299,358	707,430	2,376,958
Spot TCO/Pool	0	0	0	0	0	0	0	0	0
Gas Beyond M	3,781	5,342	868	525	753	811	803	4,352	17,118
Asset Management Refd	1,338,952	1,338,952	1,338,952	1,338,952	1,338,952	1,338,952	1,338,952	0	8,372,862
<b>Injected Volumes</b>									
ANR FSS	397,144	397,144	397,144	397,144	397,144	397,144	397,141	0	2,780,005
Dom GSS	95,238	95,238	95,238	95,238	95,238	95,238	95,239	0	866,667
Dom GSS TE	112,941	112,941	112,941	112,941	112,941	112,941	112,941	0	790,587
Transco GSS	11,917	17,000	15,960	15,310	14,348	13,885	13,850	0	102,129
Transco SS-2	78,696	143,451	132,722	129,663	128,121	103,004	79,686	0	796,960
Egan FSS	0	0	0	0	0	0	0	0	0
TCO FSS	733,629	733,629	733,629	733,629	733,629	733,629	733,629	0	6,133,403
<b>Withdrawal Volumes</b>									
ANR FSS	0	0	0	0	0	0	0	389,201	389,201
Dom GSS	40,000	0	0	0	0	0	0	0	40,000
Dom GSS TE	0	0	0	0	0	0	0	132,083	132,083
Transco GSS	0	0	0	0	0	0	0	0	0
Transco SS-2	0	0	0	0	0	0	0	0	0
Egan FSS	0	0	0	0	0	0	0	0	0
TCO FSS	0	0	0	0	0	0	0	0	0
Transport/Wdlin/Fuel	43,564	15,417	7,711	2,854	3,159	3,685	26,791	79,859	185,340
<b>Total Demand Served</b>	<b>2,072,634</b>	<b>1,077,901</b>	<b>732,465</b>	<b>867,611</b>	<b>845,584</b>	<b>692,719</b>	<b>1,580,274</b>	<b>2,831,889</b>	<b>10,181,177</b>
<b>Total Choice Bundled Demand</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>318,880</b>	<b>318,880</b>
<b>Transportation</b>									
ANR FSS-TCO	0	0	0	0	0	0	0	153,890	153,890
ANR FSS-Tel	0	0	0	0	0	0	0	231,113	231,113
ANR SE-Egan	0	0	0	0	0	0	0	0	0
ANR SE-TCO	0	0	0	0	0	0	0	0	0
ANR SW-Tetco	0	0	10,138	0	0	0	0	0	10,138
Egan-ANR SE	0	0	0	0	0	0	0	0	0
FTS-5 FT	40,000	0	0	0	0	0	0	0	40,000
FTS-7 FT	0	0	0	0	0	0	0	129,441	129,441
Leach FTS	0	0	11,579	0	0	0	0	0	11,579
L&L FTS	0	0	4,590	0	0	0	0	140,740	145,330
L&L NTS	0	0	5,358	0	0	0	0	10,053	15,411
LL M1-M3 CDS	0	0	13,234	0	0	0	0	0	13,234
M2-M3 CDS	300,000	278,648	10,000	0	0	31,909	310,000	300,000	1,230,557
M2-M3 FT	993,785	100,563	80,453	0	0	0	508,487	1,857,940	3,551,343
RIV FT	120,000	124,000	120,000	124,000	124,000	120,000	124,000	0	856,000
SST	0	0	0	0	0	0	0	0	0
Transco FTF	707,430	731,011	608,309	589,122	664,326	618,387	731,011	705,166	5,365,787



UGI UTILITIES INC. - GAS UTILITIES DIVISION  
PROJECTED SUPPLY UNIT RATE IN \$/DTH  
UNDER NORMAL WEATHER  
12 MONTH PERIOD - APRIL THROUGH NOVEMBER  
COMMODITY

	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	AVERAGE
<b>Supply Rate</b>									
Trigger Flex	2.6120	1.3110	1.3480	1.4060	1.4290	1.4360	1.5225	0.0000	1.5776
Trigger Lead	2.2220	2.1503	1.7251	1.7428	1.5028	1.8361	2.2900	0.0000	1.8972
Mc Transco Call	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trigger TCO Pool	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Spot ANR SE	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Spot M2	1.5875	1.3510	1.4480	0.0000	0.0000	1.3410	1.4865	1.8960	1.8732
Spot Divd Supply	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Spot Leady	1.2050	0.9135	1.0105	1.1835	1.0085	0.9035	1.0465	1.8010	1.2825
Spot TCO Pool	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Gas Beyond M	12.9178	12.9453	12.9850	13.0411	13.1096	13.2463	13.3060	13.3757	13.0933
Asset Management Refit	3.0658	2.9066	2.8627	2.9818	2.9001	2.8964	2.9649	0.0000	2.9425
<b>Injection Rate</b>									
ANR FSS	0.0126	0.0126	0.0126	0.0000	0.0126	0.0126	0.0126	0.0000	0.0126
Dom GSS	0.0318	0.0318	0.0318	0.0000	0.0318	0.0318	0.0318	0.0000	0.0318
Dom GSS TE	0.0318	0.0318	0.0318	0.0000	0.0318	0.0318	0.0318	0.0000	0.0318
Transco GSS	0.0544	0.0544	0.0544	0.0544	0.0544	0.0544	0.0544	0.0000	0.0544
Transco SS-2	0.0318	0.0318	0.0318	0.0318	0.0318	0.0318	0.0318	0.0000	0.0318
Egan FSS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TCO FSS	0.0155	0.0155	0.0155	0.0000	0.0155	0.0155	0.0155	0.0000	0.0155
<b>Withdrawal Rate</b>									
ANR FSS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0126	0.0126
Dom GSS	0.0180	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0180
Dom GSS TE	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0220	0.0220
Transco GSS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Transco SS-2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Egan FSS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TCO FSS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Transportation Rate</b>									
ANR FSS TCO	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0105	0.0105
ANR FSS Tel	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0105	0.0105
ANR SE Egan	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ANR SE TCO	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ANR SW-Teico	0.0000	0.0000	0.0204	0.0000	0.0000	0.0000	0.0000	0.0000	0.0204
FTS-5 FT	0.0014	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0014
FTS-7 FT	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0014	0.0014
Leach FTS	0.0000	0.0000	0.0194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0194
Lab FTS	0.0000	0.0000	0.0194	0.0000	0.0000	0.0000	0.0000	0.0194	0.0194
Lab NTS	0.0000	0.0000	0.0194	0.0000	0.0000	0.0000	0.0000	0.0194	0.0194
LL M1-M3 CDS	0.0000	0.0000	0.0918	0.0000	0.0000	0.0000	0.0000	0.0000	0.0918
M2-M3 CDS	0.0740	0.0740	0.0740	0.0000	0.0000	0.0740	0.0740	0.0740	0.0740
M2-M3 FT	0.0740	0.0740	0.0740	0.0000	0.0000	0.0740	0.0740	0.0740	0.0740
RIV FT	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0000	0.0014
SBT	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Transco FTF	0.0074	0.0074	0.0074	0.0074	0.0074	0.0074	0.0074	0.0074	0.0074
<b>Total Com Vol</b>	2,072,634	1,077,901	732,465	567,611	645,894	652,718	1,586,274	2,831,988	10,181,177
<b>Total Com Cost</b>	3,951,299	1,874,088	1,199,465	976,158	995,362	1,016,462	2,792,375	5,686,358	18,323,563
<b>Com Unit Rate</b>	\$1.856	\$1.739	\$1.638	\$1.720	\$1.480	\$1.557	\$1.742	\$2.012	\$1.803
<b>Total Dem Cost</b>	4,326,769	4,997,915	4,416,782	4,428,778	4,411,585	4,394,743	4,515,942	11,813,339	42,698,321
<b>Dem Unit Rate</b>	\$2.088	\$4.678	\$6.030	\$7.801	\$6.833	\$6.733	\$2.868	\$4.171	\$4.202
<b>Total System Costs</b>	6,178,058	6,296,002	5,516,247	5,404,331	5,386,927	5,411,205	7,284,317	17,511,697	61,022,784
<b>System Unit Rate</b>	\$3.946	\$5.813	\$7.668	\$9.521	\$8.313	\$8.290	\$4.599	\$6.184	\$6.005

UGI UTILITIES INC. - GAS UTILITIES DIVISION  
PROJECTED PURCHASED GAS COSTS IN (\$)  
UNDER NORMAL WEATHER  
9 MONTH PERIOD - APRIL THROUGH NOVEMBER  
DEMAND

	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	TOTAL
<b>Supply</b>									
Options	159,143	159,143	159,143	159,143	159,143	159,143	159,143	0	1,113,988
UGI ES Delivered Supply	115,500	115,500	115,500	115,500	115,500	115,500	115,500	115,500	924,000
Transco Delivered Supply	80,500	80,500	80,500	80,500	80,500	80,500	80,500	246,750	610,260
UGIES Peak SVC VI	0	0	0	0	0	0	0	0	689,577
Ledy Supply	5,181	5,354	5,181	5,354	5,354	5,181	5,354	5,181	42,140
Ledy Supply Credit - PNG	(108)	(108)	(108)	(108)	(108)	(108)	(108)	(108)	(861)
Ledy Supply Credit - CPG	(314)	(324)	(314)	(324)	(324)	(314)	(324)	(314)	(2,642)
UGI ES Peak SVC I	0	0	0	0	0	0	0	1,720,000	1,720,000
UGI ES Peak SVC II	0	0	0	0	0	0	0	2,041,067	2,041,067
UGI ES Peak SVC III	0	0	0	0	0	0	0	1,336,255	1,336,255
UGI ES Peak SVC IV	0	0	0	0	0	0	0	170,021	170,021
Peak SVC	0	0	0	0	0	0	0	2,336,713	2,336,713
UGIES Peak SVC V	0	0	0	0	0	0	0	700,143	700,143
<b>Storage Demand</b>									
ANR FSS	117,465	117,465	117,465	117,465	117,465	117,465	117,465	117,465	838,720
Dom GSS	12,417	12,417	12,417	12,417	12,417	12,417	12,417	12,417	98,338
Dom GSS TE	11,175	11,175	11,175	11,175	11,175	11,175	11,175	11,175	89,660
Transco GSS	5,275	5,451	5,275	5,451	5,451	5,275	5,451	5,275	42,907
Transco SS-2	62,277	64,353	62,277	64,353	64,353	62,277	64,353	62,277	506,822
Egan FSS	0	0	0	0	0	0	0	0	0
TCC FSS	172,068	172,068	172,068	172,068	172,068	172,068	172,068	172,068	1,374,708
<b>Storage Capacity</b>									
ANR FSS	92,667	92,667	92,667	92,667	92,667	92,667	92,667	92,667	741,334
Dom GSS	9,567	9,567	9,567	9,567	9,567	9,567	9,567	9,567	77,334
Dom GSS TE	13,647	13,647	13,647	13,647	13,647	13,647	13,647	13,647	109,177
Transco GSS	1,624	1,678	1,624	1,678	1,678	1,624	1,678	1,624	13,208
Transco SS-2	22,474	23,223	22,474	23,223	23,223	22,474	23,223	22,474	182,788
Egan FSS	110,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000	880,900
TCC FSS	180,085	180,085	180,085	180,085	180,085	180,085	180,085	180,085	1,440,677
<b>Transportation</b>									
Transco-Senatel FT	116,132	120,003	116,132	120,003	120,003	116,132	120,003	116,132	944,841
Columbia FTS	573,542	573,542	573,542	573,542	573,542	573,542	573,542	573,542	4,588,332
Columbia NTS	114,495	114,495	114,495	114,495	114,495	114,495	114,495	114,495	918,960
Columbia SST	341,250	341,250	341,250	341,250	341,250	341,250	341,250	682,500	3,412,810
Columbia GULF FTS-1	85,834	85,834	85,834	85,834	85,834	85,834	85,834	85,834	680,838
Texas Eastern CDS	1,071,988	1,071,988	1,071,988	1,071,988	1,071,988	1,071,988	1,071,988	1,071,988	8,578,967
Texas Eastern FT-1	986,854	986,854	986,854	986,854	986,854	986,854	986,854	986,854	7,894,835
Texas Eastern FT M2 - M3	453,885	453,885	453,885	453,885	453,885	453,885	453,885	453,885	3,631,080
Texas Eastern LLFT	22,812	22,812	22,812	22,812	22,812	22,812	22,812	22,812	180,894
Texas Eastern FLEX-X	41,756	41,756	41,756	41,756	41,756	41,756	41,756	41,756	334,048
Texas Eastern FTS-7	38,687	38,687	38,687	38,687	38,687	38,687	38,687	38,687	308,333
Texas Eastern FTS-5	34,528	34,528	34,528	34,528	34,528	34,528	34,528	34,528	278,227
Transco PS-FT	0	0	0	0	0	0	0	0	0
Transco FT	102,512	105,929	102,512	105,929	105,929	102,512	105,929	102,512	833,782
Transco FTF	89,418	92,398	89,418	92,398	92,398	89,418	92,398	89,418	727,268
ANR FTS-1: FT SW TETCO	118,325	118,325	118,325	118,325	118,325	118,325	118,325	118,325	930,600
ANR FTS-1: Columbia	94,800	94,800	94,800	94,800	94,800	94,800	94,800	94,800	764,800
ANR FTS-1: FT SE Columbia	107,275	107,275	107,275	107,275	107,275	107,275	107,275	104,324	833,248
ANR FTS-1: FT SE TETCO	30,257	30,257	30,257	30,257	30,257	30,257	30,257	60,506	473,306
ANR: FTS-1 Del to Storage	128,575	128,575	128,575	128,575	128,575	128,575	128,575	0	900,028
ANR FSS Storage Del - COL	0	0	0	0	0	0	0	30,738	30,738
ANR FSS Storage Del - TETCO	0	0	0	0	0	0	0	128,900	128,900
ANR FSS Storage Del - TETCO LLFT	0	0	0	0	0	0	0	74,840	74,840
Tobyanna FT	6,742	5,441	4,543	4,981	4,585	4,014	5,110	5,979	42,874
UGI Central Penn Gas	42,800	42,800	42,800	42,800	42,800	42,800	42,800	42,800	342,600
<b>SUBTOTAL</b>	<b>6,770,813</b>	<b>6,782,394</b>	<b>6,788,614</b>	<b>6,782,218</b>	<b>6,782,129</b>	<b>6,768,088</b>	<b>6,733,819</b>	<b>6,640,988</b>	<b>54,218,737</b>
Non-Choice Cap Ret/Sharing Mech Credit	(78,468)	(77,342)	(78,468)	(77,342)	(77,342)	(76,468)	(76,468)	(76,468)	(618,811)
Choice Capacity Assignment Credits	(1,008,282)	(1,011,861)	(1,008,847)	(1,011,614)	(1,011,386)	(1,009,748)	(1,078,888)	(2,980,148)	(10,117,268)
DS Credits	(278,035)	(233,089)	(187,228)	(198,198)	(202,744)	(208,838)	(338,821)	(406,961)	(2,030,911)
Supplemental B1 Credits	(80,000)	(88,000)	(80,000)	(80,000)	(80,000)	(80,000)	(80,000)	(80,000)	(640,000)
Risk Mgt Tools	911	911	911	911	911	911	911	911	7,291
<b>Total Demand Cost</b>	<b>4,328,758</b>	<b>4,391,916</b>	<b>4,416,782</b>	<b>4,428,176</b>	<b>4,411,565</b>	<b>4,394,743</b>	<b>4,516,842</b>	<b>11,813,339</b>	<b>42,699,221</b>

UGI UTILITIES INC. - GAS UTILITIES DIVISION  
PROJECTED PURCHASE GAS COSTS IN (\$)  
UNDER NORMAL WEATHER  
3 MONTH PERIOD - APRIL THROUGH NOVEMBER  
COMMODITY

	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	TOTAL
<b>Supply Cost</b>									
Trigger Flex	313,440	162,964	161,760	174,344	177,198	172,320	166,789	0	1,360,413
Trigger Lead	937,440	933,243	724,547	756,303	652,215	686,332	993,890	0	6,683,948
McThiscoCal	0	0	0	0	0	0	0	0	0
Trigger TCOF	0	0	0	0	0	0	0	0	0
Spot ANR SE	0	0	0	0	0	0	0	0	0
Spot M2	2,116,246	528,416	227,227	0	0	44,132	1,254,627	3,781,856	7,864,404
Spot Divd Supply	0	0	0	0	0	0	0	0	0
Spot Lindy	349,050	273,483	183,273	182,865	233,870	181,036	313,378	1,274,061	3,000,876
Spot TCOPool	0	0	0	0	0	0	0	0	0
Gas Beyond M	48,839	69,155	8,674	6,849	9,868	10,741	12,013	57,948	224,087
Asset Management Reha	4,105,124	3,600,389	3,873,283	3,992,455	3,893,051	3,878,153	3,956,442	0	27,878,877
<b>Injection Cost</b>									
ANR FSS	5,004	5,004	5,004	5,004	5,004	5,004	5,004	0	36,828
Dom GSS	3,029	3,029	3,029	3,029	3,029	3,029	3,029	0	21,200
Dom GSS TE	3,592	3,592	3,592	3,592	3,592	3,592	3,592	0	25,141
Transco GSS	649	629	869	833	781	756	743	0	5,859
Transco SS-2	2,539	4,570	4,228	4,131	4,082	3,300	2,539	0	26,388
Egan FSS	0	0	0	0	0	0	0	0	0
TCO FSS	11,374	11,374	11,374	11,374	11,374	11,374	11,374	0	79,619
<b>Withdrawal Cost</b>									
ANR FSS	0	0	0	0	0	0	0	4,904	4,904
Dom GSS	720	0	0	0	0	0	0	0	720
Dom GSS TE	0	0	0	0	0	0	0	2,906	2,906
Transco GSS	0	0	0	0	0	0	0	0	0
Transco SS-2	0	0	0	0	0	0	0	0	0
Egan FSS	0	0	0	0	0	0	0	0	0
TCO FSS	0	0	0	0	0	0	0	0	0
<b>Transportation Cost</b>									
ANR FSS-TCO	0	0	0	0	0	0	0	1,614	1,614
ANR FSS-Tei	0	0	0	0	0	0	0	2,427	2,427
ANR SE-Egan	0	0	0	0	0	0	0	0	0
ANR SE-TCO	0	0	0	0	0	0	0	0	0
ANR SW-Teico	0	0	207	0	0	0	0	0	207
FTS-5 FT	56	0	0	0	0	0	0	0	56
FTS-7 FT	0	0	0	0	0	0	0	161	161
Leach FTS	0	0	225	0	0	0	0	0	225
Lab FTS	0	0	69	0	0	0	0	2,730	2,819
Lab NTS	0	0	192	0	0	0	0	0	192
LL M1-M3 CDS	0	0	1,215	0	0	0	0	0	1,215
M2-M3 CDS	22,200	20,620	740	0	0	2,281	22,940	22,200	91,961
M2-M3 FT	73,539	7,444	6,694	0	0	0	37,828	137,488	262,792
RV FT	168	174	168	174	174	168	174	0	1,196
SST	0	0	0	0	0	0	0	0	0
Transco FTF	5,207	5,380	4,465	4,336	4,689	4,551	5,380	5,190	39,416
<b>Subtotal Cost</b>	<b>8,000,283</b>	<b>5,919,364</b>	<b>5,220,763</b>	<b>5,146,108</b>	<b>4,889,223</b>	<b>5,006,648</b>	<b>5,811,611</b>	<b>6,283,418</b>	<b>46,396,670</b>
<b>Injected Value</b>	<b>4,226,919</b>	<b>4,044,266</b>	<b>4,031,288</b>	<b>4,168,992</b>	<b>4,033,861</b>	<b>3,996,387</b>	<b>4,069,236</b>	<b>0</b>	<b>28,549,611</b>
<b>Withdrawal Value</b>	<b>71,688</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,208,307</b>	<b>1,279,972</b>
<b>Choice Bundled Sale Credit</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>(803,368)</b>	<b>(803,368)</b>
<b>Options Credit</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Cost</b>	<b>3,851,299</b>	<b>1,874,098</b>	<b>1,199,485</b>	<b>978,116</b>	<b>855,362</b>	<b>1,010,261</b>	<b>2,742,378</b>	<b>6,696,368</b>	<b>16,323,663</b>





UGR UTILITIES INC. - GAS UTILITIES DIVISION  
PROJECTED SUPPLY VOLUMES IN DTH OR DTH/D  
UNDER NORMAL WEATHER  
12 MONTH PERIOD - DECEMBER THROUGH NOVEMBER  
COMMODITY

	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	TOTAL
<b>Supply Volumes</b>													
Trigger Flex	0	0	0	0	0	0	0	0	0	0	0	0	0
Trigger Limit	0	0	0	0	0	0	0	0	0	0	0	0	0
No TimeCall	0	0	35,003	0	0	0	0	0	0	0	0	0	35,003
Trigger TCO Pool	84,835	84,835	0	0	0	0	0	0	0	0	0	0	169,670
Spot ANR SE	153,050	0	0	0	0	0	0	0	0	0	0	0	153,050
Spot M2	2,899,554	2,897,153	2,638,407	1,872,817	1,418,591	843,653	245,328	30,717	78,452	107,047	1,136,205	2,047,477	15,805,400
Spot Dth Supply	310,000	310,000	32,874	0	0	0	0	0	0	0	0	0	852,874
Spot Lady	731,011	731,011	883,849	731,011	707,430	731,011	707,430	731,011	731,011	707,430	731,011	707,430	8,636,848
Spot TCO Pool	60,516	532,753	0	0	0	0	0	0	0	0	0	0	593,269
Gas Beyond M	7,881	12,180	10,778	9,947	3,781	5,342	868	525	753	611	803	4,332	57,900
Asset Management Rate	0	0	0	0	1,338,952	1,338,952	1,338,952	1,338,952	1,338,952	1,338,952	1,338,952	1,338,952	9,772,882
<b>Injected Volumes</b>													
ANR FSS	0	0	0	0	397,144	397,144	397,144	397,144	397,144	397,144	397,144	0	2,780,005
Dom GSS	0	0	0	0	95,238	95,238	95,238	95,238	95,238	95,238	95,238	0	868,687
Dom GSS TE	0	0	0	0	112,941	112,941	112,941	112,941	112,941	112,941	112,941	0	790,587
Transco GSS	0	0	0	0	11,917	17,080	15,960	16,270	14,348	13,686	13,686	0	102,128
Transco SS-2	0	0	0	0	78,899	153,791	131,437	113,258	127,312	111,573	78,899	0	796,950
Egan FSS	150,000	0	0	0	0	0	0	0	0	0	0	0	150,000
TCO FSS	0	0	0	0	733,629	733,629	733,629	733,629	733,629	733,629	733,629	0	5,135,403
<b>Withdrawal Volumes</b>													
ANR FSS	583,901	778,401	611,601	417,001	0	0	0	0	0	0	0	361,401	2,732,205
Dom GSS	165,900	180,907	160,000	136,200	23,800	0	0	0	0	0	0	0	868,687
Dom GSS TE	162,730	188,000	147,069	162,705	0	0	0	0	0	0	0	132,069	790,587
Transco GSS	0	44,937	36,786	20,428	0	0	0	0	0	0	0	0	102,128
Transco SS-2	187,789	224,595	199,236	175,325	0	0	0	0	0	0	0	0	796,950
Egan FSS	0	0	87,500	82,500	0	0	0	0	0	0	0	0	150,000
TCO FSS	800,130	1,563,234	1,500,705	1,171,334	0	0	0	0	0	0	0	0	5,135,403
Transport/Wdth/Fuel	140,021	161,294	142,408	108,514	46,118	23,134	10,795	4,259	5,748	6,454	37,663	60,320	784,728
<b>Total Demand Served</b>	<b>5,395,588</b>	<b>6,380,281</b>	<b>5,507,821</b>	<b>4,288,382</b>	<b>2,015,872</b>	<b>1,186,031</b>	<b>786,234</b>	<b>823,467</b>	<b>842,608</b>	<b>883,376</b>	<b>1,737,071</b>	<b>2,863,279</b>	<b>32,322,798</b>
<b>Total Choice Bundled Demand</b>	<b>541,288</b>	<b>604,180</b>	<b>503,781</b>	<b>456,394</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>308,124</b>	<b>2,414,747</b>
<b>Transmission</b>													
ANR FSS-TCO	158,813	158,813	148,587	158,813	0	0	0	0	0	0	0	151,690	778,696
ANR FSS-Tel	418,391	610,793	456,123	263,478	0	0	0	0	0	0	0	203,627	1,842,409
ANR SE-Egan	152,284	0	0	0	0	0	0	0	0	0	0	0	152,284
ANR SE-TCO	0	0	96,019	51,702	0	0	0	0	0	0	0	0	147,720
ANR SW-Talco	0	0	0	0	0	0	10,138	0	0	0	0	0	10,138
Egan-ANR SE	0	0	87,500	82,500	0	0	0	0	0	0	0	0	150,000
FTS-1 FT	185,800	180,987	180,000	136,200	23,900	0	0	0	0	0	0	0	848,687
FTS-7 FT	159,475	182,280	144,178	158,451	0	0	0	0	0	0	0	129,441	774,779
Leach FTS	67,558	378,690	0	0	0	0	11,379	0	0	0	0	0	487,827
Lab FTS	184,763	258,328	197,456	172,937	0	0	4,580	0	0	0	0	125,801	843,735
Lab NTS	26,290	104,928	42,518	33,610	0	0	5,258	0	0	0	0	25,132	237,737
LL M1-M3 CDS	0	0	0	0	0	0	24,388	0	0	0	0	0	24,388
MC-M3 CDS	310,000	310,000	290,000	280,000	300,000	309,984	88,591	28,783	73,469	100,580	310,000	300,000	2,701,488
MC-M3 FT	2,897,384	2,897,384	2,710,458	1,878,813	1,075,484	315,601	90,453	0	2,586	3,233	791,864	1,882,870	14,544,922
RIV FT	0	0	0	0	0	0	0	0	0	0	0	0	0
RS1	883,162	1,533,787	1,472,416	1,149,255	0	0	0	0	0	0	0	0	5,038,600
Transco FT	728,672	728,672	661,881	728,672	705,168	728,672	705,168	728,672	728,672	705,168	728,672	705,168	6,803,028



UGI UTILITIES INC. - GAS UTILITIES DIVISION  
PROJECTED SUPPLY UNIT RATE IN \$/DTH  
UNDER NORMAL WEATHER  
12 MONTH PERIOD - DECEMBER THROUGH NOVEMBER  
COMMODITY

	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	AVERAGE
<b>Supply Rate</b>													
Trigger Flex	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trigger Lind	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MoTranscoCall	0.0000	0.0000	3.5025	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	3.4025
Trigger TCO Pool	2.3915	2.3915	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.3915
Spot ANR SE	2.8475	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.8475
Spot M2	2.0650	2.2040	2.2670	2.2530	1.8890	1.6980	1.6880	1.6220	1.7095	1.5800	1.7200	2.2210	2.1047
Spot Dhd Supply	2.2150	2.4140	2.4170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.3197
Spot Lady	1.9700	2.1690	2.1720	2.1580	1.8140	1.4230	1.4130	1.5470	1.4315	1.3170	1.4450	2.1160	1.7361
Spot TCO Pool	2.7300	2.9115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.4022
Gas Beyond M	13.4438	13.5601	13.5122	13.2732	13.1569	13.1571	13.1873	13.2480	13.3008	13.4239	13.4825	13.5602	13.4092
Asset Management Ref'd	0.0000	0.0000	0.0000	0.0000	2.7483	2.7014	2.7116	2.6544	2.6157	2.3840	2.4329	0.0000	2.6089
<b>Injection Rate</b>													
ANR FSS	0.0000	0.0000	0.0000	0.0000	0.0126	0.0126	0.0126	0.0126	0.0126	0.0126	0.0126	0.0000	0.0126
Dom GSS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0318	0.0318	0.0318	0.0318	0.0318	0.0318	0.0000	0.0318
Dom GSS TE	0.0000	0.0000	0.0000	0.0000	0.0318	0.0318	0.0318	0.0318	0.0318	0.0318	0.0318	0.0000	0.0318
Transco GSS	0.0000	0.0000	0.0000	0.0000	0.0544	0.0544	0.0544	0.0544	0.0544	0.0544	0.0544	0.0000	0.0544
Transco SS-2	0.0000	0.0000	0.0000	0.0000	0.0319	0.0319	0.0319	0.0319	0.0319	0.0319	0.0319	0.0000	0.0319
Egan FSS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TCO FSS	0.0000	0.0000	0.0000	0.0000	0.0155	0.0155	0.0155	0.0155	0.0155	0.0155	0.0155	0.0000	0.0155
<b>Withdrawal Rate</b>													
ANR FSS	0.0126	0.0126	0.0126	0.0126	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0126	0.0126
Dom GSS	0.0180	0.0180	0.0180	0.0180	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0180
Dom GSS TE	0.0220	0.0220	0.0220	0.0220	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0220
Transco GSS	0.0000	0.0441	0.0441	0.0441	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0441
Transco SS-2	0.0317	0.0317	0.0317	0.0317	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0317
Egan FSS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TCO FSS	0.0153	0.0153	0.0153	0.0153	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0153
<b>Transportation Rate</b>													
ANR FSS-TCO	0.0105	0.0105	0.0105	0.0105	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0105	0.0105
ANR FSS-Tot	0.0105	0.0105	0.0105	0.0105	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0105	0.0105
ANR SE-Egan	0.0139	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0139
ANR SE-TCO	0.0000	0.0000	0.0139	0.0139	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0139
ANR SW-Totco	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0204	0.0000	0.0000	0.0000	0.0000	0.0000	0.0204
FTS-5 FT	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0014
FTS-7 FT	0.0014	0.0014	0.0014	0.0014	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0014	0.0014
Leach FTS	0.0194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0194
Lab FTS	0.0194	0.0194	0.0194	0.0194	0.0000	0.0000	0.0194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0194
Lab NTS	0.0194	0.0194	0.0194	0.0194	0.0000	0.0000	0.0194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0194
LL M1-M3 CDS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0918	0.0000	0.0000	0.0000	0.0000	0.0000	0.0918
M2 M3 CDS	0.0740	0.0740	0.0740	0.0740	0.0740	0.0740	0.0740	0.0740	0.0740	0.0740	0.0740	0.0740	0.0740
M2-M3 FT	0.0740	0.0740	0.0740	0.0740	0.0740	0.0740	0.0740	0.0000	0.0740	0.0740	0.0740	0.0740	0.0740
RIV FT	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SST	0.0194	0.0194	0.0194	0.0194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0194
Transco FT	0.0074	0.0074	0.0074	0.0074	0.0074	0.0074	0.0074	0.0074	0.0074	0.0074	0.0074	0.0074	0.0074
<b>Total Com Vol</b>	5,395,986	6,560,291	5,507,621	4,286,362	2,015,872	1,188,031	795,234	629,467	862,608	683,376	1,737,071	2,863,279	32,322,799
<b>Total Com Cost</b>	12,039,386	16,947,272	13,184,856	10,048,789	3,904,099	2,031,073	1,255,491	1,022,408	1,018,076	980,833	2,996,448	8,842,044	71,288,052
<b>Com Unit Rate</b>	\$2.231	\$2.434	\$2.384	\$2.344	\$1.937	\$1.712	\$1.578	\$1.624	\$1.536	\$1.435	\$1.724	\$2.390	\$2.206
<b>Total Dwn Cost</b>	10,393,209	10,097,217	8,718,027	8,596,184	3,554,202	2,647,174	3,758,015	3,512,693	3,548,031	3,822,014	3,745,630	10,776,707	74,368,192
<b>Dwn Unit Rate</b>	\$1.828	\$1.539	\$1.583	\$2.009	\$1.763	\$3.075	\$4.726	\$5.580	\$5.365	\$5.392	\$2.198	\$3.764	\$2.308
<b>Total System Costs</b>	22,432,574	28,084,489	21,906,883	18,046,974	7,458,297	5,678,249	5,013,506	4,535,102	4,586,107	4,802,947	6,741,078	17,618,751	145,678,054
<b>System Unit Rate</b>	\$4.158	\$3.973	\$3.978	\$4.444	\$3.700	\$4.788	\$6.304	\$7.205	\$6.921	\$7.028	\$3.881	\$6.153	\$4.513

UGI UTILITIES INC. - GAS UTILITIES DIVISION  
PROJECTED PURCHASED GAS COSTS IN (\$)  
UNDER NORMAL WEATHER  
12 MONTH PERIOD - DECEMBER THROUGH NOVEMBER  
DEMAND

	Dec-16	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	TOTAL
<b>Supply</b>													
Options	0	159,143	159,143	159,143	159,143	159,143	159,143	159,143	159,143	159,143	159,143	0	1,891,426
UGI ES Delivered Supply	115,500	115,500	115,500	115,500	115,500	115,500	115,500	115,500	115,500	115,500	115,500	115,500	1,386,000
Transco Delivered Supply	254,975	254,975	254,975	254,975	254,975	254,975	254,975	254,975	254,975	254,975	254,975	254,975	3,010,350
UGIES Peak SVC VI	869,577	869,577	869,577	869,577	0	0	0	0	0	0	0	0	4,447,886
Lafayette Supply	5,354	5,354	5,008	5,354	5,181	5,354	5,181	5,354	5,354	5,181	5,354	5,181	62,210
Lafayette Supply Credit - PNG	(108)	(108)	(101)	(108)	(108)	(108)	(108)	(108)	(108)	(108)	(108)	(108)	(1,279)
Lafayette Supply Credit - CPG	(324)	(324)	(303)	(324)	(314)	(324)	(314)	(324)	(324)	(314)	(324)	(314)	(3,828)
UGI ES Peak SVC I	1,720,000	1,720,000	1,720,000	1,720,000	0	0	0	0	0	0	0	1,720,000	8,600,000
UGI ES Peak SVC II	2,041,667	2,041,667	0	0	0	0	0	0	0	0	0	2,041,667	6,126,000
UGI ES Peak SVC III	1,338,255	1,338,255	1,338,255	1,338,255	0	0	0	0	0	0	0	1,338,255	6,691,275
UGI ES Peak SVC IV	170,021	170,021	170,021	170,021	0	0	0	0	0	0	0	170,021	866,104
Peak SVC	2,336,713	2,336,713	2,336,713	2,336,713	0	0	0	0	0	0	0	2,336,713	11,483,585
UGIES Peak SVC V	700,143	700,143	700,143	700,143	0	0	0	0	0	0	0	1,069,877	3,870,449
<b>Storage Demand</b>													
ANR FSS	117,465	117,465	117,465	117,465	117,465	117,465	117,465	117,465	117,465	117,465	117,465	117,465	1,409,580
Dom GSS	12,417	12,417	12,417	12,417	12,417	12,417	12,417	12,417	12,417	12,417	12,417	12,417	149,008
Dom GSS TE	11,175	11,175	11,175	11,175	11,175	11,175	11,175	11,175	11,175	11,175	11,175	11,175	134,100
Transco GSS	5,451	5,451	5,100	5,451	5,275	5,451	5,275	5,451	5,451	5,275	5,451	5,275	64,360
Transco SS-2	64,353	64,353	60,201	64,353	62,277	64,353	62,277	64,353	64,353	62,277	64,353	62,277	759,783
Egan FSS	0	0	0	0	0	0	0	0	0	0	0	0	0
TCO FSS	172,088	172,088	172,088	172,088	172,088	172,088	172,088	172,088	172,088	172,088	172,088	172,088	2,065,668
<b>Storage Capacity</b>													
ANR FSS	92,667	92,667	92,667	92,667	92,667	92,667	92,667	92,667	92,667	92,667	92,667	92,667	1,112,002
Dom GSS	9,667	9,667	9,667	9,667	9,667	9,667	9,667	9,667	9,667	9,667	9,667	9,667	116,000
Dom GSS TE	13,647	13,647	13,647	13,647	13,647	13,647	13,647	13,647	13,647	13,647	13,647	13,647	163,785
Transco GSS	1,678	1,678	1,570	1,678	1,624	1,678	1,624	1,678	1,678	1,624	1,678	1,624	19,811
Transco SS-2	23,223	23,223	21,725	23,223	22,474	23,223	22,474	23,223	23,223	22,474	23,223	22,474	274,183
Egan FSS	110,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000	1,320,000
TCO FSS	180,085	180,085	180,085	180,085	180,085	180,085	180,085	180,085	180,085	180,085	180,085	180,085	2,201,015
<b>Transportation</b>													
Transco Sentinel FT	120,003	120,003	112,261	120,003	118,132	120,003	118,132	120,003	120,003	116,132	120,003	116,132	1,416,812
Columbia FTS	628,713	628,713	628,713	628,713	628,713	628,713	628,713	628,713	628,713	628,713	628,713	628,713	7,644,656
Columbia NTS	123,330	123,330	123,330	123,330	123,330	123,330	123,330	123,330	123,330	123,330	123,330	123,330	1,479,960
Columbia SST	750,034	750,034	750,034	750,034	375,014	375,014	375,014	375,014	375,014	375,014	750,034	750,034	6,750,284
Columbia GULF FTS-1	0	0	0	0	0	0	0	0	0	0	0	0	0
Texas Eastern CDS	1,071,988	1,071,988	1,071,988	1,071,988	1,071,988	1,071,988	1,071,988	1,071,988	1,071,988	1,071,988	1,071,988	1,071,988	12,862,881
Texas Eastern FT-1	986,854	986,854	986,854	986,854	986,854	986,854	986,854	986,854	986,854	986,854	986,854	986,854	11,842,283
Texas Eastern FT M2 - M3	453,885	453,885	453,885	453,885	453,885	453,885	453,885	453,885	453,885	453,885	453,885	453,885	5,446,820
Texas Eastern LLFT	22,612	22,612	22,612	22,612	22,612	22,612	22,612	22,612	22,612	22,612	22,612	22,612	271,342
Texas Eastern FLEX-X	41,756	41,756	41,756	41,756	41,756	41,756	41,756	41,756	41,756	41,756	41,756	41,756	601,072
Texas Eastern FTS-7	38,667	38,667	38,667	38,667	38,667	38,667	38,667	38,667	38,667	38,667	38,667	38,667	464,003
Texas Eastern FTS-5	34,528	34,528	34,528	34,528	34,528	34,528	34,528	34,528	34,528	34,528	34,528	34,528	414,341
Transco PS-FT	39,695	39,695	37,134	0	0	0	0	0	0	0	0	0	476,525
Transco FT	105,929	105,929	99,095	105,929	102,512	105,929	102,512	105,929	105,929	102,512	105,929	102,512	1,250,844
Transco FTF	92,398	92,398	86,437	92,398	89,418	92,398	89,418	92,398	92,398	89,418	92,398	89,418	1,096,897
ANR FTS-1 FT SW TETCO	116,325	116,325	116,325	116,325	116,325	116,325	116,325	116,325	116,325	116,325	116,325	116,325	1,395,900
ANR FTS-1 Columbia	94,600	94,600	94,600	94,600	94,600	94,600	94,600	94,600	94,600	94,600	94,600	94,600	1,136,200
ANR FTS-1 FT SE Columbia	184,324	184,324	184,324	184,324	107,275	107,275	107,275	107,275	107,275	107,275	184,324	184,324	1,872,846
ANR FTS-1 FT SE TETCO	60,508	60,508	60,508	60,508	30,257	30,257	30,257	30,257	30,257	30,257	60,508	60,508	714,337
ANR FTS-1 Del to Storage	0	0	0	0	128,575	128,575	128,575	128,575	128,575	128,575	128,575	128,575	900,825
ANR FSS Storage Del - COL	30,738	30,738	30,738	30,738	0	0	0	0	0	0	0	30,738	369,660
ANR FSS Storage Del - TETCO	126,900	126,900	126,900	126,900	0	0	0	0	0	0	0	126,900	1,522,800
ANR FSS Storage Del - TETCO LLFT	74,640	74,640	74,640	74,640	0	0	0	0	0	0	0	74,640	895,680
Toiyahanna FT	7,779	7,779	9,931	9,931	6,742	5,441	4,543	4,961	4,585	4,014	5,110	8,979	79,923
UGI Central Penn Gas	42,800	42,800	42,800	42,800	42,800	42,800	42,800	42,800	42,800	42,800	42,800	42,800	513,600
<b>SUBTOTAL</b>	<b>16,634,686</b>	<b>16,796,287</b>	<b>13,708,348</b>	<b>13,714,815</b>	<b>5,948,969</b>	<b>6,948,486</b>	<b>5,948,800</b>	<b>5,948,826</b>	<b>5,948,560</b>	<b>5,946,271</b>	<b>6,344,096</b>	<b>15,842,227</b>	<b>116,838,920</b>
<b>Non-Choice Cap Ret/Sharing Mech Credit</b>	<b>(386,078)</b>	<b>(827,713)</b>	<b>(791,644)</b>	<b>(677,316)</b>	<b>(360,320)</b>	<b>(441,877)</b>	<b>(387,141)</b>	<b>(626,651)</b>	<b>(664,749)</b>	<b>(283,730)</b>	<b>(429,964)</b>	<b>(600,713)</b>	<b>(6,307,324)</b>
<b>Choice Capacity Assignment Credits</b>	<b>(3,824,302)</b>	<b>(3,824,302)</b>	<b>(3,248,812)</b>	<b>(3,248,812)</b>	<b>(3,248,812)</b>	<b>(1,378,198)</b>	<b>(1,378,198)</b>	<b>(1,378,001)</b>	<b>(1,377,983)</b>	<b>(1,377,438)</b>	<b>(1,471,486)</b>	<b>(3,780,838)</b>	<b>(27,726,801)</b>
<b>DS Credits</b>	<b>(983,319)</b>	<b>(897,397)</b>	<b>(816,613)</b>	<b>(725,413)</b>	<b>(641,478)</b>	<b>(423,070)</b>	<b>(349,888)</b>	<b>(372,291)</b>	<b>(376,890)</b>	<b>(388,603)</b>	<b>(617,332)</b>	<b>(734,650)</b>	<b>(7,307,929)</b>
<b>Supplemental #1 Credits</b>	<b>(80,000)</b>	<b>(80,000)</b>	<b>(80,000)</b>	<b>(80,000)</b>	<b>(80,000)</b>	<b>(80,000)</b>	<b>(80,000)</b>	<b>(80,000)</b>	<b>(80,000)</b>	<b>(80,000)</b>	<b>(80,000)</b>	<b>(80,000)</b>	<b>(960,000)</b>
<b>Risk Mgt Tools</b>	<b>911</b>	<b>911</b>	<b>911</b>	<b>911</b>	<b>911</b>	<b>911</b>	<b>911</b>	<b>911</b>	<b>911</b>	<b>911</b>	<b>911</b>	<b>911</b>	<b>10,837</b>
<b>Total Demand Cost</b>	<b>10,393,208</b>	<b>10,097,217</b>	<b>8,716,027</b>	<b>8,998,184</b>	<b>3,884,202</b>	<b>3,647,174</b>	<b>3,758,016</b>	<b>3,812,653</b>	<b>3,546,031</b>	<b>3,822,014</b>	<b>3,746,630</b>	<b>10,776,707</b>	<b>74,628,102</b>

UCI UTILITIES INC. - GAS UTILITIES DIVISION  
PROJECTED PURCHASE GAS COSTS IN (\$)  
UNDER NORMAL WEATHER  
12 MONTH PERIOD - DECEMBER THROUGH NOVEMBER  
COMMUNITY

	Dec-18	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	TOTAL
<b>Supply Cost</b>													
Trigger Flex	0	0	0	0	0	0	0	0	0	0	0	0	0
Trigger Lead	0	0	0	0	0	0	0	0	0	0	0	0	0
MoTmcoCall	0	0	122,568	0	0	0	0	0	0	0	0	0	122,568
Trigger ToP	154,375	154,575	0	0	0	0	0	0	0	0	0	0	308,950
Spot ANR SE	435,809	0	0	0	0	0	0	0	0	0	0	0	435,809
Spot Mid	5,988,930	6,108,354	5,981,268	4,405,299	2,879,719	1,092,922	414,113	58,667	133,878	170,419	1,954,273	4,547,445	32,688,588
Spot Divd Supply	586,650	748,340	79,455	0	0	0	0	0	0	0	0	0	1,614,445
Spot Lasty	1,440,063	1,585,583	1,485,320	1,562,901	1,141,792	1,040,229	999,599	1,130,874	1,046,442	931,685	1,056,311	1,587,065	14,888,473
Spot TCO/Pool	185,209	1,487,834	0	0	0	0	0	0	0	0	0	0	1,683,043
Gas Beyond M	105,955	185,155	145,834	132,000	49,742	70,286	8,818	8,957	10,012	10,885	12,190	58,747	778,338
Asset Management Fleet	0	0	0	0	3,679,893	3,817,036	3,630,700	3,554,179	3,502,254	3,192,069	3,257,984	0	24,433,716
<b>Injection Cost</b>													
ANR FSS	0	0	0	0	5,004	5,004	5,004	5,004	5,004	5,004	5,004	0	36,028
Donr GSS	0	0	0	0	3,029	3,029	3,029	3,029	3,029	3,029	3,029	0	21,200
Donr GSS TE	0	0	0	0	3,582	3,582	3,582	3,582	3,582	3,582	3,582	0	28,141
Transco GSS	0	0	0	0	849	528	869	831	781	758	745	0	8,688
Transco SS-2	0	0	0	0	2,539	4,899	4,187	3,808	4,082	3,554	2,539	0	28,388
Egan FSS	0	0	0	0	0	0	0	0	0	0	0	0	0
TCO FSS	0	0	0	0	11,374	11,374	11,374	11,374	11,374	11,374	11,374	0	79,619
<b>Withdrawal Cost</b>													
ANR FSS	7,356	9,808	7,706	5,254	0	0	0	0	0	0	0	1,554	34,678
Donr GSS	2,984	3,256	2,890	2,452	428	0	0	0	0	0	0	0	12,060
Donr GSS TE	3,560	4,092	3,236	3,582	0	0	0	0	0	0	0	2,506	17,353
Transco GSS	0	1,981	1,621	900	0	0	0	0	0	0	0	0	4,502
Transco SS-2	5,272	7,122	6,318	5,550	0	0	0	0	0	0	0	0	25,271
Egan FSS	0	0	0	0	0	0	0	0	0	0	0	0	0
TCO FSS	13,772	23,918	22,961	17,921	0	0	0	0	0	0	0	0	78,572
<b>Transportation Cost</b>													
ANR FSS-TCO	1,069	1,968	1,560	1,068	0	0	0	0	0	0	0	1,814	8,176
ANR FSS-Tet	4,380	6,412	4,769	2,862	0	0	0	0	0	0	0	2,138	20,396
ANR SE-Egan	2,117	0	0	0	0	0	0	0	0	0	0	0	2,117
ANR SE-TCO	0	0	1,335	719	0	0	0	0	0	0	0	0	2,063
ANR SW-Tmco	0	0	0	0	0	207	0	0	0	0	0	0	207
FTS-5 FT	232	253	224	191	33	0	0	0	0	0	0	0	933
FTS-7 FT	273	255	207	223	0	0	0	0	0	0	0	181	1,085
Leach FTS	1,211	7,347	0	0	0	225	0	0	0	0	0	0	8,882
Lab FTS	3,584	5,012	3,831	3,355	0	89	0	0	0	0	0	2,436	18,309
Lab NTS	510	2,036	825	652	0	102	0	0	0	0	0	468	4,612
LL M1-M3 CDS	0	0	0	0	0	2,229	0	0	0	0	0	0	2,229
M2-M3 CDS	22,940	22,940	21,460	20,720	22,200	22,872	9,596	2,204	5,437	7,442	22,940	22,200	199,910
M2-M3 FT	214,400	214,406	200,574	139,917	79,585	23,310	8,894	0	192	236	56,563	139,318	1,076,324
RV FT	0	0	0	0	0	0	0	0	0	0	0	0	0
SST	17,123	29,753	28,565	22,296	0	0	0	0	0	0	0	0	87,748
Transco FTF	5,363	5,363	5,017	5,363	5,190	5,383	5,190	5,383	5,363	5,190	5,363	5,190	62,318
<b>Subtotal Cost</b>	<b>9,283,864</b>	<b>10,803,444</b>	<b>8,127,377</b>	<b>6,332,781</b>	<b>7,684,768</b>	<b>5,900,844</b>	<b>6,102,828</b>	<b>4,782,881</b>	<b>4,731,419</b>	<b>4,348,328</b>	<b>6,283,818</b>	<b>8,384,683</b>	<b>79,823,121</b>
<b>Injected Value</b>													
ANR FSS	437,826	0	0	0	3,833,277	3,888,748	3,847,338	3,780,672	3,713,343	3,384,305	3,398,071	0	26,224,897
<b>Withdrawal Value</b>	<b>4,691,897</b>	<b>6,901,348</b>	<b>6,339,560</b>	<b>4,877,469</b>	<b>62,806</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,318,396</b>	<b>24,081,052</b>
<b>Choice Bundled Sale Credit</b>													
Choice Bundled Sale Credit	(1,377,470)	(1,837,517)	(1,281,871)	(1,181,431)	0	0	0	0	0	0	0	(831,234)	(6,188,624)
<b>Options Credit</b>													
Options Credit	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Cost</b>	<b>12,038,368</b>	<b>18,987,272</b>	<b>13,184,968</b>	<b>10,048,789</b>	<b>3,994,095</b>	<b>2,031,076</b>	<b>1,268,481</b>	<b>1,022,408</b>	<b>1,018,076</b>	<b>860,933</b>	<b>2,396,448</b>	<b>8,642,044</b>	<b>71,288,952</b>

LI UTILITIES INC. - GAS DIVISION  
RATE IS AND IL  
VOLUME AND COST

	APR-14	MAY-14	JUN-14	JUL-14	AUG-14	SEP-14	OCT-14	NOV-14	DEC-14	JAN-15	FEB-15	MAR-15	TOTAL
VOLUME(DTH)	2,736	(1,026)	48	23	15	18	33	280	1,186	1,313	1,628	1,609	7,863
COST(\$)	12,051	(4,543)	152	67	36	37	67	750	3,861	2,785	4,768	3,735	23,766

UGI UTILITIES INC. - GAS DIVISION  
END USER TRANSPORTATION - DELIVERY SERVICE  
VOLUME

HISTORIC PERIOD	APR-14	MAY-14	JUN-14	JUL-14	AUG-14	SEP-14	OCT-14	NOV-14	DEC-14	JAN-15	FEB-15	MAR-15
VOLUME (DTH)	5,657,845	5,819,709	6,826,798	7,364,227	7,327,989	7,388,779	8,266,263	6,636,595	10,232,584	10,903,268	8,530,080	9,956,824
PROJECTED PERIOD	APR-15	MAY-15	JUN-15	JUL-15	AUG-15	SEP-15	OCT-15	NOV-15				
VOLUME (DTH)	8,152,583	7,189,336	6,889,276	7,082,132	7,007,972	6,655,746	7,977,622	9,029,427				
PROJECTED PERIOD	DEC-15	JAN-16	FEB-16	MAR-16	APR-16	MAY-16	JUN-16	JUL-16	AUG-16	SEP-16	OCT-16	NOV-16
VOLUME (DTH)	10,391,308	10,298,779	9,903,162	9,659,514	8,181,797	7,207,526	6,920,179	7,090,778	7,036,102	6,677,605	7,757,915	8,797,149

UGI UTILITIES, INC. - GAS DIVISION  
6/1/15 SECTION 1307(f) FILING

SECTION 2-A [52 Pa. Code §53.64(c)(3)] OTHER SOURCES OF GAS SUPPLY

A complete listing of sources of gas supply transportation or storage and their costs, including shut-in and curtailed sources of supply, both inside and outside this Commonwealth considered by or offered to the utility but not chosen for use during the past 12 months, which 12-month period shall end 2 months prior to the date of the tariff filing, and the reasons why the gas, transportation or storage was not selected for use as a part of the utility supply mix.

RESPONSE:

The response is applicable to the 12-month period ended March 31, 2015. UGI implements its least cost procurement strategy while balancing reliability and price stability by managing a portfolio of supplies from a diverse set of sources. During the 12-month historic period, April 2014 through March 2015, UGI purchased its supplies, including those utilized for storage injection, from producers and marketers. These purchases were delivered via Firm Transportation on ANR, Columbia, Columbia Gulf, Dominion, Tennessee, Texas Eastern, and Transco; via direct supply from UGI Energy Services; or via peaking facilities directly connected to UGI's distribution system.

Supplies not selected in 2014-2015 fall outside two categories:

(1) Each month, UGI receives bids from producers and marketers for short-term and long-term purchases. Purchases are evaluated using least cost economic dispatch based on the incremental cost of the gas delivered to the city gate via each pipeline route. UGI first buys gas from the lowest cost reliable bidder. If the volume offered at that price is insufficient to meet full requirements or the take away capacity available from that receipt point is insufficient, then the remaining requirements are acquired at the next higher price. This incremental process continues until all requirements are met.



UGI UTILITIES, INC. - GAS DIVISION  
6/1/15 SECTION 1307(f) FILING

In making least cost supply decisions, all variable cost components including the cost of gas, the cost of transportation, and fuel costs are figured into the decision. Some judgment is required in these bid acceptances in matters such as transportation availability, delivery flexibility, producer reliability, available credit of the counterparty, and operational requirements. Attachment 2-A-1 is a listing of the bids for firm purchases including the purchase location, quantity, and cost of gas. The table shows the bids that were accepted or rejected in the 12-month period ending March 31, 2015, as recorded in UGI's gas management system. In addition, Attachment 2-A-2 is a summary of all transportation activities scheduled by UGI on the interstate pipelines each month, including the receipt and delivery locations, quantity, and cost of transportation.

(2) UGI continually evaluates the market competitiveness of its term contracts. UGI regards term contracts as those having multiple months. The choice to maintain or terminate a contract is based on the performance of the supplier, price changes, fixed charges, location of the gas, capacity or cost changes on the connecting pipeline, the competitive nature of the commodity provisions, the ability to deliver the gas at pooling or TABS-1 receipt points and the supply purchase requirements. These contracts are subject to firm deliverability requirements because they supply gas to firm residential and commercial customers with no alternative energy source.

UGI's criteria for firm supply contract selection include, among other measures, competitive prices, prudent price renegotiation provisions, market-out provisions, deliverability warranties or contingencies, and to the extent possible, acceptable creditworthiness assurances and indemnification for liabilities beyond UGI's control.

Row	Purchase Point	Total Rcpt Qty (dth)	Daily Rcpt Qty (dth)	Price/dth	Deal Type	Start Date	End Date	Status
1	Dominion TET - Oakford	112,941	3,765	\$4.0294	Storage	1-Apr-14	30-Apr-14	AC
2	Transco Zone 6 Receipt	215,340	7,178	\$2.4740	Purchase for Resale/Storage	1-Apr-14	30-Apr-14	AC
3	Transco Zone 6 Receipt	308,190	10,273	\$2.7850	Sendout	1-Apr-14	30-Apr-14	AC
4	Dominion TET - North Summit	95,238	3,175	\$4.0294	Storage	1-Apr-14	30-Apr-14	AC
5	Texas Eastern M2	44,000	1,467	\$4.2000	Sendout	1-Apr-14	30-Apr-14	AC
6	Texas Eastern M2	8,000	267	\$4.2000	Sendout	1-Apr-14	30-Apr-14	AC
7	Texas Eastern M2	68,000	2,267	\$4.2000	Sendout	1-Apr-14	30-Apr-14	AC
8	Transco Zone 6 NonNY	300,000	10,000	\$4.4088	Sendout	1-Apr-14	30-Apr-14	AC
9	Columbia FSS	608,668	20,289	\$4.6194	Storage	1-Apr-14	30-Apr-14	AC
10	Columbia FSS	142,825	4,761	\$4.5121	Storage	1-Apr-14	30-Apr-14	AC
11	Texas Eastern M2	465,063	15,502	\$4.1940	Sendout	1-Apr-14	30-Apr-14	AC
12	ANR FSS	392,031	13,068	\$4.7038	Storage	1-Apr-14	30-Apr-14	AC
13	Transco Zone 6 Receipt	21,693	723	\$3.7377	Purchase for Resale	1-Apr-14	30-Apr-14	AC
14	Transco Zone 6 Receipt	38,700	1,290	\$2.7850	Purchase for Resale/Storage	1-Apr-14	30-Apr-14	AC
15	Texas Eastern M2	10,000	10,000	\$4.1050	Sendout	1-Apr-14	1-Apr-14	AC
16	Transco Zone 6 NonNY	7,388	7,388	\$4.4900	Purchase for Resale	1-Apr-14	1-Apr-14	AC
17	Texas Eastern M2	5,766	5,766	\$4.1075	Sendout	1-Apr-14	1-Apr-14	AC
18	Texas Eastern M2	5,000	5,000	\$4.1100	Sendout	1-Apr-14	1-Apr-14	AC
19	Transco Zone 6 Receipt	5,000	5,000	\$3.6500	Purchase for Resale	1-Apr-14	1-Apr-14	AC
20	Transco Zone 4	9,100	9,100	\$4.3700	Purchase for Resale	2-Apr-14	2-Apr-14	AC
21	Texas Eastern M2	15,000	15,000	\$4.0900	Sendout	2-Apr-14	2-Apr-14	AC
22	Texas Eastern M2	5,766	5,766	\$4.0900	Sendout	2-Apr-14	2-Apr-14	AC
23	Transco Zone 6 Receipt	3,000	3,000	\$3.7500	Purchase for Resale	2-Apr-14	2-Apr-14	AC
24	Texas Eastern M2	20,040	20,040	\$4.1275	Sendout	3-Apr-14	3-Apr-14	AC
25	Texas Eastern M2	15,575	15,575	\$4.1400	Sendout	3-Apr-14	3-Apr-14	AC
26	Columbia A06 Pool	15,444	15,444	\$4.2850	Purchase for Resale/Sendout	3-Apr-14	3-Apr-14	AC
27	Texas Eastern M2	5,918	5,918	\$4.1250	Sendout	3-Apr-14	3-Apr-14	AC
28	Texas Eastern M2	7,268	7,268	\$4.1900	Sendout	4-Apr-14	4-Apr-14	AC
29	Columbia A06 Pool	15,444	15,444	\$4.3550	Sendout	4-Apr-14	4-Apr-14	AC
30	Texas Eastern M2	3,115	3,115	\$4.1875	Sendout	4-Apr-14	4-Apr-14	AC
31	Texas Eastern M2	24,921	8,307	\$4.1450	Sendout	5-Apr-14	7-Apr-14	AC
32	Columbia A06 Pool	46,332	15,444	\$4.3450	Sendout	5-Apr-14	7-Apr-14	AC
33	Texas Eastern M2	6,231	2,077	\$4.1350	Sendout	5-Apr-14	7-Apr-14	AC
34	Columbia A06 Pool	15,444	15,444	\$4.4650	Sendout	8-Apr-14	8-Apr-14	AC
35	Transco Zone 6 Receipt	20,000	20,000	\$4.1200	Purchase for Resale	9-Apr-14	9-Apr-14	AC
36	Transco Zone 6 Receipt	10,000	10,000	\$4.1525	Purchase for Resale	10-Apr-14	10-Apr-14	AC
37	Transco Zone 6 Receipt	51,000	17,000	\$3.2300	Purchase for Resale	12-Apr-14	14-Apr-14	AC
38	Texas Eastern M2	4,188	4,188	\$4.1825	Sendout	15-Apr-14	15-Apr-14	AC
39	Texas Eastern M2	1,176	1,176	\$4.1825	Sendout	15-Apr-14	15-Apr-14	AC
40	Texas Eastern M2	5,000	5,000	\$4.1825	Sendout	15-Apr-14	15-Apr-14	AC
41	Texas Eastern M2	11,182	11,182	\$4.1850	Sendout	15-Apr-14	15-Apr-14	AC
42	Texas Eastern M2	9,603	9,603	\$4.1825	Sendout	15-Apr-14	15-Apr-14	AC
43	Columbia A06 Pool	15,444	15,444	\$4.3950	Sendout	15-Apr-14	15-Apr-14	AC
44	Texas Eastern M2	15,574	15,574	\$4.4800	Sendout	16-Apr-14	16-Apr-14	AC
45	Texas Eastern M2	10,383	10,383	\$4.5050	Sendout	16-Apr-14	16-Apr-14	AC
46	Texas Eastern M2	5,192	5,192	\$4.5050	Sendout	16-Apr-14	16-Apr-14	AC
47	Columbia A06 Pool	15,444	15,444	\$4.4500	Sendout	16-Apr-14	16-Apr-14	AC
48	Texas Eastern M2	10,383	10,383	\$4.2150	Sendout	22-Apr-14	22-Apr-14	AC
49	Columbia A06 Pool	15,444	15,444	\$4.5950	Sendout	22-Apr-14	22-Apr-14	AC
50	Columbia A06 Pool	15,444	15,444	\$4.5750	Sendout	23-Apr-14	23-Apr-14	AC
51	Texas Eastern M2	10,383	10,383	\$4.2250	Sendout	24-Apr-14	24-Apr-14	AC
52	Columbia A06 Pool	15,444	15,444	\$4.6450	Sendout	24-Apr-14	24-Apr-14	AC
53	Texas Eastern M2	10,383	10,383	\$3.9100	Sendout	25-Apr-14	25-Apr-14	AC
54	Columbia A06 Pool	15,444	15,444	\$4.6400	Sendout	25-Apr-14	25-Apr-14	AC
55	Texas Eastern M2	31,149	10,383	\$3.4800	Sendout	26-Apr-14	28-Apr-14	AC
56	Columbia A06 Pool	46,332	15,444	\$4.4700	Sendout	26-Apr-14	28-Apr-14	AC
57	Transco Zone 6 Receipt	215,340	7,178	\$2.5340	Sendout	1-Apr-14	30-Apr-14	RJ
58	Transco Zone 6 Receipt	215,340	7,178	\$2.4340	Sendout	1-Apr-14	30-Apr-14	RJ
59	Columbia FSS	142,825	4,607	\$4.7275	Storage	1-May-14	31-May-14	AC
60	Transco Zone 6 Receipt	222,518	7,178	\$2.6850	Purchase for Resale/Storage/Sendout	1-May-14	31-May-14	AC
61	Transco Zone 6 Receipt	250,604	8,084	\$3.4150	Sendout	1-May-14	31-May-14	AC
62	Columbia FSS	608,668	19,634	\$4.8383	Storage	1-May-14	31-May-14	AC
63	ANR FSS	396,978	12,806	\$4.9253	Storage	1-May-14	31-May-14	AC
64	Transco Zone 6 NonNY	186,000	6,000	\$4.0662	Sendout	1-May-14	31-May-14	AC
65	Dominion TET - North Summit	95,238	3,072	\$4.2507	Storage	1-May-14	31-May-14	AC
66	Dominion TET - Oakford	112,941	3,643	\$4.2507	Storage	1-May-14	31-May-14	AC
67	Texas Eastern M2	111,512	3,597	\$3.8700	Sendout	1-May-14	31-May-14	AC
68	Texas Eastern M3	124,000	4,000	\$4.0662	Sendout	1-May-14	31-May-14	AC
69	Transco Zone 6 Receipt	137,991	4,451	\$2.6097	Purchase for Resale/Sendout	1-May-14	31-May-14	AC
70	Columbia A06 Pool	15,925	15,925	\$4.5750	Sendout	2-May-14	2-May-14	AC
71	Columbia A06 Pool	29,763	9,921	\$4.5200	Sendout	3-May-14	5-May-14	AC
72	Columbia A06 Pool	18,012	6,004	\$4.5200	Sendout	3-May-14	5-May-14	AC

Row	Purchase Point	Total Rcpt Qty (dth)	Daily Rcpt Qty (dth)	Price/dth	Deal Type:	Start Date	End Date	Status
73	Columbia A06 Pool	6,131	6,131	\$4.5450	Sendout	6-May-14	6-May-14	AC
74	Columbia A06 Pool	9,794	9,794	\$4.5450	Sendout	6-May-14	6-May-14	AC
75	Texas Eastern M2	20,766	20,766	\$3.8750	Sendout	6-May-14	6-May-14	AC
76	Transco Zone 6 Receipt	12,000	12,000	\$2.1675	Purchase for Resale	14-May-14	14-May-14	AC
77	Transco Zone 6 Receipt	10,000	10,000	\$2.1800	Purchase for Resale	15-May-14	15-May-14	AC
78	Transco Zone 6 Receipt	20,000	20,000	\$2.1100	Purchase for Resale	16-May-14	16-May-14	AC
79	Transco Zone 6 Receipt	60,000	20,000	\$2.0750	Purchase for Resale	17-May-14	19-May-14	AC
80	Columbia A06 Pool	5,098	5,098	\$3.2000	Purchase for Resale	29-May-14	29-May-14	AC
81	Texas Eastern M2	4,000	4,000	\$3.8700	Sendout	29-May-14	29-May-14	AC
82	Texas Eastern M2	8,000	4,000	\$3.8700	Sendout	30-May-14	31-May-14	AC
83	Transco Zone 6 Receipt	222,518	7,178	\$2.7450	Sendout	1-May-14	31-May-14	RJ
84	Transco Zone 6 Receipt	222,518	7,178	\$2.6450	Sendout	1-May-14	31-May-14	RJ
85	ANR FSS	396,978	13,233	\$4.7406	Storage	1-Jun-14	30-Jun-14	AC
86	Dominion TET - North Summit	95,238	3,175	\$4.0661	Storage	1-Jun-14	30-Jun-14	AC
87	Dominion TET - Oakford	112,941	3,765	\$4.0661	Storage	1-Jun-14	30-Jun-14	AC
88	Transco Zone 6 Receipt	253,560	8,452	\$2.5150	Purchase for Resale/Sendout	1-Jun-14	30-Jun-14	AC
89	Transco Zone 6 Receipt	215,340	7,178	\$2.5090	Purchase for Resale/Storage/Sendout	1-Jun-14	30-Jun-14	AC
90	Transco Zone 6 Receipt	105,420	3,514	\$2.5150	Sendout	1-Jun-14	30-Jun-14	AC
91	Columbia FSS	608,668	20,289	\$4.6557	Storage	1-Jun-14	30-Jun-14	AC
92	Columbia FSS	142,825	4,761	\$4.5478	Storage	1-Jun-14	30-Jun-14	AC
93	Texas Eastern M2	8,000	4,000	\$3.1700	Sendout	1-Jun-14	2-Jun-14	AC
94	Transco Zone 6 Receipt	6,014	3,007	\$2.1150	Purchase for Resale	1-Jun-14	2-Jun-14	AC
95	Texas Eastern M2	112,000	4,000	\$3.1700	Sendout	3-Jun-14	30-Jun-14	AC
96	Columbia A06 Pool	15,293	15,293	\$3.0500	Purchase for Resale	3-Jun-14	3-Jun-14	AC
97	Columbia A06 Pool	5,098	5,098	\$3.3000	Purchase for Resale	4-Jun-14	4-Jun-14	AC
98	Tennessee Zone 4 Delivered	800	800	\$3.3500	Purchase for Resale	5-Jun-14	5-Jun-14	AC
99	Columbia A06 Pool	10,196	10,196	\$3.2900	Purchase for Resale/Sendout	5-Jun-14	5-Jun-14	AC
100	Tennessee Zone 4 Delivered	1,000	1,000	\$3.3000	Purchase for Resale	6-Jun-14	6-Jun-14	AC
101	Tennessee Zone 4 Delivered	1,300	1,300	\$3.2500	Purchase for Resale	10-Jun-14	10-Jun-14	AC
102	Tennessee Zone 4 Delivered	1,341	1,341	\$3.1000	Purchase for Resale	11-Jun-14	11-Jun-14	AC
103	Columbia A06 Pool	1,020	1,020	\$2.9000	Sendout	16-Jun-14	16-Jun-14	AC
104	Transco Zone 6 Receipt	215,340	7,178	\$2.5690	Sendout	1-Jun-14	30-Jun-14	RJ
105	Transco Zone 6 Receipt	215,340	7,178	\$2.4690	Sendout	1-Jun-14	30-Jun-14	RJ
106	Dominion TET - Oakford	112,941	3,643	\$3.8364	Storage	1-Jul-14	31-Jul-14	AC
107	Dominion TET - North Summit	95,238	3,072	\$3.8364	Storage	1-Jul-14	31-Jul-14	AC
108	Transco Zone 6 Receipt	70,184	2,264	\$2.2550	Sendout	1-Jul-14	31-Jul-14	AC
109	Columbia FSS	608,668	19,634	\$4.4286	Storage	1-Jul-14	31-Jul-14	AC
110	Texas Eastern M2	124,000	4,000	\$2.9000	Sendout	1-Jul-14	31-Jul-14	AC
111	Columbia FSS	142,825	4,607	\$4.3243	Storage	1-Jul-14	31-Jul-14	AC
112	ANR FSS	396,978	12,806	\$4.5107	Storage	1-Jul-14	31-Jul-14	AC
113	Transco Zone 6 Receipt	15,779	509	\$2.2550	Purchase for Resale	1-Jul-14	31-Jul-14	AC
114	Transco Zone 6 Receipt	222,518	7,178	\$2.2900	Purchase for Resale/Storage/Sendout	1-Jul-14	31-Jul-14	AC
115	Transco Zone 6 Receipt	278,850	9,295	\$2.3002	Sendout	2-Jul-14	31-Jul-14	AC
116	ANR SE Headstation	100	100	\$4.3300	Storage	3-Jul-14	3-Jul-14	AC
117	Columbia Gulf Mainline Pool	100	100	\$4.2950	Storage	3-Jul-14	3-Jul-14	AC
118	Texas Eastern WLA	100	100	\$4.3750	Storage	3-Jul-14	3-Jul-14	AC
119	ANR SE Headstation	20,092	5,023	\$4.2400	Storage	4-Jul-14	7-Jul-14	AC
120	Columbia Gulf Mainline Pool	4,564	1,141	\$4.2000	Storage	4-Jul-14	7-Jul-14	AC
121	Egan Storage	10,856	2,714	\$4.2384	Storage	4-Jul-14	7-Jul-14	AC
122	Egan Storage	36,072	9,018	\$4.2384	Storage	4-Jul-14	7-Jul-14	AC
123	Columbia Gulf Mainline Pool	3,423	1,141	\$4.0250	Storage	12-Jul-14	14-Jul-14	AC
124	Egan Storage	27,225	9,075	\$4.0624	Storage	12-Jul-14	14-Jul-14	AC
125	Columbia A06 Pool	10,196	10,196	\$2.1000	Purchase for Resale/Sendout	31-Jul-14	31-Jul-14	AC
126	Transco Zone 6 Receipt	222,518	7,178	\$2.3500	Sendout	1-Jul-14	31-Jul-14	RJ
127	Transco Zone 6 Receipt	222,518	7,178	\$2.2500	Sendout	1-Jul-14	31-Jul-14	RJ
128	Texas Eastern M2	124,000	4,000	\$2.4200	Sendout	1-Aug-14	31-Aug-14	AC
129	Transco Zone 6 Receipt	222,518	7,178	\$1.6980	Purchase for Resale/Storage/Sendout	1-Aug-14	31-Aug-14	AC
130	Transco Zone 6 Receipt	178,127	5,746	\$1.9613	Sendout	1-Aug-14	31-Aug-14	AC
131	Transco Zone 6 Receipt	11,346	366	\$2.1150	Purchase for Resale	1-Aug-14	31-Aug-14	AC
132	ANR FSS	396,978	12,806	\$3.8893	Storage	1-Aug-14	31-Aug-14	AC
133	Dominion TET - North Summit	95,238	3,072	\$3.2170	Storage	1-Aug-14	31-Aug-14	AC
134	Dominion TET - Oakford	112,941	3,643	\$3.2170	Storage	1-Aug-14	31-Aug-14	AC
135	Columbia FSS	608,668	19,634	\$3.8146	Storage	1-Aug-14	31-Aug-14	AC
136	Columbia FSS	142,825	4,607	\$3.7200	Storage	1-Aug-14	31-Aug-14	AC
137	Columbia A06 Pool	12,234	4,078	\$2.2000	Purchase for Resale	9-Aug-14	11-Aug-14	AC
138	Columbia A06 Pool	3,466	3,466	\$2.5200	Purchase for Resale	19-Aug-14	19-Aug-14	AC
139	Columbia A06 Pool	10,195	10,195	\$2.4500	Purchase for Resale	20-Aug-14	20-Aug-14	AC
140	Columbia A06 Pool	10,195	10,195	\$2.3400	Purchase for Resale	21-Aug-14	21-Aug-14	AC
141	Columbia A06 Pool	3,059	3,059	\$2.2500	Purchase for Resale	22-Aug-14	22-Aug-14	AC
142	Columbia A06 Pool	5,098	5,098	\$2.2200	Purchase for Resale	22-Aug-14	22-Aug-14	AC
143	Columbia Gulf Mainline Pool	1,141	1,141	\$3.8625	Storage	22-Aug-14	22-Aug-14	AC
144	Egan Storage	9,288	9,288	\$3.8982	Storage	22-Aug-14	22-Aug-14	AC

Row	Purchase Point	Total Rcpt Qty (dth)	Daily Rcpt Qty (dth)	Price/dth	Deal Type	Start Date	End Date	Status
145	Transco Zone 6 Receipt	222,518	7,178	\$1.7580	Sendout	1-Aug-14	31-Aug-14	RJ
146	Transco Zone 6 Receipt	222,518	7,178	\$1.6580	Sendout	1-Aug-14	31-Aug-14	RJ
147	Texas Eastern M2	120,000	4,000	\$2.0300	Sendout	1-Sep-14	30-Sep-14	AC
148	Transco Zone 6 Receipt	55,290	1,843	\$1.8650	Sendout	1-Sep-14	30-Sep-14	AC
149	Transco Zone 6 Receipt	215,340	7,178	\$1.8470	Purchase for Resale/Sendout	1-Sep-14	30-Sep-14	AC
150	Transco Zone 6 Receipt	12,750	425	\$1.8650	Purchase for Resale	1-Sep-14	30-Sep-14	AC
151	Transco Zone 6 Receipt	182,957	6,099	\$2.0380	Purchase for Resale/Sendout	1-Sep-14	30-Sep-14	AC
152	Texas Eastern M3	75,000	2,500	\$1.7949	Sendout	1-Sep-14	30-Sep-14	AC
153	ANR FSS	396,978	13,233	\$4.0457	Storage	1-Sep-14	30-Sep-14	AC
154	Dominion TET - North Summit	95,238	3,175	\$3.3733	Storage	1-Sep-14	30-Sep-14	AC
155	Dominion TET - Oakford	112,941	3,765	\$3.3733	Storage	1-Sep-14	30-Sep-14	AC
156	Columbia FSS	142,825	4,761	\$3.8721	Storage	1-Sep-14	30-Sep-14	AC
157	Columbia FSS	608,668	20,289	\$3.9691	Storage	1-Sep-14	30-Sep-14	AC
158	Columbia A06 Pool	5,098	2,549	\$2.3000	Purchase for Resale	1-Sep-14	2-Sep-14	AC
159	Columbia A06 Pool	10,196	5,098	\$2.2500	Purchase for Resale/Sendout	1-Sep-14	2-Sep-14	AC
160	Columbia A06 Pool	10,196	10,196	\$2.6500	Purchase for Resale/Sendout	3-Sep-14	3-Sep-14	AC
161	Columbia A06 Pool	6,132	6,132	\$2.6500	Purchase for Resale	3-Sep-14	3-Sep-14	AC
162	Columbia Delivered	3,986	3,986	\$2.8600	Purchase for Resale	3-Sep-14	3-Sep-14	AC
163	Columbia A06 Pool	6,117	6,117	\$2.6500	Purchase for Resale	4-Sep-14	4-Sep-14	AC
164	Columbia A06 Pool	5,098	5,098	\$2.6400	Purchase for Resale	4-Sep-14	4-Sep-14	AC
165	Columbia A06 Pool	5,098	5,098	\$2.4800	Purchase for Resale	5-Sep-14	5-Sep-14	AC
166	Columbia A06 Pool	5,098	5,098	\$2.4600	Purchase for Resale	5-Sep-14	5-Sep-14	AC
167	Columbia A06 Pool	45,882	15,294	\$1.8400	Purchase for Resale/Sendout	6-Sep-14	8-Sep-14	AC
168	Columbia Gulf Mainline Pool	3,423	1,141	\$3.7700	Sendout	6-Sep-14	8-Sep-14	AC
169	Egan Storage	8,271	2,757	\$3.8052	Sendout	6-Sep-14	8-Sep-14	AC
170	Egan Storage	27,864	9,288	\$3.8052	Sendout	6-Sep-14	8-Sep-14	AC
171	Columbia A06 Pool	16,328	16,328	\$2.3300	Purchase for Resale	9-Sep-14	9-Sep-14	AC
172	Columbia Delivered	3,985	3,985	\$2.4700	Purchase for Resale	9-Sep-14	9-Sep-14	AC
173	Columbia Delivered	4,600	4,600	\$2.5250	Purchase for Resale	9-Sep-14	9-Sep-14	AC
174	Columbia A06 Pool	1,035	1,035	\$2.6500	Purchase for Resale	10-Sep-14	10-Sep-14	AC
175	Columbia A06 Pool	15,293	15,293	\$2.5500	Purchase for Resale	10-Sep-14	10-Sep-14	AC
176	Columbia Delivered	8,610	8,610	\$2.8300	Purchase for Resale	10-Sep-14	10-Sep-14	AC
177	Columbia A06 Pool	16,328	16,328	\$2.8700	Purchase for Resale	11-Sep-14	11-Sep-14	AC
178	Columbia Delivered	3,985	3,985	\$3.0150	Purchase for Resale	11-Sep-14	11-Sep-14	AC
179	Columbia Gulf Mainline Pool	3,423	1,141	\$3.7400	Sendout	13-Sep-14	15-Sep-14	AC
180	Egan Storage	8,271	2,757	\$3.7851	Sendout	13-Sep-14	15-Sep-14	AC
181	Egan Storage	27,864	9,288	\$3.7750	Sendout	13-Sep-14	15-Sep-14	AC
182	Texas Eastern M2	3,383	3,383	\$2.4250	Sendout	16-Sep-14	16-Sep-14	AC
183	Texas Eastern M2	7,000	7,000	\$2.4200	Sendout	16-Sep-14	16-Sep-14	AC
184	Texas Eastern M2	10,383	10,383	\$2.3275	Sendout	17-Sep-14	17-Sep-14	AC
185	Texas Eastern M2	10,383	10,383	\$2.2950	Sendout	18-Sep-14	18-Sep-14	AC
186	Columbia A06 Pool	10,196	10,196	\$1.9900	Purchase for Resale/Sendout	23-Sep-14	23-Sep-14	AC
187	Columbia A06 Pool	10,196	10,196	\$1.8300	Purchase for Resale/Sendout	24-Sep-14	24-Sep-14	AC
188	Columbia A06 Pool	10,196	10,196	\$1.7000	Purchase for Resale/Sendout	25-Sep-14	25-Sep-14	AC
189	Columbia Gulf Mainline Pool	1,141	1,141	\$3.8050	Sendout	25-Sep-14	25-Sep-14	AC
190	ANR SE Headstation	5,023	5,023	\$3.8000	Sendout	25-Sep-14	25-Sep-14	AC
191	Egan Storage	2,757	2,757	\$3.8404	Sendout	25-Sep-14	25-Sep-14	AC
192	Egan Storage	9,288	9,288	\$3.8404	Sendout	25-Sep-14	25-Sep-14	AC
193	Columbia A06 Pool	30,588	10,196	\$1.5000	Purchase for Resale/Sendout	27-Sep-14	29-Sep-14	AC
194	Columbia A06 Pool	15,294	5,098	\$1.5000	Purchase for Resale/Sendout	27-Sep-14	29-Sep-14	AC
195	Columbia A06 Pool	6,133	6,133	\$1.8500	Purchase for Resale	30-Sep-14	30-Sep-14	AC
196	Columbia A06 Pool	10,196	10,196	\$1.8000	Purchase for Resale/Sendout	30-Sep-14	30-Sep-14	AC
197	Columbia Delivered	3,985	3,985	\$1.9350	Purchase for Resale	30-Sep-14	30-Sep-14	AC
198	Transco Zone 6 Receipt	215,340	7,178	\$1.9070	Sendout	1-Sep-14	30-Sep-14	RJ
199	Transco Zone 6 Receipt	215,340	7,178	\$1.8070	Sendout	1-Sep-14	30-Sep-14	RJ
200	Texas Eastern M2	124,000	4,000	\$2.0200	Sendout	1-Oct-14	31-Oct-14	AC
201	Transco Zone 6 Receipt	222,518	7,178	\$1.8740	Purchase for Resale/Storage/Sendout	1-Oct-14	31-Oct-14	AC
202	Transco Zone 6 Receipt	300,731	9,701	\$1.9450	Sendout	1-Oct-14	31-Oct-14	AC
203	Transco Zone 6 Receipt	13,640	440	\$1.9450	Purchase for Resale	1-Oct-14	31-Oct-14	AC
204	Transco Zone 6 Receipt	60,917	1,965	\$1.9648	Purchase for Resale/Sendout	1-Oct-14	31-Oct-14	AC
205	Transco Zone 6 NonNY	310,000	10,000	\$2.1481	Sendout	1-Oct-14	31-Oct-14	AC
206	ANR FSS	396,978	12,806	\$4.0743	Storage	1-Oct-14	31-Oct-14	AC
207	Dominion TET - North Summit	95,238	3,072	\$3.4019	Storage	1-Oct-14	31-Oct-14	AC
208	Dominion TET - Oakford	112,941	3,643	\$3.4019	Storage	1-Oct-14	31-Oct-14	AC
209	Columbia FSS	142,825	4,607	\$3.8998	Storage	1-Oct-14	31-Oct-14	AC
210	Columbia FSS	608,668	19,634	\$3.9974	Storage	1-Oct-14	31-Oct-14	AC
211	Columbia A06 Pool	2,549	2,549	\$1.9400	Purchase for Resale	1-Oct-14	1-Oct-14	AC
212	Columbia A06 Pool	10,196	10,196	\$1.9300	Purchase for Resale	1-Oct-14	1-Oct-14	AC
213	Columbia A06 Pool	4,078	4,078	\$2.0500	Purchase for Resale	2-Oct-14	2-Oct-14	AC
214	Columbia A06 Pool	10,196	10,196	\$2.1250	Purchase for Resale	2-Oct-14	2-Oct-14	AC
215	Columbia Gulf Mainline Pool	3,423	1,141	\$3.8400	Storage	4-Oct-14	6-Oct-14	AC
216	ANR SE Headstation	15,069	5,023	\$3.8200	Storage	4-Oct-14	6-Oct-14	AC

Row	Purchase Point	Total Rcpt Qty (dth)	Daily Rcpt Qty (dth)	Price/dth	Deal Type	Start Date	End Date	Status
217	Egan Storage	8,529	2,843	\$3.8758	Storage	4-Oct-14	6-Oct-14	AC
218	Egan Storage	27,864	9,288	\$3.8758	Storage	4-Oct-14	6-Oct-14	AC
219	Columbia A06 Pool	10,196	10,196	\$1.7300	Purchase for Resale	7-Oct-14	7-Oct-14	AC
220	Columbia A06 Pool	5,976	5,976	\$1.7300	Purchase for Resale	7-Oct-14	7-Oct-14	AC
221	Columbia Gulf Mainline Pool	1,141	1,141	\$3.8300	Storage	7-Oct-14	7-Oct-14	AC
222	ANR SE Headstation	5,023	5,023	\$3.8300	Storage	7-Oct-14	7-Oct-14	AC
223	Egan Storage	2,843	2,843	\$3.8657	Storage	7-Oct-14	7-Oct-14	AC
224	Columbia Delivered	4,138	4,138	\$1.8400	Purchase for Resale	7-Oct-14	7-Oct-14	AC
225	Egan Storage	9,288	9,288	\$3.8657	Storage	7-Oct-14	7-Oct-14	AC
226	Columbia A06 Pool	10,196	10,196	\$1.7500	Purchase for Resale	8-Oct-14	8-Oct-14	AC
227	Columbia A06 Pool	5,976	5,976	\$1.6900	Purchase for Resale	8-Oct-14	8-Oct-14	AC
228	Columbia Delivered	9,138	9,138	\$1.8000	Purchase for Resale	8-Oct-14	8-Oct-14	AC
229	Columbia Gulf Mainline Pool	3,423	1,141	\$3.7650	Storage	11-Oct-14	13-Oct-14	AC
230	ANR SE Headstation	15,069	5,023	\$3.8100	Storage	11-Oct-14	13-Oct-14	AC
231	Egan Storage	8,529	2,843	\$3.8003	Storage	11-Oct-14	13-Oct-14	AC
232	Egan Storage	27,864	9,288	\$3.8003	Storage	11-Oct-14	13-Oct-14	AC
233	Columbia A06 Pool	48,516	16,172	\$1.7000	Purchase for Resale	25-Oct-14	27-Oct-14	AC
234	Columbia Delivered	3,414	1,138	\$1.8200	Purchase for Resale	25-Oct-14	27-Oct-14	AC
235	Columbia Delivered	6,600	2,200	\$1.8700	Purchase for Resale	25-Oct-14	27-Oct-14	AC
236	Columbia A06 Pool	16,172	16,172	\$1.9000	Purchase for Resale	29-Oct-14	29-Oct-14	AC
237	Columbia Delivered	4,138	4,138	\$2.0400	Purchase for Resale	29-Oct-14	29-Oct-14	AC
238	Columbia Delivered	2,555	2,555	\$2.0550	Purchase for Resale	29-Oct-14	29-Oct-14	AC
239	Transco Zone 6 Receipt	222,518	7,178	\$1.9340	Sendout	1-Oct-14	31-Oct-14	RJ
240	Transco Zone 6 Receipt	222,518	7,178	\$1.8340	Sendout	1-Oct-14	31-Oct-14	RJ
241	Texas Eastern M2	120,000	4,000	\$2.5280	Sendout	1-Nov-14	30-Nov-14	AC
242	Texas Eastern M2	311,490	10,383	\$2.1980	Sendout	1-Nov-14	30-Nov-14	AC
243	ANR SW Headstation	267,900	8,930	\$3.6905	Sendout	1-Nov-14	30-Nov-14	AC
244	Transco Zone 6 Receipt	420,000	14,000	\$2.1480	Sendout	1-Nov-14	30-Nov-14	AC
245	Transco Zone 6 Receipt	52,790	1,760	\$2.7447	Purchase for Resale	1-Nov-14	30-Nov-14	AC
246	Transco Zone 6 Receipt	98,280	3,276	\$1.9450	Purchase for Resale/Storage	1-Nov-14	30-Nov-14	AC
247	Transco Zone 6 NonNY	300,000	10,000	\$2.2415	Sendout	1-Nov-14	30-Nov-14	AC
248	Columbia A06 Pool	10,196	10,196	\$2.4900	Purchase for Resale	4-Nov-14	4-Nov-14	AC
249	Columbia A06 Pool	10,195	10,195	\$2.5000	Purchase for Resale	5-Nov-14	5-Nov-14	AC
250	Columbia A06 Pool	10,196	10,196	\$3.0000	Purchase for Resale/Sendout	6-Nov-14	6-Nov-14	AC
251	Texas Eastern M2	5,192	5,192	\$2.8500	Sendout	6-Nov-14	6-Nov-14	AC
252	Columbia A06 Pool	10,195	10,195	\$3.0000	Purchase for Resale	6-Nov-14	6-Nov-14	AC
253	Texas Eastern M2	31,149	31,149	\$3.6250	Sendout	7-Nov-14	7-Nov-14	AC
254	Columbia A06 Pool	10,195	10,195	\$3.5500	Purchase for Resale	7-Nov-14	7-Nov-14	AC
255	Texas Eastern M2	10,383	10,383	\$3.4500	Sendout	7-Nov-14	7-Nov-14	AC
256	Texas Eastern M2	79,599	26,533	\$3.3050	Sendout	8-Nov-14	10-Nov-14	AC
257	Columbia A06 Pool	30,585	10,195	\$3.1600	Purchase for Resale	8-Nov-14	10-Nov-14	AC
258	Texas Eastern M2	44,809	14,936	\$3.3000	Sendout	8-Nov-14	10-Nov-14	AC
259	Texas Eastern M2	20,000	20,000	\$3.4450	Sendout	11-Nov-14	11-Nov-14	AC
260	Texas Eastern M2	11,150	11,150	\$3.4500	Sendout	11-Nov-14	11-Nov-14	AC
261	Texas Eastern M2	10,383	10,383	\$3.4475	Sendout	11-Nov-14	11-Nov-14	AC
262	Texas Eastern M2	10,000	10,000	\$3.5575	Sendout	12-Nov-14	12-Nov-14	AC
263	Columbia A06 Pool	20,000	20,000	\$3.6000	Sendout	12-Nov-14	12-Nov-14	AC
264	Texas Eastern M2	10,383	10,383	\$3.5625	Sendout	12-Nov-14	12-Nov-14	AC
265	Texas Eastern M2	781	781	\$3.5600	Sendout	12-Nov-14	12-Nov-14	AC
266	Texas Eastern M2	10,000	10,000	\$3.7550	Sendout	13-Nov-14	13-Nov-14	AC
267	Columbia A06 Pool	17,000	17,000	\$3.8450	Sendout	13-Nov-14	13-Nov-14	AC
268	Texas Eastern M2	10,000	10,000	\$3.7600	Sendout	13-Nov-14	13-Nov-14	AC
269	Texas Eastern M2	25,000	25,000	\$3.7600	Sendout	13-Nov-14	13-Nov-14	AC
270	Texas Eastern M2	10,383	10,383	\$3.7600	Sendout	13-Nov-14	13-Nov-14	AC
271	Columbia A06 Pool	15,701	15,701	\$3.8700	Purchase for Resale	14-Nov-14	14-Nov-14	AC
272	Texas Eastern M2	15,000	15,000	\$3.7475	Sendout	14-Nov-14	14-Nov-14	AC
273	Texas Eastern M2	40,000	40,000	\$3.7475	Sendout	14-Nov-14	14-Nov-14	AC
274	Texas Eastern M2	10,383	10,383	\$3.7500	Sendout	14-Nov-14	14-Nov-14	AC
275	Texas Eastern M2	7,299	7,299	\$3.8400	Sendout	14-Nov-14	14-Nov-14	AC
276	Columbia Tco Pool	67,821	22,607	\$4.0800	Sendout	15-Nov-14	17-Nov-14	AC
277	Columbia A06 Pool	31,602	10,534	\$3.4650	Sendout	15-Nov-14	17-Nov-14	AC
278	Texas Eastern M2	45,000	15,000	\$3.3675	Sendout	15-Nov-14	17-Nov-14	AC
279	Texas Eastern M2	166,506	55,502	\$3.3650	Sendout	15-Nov-14	17-Nov-14	AC
280	Texas Eastern M2	31,149	10,383	\$3.3675	Sendout	15-Nov-14	17-Nov-14	AC
281	Columbia A06 Pool	11,555	11,555	\$4.2950	Sendout	18-Nov-14	18-Nov-14	AC
282	Texas Eastern M2	15,000	15,000	\$4.2150	Sendout	18-Nov-14	18-Nov-14	AC
283	Texas Eastern M2	50,000	50,000	\$4.2100	Sendout	18-Nov-14	18-Nov-14	AC
284	Columbia Tco Pool	4,078	4,078	\$4.3750	Sendout	18-Nov-14	18-Nov-14	AC
285	Texas Eastern M2	10,383	10,383	\$4.2175	Sendout	18-Nov-14	18-Nov-14	AC
286	Columbia Tco Pool	17,508	17,508	\$4.3750	Sendout	18-Nov-14	18-Nov-14	AC
287	Texas Eastern M2	5,000	5,000	\$4.2175	Sendout	18-Nov-14	18-Nov-14	AC
288	Columbia A06 Pool	6,456	6,456	\$4.1600	Sendout	19-Nov-14	19-Nov-14	AC

Row	Purchase Point	Total Rcpt Qty (dth)	Daily Rcpt Qty (dth)	Price/dth	Deal Type	Start Date	End Date	Status
289	Texas Eastern M2	20,502	20,502	\$4.0700	Sendout	19-Nov-14	19-Nov-14	AC
290	Texas Eastern M2	50,000	50,000	\$4.0750	Sendout	19-Nov-14	19-Nov-14	AC
291	Columbia Tco Pool	4,078	4,078	\$4.3900	Sendout	19-Nov-14	19-Nov-14	AC
292	Texas Eastern M2	10,383	10,383	\$4.0625	Sendout	19-Nov-14	19-Nov-14	AC
293	Columbia Tco Pool	22,604	22,604	\$4.4100	Sendout	19-Nov-14	19-Nov-14	AC
294	Columbia Delivered	8,526	8,526	\$5.5000	Purchase for Resale	19-Nov-14	19-Nov-14	AC
295	Columbia Tco Pool	16,336	16,336	\$4.4600	Sendout	20-Nov-14	20-Nov-14	AC
296	Texas Eastern M2	5,503	5,503	\$4.0150	Sendout	20-Nov-14	20-Nov-14	AC
297	Texas Eastern M2	15,000	15,000	\$4.0075	Sendout	20-Nov-14	20-Nov-14	AC
298	Columbia A06 Pool	15,293	15,293	\$4.1550	Sendout	20-Nov-14	20-Nov-14	AC
299	Texas Eastern M2	50,000	50,000	\$4.0150	Sendout	20-Nov-14	20-Nov-14	AC
300	Columbia Tco Pool	1,512	1,512	\$4.4650	Sendout	20-Nov-14	20-Nov-14	AC
301	Texas Eastern M2	10,383	10,383	\$4.0050	Sendout	20-Nov-14	20-Nov-14	AC
302	Columbia Delivered	1,377	1,377	\$4.4250	Purchase for Resale	20-Nov-14	20-Nov-14	AC
303	Texas Eastern M2	14,748	14,748	\$3.9650	Sendout	21-Nov-14	21-Nov-14	AC
304	Texas Eastern M2	15,000	15,000	\$3.9600	Sendout	21-Nov-14	21-Nov-14	AC
305	Columbia A06 Pool	20,391	20,391	\$4.0800	Sendout	21-Nov-14	21-Nov-14	AC
306	Texas Eastern M2	40,000	40,000	\$3.9600	Sendout	21-Nov-14	21-Nov-14	AC
307	Columbia A06 Pool	12,749	12,749	\$4.3600	Sendout	21-Nov-14	21-Nov-14	AC
308	Texas Eastern M2	10,383	10,383	\$3.9550	Sendout	21-Nov-14	21-Nov-14	AC
309	Columbia Delivered	2,542	2,542	\$4.5950	Purchase for Resale	21-Nov-14	21-Nov-14	AC
310	Columbia Tco Pool	33,354	11,118	\$4.2750	Sendout	22-Nov-14	24-Nov-14	AC
311	Texas Eastern M2	60,000	20,000	\$2.9550	Sendout	22-Nov-14	24-Nov-14	AC
312	Columbia A06 Pool	61,173	20,391	\$3.0600	Sendout	22-Nov-14	24-Nov-14	AC
313	Texas Eastern M2	120,000	40,000	\$2.9575	Sendout	22-Nov-14	24-Nov-14	AC
314	Columbia Tco Pool	4,893	1,631	\$4.2650	Sendout	22-Nov-14	24-Nov-14	AC
315	Texas Eastern M2	62,655	20,885	\$2.9600	Sendout	22-Nov-14	24-Nov-14	AC
316	Columbia A06 Pool	30,586	30,586	\$3.2700	Sendout	25-Nov-14	25-Nov-14	AC
317	Texas Eastern M2	10,000	10,000	\$3.1650	Sendout	25-Nov-14	25-Nov-14	AC
318	Texas Eastern M2	18,500	18,500	\$3.1600	Sendout	25-Nov-14	25-Nov-14	AC
319	Texas Eastern M2	11,000	11,000	\$3.1650	Sendout	25-Nov-14	25-Nov-14	AC
320	Texas Eastern M2	40,000	40,000	\$3.1650	Sendout	25-Nov-14	25-Nov-14	AC
321	Columbia Tco Pool	2,554	2,554	\$4.0450	Sendout	25-Nov-14	25-Nov-14	AC
322	Texas Eastern M2	1,385	1,385	\$3.1650	Sendout	25-Nov-14	25-Nov-14	AC
323	Columbia Tco Pool	26,370	5,274	\$4.1000	Sendout	26-Nov-14	30-Nov-14	AC
324	Columbia A06 Pool	76,470	15,294	\$3.5100	Sendout	26-Nov-14	30-Nov-14	AC
325	Texas Eastern M2	200,000	40,000	\$3.3850	Sendout	26-Nov-14	30-Nov-14	AC
326	Texas Eastern M2	27,510	5,502	\$3.5700	Sendout	26-Nov-14	30-Nov-14	AC
327	Texas Eastern M2	125,000	25,000	\$3.3850	Sendout	26-Nov-14	30-Nov-14	AC
328	Columbia A06 Pool	47,570	9,514	\$3.9850	Sendout	26-Nov-14	30-Nov-14	AC
329	Columbia Tco Pool	15,290	3,058	\$4.0825	Sendout	26-Nov-14	30-Nov-14	AC
330	Texas Eastern M2	51,915	10,383	\$3.3850	Sendout	26-Nov-14	30-Nov-14	AC
331	Texas Eastern M3	75	75	\$3.2400	Sendout	30-Nov-14	30-Nov-14	AC
332	Texas Eastern M3	104	104	\$3.2400	Sendout	30-Nov-14	30-Nov-14	AC
333	Texas Eastern M3	8	8	\$3.2400	Sendout	30-Nov-14	30-Nov-14	AC
334	Texas Eastern M3	73	73	\$3.2400	Sendout	30-Nov-14	30-Nov-14	AC
335	Texas Eastern M2	311,490	10,383	\$3.7280	Sendout	1-Nov-14	30-Nov-14	RJ
336	Texas Eastern ELA	318,750	10,625	\$3.6580	Sendout	1-Nov-14	30-Nov-14	RJ
337	Transco Zone 6 Receipt	98,280	3,276	\$3.7230	Sendout	1-Nov-14	30-Nov-14	RJ
338	Texas Eastern M2	124,000	4,000	\$3.0820	Sendout	1-Dec-14	31-Dec-14	AC
339	Columbia A06 Pool	316,045	10,195	\$3.4320	Sendout	1-Dec-14	31-Dec-14	AC
340	Texas Eastern M2	579,142	18,682	\$3.3820	Sendout	1-Dec-14	31-Dec-14	AC
341	ANR SW Headstation	276,830	8,930	\$4.2445	Sendout	1-Dec-14	31-Dec-14	AC
342	Transco Zone 6 Receipt	434,000	14,000	\$2.7020	Sendout	1-Dec-14	31-Dec-14	AC
343	Transco Zone 6 Receipt	151,177	4,877	\$2.3650	Purchase for Resale/Sendout	1-Dec-14	31-Dec-14	AC
344	Transco Zone 6 Receipt	57,810	1,865	\$1.9830	Purchase for Resale	1-Dec-14	31-Dec-14	AC
345	Transco Zone 6 NonNY	310,000	10,000	\$3.4501	Sendout	1-Dec-14	31-Dec-14	AC
346	Columbia A06 Pool	6,117	6,117	\$3.4500	Purchase for Resale	1-Dec-14	1-Dec-14	AC
347	Texas Eastern M2	2,076	2,076	\$3.2800	Purchase for Resale	1-Dec-14	1-Dec-14	AC
348	Texas Eastern M2	31,136	31,136	\$2.8400	Sendout	2-Dec-14	2-Dec-14	AC
349	Columbia A06 Pool	10,196	10,196	\$2.8500	Purchase for Resale	3-Dec-14	3-Dec-14	AC
350	Texas Eastern M2	758	758	\$3.0000	Sendout	4-Dec-14	4-Dec-14	AC
351	Texas Eastern M2	20,000	20,000	\$2.9900	Sendout	4-Dec-14	4-Dec-14	AC
352	Texas Eastern M2	12,462	12,462	\$2.8300	Sendout	5-Dec-14	5-Dec-14	AC
353	Texas Eastern M2	10,000	10,000	\$2.8325	Sendout	5-Dec-14	5-Dec-14	AC
354	Texas Eastern M2	25,000	25,000	\$2.8300	Sendout	5-Dec-14	5-Dec-14	AC
355	Texas Eastern M2	20,000	20,000	\$2.8300	Sendout	5-Dec-14	5-Dec-14	AC
356	Texas Eastern M2	67,389	22,463	\$2.9000	Sendout	6-Dec-14	8-Dec-14	AC
357	Texas Eastern M2	75,000	25,000	\$2.9000	Sendout	6-Dec-14	8-Dec-14	AC
358	Texas Eastern M2	60,000	20,000	\$2.9000	Sendout	6-Dec-14	8-Dec-14	AC
359	Texas Eastern M2	31,136	31,136	\$3.1350	Sendout	9-Dec-14	9-Dec-14	AC
360	Texas Eastern M2	10,379	10,379	\$3.1300	Sendout	9-Dec-14	9-Dec-14	AC

Row	Purchase Point	Total Rcpt Qty (dth)	Daily Rcpt Qty (dth)	Price/dth	Deaf Type	Start Date	End Date	Status
361	Texas Eastern M2	25,947	25,947	\$3.1350	Sendout	9-Dec-14	9-Dec-14	AC
362	Texas Eastern M2	10,000	10,000	\$3.1650	Sendout	10-Dec-14	10-Dec-14	AC
363	Texas Eastern M2	20,000	20,000	\$3.1625	Sendout	10-Dec-14	10-Dec-14	AC
364	Texas Eastern M2	20,000	20,000	\$3.1650	Sendout	10-Dec-14	10-Dec-14	AC
365	Texas Eastern M2	17,000	17,000	\$3.1675	Sendout	10-Dec-14	10-Dec-14	AC
366	Texas Eastern M2	10,758	10,758	\$3.1650	Sendout	10-Dec-14	10-Dec-14	AC
367	Texas Eastern M2	10,000	10,000	\$3.1675	Sendout	10-Dec-14	10-Dec-14	AC
368	Texas Eastern M2	34,757	34,757	\$3.1475	Sendout	11-Dec-14	11-Dec-14	AC
369	Texas Eastern M2	10,500	10,500	\$3.1450	Sendout	11-Dec-14	11-Dec-14	AC
370	Texas Eastern M2	2,500	2,500	\$3.1450	Sendout	11-Dec-14	11-Dec-14	AC
371	Texas Eastern M2	20,000	20,000	\$3.1475	Sendout	11-Dec-14	11-Dec-14	AC
372	Texas Eastern M2	20,000	20,000	\$3.1450	Sendout	11-Dec-14	11-Dec-14	AC
373	Columbia Delivered	12,730	12,730	\$4.2800	Purchase for Resale	11-Dec-14	11-Dec-14	AC
374	Texas Eastern M2	17,084	17,084	\$3.0250	Sendout	12-Dec-14	12-Dec-14	AC
375	Texas Eastern M2	10,000	10,000	\$3.0250	Sendout	12-Dec-14	12-Dec-14	AC
376	Texas Eastern M2	30,000	30,000	\$3.0250	Sendout	12-Dec-14	12-Dec-14	AC
377	Columbia Delivered	12,730	12,730	\$3.7350	Purchase for Resale	12-Dec-14	12-Dec-14	AC
378	Texas Eastern M2	108,978	36,326	\$2.8925	Sendout	13-Dec-14	15-Dec-14	AC
379	Columbia Delivered	6,000	2,000	\$3.6000	Purchase for Resale	13-Dec-14	15-Dec-14	AC
380	Texas Eastern M2	36,326	36,326	\$2.9250	Sendout	16-Dec-14	16-Dec-14	AC
381	Columbia A06 Pool	7,137	7,137	\$3.1000	Purchase for Resale	17-Dec-14	17-Dec-14	AC
382	Columbia A06 Pool	5,098	5,098	\$2.9500	Purchase for Resale	17-Dec-14	17-Dec-14	AC
383	Texas Eastern M2	15,568	15,568	\$2.7700	Sendout	17-Dec-14	17-Dec-14	AC
384	Texas Eastern M2	15,568	15,568	\$2.6950	Sendout	18-Dec-14	18-Dec-14	AC
385	Columbia A06 Pool	15,293	15,293	\$3.0000	Purchase for Resale	18-Dec-14	18-Dec-14	AC
386	Texas Eastern M2	5,195	5,195	\$2.7200	Purchase for Resale	19-Dec-14	19-Dec-14	AC
387	Texas Eastern M2	31,136	31,136	\$2.6250	Sendout	19-Dec-14	19-Dec-14	AC
388	Columbia A06 Pool	20,391	20,391	\$3.0000	Purchase for Resale	19-Dec-14	19-Dec-14	AC
389	Texas Eastern M2	93,411	31,137	\$2.0500	Sendout	20-Dec-14	22-Dec-14	AC
390	Texas Eastern M3	33,000	11,000	\$2.2850	Purchase for Resale	20-Dec-14	22-Dec-14	AC
391	Texas Eastern M3	18,435	18,435	\$1.4550	Purchase for Resale	23-Dec-14	23-Dec-14	AC
392	Texas Eastern M3	92,175	18,435	\$1.2250	Purchase for Resale	25-Dec-14	29-Dec-14	AC
393	Texas Eastern M3	18,435	18,435	\$2.3850	Purchase for Resale	30-Dec-14	30-Dec-14	AC
394	Texas Eastern M3	60	60	\$2.4030	Sendout	31-Dec-14	31-Dec-14	AC
395	Columbia A06 Pool	10,196	10,196	\$2.0800	Purchase for Resale	31-Dec-14	31-Dec-14	AC
396	Texas Eastern M3	36,100	36,100	\$2.4030	Sendout	31-Dec-14	31-Dec-14	AC
397	Texas Eastern M3	1,535	1,535	\$2.4030	Sendout	31-Dec-14	31-Dec-14	AC
398	Texas Eastern M3	1	1	\$2.4030	Sendout	31-Dec-14	31-Dec-14	AC
399	Texas Eastern M3	83	83	\$2.4030	Sendout	31-Dec-14	31-Dec-14	AC
400	Texas Eastern M3	120	120	\$2.4030	Sendout	31-Dec-14	31-Dec-14	AC
401	Columbia A06 Pool	2,624	2,624	\$2.0000	Purchase for Resale	31-Dec-14	31-Dec-14	AC
402	Columbia Delivered	4,719	4,719	\$2.2100	Purchase for Resale	31-Dec-14	31-Dec-14	AC
403	Texas Eastern M2	579,142	18,682	\$3.3920	Sendout	1-Dec-14	31-Dec-14	RJ
404	Texas Eastern M2	579,142	18,682	\$3.4320	Sendout	1-Dec-14	31-Dec-14	RJ
405	Texas Eastern M3	105	3	\$2.5470	Sendout	1-Jan-15	31-Jan-15	AC
406	Texas Eastern M2	124,000	4,000	\$1.9890	Sendout	1-Jan-15	31-Jan-15	AC
407	Columbia A06 Pool	316,045	10,195	\$2.6890	Sendout	1-Jan-15	31-Jan-15	AC
408	Texas Eastern M2	889,423	28,691	\$2.2590	Sendout	1-Jan-15	31-Jan-15	AC
409	Texas Eastern M3	1	0	\$2.5470	Sendout	1-Jan-15	31-Jan-15	AC
410	ANR SW Headstation	276,390	8,916	\$3.1515	Sendout	1-Jan-15	31-Jan-15	AC
411	Transco Zone 6 Receipt	434,000	14,000	\$1.6090	Sendout	1-Jan-15	31-Jan-15	AC
412	Transco Zone 6 Receipt	60,861	1,963	\$1.2176	Purchase for Resale	1-Jan-15	31-Jan-15	AC
413	Transco Zone 6 Receipt	152,241	4,911	\$1.5150	Purchase for Resale/Sendout	1-Jan-15	31-Jan-15	AC
414	Transco Zone 6 NonNY	310,000	10,000	\$2.1942	Sendout	1-Jan-15	31-Jan-15	AC
415	Texas Eastern M3	28	1	\$3.7082	Sendout	1-Jan-15	31-Jan-15	AC
416	Columbia A06 Pool	12,234	6,117	\$1.5000	Purchase for Resale	1-Jan-15	2-Jan-15	AC
417	Columbia A06 Pool	12,236	6,118	\$1.4000	Purchase for Resale	1-Jan-15	2-Jan-15	AC
418	Texas Eastern M3	36,646	18,323	\$1.8200	Purchase for Resale/Sendout	1-Jan-15	2-Jan-15	AC
419	Texas Eastern M2	9,969	3,323	\$1.0150	Purchase for Resale	3-Jan-15	5-Jan-15	AC
420	Columbia Delivered	6,243	2,081	\$1.7500	Purchase for Resale	3-Jan-15	5-Jan-15	AC
421	Texas Eastern M3	55,302	18,434	\$1.9650	Purchase for Resale	3-Jan-15	5-Jan-15	AC
422	Columbia Delivered	14,157	4,719	\$1.7500	Purchase for Resale	3-Jan-15	5-Jan-15	AC
423	Columbia Delivered	20,370	20,370	\$4.5000	Purchase for Resale	5-Jan-15	5-Jan-15	AC
424	Texas Eastern M2	13,124	13,124	\$1.6100	Sendout	6-Jan-15	6-Jan-15	AC
425	Texas Eastern M2	31,136	31,136	\$1.6025	Sendout	6-Jan-15	6-Jan-15	AC
426	Texas Eastern M3	5,000	5,000	\$1.8152	Sendout	6-Jan-15	6-Jan-15	AC
427	Columbia Delivered	13,879	13,879	\$5.8500	Purchase for Resale	6-Jan-15	6-Jan-15	AC
428	Columbia Delivered	26,000	26,000	\$5.8500	Purchase for Resale	6-Jan-15	6-Jan-15	AC
429	Texas Eastern M3	20,458	20,458	\$8.7580	Purchase for Resale	6-Jan-15	6-Jan-15	AC
430	Transco Zone 6 NonNY	63,000	2,520	\$3.0095	Sendout	7-Jan-15	31-Jan-15	AC
431	Texas Eastern M2	16,264	16,264	\$1.8450	Sendout	7-Jan-15	7-Jan-15	AC
432	Texas Eastern M2	30,000	30,000	\$1.8400	Sendout	7-Jan-15	7-Jan-15	AC

Row	Purchase Point	Total Rcpt Qty (dth)	Daily Rcpt Qty (dth)	Price/dth	Deal Type	Start Date	End Date	Status
433	Transco Zone 4	8,186	8,186	\$3.0100	Sendout	7-Jan-15	7-Jan-15	AC
434	Texas Eastern M3	3,000	3,000	\$2.0480	Sendout	7-Jan-15	7-Jan-15	AC
435	Columbia Delivered	34,042	34,042	\$12.8000	Purchase for Resale	7-Jan-15	7-Jan-15	AC
436	Columbia Delivered	31,249	31,249	\$11.0000	Purchase for Resale	7-Jan-15	7-Jan-15	AC
437	Texas Eastern M3	40,916	40,916	\$12.6700	Purchase for Resale	7-Jan-15	7-Jan-15	AC
438	Texas Eastern M3	2,046	2,046	\$12.6700	Purchase for Resale	7-Jan-15	7-Jan-15	AC
439	Texas Eastern M3	7,884	7,884	\$13.6500	Purchase for Resale	7-Jan-15	7-Jan-15	AC
440	Texas Eastern M3	1,432	1,432	\$15.1100	Purchase for Resale	7-Jan-15	7-Jan-15	AC
441	Columbia Delivered	32,531	32,531	\$12.8000	Purchase for Resale	7-Jan-15	7-Jan-15	AC
442	Transco Zone 4	8,123	8,123	\$3.0850	Purchase for Resale	8-Jan-15	8-Jan-15	AC
443	Texas Eastern M2	20,000	20,000	\$2.2100	Sendout	8-Jan-15	8-Jan-15	AC
444	Texas Eastern M2	9,965	9,965	\$2.2000	Sendout	8-Jan-15	8-Jan-15	AC
445	Texas Eastern M2	5,000	5,000	\$2.2000	Sendout	8-Jan-15	8-Jan-15	AC
446	Texas Eastern M2	11,264	11,264	\$2.0000	Sendout	8-Jan-15	8-Jan-15	AC
447	Transco Zone 6 NonNY	5,500	5,500	\$11.8500	Purchase for Resale	8-Jan-15	8-Jan-15	AC
448	Texas Eastern M3	9,000	9,000	\$2.4256	Sendout	8-Jan-15	8-Jan-15	AC
449	Texas Eastern M3	10,229	10,229	\$11.5000	Purchase for Resale	8-Jan-15	8-Jan-15	AC
450	Columbia Delivered	8,374	8,374	\$10.9250	Purchase for Resale	8-Jan-15	8-Jan-15	AC
451	Columbia Delivered	87,928	87,928	\$10.0000	Purchase for Resale	8-Jan-15	8-Jan-15	AC
452	Columbia Delivered	9,848	9,848	\$13.0000	Purchase for Resale	8-Jan-15	8-Jan-15	AC
453	Transco Zone 6 NonNY	2,000	2,000	\$11.8500	Purchase for Resale	8-Jan-15	8-Jan-15	AC
454	Texas Eastern M2	30,000	30,000	\$2.5100	Sendout	9-Jan-15	9-Jan-15	AC
455	Columbia A06 Pool	9,993	9,993	\$2.6050	Sendout	9-Jan-15	9-Jan-15	AC
456	Texas Eastern M2	10,000	10,000	\$2.5100	Sendout	9-Jan-15	9-Jan-15	AC
457	Texas Eastern M2	8,500	8,500	\$2.5125	Sendout	9-Jan-15	9-Jan-15	AC
458	Columbia A06 Pool	6,000	6,000	\$2.5000	Sendout	9-Jan-15	9-Jan-15	AC
459	Columbia Tco Pool	4,851	4,851	\$2.9000	Sendout	9-Jan-15	9-Jan-15	AC
460	Texas Eastern M2	5,000	5,000	\$2.5125	Sendout	9-Jan-15	9-Jan-15	AC
461	Transco Zone 4	8,630	8,630	\$2.9400	Purchase for Resale	9-Jan-15	9-Jan-15	AC
462	Texas Eastern M2	9,700	9,700	\$2.5150	Sendout	9-Jan-15	9-Jan-15	AC
463	Texas Eastern M2	10,000	10,000	\$2.5200	Sendout	9-Jan-15	9-Jan-15	AC
464	Transco Zone 6 NonNY	8,500	8,500	\$8.0000	Purchase for Resale	9-Jan-15	9-Jan-15	AC
465	Texas Eastern M3	9,204	9,204	\$2.7972	Sendout	9-Jan-15	9-Jan-15	AC
466	Columbia Delivered	5,374	5,374	\$6.5600	Purchase for Resale	9-Jan-15	9-Jan-15	AC
467	Columbia Delivered	50,757	50,757	\$6.5600	Purchase for Resale	9-Jan-15	9-Jan-15	AC
468	Columbia Delivered	60,956	60,956	\$6.5600	Purchase for Resale	9-Jan-15	9-Jan-15	AC
469	Transco Zone 6 NonNY	3,001	3,001	\$8.0000	Purchase for Resale	9-Jan-15	9-Jan-15	AC
470	Texas Eastern M2	90,000	90,000	\$1.6650	Sendout	10-Jan-15	12-Jan-15	AC
471	Columbia A06 Pool	49,107	16,369	\$1.7700	Sendout	10-Jan-15	12-Jan-15	AC
472	Columbia A06 Pool	13,419	4,473	\$2.4000	Sendout	10-Jan-15	12-Jan-15	AC
473	Texas Eastern M2	90,000	30,000	\$1.6650	Sendout	10-Jan-15	12-Jan-15	AC
474	Transco Zone 4	25,890	8,630	\$3.0200	Purchase for Resale	10-Jan-15	12-Jan-15	AC
475	Texas Eastern M2	43,092	14,364	\$1.6675	Sendout	10-Jan-15	12-Jan-15	AC
476	Transco Zone 6 NonNY	23,814	7,938	\$4.5000	Purchase for Resale	10-Jan-15	12-Jan-15	AC
477	Columbia Delivered	3,000	1,000	\$5.4200	Purchase for Resale	10-Jan-15	12-Jan-15	AC
478	Columbia Delivered	11,817	3,939	\$5.4200	Purchase for Resale	10-Jan-15	12-Jan-15	AC
479	Columbia Delivered	113,413	37,804	\$5.4200	Purchase for Resale	10-Jan-15	12-Jan-15	AC
480	Transco Zone 6 NonNY	37,896	12,632	\$4.5000	Purchase for Resale	10-Jan-15	12-Jan-15	AC
481	Transco Zone 4	8,630	8,630	\$2.9500	Purchase for Resale	13-Jan-15	13-Jan-15	AC
482	Texas Eastern M2	30,000	30,000	\$1.8350	Sendout	13-Jan-15	13-Jan-15	AC
483	Columbia A06 Pool	20,841	20,841	\$1.9850	Sendout	13-Jan-15	13-Jan-15	AC
484	Texas Eastern M2	20,000	20,000	\$1.8250	Sendout	13-Jan-15	13-Jan-15	AC
485	Texas Eastern M2	20,000	20,000	\$1.8300	Sendout	13-Jan-15	13-Jan-15	AC
486	Texas Eastern M2	4,364	4,364	\$1.8325	Sendout	13-Jan-15	13-Jan-15	AC
487	Transco Zone 6 NonNY	9,900	9,900	\$5.0500	Purchase for Resale	13-Jan-15	13-Jan-15	AC
488	Columbia Delivered	8,939	8,939	\$4.3500	Purchase for Resale	13-Jan-15	13-Jan-15	AC
489	Texas Eastern M2	30,000	30,000	\$2.1200	Sendout	14-Jan-15	14-Jan-15	AC
490	Columbia A06 Pool	20,841	20,841	\$2.3200	Sendout	14-Jan-15	14-Jan-15	AC
491	Texas Eastern M2	10,000	10,000	\$2.1200	Sendout	14-Jan-15	14-Jan-15	AC
492	Texas Eastern M2	20,000	20,000	\$2.1150	Sendout	14-Jan-15	14-Jan-15	AC
493	Texas Eastern M2	4,364	4,364	\$2.1200	Sendout	14-Jan-15	14-Jan-15	AC
494	Transco Zone 4	8,630	8,630	\$2.9200	Purchase for Resale	14-Jan-15	14-Jan-15	AC
495	Transco Zone 6 NonNY	9,940	9,940	\$3.2000	Purchase for Resale	14-Jan-15	14-Jan-15	AC
496	Columbia Delivered	3,939	3,939	\$4.1750	Purchase for Resale	14-Jan-15	14-Jan-15	AC
497	Columbia Delivered	21,557	21,557	\$4.1750	Purchase for Resale	14-Jan-15	14-Jan-15	AC
498	Transco Zone 6 NonNY	12,632	12,632	\$3.2000	Purchase for Resale	14-Jan-15	14-Jan-15	AC
499	Texas Eastern M2	30,000	30,000	\$2.3500	Sendout	15-Jan-15	15-Jan-15	AC
500	Columbia A06 Pool	20,842	20,842	\$2.5500	Sendout	15-Jan-15	15-Jan-15	AC
501	Texas Eastern M2	10,000	10,000	\$2.3425	Sendout	15-Jan-15	15-Jan-15	AC
502	Texas Eastern M2	20,000	20,000	\$2.3400	Sendout	15-Jan-15	15-Jan-15	AC
503	Texas Eastern M2	5,000	5,000	\$2.3450	Sendout	15-Jan-15	15-Jan-15	AC
504	Transco Zone 4	8,630	8,630	\$3.1700	Purchase for Resale	15-Jan-15	15-Jan-15	AC



Row	Purchase Point	Total Rcpt Qty (dth)	Daily Rcpt Qty (dth)	Price/dth	Deal Type	Start Date	End Date	Status
505	Texas Eastern M2	9,364	9,364	\$2.3475	Sendout	15-Jan-15	15-Jan-15	AC
506	Transco Zone 6 NonNY	9,940	9,940	\$4.0000	Purchase for Resale	15-Jan-15	15-Jan-15	AC
507	Columbia Delivered	3,939	3,939	\$3.9250	Purchase for Resale	15-Jan-15	15-Jan-15	AC
508	Columbia Delivered	16,222	16,222	\$3.9250	Purchase for Resale	15-Jan-15	15-Jan-15	AC
509	Transco Zone 6 NonNY	12,632	12,632	\$4.0000	Purchase for Resale	15-Jan-15	15-Jan-15	AC
510	Texas Eastern M2	30,000	30,000	\$2.7800	Sendout	16-Jan-15	16-Jan-15	AC
511	Columbia A06 Pool	20,842	20,842	\$3.0200	Sendout	16-Jan-15	16-Jan-15	AC
512	Texas Eastern M2	20,000	20,000	\$2.7700	Sendout	16-Jan-15	16-Jan-15	AC
513	Transco Zone 4	165	165	\$3.3650	Sendout	16-Jan-15	16-Jan-15	AC
514	Texas Eastern M2	24,364	24,364	\$2.7625	Sendout	16-Jan-15	16-Jan-15	AC
515	Columbia Delivered	20,100	20,100	\$5.1600	Purchase for Resale	16-Jan-15	16-Jan-15	AC
516	Columbia Delivered	18,553	18,553	\$5.1600	Purchase for Resale	16-Jan-15	16-Jan-15	AC
517	Columbia Delivered	3,939	3,939	\$5.1600	Purchase for Resale	16-Jan-15	16-Jan-15	AC
518	Texas Eastern M2	120,000	30,000	\$1.8600	Sendout	17-Jan-15	20-Jan-15	AC
519	Columbia A06 Pool	83,368	20,842	\$2.6950	Sendout	17-Jan-15	20-Jan-15	AC
520	Texas Eastern M2	80,000	20,000	\$1.8550	Sendout	17-Jan-15	20-Jan-15	AC
521	Transco Zone 4	34,520	8,630	\$3.0900	Purchase for Resale	17-Jan-15	20-Jan-15	AC
522	Texas Eastern M2	97,456	24,364	\$1.8575	Sendout	17-Jan-15	20-Jan-15	AC
523	Transco Zone 6 NonNY	39,760	9,940	\$3.2500	Purchase for Resale	17-Jan-15	20-Jan-15	AC
524	Columbia Delivered	15,756	3,939	\$3.4600	Purchase for Resale	17-Jan-15	20-Jan-15	AC
525	Columbia Delivered	128,000	32,000	\$3.4600	Purchase for Resale	17-Jan-15	20-Jan-15	AC
526	Columbia Delivered	80,265	20,066	\$3.4600	Purchase for Resale	17-Jan-15	20-Jan-15	AC
527	Transco Zone 6 NonNY	50,528	12,632	\$3.2500	Purchase for Resale	17-Jan-15	20-Jan-15	AC
528	Columbia Delivered	17,676	4,419	\$3.0500	Purchase for Resale	17-Jan-15	20-Jan-15	AC
529	Texas Eastern M2	30,000	30,000	\$2.0000	Sendout	21-Jan-15	21-Jan-15	AC
530	Columbia A06 Pool	20,842	20,842	\$2.5100	Sendout	21-Jan-15	21-Jan-15	AC
531	Texas Eastern M2	20,000	20,000	\$1.9975	Sendout	21-Jan-15	21-Jan-15	AC
532	Texas Eastern M2	24,346	24,346	\$2.0025	Sendout	21-Jan-15	21-Jan-15	AC
533	Columbia Delivered	2,155	2,155	\$3.0500	Purchase for Resale	21-Jan-15	21-Jan-15	AC
534	Columbia Delivered	3,939	3,939	\$3.1250	Purchase for Resale	21-Jan-15	21-Jan-15	AC
535	Columbia Delivered	35,000	35,000	\$3.1250	Purchase for Resale	21-Jan-15	21-Jan-15	AC
536	Columbia Delivered	930	930	\$3.1250	Purchase for Resale	21-Jan-15	21-Jan-15	AC
537	Columbia Delivered	4,719	4,719	\$3.0500	Purchase for Resale	21-Jan-15	21-Jan-15	AC
538	Transco Zone 6 NonNY	10,000	10,000	\$3.2000	Purchase for Resale	21-Jan-15	21-Jan-15	AC
539	Columbia Tco Pool	1,471	1,471	\$2.8050	Purchase for Resale	22-Jan-15	22-Jan-15	AC
540	Columbia A06 Pool	19,371	19,371	\$2.5000	Purchase for Resale	22-Jan-15	22-Jan-15	AC
541	Texas Eastern M2	25,947	25,947	\$1.9550	Sendout	22-Jan-15	22-Jan-15	AC
542	Columbia Delivered	2,155	2,155	\$3.1000	Purchase for Resale	22-Jan-15	22-Jan-15	AC
543	Columbia Delivered	3,937	3,937	\$2.7800	Purchase for Resale	22-Jan-15	22-Jan-15	AC
544	Columbia Delivered	45,000	45,000	\$2.7800	Purchase for Resale	22-Jan-15	22-Jan-15	AC
545	Columbia Delivered	4,719	4,719	\$3.1000	Purchase for Resale	22-Jan-15	22-Jan-15	AC
546	Columbia Tco Pool	6,568	6,568	\$2.7800	Purchase for Resale	23-Jan-15	23-Jan-15	AC
547	Columbia A06 Pool	10,195	10,195	\$2.4000	Purchase for Resale	23-Jan-15	23-Jan-15	AC
548	Columbia A06 Pool	4,078	4,078	\$2.3000	Purchase for Resale	23-Jan-15	23-Jan-15	AC
549	Transco Zone 4	8,630	8,630	\$2.9300	Purchase for Resale	23-Jan-15	23-Jan-15	AC
550	Columbia Delivered	2,155	2,155	\$2.9300	Purchase for Resale	23-Jan-15	23-Jan-15	AC
551	Transco Zone 6 NonNY	8,869	8,869	\$3.2500	Purchase for Resale	23-Jan-15	23-Jan-15	AC
552	Columbia Delivered	3,939	3,939	\$2.8050	Purchase for Resale	23-Jan-15	23-Jan-15	AC
553	Columbia Delivered	30,000	30,000	\$2.8050	Purchase for Resale	23-Jan-15	23-Jan-15	AC
554	Columbia Delivered	12,541	12,541	\$2.8050	Purchase for Resale	23-Jan-15	23-Jan-15	AC
555	Columbia Delivered	4,719	4,719	\$2.9300	Purchase for Resale	23-Jan-15	23-Jan-15	AC
556	Transco Zone 6 NonNY	12,632	12,632	\$3.2500	Purchase for Resale	23-Jan-15	23-Jan-15	AC
557	Columbia Tco Pool	13,584	4,528	\$2.7875	Sendout	24-Jan-15	26-Jan-15	AC
558	Columbia A06 Pool	48,939	16,313	\$2.6500	Sendout	24-Jan-15	26-Jan-15	AC
559	Texas Eastern M2	75,000	25,000	\$1.9650	Sendout	24-Jan-15	26-Jan-15	AC
560	Transco Zone 4	15,231	5,077	\$2.9600	Purchase for Resale	24-Jan-15	26-Jan-15	AC
561	Texas Eastern M2	85,821	28,607	\$1.9675	Sendout	24-Jan-15	26-Jan-15	AC
562	Columbia Delivered	24,474	8,158	\$4.5450	Purchase for Resale	24-Jan-15	26-Jan-15	AC
563	Columbia Delivered	49,800	16,600	\$4.5450	Purchase for Resale	24-Jan-15	26-Jan-15	AC
564	Columbia Delivered	1,800	1,800	\$4.5450	Purchase for Resale	26-Jan-15	26-Jan-15	AC
565	Columbia Delivered	20,970	20,970	\$4.5450	Purchase for Resale	26-Jan-15	26-Jan-15	AC
566	Columbia Tco Pool	3,509	3,509	\$2.7925	Sendout	27-Jan-15	27-Jan-15	AC
567	Columbia A06 Pool	17,332	17,332	\$2.7000	Sendout	27-Jan-15	27-Jan-15	AC
568	Texas Eastern M2	25,000	25,000	\$2.4350	Purchase for Resale/Sendout	27-Jan-15	27-Jan-15	AC
569	Transco Zone 4	8,630	8,630	\$2.9350	Purchase for Resale	27-Jan-15	27-Jan-15	AC
570	Texas Eastern M2	23,417	23,417	\$2.4500	Sendout	27-Jan-15	27-Jan-15	AC
571	Transco Zone 6 NonNY	7,505	7,505	\$7.0000	Purchase for Resale	27-Jan-15	27-Jan-15	AC
572	Columbia Delivered	6,374	6,374	\$7.3000	Purchase for Resale	27-Jan-15	27-Jan-15	AC
573	Columbia Delivered	76,000	76,000	\$7.3000	Purchase for Resale	27-Jan-15	27-Jan-15	AC
574	Columbia Delivered	638	638	\$7.3000	Purchase for Resale	27-Jan-15	27-Jan-15	AC
575	Transco Zone 6 NonNY	12,632	12,632	\$7.0000	Purchase for Resale	27-Jan-15	27-Jan-15	AC
576	Texas Eastern M2	30,000	30,000	\$2.5450	Sendout	28-Jan-15	28-Jan-15	AC

Row	Purchase Point	Total Rcpt Qty (dth)	Daily Rcpt Qty (dth)	Price/dth	Deal Type	Start Date	End Date	Status
577	Columbia A06 Pool	15,293	15,293	\$2.6950	Sendout	28-Jan-15	28-Jan-15	AC
578	Columbia A06 Pool	5,548	5,548	\$2.8000	Sendout	28-Jan-15	28-Jan-15	AC
579	Texas Eastern M2	18,064	18,064	\$2.5550	Sendout	28-Jan-15	28-Jan-15	AC
580	Transco Zone 4	8,630	8,630	\$2.9950	Sendout	28-Jan-15	28-Jan-15	AC
581	Transco Zone 6 NonNY	6,505	6,505	\$7.5000	Purchase for Resale	28-Jan-15	28-Jan-15	AC
582	Columbia Delivered	15,873	15,873	\$6.0300	Purchase for Resale	28-Jan-15	28-Jan-15	AC
583	Columbia Delivered	46,840	46,840	\$6.0300	Purchase for Resale	28-Jan-15	28-Jan-15	AC
584	Columbia Delivered	79	79	\$6.0300	Purchase for Resale	28-Jan-15	28-Jan-15	AC
585	Transco Zone 6 NonNY	12,632	12,632	\$7.5000	Purchase for Resale	28-Jan-15	28-Jan-15	AC
586	Texas Eastern M2	30,000	30,000	\$2.0950	Sendout	29-Jan-15	29-Jan-15	AC
587	Columbia A06 Pool	5,548	5,548	\$2.5950	Sendout	29-Jan-15	29-Jan-15	AC
588	Columbia A06 Pool	15,293	15,293	\$2.6500	Sendout	29-Jan-15	29-Jan-15	AC
589	Texas Eastern M2	15,000	15,000	\$2.0950	Sendout	29-Jan-15	29-Jan-15	AC
590	Transco Zone 4	8,630	8,630	\$2.9050	Purchase for Resale	29-Jan-15	29-Jan-15	AC
591	Texas Eastern M2	29,364	29,364	\$2.1050	Sendout	29-Jan-15	29-Jan-15	AC
592	Transco Zone 6 NonNY	9,940	9,940	\$3.5000	Purchase for Resale	29-Jan-15	29-Jan-15	AC
593	Columbia Delivered	3,939	3,939	\$3.6950	Purchase for Resale	29-Jan-15	29-Jan-15	AC
594	Columbia Delivered	40,000	40,000	\$3.6950	Purchase for Resale	29-Jan-15	29-Jan-15	AC
595	Transco Zone 6 NonNY	12,632	12,632	\$3.5000	Purchase for Resale	29-Jan-15	29-Jan-15	AC
596	Columbia Delivered	4,019	4,019	\$3.5000	Purchase for Resale	29-Jan-15	29-Jan-15	AC
597	Texas Eastern M2	40,728	20,364	\$2.2800	Sendout	30-Jan-15	31-Jan-15	AC
598	Texas Eastern M2	29,924	14,962	\$2.2650	Sendout	30-Jan-15	31-Jan-15	AC
599	Columbia A06 Pool	41,684	20,842	\$2.6000	Sendout	30-Jan-15	31-Jan-15	AC
600	Texas Eastern M2	30,000	15,000	\$2.2650	Sendout	30-Jan-15	31-Jan-15	AC
601	Transco Zone 4	17,260	8,630	\$2.8500	Purchase for Resale	30-Jan-15	31-Jan-15	AC
602	Texas Eastern M2	48,000	24,000	\$2.2700	Sendout	30-Jan-15	31-Jan-15	AC
603	Columbia Delivered	18,316	9,158	\$4.8450	Purchase for Resale	30-Jan-15	31-Jan-15	AC
604	Columbia Delivered	40,000	20,000	\$4.8450	Purchase for Resale	30-Jan-15	31-Jan-15	AC
605	Texas Eastern M2	900,891	29,061	\$2.3390	Sendout	1-Jan-15	31-Jan-15	AC
606	Texas Eastern M2	900,891	29,061	\$2.2890	Sendout	1-Jan-15	31-Jan-15	RJ
607	Texas Eastern M3	91	3	\$2.2500	Sendout	1-Feb-15	28-Feb-15	AC
608	Texas Eastern M3	1,094	39	\$2.2500	Sendout	1-Feb-15	28-Feb-15	AC
609	Texas Eastern M2	112,000	4,000	\$1.6660	Sendout	1-Feb-15	28-Feb-15	AC
610	Texas Eastern M3	1,462	52	\$2.2500	Sendout	1-Feb-15	28-Feb-15	AC
611	Texas Eastern M3	3	0	\$2.2500	Sendout	1-Feb-15	28-Feb-15	AC
612	Texas Eastern M2	311,808	11,136	\$2.0060	Sendout	1-Feb-15	28-Feb-15	AC
613	Texas Eastern M3	162	6	\$2.2500	Sendout	1-Feb-15	28-Feb-15	AC
614	Columbia A06 Pool	285,488	10,196	\$2.4800	Sendout	1-Feb-15	28-Feb-15	AC
615	ANR SW Headstation	247,050	8,823	\$2.8285	Purchase for Resale/Sendout	1-Feb-15	28-Feb-15	AC
616	Transco Zone 6 Receipt	392,000	14,000	\$1.2860	Sendout	1-Feb-15	28-Feb-15	AC
617	Transco Zone 6 Receipt	122,332	4,369	\$1.0150	Purchase for Resale/Sendout	1-Feb-15	28-Feb-15	AC
618	Transco Zone 6 Receipt	71,174	2,542	\$1.4456	Purchase for Resale	1-Feb-15	28-Feb-15	AC
619	Texas Eastern M2	560,000	20,000	\$1.9525	Sendout	1-Feb-15	28-Feb-15	AC
620	Texas Eastern M3	58	2	\$2.2500	Sendout	1-Feb-15	28-Feb-15	AC
621	Transco Zone 6 NonNY	280,000	10,000	\$2.1083	Sendout	1-Feb-15	28-Feb-15	AC
622	Transco Zone 6 NonNY	140,000	5,000	\$2.9632	Sendout	1-Feb-15	28-Feb-15	AC
623	Columbia Delivered	413,308	14,761	\$4.8660	Purchase for Resale	1-Feb-15	28-Feb-15	AC
624	Texas Eastern M3	55,506	1,982	\$3.3326	Sendout	1-Feb-15	28-Feb-15	AC
625	Transco Zone 6 NonNY	12,024	429	\$2.9170	Sendout	1-Feb-15	28-Feb-15	AC
626	Transco Zone 6 NonNY	38,790	1,385	\$2.9559	Sendout	1-Feb-15	28-Feb-15	AC
627	Transco Zone 6 NonNY	52,379	1,871	\$2.9032	Sendout	1-Feb-15	28-Feb-15	AC
628	Texas Eastern M2	60,000	30,000	\$2.4150	Sendout	1-Feb-15	2-Feb-15	AC
629	Texas Eastern M2	50,000	25,000	\$2.4050	Sendout	1-Feb-15	2-Feb-15	AC
630	Columbia A06 Pool	28,896	14,448	\$2.4550	Sendout	1-Feb-15	2-Feb-15	AC
631	Texas Eastern M2	34,212	17,106	\$2.4225	Sendout	1-Feb-15	2-Feb-15	AC
632	Columbia A06 Pool	12,000	6,000	\$2.4000	Sendout	1-Feb-15	2-Feb-15	AC
633	Transco Zone 4	17,260	8,630	\$2.6850	Sendout	1-Feb-15	2-Feb-15	AC
634	Columbia Delivered	70,770	35,385	\$7.7700	Purchase for Resale	1-Feb-15	2-Feb-15	AC
635	Columbia Delivered	2,034	1,017	\$7.7700	Purchase for Resale	1-Feb-15	2-Feb-15	AC
636	Texas Eastern M3	8,068	8,068	\$2.6687	Sendout	2-Feb-15	2-Feb-15	AC
637	Columbia Tco Pool	3,115	3,115	\$2.5900	Sendout	3-Feb-15	3-Feb-15	AC
638	Texas Eastern M2	30,000	30,000	\$2.3450	Sendout	3-Feb-15	3-Feb-15	AC
639	Texas Eastern M2	12,902	12,902	\$2.3500	Sendout	3-Feb-15	3-Feb-15	AC
640	Columbia A06 Pool	7,137	7,137	\$2.4500	Sendout	3-Feb-15	3-Feb-15	AC
641	Texas Eastern M2	10,000	10,000	\$2.3400	Sendout	3-Feb-15	3-Feb-15	AC
642	Texas Eastern M2	3,400	3,400	\$2.3400	Sendout	3-Feb-15	3-Feb-15	AC
643	Columbia A06 Pool	10,195	10,195	\$2.5500	Sendout	3-Feb-15	3-Feb-15	AC
644	Transco Zone 4	8,630	8,630	\$2.7100	Purchase for Resale	3-Feb-15	3-Feb-15	AC
645	Texas Eastern M2	15,800	15,800	\$2.3400	Sendout	3-Feb-15	3-Feb-15	AC
646	Transco Zone 6 NonNY	9,476	9,476	\$5.0000	Purchase for Resale	3-Feb-15	3-Feb-15	AC
647	Columbia Delivered	2,140	2,140	\$3.7500	Purchase for Resale	3-Feb-15	3-Feb-15	AC
648	Texas Eastern M3	3,000	3,000	\$2.5891	Sendout	3-Feb-15	3-Feb-15	AC

Row	Purchase Point	Total Rcpt Qty (dth)	Daily Rcpt Qty (dth)	Price/dth	Deal Type	Start Date	End Date	Status
649	Columbia Delivered	4,971	4,971	\$4.2150	Purchase for Resale	3-Feb-15	3-Feb-15	AC
650	Columbia Delivered	8,100	8,100	\$4.2150	Purchase for Resale	3-Feb-15	3-Feb-15	AC
651	Transco Zone 6 NonNY	12,528	12,528	\$5.0000	Purchase for Resale	3-Feb-15	3-Feb-15	AC
652	Texas Eastern M2	30,000	30,000	\$2.2750	Sendout	4-Feb-15	4-Feb-15	AC
653	Texas Eastern M2	25,102	25,102	\$2.2750	Sendout	4-Feb-15	4-Feb-15	AC
654	Columbia A06 Pool	20,447	20,447	\$2.4800	Sendout	4-Feb-15	4-Feb-15	AC
655	Texas Eastern M2	2,000	2,000	\$2.2650	Sendout	4-Feb-15	4-Feb-15	AC
656	Transco Zone 4	8,630	8,630	\$2.6800	Purchase for Resale	4-Feb-15	4-Feb-15	AC
657	Texas Eastern M2	15,000	15,000	\$2.2675	Sendout	4-Feb-15	4-Feb-15	AC
658	Columbia Delivered	2,140	2,140	\$3.0500	Purchase for Resale	4-Feb-15	4-Feb-15	AC
659	Transco Zone 6 NonNY	10,911	10,911	\$3.1000	Purchase for Resale	4-Feb-15	4-Feb-15	AC
660	Columbia Delivered	40,000	40,000	\$3.2350	Purchase for Resale	4-Feb-15	4-Feb-15	AC
661	Columbia Delivered	3,447	3,447	\$3.2350	Purchase for Resale	4-Feb-15	4-Feb-15	AC
662	Columbia Delivered	4,519	4,519	\$3.0500	Purchase for Resale	4-Feb-15	4-Feb-15	AC
663	Transco Zone 6 NonNY	2,528	2,528	\$3.1000	Purchase for Resale	4-Feb-15	4-Feb-15	AC
664	Columbia Tco Pool	8,212	8,212	\$2.7000	Sendout	5-Feb-15	5-Feb-15	AC
665	Texas Eastern M2	30,000	30,000	\$2.5500	Sendout	5-Feb-15	5-Feb-15	AC
666	Texas Eastern M2	20,000	20,000	\$2.5450	Sendout	5-Feb-15	5-Feb-15	AC
667	Columbia A06 Pool	12,235	12,235	\$2.6000	Sendout	5-Feb-15	5-Feb-15	AC
668	Transco Zone 4	8,630	8,630	\$2.7700	Sendout	5-Feb-15	5-Feb-15	AC
669	Texas Eastern M2	22,102	22,102	\$2.5500	Sendout	5-Feb-15	5-Feb-15	AC
670	Texas Eastern M3	7,000	7,000	\$2.7961	Sendout	5-Feb-15	5-Feb-15	AC
671	Columbia Delivered	27,409	27,409	\$6.1800	Purchase for Resale	5-Feb-15	5-Feb-15	AC
672	Columbia Delivered	51,732	51,732	\$6.1800	Purchase for Resale	5-Feb-15	5-Feb-15	AC
673	Texas Eastern M2	10,000	10,000	\$2.2750	Sendout	6-Feb-15	6-Feb-15	AC
674	Texas Eastern M2	22,103	22,103	\$2.2800	Sendout	6-Feb-15	6-Feb-15	AC
675	Texas Eastern M2	20,000	20,000	\$2.2650	Sendout	6-Feb-15	6-Feb-15	AC
676	Texas Eastern M2	20,000	20,000	\$2.2675	Sendout	6-Feb-15	6-Feb-15	AC
677	Columbia A06 Pool	20,447	20,447	\$2.5200	Sendout	6-Feb-15	6-Feb-15	AC
678	Transco Zone 4	8,630	8,630	\$2.6300	Purchase for Resale	6-Feb-15	6-Feb-15	AC
679	Transco Zone 6 NonNY	10,911	10,911	\$4.2000	Purchase for Resale	6-Feb-15	6-Feb-15	AC
680	Columbia Delivered	3,447	3,447	\$4.0250	Purchase for Resale	6-Feb-15	6-Feb-15	AC
681	Transco Zone 6 NonNY	2,528	2,528	\$4.2000	Purchase for Resale	6-Feb-15	6-Feb-15	AC
682	Texas Eastern M2	30,000	30,000	\$2.2400	Sendout	7-Feb-15	9-Feb-15	AC
683	Columbia A06 Pool	61,173	20,391	\$2.1000	Purchase for Resale	7-Feb-15	9-Feb-15	AC
684	Columbia A06 Pool	825	275	\$2.1500	Purchase for Resale	7-Feb-15	9-Feb-15	AC
685	Texas Eastern M2	132,000	44,000	\$2.2350	Sendout	7-Feb-15	9-Feb-15	AC
686	Texas Eastern M2	15,000	5,000	\$2.2375	Sendout	7-Feb-15	9-Feb-15	AC
687	Texas Eastern M2	24,000	8,000	\$2.2325	Sendout	7-Feb-15	9-Feb-15	AC
688	Texas Eastern M2	15,000	5,000	\$2.2350	Sendout	7-Feb-15	9-Feb-15	AC
689	Columbia Delivered	12,420	4,140	\$2.3200	Purchase for Resale	7-Feb-15	9-Feb-15	AC
690	Columbia Delivered	23,550	7,850	\$2.4300	Purchase for Resale	7-Feb-15	9-Feb-15	AC
691	Columbia Delivered	10,341	3,447	\$2.4300	Purchase for Resale	7-Feb-15	9-Feb-15	AC
692	Columbia Delivered	14,157	4,719	\$2.3200	Purchase for Resale	7-Feb-15	9-Feb-15	AC
693	Texas Eastern M2	30,000	30,000	\$2.3900	Sendout	10-Feb-15	10-Feb-15	AC
694	Columbia A06 Pool	20,666	20,666	\$2.4000	Sendout	10-Feb-15	10-Feb-15	AC
695	Texas Eastern M2	20,000	20,000	\$2.3875	Sendout	10-Feb-15	10-Feb-15	AC
696	Texas Eastern M2	2,103	2,103	\$2.3850	Sendout	10-Feb-15	10-Feb-15	AC
697	Texas Eastern M2	5,000	5,000	\$2.3850	Sendout	10-Feb-15	10-Feb-15	AC
698	Transco Zone 4	8,630	8,630	\$2.6300	Purchase for Resale/Sendout	10-Feb-15	10-Feb-15	AC
699	Texas Eastern M2	15,000	15,000	\$2.3850	Sendout	10-Feb-15	10-Feb-15	AC
700	Columbia Delivered	4,140	4,140	\$3.0500	Purchase for Resale	10-Feb-15	10-Feb-15	AC
701	Transco Zone 6 NonNY	5,750	5,750	\$2.9000	Purchase for Resale	10-Feb-15	10-Feb-15	AC
702	Columbia Delivered	3,447	3,447	\$2.9850	Purchase for Resale	10-Feb-15	10-Feb-15	AC
703	Columbia Delivered	24,154	24,154	\$3.7500	Purchase for Resale	10-Feb-15	10-Feb-15	AC
704	Columbia Delivered	4,719	4,719	\$3.0500	Purchase for Resale	10-Feb-15	10-Feb-15	AC
705	Transco Zone 6 NonNY	5,751	5,751	\$2.9000	Purchase for Resale	10-Feb-15	10-Feb-15	AC
706	Texas Eastern M2	30,000	30,000	\$2.5625	Sendout	11-Feb-15	11-Feb-15	AC
707	Columbia A06 Pool	20,666	20,666	\$2.5300	Sendout	11-Feb-15	11-Feb-15	AC
708	Texas Eastern M2	20,000	20,000	\$2.5525	Sendout	11-Feb-15	11-Feb-15	AC
709	Texas Eastern M2	7,103	7,103	\$2.5550	Sendout	11-Feb-15	11-Feb-15	AC
710	Texas Eastern M2	9,742	9,742	\$2.5475	Sendout	11-Feb-15	11-Feb-15	AC
711	Texas Eastern M2	5,000	5,000	\$2.5525	Sendout	11-Feb-15	11-Feb-15	AC
712	Transco Zone 4	8,630	8,630	\$2.7000	Purchase for Resale	11-Feb-15	11-Feb-15	AC
713	Columbia Delivered	4,140	4,140	\$3.1000	Purchase for Resale	11-Feb-15	11-Feb-15	AC
714	Transco Zone 6 NonNY	10,911	10,911	\$3.4000	Purchase for Resale	11-Feb-15	11-Feb-15	AC
715	Columbia Delivered	3,447	3,447	\$4.1300	Purchase for Resale	11-Feb-15	11-Feb-15	AC
716	Transco Zone 6 NonNY	12,528	12,528	\$3.4000	Purchase for Resale	11-Feb-15	11-Feb-15	AC
717	Texas Eastern M2	30,000	30,000	\$2.8700	Sendout	12-Feb-15	12-Feb-15	AC
718	Columbia A06 Pool	20,666	20,666	\$2.8000	Sendout	12-Feb-15	12-Feb-15	AC
719	Texas Eastern M2	20,000	20,000	\$2.8700	Sendout	12-Feb-15	12-Feb-15	AC
720	Transco Zone 4	8,631	8,631	\$2.8800	Purchase for Resale	12-Feb-15	12-Feb-15	AC

Row	Purchase Point	Total Rcpt Qty (dth)	Daily Rcpt Qty (dth)	Price/dth	Deal Type	Start Date	End Date	Status
721	Texas Eastern M2	3,069	3,069	\$3.0632	Sendout	12-Feb-15	12-Feb-15	AC
722	Columbia Delivered	62,460	62,460	\$8.3550	Purchase for Resale	12-Feb-15	12-Feb-15	AC
723	Columbia Delivered	5,382	5,382	\$8.3550	Purchase for Resale	12-Feb-15	12-Feb-15	AC
724	Columbia Delivered	24,550	24,550	\$8.3550	Purchase for Resale	12-Feb-15	12-Feb-15	AC
725	Transco Zone 6 NonNY	6,504	6,504	\$7.0000	Purchase for Resale	12-Feb-15	12-Feb-15	AC
726	Texas Eastern M2	10,000	10,000	\$2.8500	Sendout	13-Feb-15	13-Feb-15	AC
727	Columbia A06 Pool	5,000	5,000	\$2.8000	Sendout	13-Feb-15	13-Feb-15	AC
728	Texas Eastern M2	30,000	30,000	\$2.8800	Sendout	13-Feb-15	13-Feb-15	AC
729	Columbia A06 Pool	15,666	15,666	\$2.8500	Sendout	13-Feb-15	13-Feb-15	AC
730	Texas Eastern M2	5,000	5,000	\$2.8800	Sendout	13-Feb-15	13-Feb-15	AC
731	Texas Eastern M2	5,000	5,000	\$2.8750	Sendout	13-Feb-15	13-Feb-15	AC
732	Transco Zone 4	8,630	8,630	\$2.8850	Purchase for Resale	13-Feb-15	13-Feb-15	AC
733	Texas Eastern M2	7,160	7,160	\$3.0735	Sendout	13-Feb-15	13-Feb-15	AC
734	Columbia Delivered	5,382	5,382	\$9.4250	Purchase for Resale	13-Feb-15	13-Feb-15	AC
735	Columbia Delivered	33,157	33,157	\$9.4250	Purchase for Resale	13-Feb-15	13-Feb-15	AC
736	Texas Eastern M2	120,000	30,000	\$2.7175	Sendout	14-Feb-15	17-Feb-15	AC
737	Texas Eastern M2	80,000	20,000	\$2.7100	Sendout	14-Feb-15	17-Feb-15	AC
738	Texas Eastern M2	60,000	15,000	\$2.7050	Sendout	14-Feb-15	17-Feb-15	AC
739	Transco Zone 4	34,520	8,630	\$2.7550	Sendout	14-Feb-15	17-Feb-15	AC
740	Texas Eastern M2	28,412	7,103	\$2.7050	Sendout	14-Feb-15	17-Feb-15	AC
741	Columbia Delivered	71,524	17,881	\$16.1250	Purchase for Resale	14-Feb-15	17-Feb-15	AC
742	Columbia Delivered	19,228	4,807	\$12.6500	Purchase for Resale	14-Feb-15	17-Feb-15	AC
743	Columbia Delivered	77,128	19,282	\$16.1250	Purchase for Resale	14-Feb-15	17-Feb-15	AC
744	Texas Eastern M2	8,183	8,183	\$2.8815	Sendout	14-Feb-15	14-Feb-15	AC
745	Texas Eastern M2	5,115	5,115	\$2.8815	Sendout	15-Feb-15	15-Feb-15	AC
746	Texas Eastern M3	5,115	5,115	\$2.8815	Sendout	15-Feb-15	15-Feb-15	AC
747	Columbia Delivered	691	691	\$2.9472	Sendout	15-Feb-15	15-Feb-15	AC
748	Columbia Delivered	1,911	1,911	\$2.8664	Sendout	15-Feb-15	15-Feb-15	AC
749	Texas Eastern M2	8,183	8,183	\$2.8815	Sendout	16-Feb-15	16-Feb-15	AC
750	Texas Eastern M3	8,183	8,183	\$2.8815	Sendout	17-Feb-15	17-Feb-15	AC
751	Columbia Tco Pool	189	189	\$3.0600	Sendout	18-Feb-15	18-Feb-15	AC
752	Texas Eastern M2	30,000	30,000	\$3.0800	Sendout	18-Feb-15	18-Feb-15	AC
753	Texas Eastern M2	20,000	20,000	\$3.0600	Sendout	18-Feb-15	18-Feb-15	AC
754	Columbia Tco Pool	20,477	20,477	\$3.0400	Sendout	18-Feb-15	18-Feb-15	AC
755	Texas Eastern M2	5,000	5,000	\$3.0950	Sendout	18-Feb-15	18-Feb-15	AC
756	Transco Zone 4	8,630	8,630	\$3.0000	Purchase for Resale	18-Feb-15	18-Feb-15	AC
757	Texas Eastern M2	17,103	17,103	\$3.0700	Sendout	18-Feb-15	18-Feb-15	AC
758	Columbia Delivered	7,382	7,382	\$20.5850	Purchase for Resale	18-Feb-15	18-Feb-15	AC
759	Columbia Delivered	12,785	12,785	\$20.5850	Purchase for Resale	18-Feb-15	18-Feb-15	AC
760	Texas Eastern WLA	10,000	10,000	\$2.8100	Sendout	19-Feb-15	19-Feb-15	AC
761	Texas Eastern M2	20,000	20,000	\$3.2150	Sendout	19-Feb-15	19-Feb-15	AC
762	Texas Eastern STX	2,917	2,917	\$2.7500	Sendout	19-Feb-15	19-Feb-15	AC
763	Texas Eastern WLA	20,000	20,000	\$2.8000	Sendout	19-Feb-15	19-Feb-15	AC
764	Texas Eastern M2	20,000	20,000	\$3.2100	Sendout	19-Feb-15	19-Feb-15	AC
765	Transco Zone 4	8,630	8,630	\$2.9550	Sendout	19-Feb-15	19-Feb-15	AC
766	Texas Eastern M2	2,046	2,046	\$3.4108	Sendout	19-Feb-15	19-Feb-15	AC
767	Columbia Delivered	15,881	15,881	\$21.0850	Purchase for Resale	19-Feb-15	19-Feb-15	AC
768	Texas Eastern M3	5,887	5,887	\$3.1854	Sendout	19-Feb-15	19-Feb-15	AC
769	Columbia Tco Pool	10,196	10,196	\$3.0000	Sendout	20-Feb-15	20-Feb-15	AC
770	Texas Eastern M2	20,000	20,000	\$3.1150	Sendout	20-Feb-15	20-Feb-15	AC
771	Columbia Tco Pool	10,470	10,470	\$3.0000	Sendout	20-Feb-15	20-Feb-15	AC
772	Texas Eastern WLA	10,000	10,000	\$2.8700	Sendout	20-Feb-15	20-Feb-15	AC
773	Texas Eastern WLA	10,716	10,716	\$2.9400	Sendout	20-Feb-15	20-Feb-15	AC
774	Transco Zone 4	8,630	8,630	\$2.9600	Sendout	20-Feb-15	20-Feb-15	AC
775	Texas Eastern STX	4,000	4,000	\$2.7200	Sendout	20-Feb-15	20-Feb-15	AC
776	Texas Eastern M2	28,000	28,000	\$3.1150	Sendout	20-Feb-15	20-Feb-15	AC
777	Columbia Delivered	15,881	15,881	\$17.0200	Purchase for Resale	20-Feb-15	20-Feb-15	AC
778	Columbia Delivered	10,630	10,630	\$17.0200	Purchase for Resale	20-Feb-15	20-Feb-15	AC
779	Texas Eastern M2	90,000	30,000	\$2.9575	Sendout	21-Feb-15	23-Feb-15	AC
780	Columbia A06 Pool	13,323	4,441	\$2.9500	Sendout	21-Feb-15	23-Feb-15	AC
781	Texas Eastern M2	66,309	22,103	\$2.9575	Sendout	21-Feb-15	23-Feb-15	AC
782	Columbia Tco Pool	48,675	16,225	\$3.0900	Sendout	21-Feb-15	23-Feb-15	AC
783	Texas Eastern M2	60,000	20,000	\$2.9525	Purchase for Resale/Sendout	21-Feb-15	23-Feb-15	AC
784	Transco Zone 4	25,890	8,630	\$3.1200	Sendout	21-Feb-15	23-Feb-15	AC
785	Columbia Delivered	35,838	11,946	\$12.3850	Purchase for Resale	21-Feb-15	23-Feb-15	AC
786	Texas Eastern M3	2,046	2,046	\$3.1410	Sendout	23-Feb-15	23-Feb-15	AC
787	Columbia Delivered	9,848	9,848	\$12.3850	Purchase for Resale	23-Feb-15	23-Feb-15	AC
788	Columbia Delivered	11,512	11,512	\$12.3850	Purchase for Resale	23-Feb-15	23-Feb-15	AC
789	Texas Eastern M2	30,000	30,000	\$3.3250	Sendout	24-Feb-15	24-Feb-15	AC
790	Texas Eastern M2	20,000	20,000	\$3.3150	Sendout	24-Feb-15	24-Feb-15	AC
791	Columbia Tco Pool	20,666	20,666	\$3.2625	Sendout	24-Feb-15	24-Feb-15	AC
792	Texas Eastern WLA	23,000	23,000	\$3.1800	Purchase for Resale/Sendout	24-Feb-15	24-Feb-15	AC

Row	Purchase Point	Total Rcpt Qty (dth)	Daily Rcpt Qty (dth)	Price/dth	Deal Type	Start Date	End Date	Status
793	Transco Zone 4	8,630	8,630	\$3.2400	Sendout	24-Feb-15	24-Feb-15	AC
794	Columbia Delivered	11,946	11,946	\$18.2850	Purchase for Resale	24-Feb-15	24-Feb-15	AC
795	Columbia Delivered	15,343	15,343	\$18.2850	Purchase for Resale	24-Feb-15	24-Feb-15	AC
796	Texas Eastern M2	30,000	30,000	\$3.1875	Sendout	25-Feb-15	25-Feb-15	AC
797	Columbia A06 Pool	1,162	1,162	\$3.1200	Sendout	25-Feb-15	25-Feb-15	AC
798	Texas Eastern M2	20,000	20,000	\$3.1850	Sendout	25-Feb-15	25-Feb-15	AC
799	Columbia Tco Pool	9,503	9,503	\$3.1925	Sendout	25-Feb-15	25-Feb-15	AC
800	Columbia A06 Pool	10,000	10,000	\$3.1950	Sendout	25-Feb-15	25-Feb-15	AC
801	Texas Eastern M2	22,103	22,103	\$3.1500	Purchase for Resale/Sendout	25-Feb-15	25-Feb-15	AC
802	Transco Zone 4	8,630	8,630	\$3.1450	Sendout	25-Feb-15	25-Feb-15	AC
803	Columbia Delivered	11,946	11,946	\$11.0450	Purchase for Resale	25-Feb-15	25-Feb-15	AC
804	Columbia Delivered	2,027	2,027	\$11.0450	Purchase for Resale	25-Feb-15	25-Feb-15	AC
805	Texas Eastern M2	7,492	7,492	\$3.1900	Sendout	26-Feb-15	26-Feb-15	AC
806	Columbia Tco Pool	15,665	15,665	\$3.2950	Sendout	26-Feb-15	26-Feb-15	AC
807	Texas Eastern M2	24,611	24,611	\$3.2000	Sendout	26-Feb-15	26-Feb-15	AC
808	Columbia A06 Pool	5,000	5,000	\$3.2750	Sendout	26-Feb-15	26-Feb-15	AC
809	Texas Eastern M2	2,000	2,000	\$3.1900	Sendout	26-Feb-15	26-Feb-15	AC
810	Texas Eastern M2	10,000	10,000	\$3.2200	Sendout	26-Feb-15	26-Feb-15	AC
811	Transco Zone 4	8,630	8,630	\$3.2500	Purchase for Resale	26-Feb-15	26-Feb-15	AC
812	Texas Eastern M2	28,000	28,000	\$3.1900	Sendout	26-Feb-15	26-Feb-15	AC
813	Texas Eastern M3	3,069	3,069	\$3.3849	Sendout	26-Feb-15	26-Feb-15	AC
814	Columbia Delivered	3,447	3,447	\$20.9600	Purchase for Resale	26-Feb-15	26-Feb-15	AC
815	Columbia Delivered	5,477	5,477	\$20.9600	Purchase for Resale	26-Feb-15	26-Feb-15	AC
816	Columbia Delivered	45,632	45,632	\$20.9600	Purchase for Resale	26-Feb-15	26-Feb-15	AC
817	Texas Eastern M2	24,206	12,103	\$2.8550	Sendout	27-Feb-15	28-Feb-15	AC
818	Texas Eastern M2	20,000	10,000	\$2.8550	Sendout	27-Feb-15	28-Feb-15	AC
819	Columbia Tco Pool	18,750	9,375	\$3.1100	Sendout	27-Feb-15	28-Feb-15	AC
820	Texas Eastern M2	70,000	35,000	\$2.8550	Sendout	27-Feb-15	28-Feb-15	AC
821	Columbia A06 Pool	22,582	11,291	\$3.1200	Sendout	27-Feb-15	28-Feb-15	AC
822	Texas Eastern M2	30,000	15,000	\$2.8550	Sendout	27-Feb-15	28-Feb-15	AC
823	Transco Zone 4	17,260	8,630	\$3.0800	Purchase for Resale/Sendout	27-Feb-15	28-Feb-15	AC
824	Columbia Delivered	12,894	6,447	\$13.6850	Purchase for Resale	27-Feb-15	28-Feb-15	AC
825	Columbia Delivered	106,000	53,000	\$13.6850	Purchase for Resale	27-Feb-15	28-Feb-15	AC
826	Texas Eastern M3	3,069	3,069	\$3.0220	Sendout	27-Feb-15	27-Feb-15	AC
827	Texas Eastern M3	8,183	8,183	\$3.0220	Sendout	28-Feb-15	28-Feb-15	AC
828	Texas Eastern M2	1,023	1,023	\$3.0220	Sendout	28-Feb-15	28-Feb-15	AC
829	Texas Eastern M2	871,808	31,136	\$2.0460	Sendout	1-Feb-15	28-Feb-15	RJ
830	Texas Eastern M2	871,808	31,136	\$2.8610	Sendout	1-Feb-15	28-Feb-15	RJ
831	Texas Eastern M2	871,808	31,136	\$2.0160	Sendout	1-Feb-15	28-Feb-15	RJ
832	Texas Eastern M3	13	0	\$2.3220	Sendout	1-Mar-15	31-Mar-15	AC
833	Texas Eastern M2	120,893	3,900	\$1.6940	Sendout	1-Mar-15	31-Mar-15	AC
834	Texas Eastern M3	10	0	\$2.3220	Sendout	1-Mar-15	31-Mar-15	AC
835	Texas Eastern M2	620,016	20,001	\$2.1650	Sendout	1-Mar-15	31-Mar-15	AC
836	Texas Eastern M3	26	1	\$2.3220	Sendout	1-Mar-15	31-Mar-15	AC
837	Columbia A06 Pool	316,076	10,196	\$2.3240	Sendout	1-Mar-15	31-Mar-15	AC
838	ANR SW Headstation	275,914	8,900	\$2.8565	Sendout	1-Mar-15	31-Mar-15	AC
839	Transco Zone 6 Receipt	434,000	14,000	\$1.3140	Sendout	1-Mar-15	31-Mar-15	AC
840	Transco Zone 6 Receipt	87,110	2,810	\$1.1450	Purchase for Resale/Sendout	1-Mar-15	31-Mar-15	AC
841	Transco Zone 6 Receipt	113,677	3,667	\$1.4357	Purchase for Resale	1-Mar-15	31-Mar-15	AC
842	Transco Zone 6 NonNY	310,000	10,000	\$2.3366	Sendout	1-Mar-15	31-Mar-15	AC
843	Transco Zone 6 NonNY	91,000	2,935	\$3.0025	Sendout	1-Mar-15	31-Mar-15	AC
844	Columbia Delivered	558,000	18,000	\$3.5940	Purchase for Resale	1-Mar-15	31-Mar-15	AC
845	Columbia A06 Pool	13,384	6,692	\$2.6000	Sendout	1-Mar-15	2-Mar-15	AC
846	Texas Eastern M2	80,000	40,000	\$2.0525	Sendout	1-Mar-15	2-Mar-15	AC
847	Texas Eastern M2	20,000	10,000	\$2.0550	Sendout	1-Mar-15	2-Mar-15	AC
848	Texas Eastern M2	3,000	1,500	\$2.0650	Sendout	1-Mar-15	2-Mar-15	AC
849	Texas Eastern M2	14,758	7,379	\$2.0650	Sendout	1-Mar-15	2-Mar-15	AC
850	Columbia Delivered	5,514	2,757	\$2.7800	Purchase for Resale	1-Mar-15	2-Mar-15	AC
851	Columbia Delivered	12,024	6,012	\$2.2800	Purchase for Resale	1-Mar-15	2-Mar-15	AC
852	Columbia Delivered	37,976	18,988	\$2.2800	Purchase for Resale	1-Mar-15	2-Mar-15	AC
853	Texas Eastern M3	10,000	5,000	\$2.2000	Purchase for Resale	1-Mar-15	2-Mar-15	AC
854	Texas Eastern M3	3,069	3,069	\$2.2172	Sendout	2-Mar-15	2-Mar-15	AC
855	Texas Eastern M2	13,879	13,879	\$2.3225	Purchase for Resale/Sendout	3-Mar-15	3-Mar-15	AC
856	Columbia A06 Pool	6,692	6,692	\$2.7350	Sendout	3-Mar-15	3-Mar-15	AC
857	Texas Eastern M2	15,000	15,000	\$2.3225	Sendout	3-Mar-15	3-Mar-15	AC
858	Texas Eastern M2	18,203	18,203	\$2.3200	Sendout	3-Mar-15	3-Mar-15	AC
859	Texas Eastern M2	10,000	10,000	\$2.3200	Sendout	3-Mar-15	3-Mar-15	AC
860	Texas Eastern M3	5,115	5,115	\$2.7310	Sendout	3-Mar-15	3-Mar-15	AC
861	Columbia Delivered	36,000	36,000	\$3.0900	Purchase for Resale	3-Mar-15	3-Mar-15	AC
862	Columbia Delivered	2,757	2,757	\$3.0900	Purchase for Resale	3-Mar-15	3-Mar-15	AC
863	Texas Eastern M3	6,012	6,012	\$2.3200	Purchase for Resale	3-Mar-15	3-Mar-15	AC
864	Texas Eastern M3	7,769	7,769	\$2.3200	Purchase for Resale	3-Mar-15	3-Mar-15	AC

Row	Purchase Point	Total Rcpt Qty (dth)	Daily Rcpt Qty (dth)	Price/dth	Deal Type	Start Date	End Date	Status
865	Texas Eastern M3	6,219	6,219	\$2.3200	Purchase for Resale	3-Mar-15	3-Mar-15	AC
866	Texas Eastern M3	10,000	10,000	\$2.3200	Purchase for Resale	3-Mar-15	3-Mar-15	AC
867	Texas Eastern M2	28,879	28,879	\$2.5600	Sendout	4-Mar-15	4-Mar-15	AC
868	Columbia A06 Pool	6,692	6,692	\$2.8800	Sendout	4-Mar-15	4-Mar-15	AC
869	Texas Eastern M2	20,000	20,000	\$2.5550	Sendout	4-Mar-15	4-Mar-15	AC
870	Texas Eastern M2	10,000	10,000	\$2.5550	Sendout	4-Mar-15	4-Mar-15	AC
871	Columbia Delivered	2,600	2,600	\$3.0000	Purchase for Resale	4-Mar-15	4-Mar-15	AC
872	Columbia Delivered	2,757	2,757	\$3.0200	Purchase for Resale	4-Mar-15	4-Mar-15	AC
873	Columbia Delivered	19,000	19,000	\$3.0200	Purchase for Resale	4-Mar-15	4-Mar-15	AC
874	Transco Zone 6 NonNY	47,900	1,774	\$3.3651	Sendout	5-Mar-15	31-Mar-15	AC
875	Texas Eastern M2	30,000	30,000	\$3.2150	Sendout	5-Mar-15	5-Mar-15	AC
876	Texas Eastern M2	10,000	10,000	\$3.2450	Sendout	5-Mar-15	5-Mar-15	AC
877	Columbia A06 Pool	6,692	6,692	\$3.4000	Purchase for Resale/Sendout	5-Mar-15	5-Mar-15	AC
878	Texas Eastern M2	10,000	10,000	\$3.2400	Sendout	5-Mar-15	5-Mar-15	AC
879	Texas Eastern M2	10,000	10,000	\$3.2000	Sendout	5-Mar-15	5-Mar-15	AC
880	Texas Eastern M3	2,557	2,557	\$3.4108	Sendout	5-Mar-15	5-Mar-15	AC
881	Columbia Delivered	7,701	7,701	\$9.5200	Purchase for Resale	5-Mar-15	5-Mar-15	AC
882	Columbia Delivered	18,500	18,500	\$9.5200	Purchase for Resale	5-Mar-15	5-Mar-15	AC
883	Texas Eastern M3	14,934	14,934	\$3.5506	Sendout	5-Mar-15	5-Mar-15	AC
884	Transco Zone 6 NonNY	8,091	8,091	\$3.3587	Sendout	5-Mar-15	5-Mar-15	AC
885	Texas Eastern M2	30,000	30,000	\$3.1000	Sendout	6-Mar-15	6-Mar-15	AC
886	Texas Eastern M2	13,879	13,879	\$3.0900	Storage/Sendout	6-Mar-15	6-Mar-15	AC
887	Columbia A06 Pool	6,692	6,692	\$3.1900	Sendout	6-Mar-15	6-Mar-15	AC
888	Texas Eastern M2	15,000	15,000	\$3.0850	Sendout	6-Mar-15	6-Mar-15	AC
889	ANR FSS	271	271	\$3.1700	Sendout	6-Mar-15	6-Mar-15	AC
890	Texas Eastern M3	5,115	5,115	\$3.2499	Sendout	6-Mar-15	6-Mar-15	AC
891	Columbia Delivered	6,201	6,201	\$12.6150	Purchase for Resale	6-Mar-15	6-Mar-15	AC
892	Columbia Delivered	7,100	7,100	\$12.6150	Purchase for Resale	6-Mar-15	6-Mar-15	AC
893	Texas Eastern M3	29,252	29,252	\$3.3865	Sendout	6-Mar-15	6-Mar-15	AC
894	Transco Zone 6 NonNY	1,000	1,000	\$3.3865	Sendout	6-Mar-15	6-Mar-15	AC
895	ANR SE Headstation	10,192	10,192	\$3.0500	Storage	6-Mar-15	6-Mar-15	AC
896	Texas Eastern M2	90,000	30,000	\$2.3225	Sendout	7-Mar-15	9-Mar-15	AC
897	Texas Eastern M2	30,000	10,000	\$2.3175	Sendout	7-Mar-15	9-Mar-15	AC
898	Columbia A06 Pool	20,076	6,692	\$2.7250	Sendout	7-Mar-15	9-Mar-15	AC
899	Texas Eastern M2	30,000	10,000	\$2.3225	Sendout	7-Mar-15	9-Mar-15	AC
900	Texas Eastern M2	26,637	8,879	\$2.3175	Sendout	7-Mar-15	9-Mar-15	AC
901	Columbia Delivered	8,271	2,757	\$2.9050	Purchase for Resale	7-Mar-15	9-Mar-15	AC
902	Columbia Delivered	10,229	10,229	\$2.9050	Purchase for Resale	7-Mar-15	7-Mar-15	AC
903	Columbia A06 Pool	6,692	6,692	\$2.4150	Sendout	10-Mar-15	10-Mar-15	AC
904	Texas Eastern M2	50,000	50,000	\$1.4750	Sendout	10-Mar-15	10-Mar-15	AC
905	Texas Eastern M2	8,879	8,879	\$1.4750	Sendout	10-Mar-15	10-Mar-15	AC
906	Columbia Delivered	2,757	2,757	\$1.7600	Purchase for Resale	10-Mar-15	10-Mar-15	AC
907	Columbia A06 Pool	6,692	6,692	\$2.4200	Sendout	11-Mar-15	11-Mar-15	AC
908	Texas Eastern M2	31,136	31,136	\$1.3600	Sendout	11-Mar-15	11-Mar-15	AC
909	Columbia Delivered	2,757	2,757	\$1.5650	Purchase for Resale	11-Mar-15	11-Mar-15	AC
910	Columbia A06 Pool	6,692	6,692	\$2.4600	Sendout	12-Mar-15	12-Mar-15	AC
911	Texas Eastern M2	50,000	50,000	\$1.6325	Sendout	12-Mar-15	12-Mar-15	AC
912	Texas Eastern M2	8,879	8,879	\$1.6300	Sendout	12-Mar-15	12-Mar-15	AC
913	Columbia Delivered	2,757	2,757	\$1.8350	Purchase for Resale	12-Mar-15	12-Mar-15	AC
914	Texas Eastern M2	41,515	41,515	\$1.6475	Sendout	13-Mar-15	13-Mar-15	AC
915	Columbia A06 Pool	6,692	6,692	\$1.8000	Sendout	13-Mar-15	13-Mar-15	AC
916	Columbia Delivered	2,757	2,757	\$1.8050	Purchase for Resale	13-Mar-15	13-Mar-15	AC
917	Texas Eastern M2	89,574	29,858	\$1.5400	Sendout	14-Mar-15	16-Mar-15	AC
918	Columbia A06 Pool	20,076	6,692	\$1.7000	Sendout	14-Mar-15	16-Mar-15	AC
919	Texas Eastern M2	30,000	10,000	\$1.5400	Sendout	14-Mar-15	16-Mar-15	AC
920	Texas Eastern M2	35,682	11,894	\$1.5350	Sendout	14-Mar-15	16-Mar-15	AC
921	Columbia Delivered	8,271	2,757	\$1.6350	Purchase for Resale	14-Mar-15	16-Mar-15	AC
922	Columbia Tco Pool	6,692	6,692	\$2.5200	Sendout	17-Mar-15	17-Mar-15	AC
923	Texas Eastern M2	50,000	50,000	\$1.8575	Sendout	17-Mar-15	17-Mar-15	AC
924	Texas Eastern M2	8,879	8,879	\$1.8575	Sendout	17-Mar-15	17-Mar-15	AC
925	Columbia Delivered	2,757	2,757	\$2.0100	Purchase for Resale	17-Mar-15	17-Mar-15	AC
926	Texas Eastern M2	30,000	30,000	\$2.3550	Sendout	18-Mar-15	18-Mar-15	AC
927	Columbia A06 Pool	6,692	6,692	\$2.4750	Sendout	18-Mar-15	18-Mar-15	AC
928	Texas Eastern M2	28,879	28,879	\$2.3450	Sendout	18-Mar-15	18-Mar-15	AC
929	Columbia Delivered	2,757	2,757	\$2.5300	Purchase for Resale	18-Mar-15	18-Mar-15	AC
930	Texas Eastern M2	21,754	21,754	\$2.1975	Sendout	19-Mar-15	19-Mar-15	AC
931	Columbia A06 Pool	6,692	6,692	\$2.5050	Sendout	19-Mar-15	19-Mar-15	AC
932	Texas Eastern M2	37,125	37,125	\$2.1950	Sendout	19-Mar-15	19-Mar-15	AC
933	Columbia Delivered	2,757	2,757	\$2.3350	Purchase for Resale	19-Mar-15	19-Mar-15	AC
934	Texas Eastern M2	8,879	8,879	\$2.1200	Sendout	20-Mar-15	20-Mar-15	AC
935	Columbia A06 Pool	6,692	6,692	\$2.5900	Sendout	20-Mar-15	20-Mar-15	AC
936	Texas Eastern M2	50,000	50,000	\$2.1250	Sendout	20-Mar-15	20-Mar-15	AC

Row	Purchase Point	Total Rcpt Qty (dth)	Daily Rcpt Qty (dth)	Price/dth	Deal Type	Start Date	End Date	Status
937	Columbia Delivered	2,757	2,757	\$2.3250	Purchase for Resale	20-Mar-15	20-Mar-15	AC
938	Texas Eastern M2	19,742	6,581	\$2.2350	Sendout	21-Mar-15	23-Mar-15	AC
939	Columbia A06 Pool	9,000	3,000	\$2.6250	Sendout	21-Mar-15	23-Mar-15	AC
940	Texas Eastern M2	111,167	37,056	\$2.2300	Sendout	21-Mar-15	23-Mar-15	AC
941	Columbia Tco Pool	11,076	3,692	\$2.7225	Sendout	21-Mar-15	23-Mar-15	AC
942	Columbia Delivered	8,271	2,757	\$2.4800	Purchase for Resale	21-Mar-15	23-Mar-15	AC
943	Texas Eastern M3	103,500	34,500	\$3.0319	Sendout	21-Mar-15	23-Mar-15	AC
944	Texas Eastern M3	60,000	20,000	\$3.0319	Sendout	21-Mar-15	23-Mar-15	AC
945	Columbia Delivered	60,000	20,000	\$3.0319	Sendout	21-Mar-15	23-Mar-15	AC
946	Columbia A06 Pool	1,000	1,000	\$2.5150	Sendout	24-Mar-15	24-Mar-15	AC
947	Texas Eastern M2	10,000	10,000	\$2.2800	Sendout	24-Mar-15	24-Mar-15	AC
948	Texas Eastern M2	48,879	48,879	\$2.2800	Sendout	24-Mar-15	24-Mar-15	AC
949	Columbia Tco Pool	5,692	5,692	\$2.6125	Sendout	24-Mar-15	24-Mar-15	AC
950	Columbia Delivered	2,757	2,757	\$2.5350	Purchase for Resale	24-Mar-15	24-Mar-15	AC
951	Columbia Delivered	34,500	34,500	\$2.8837	Sendout	24-Mar-15	24-Mar-15	AC
952	Columbia Delivered	5,500	5,500	\$2.8837	Sendout	24-Mar-15	24-Mar-15	AC
953	Texas Eastern M3	24,836	24,836	\$2.8837	Sendout	24-Mar-15	24-Mar-15	AC
954	Columbia A06 Pool	6,692	6,692	\$2.3850	Sendout	25-Mar-15	25-Mar-15	AC
955	Texas Eastern M2	8,879	8,879	\$1.7550	Sendout	25-Mar-15	25-Mar-15	AC
956	Texas Eastern M2	50,000	50,000	\$1.7550	Sendout	25-Mar-15	25-Mar-15	AC
957	Texas Eastern M3	14,920	14,920	\$2.0000	Purchase for Resale	25-Mar-15	25-Mar-15	AC
958	Columbia Delivered	2,757	2,757	\$2.0000	Purchase for Resale	25-Mar-15	25-Mar-15	AC
959	Texas Eastern M3	18,000	18,000	\$1.7150	Purchase for Resale	26-Mar-15	26-Mar-15	AC
960	Columbia Delivered	2,757	2,757	\$1.7150	Purchase for Resale	26-Mar-15	26-Mar-15	AC
961	Texas Eastern M2	20,758	20,758	\$2.0975	Sendout	27-Mar-15	27-Mar-15	AC
962	Columbia Delivered	2,757	2,757	\$2.3400	Purchase for Resale	27-Mar-15	27-Mar-15	AC
963	Texas Eastern M3	18,435	18,435	\$2.3400	Purchase for Resale	27-Mar-15	27-Mar-15	AC
964	Texas Eastern M2	56,637	18,879	\$2.0525	Sendout	28-Mar-15	30-Mar-15	AC
965	Texas Eastern M2	30,000	10,000	\$2.0525	Sendout	28-Mar-15	30-Mar-15	AC
966	Texas Eastern M2	90,000	30,000	\$2.0525	Sendout	28-Mar-15	30-Mar-15	AC
967	Texas Eastern M3	55,305	18,435	\$2.2450	Purchase for Resale/Sendout	28-Mar-15	30-Mar-15	AC
968	Columbia Delivered	15,603	5,201	\$2.2450	Purchase for Resale	28-Mar-15	30-Mar-15	AC
969	Texas Eastern M2	8,879	8,879	\$2.0375	Sendout	31-Mar-15	31-Mar-15	AC
970	Texas Eastern M2	10,000	10,000	\$2.0400	Sendout	31-Mar-15	31-Mar-15	AC
971	Texas Eastern M2	40,000	40,000	\$2.0400	Sendout	31-Mar-15	31-Mar-15	AC
972	Texas Eastern M3	18,435	18,435	\$2.3500	Purchase for Resale	31-Mar-15	31-Mar-15	AC
973	Columbia Delivered	2,757	2,757	\$2.3500	Purchase for Resale	31-Mar-15	31-Mar-15	AC
974	Texas Eastern M2	620,000	20,000	\$2.8940	Sendout	1-Mar-15	31-Mar-15	RJ
975	Columbia A06 Pool	316,076	10,196	\$2.3440	Sendout	1-Mar-15	31-Mar-15	RJ
976	Texas Eastern M2	620,000	20,000	\$2.8840	Sendout	1-Mar-15	31-Mar-15	RJ
977	Columbia A06 Pool	316,076	10,196	\$2.5940	Sendout	1-Mar-15	31-Mar-15	RJ

Row	Month	Delivering Pipeline	Receipt Point	Delivery Point	Transaction Type	Delivered Quantity(dth)	Transp Comm. Cost (\$/dth)
1	Apr-14	Columbia	A06 Pool	Columbia Delivered	Send out	226,919	\$0.0166
2	Apr-14	Columbia	Tco Leach	Columbia Delivered	Send out	415,010	\$0.0166
3	Apr-14	TETCO	Zone M2	Zone M3	Send out	647,567	\$0.0479
4	Apr-14	TETCO	Zone M3	Zone M3	Send out	295,600	\$0.0269
5	Apr-14	TETCO	Zone M2	Zone M3	Send out	40,735	\$0.0333
6	Apr-14	TETCO	Zone M2	Zone M3	Send out	120,000	\$0.0012
7	Apr-14	TETCO	Zone M3	Zone M3	Send out	230,107	\$0.0098
8	Apr-14	Transco	Zone 6 Receipt	Zone 6 NonNY	Send out	493,620	\$0.0068
9	Apr-14	UGI CPG	Zone M3	UGI	Send out	26,882	\$0.0500
10	May-14	Columbia	A06 Pool	Columbia Delivered	Send out	78,095	\$0.0166
11	May-14	Columbia	A06 Pool	Columbia Delivered	OSS	5,000	\$0.0166
12	May-14	Columbia	Tco Leach	Columbia Delivered	Send out	479,780	\$0.0166
13	May-14	TETCO	Zone M2	Zone M3	Send out	131,251	\$0.0269
14	May-14	TETCO	Zone M3	Zone M3	Send out	50,855	\$0.0269
15	May-14	TETCO	Zone M2	Zone M3	Send out	20,000	\$0.0479
16	May-14	TETCO	Zone M2	Zone M3	Send out	124,000	\$0.0012
17	May-14	TETCO	Zone M2	Zone M3	Send out	409,496	\$0.0098
18	May-14	Transco	Zone 6 NonNY	Zone 6 NonNY	Send out	640	\$0.0068
19	May-14	Transco	Zone 6 Receipt	Zone 6 NonNY	Send out	513,205	\$0.0068
20	May-14	UGI CPG	Zone M3	UGI	Send out	13,787	\$0.0500
21	Jun-14	Columbia	A06 Pool	Columbia Delivered	OSS	30,000	\$0.0166
22	Jun-14	Columbia	A06 Pool	Columbia Delivered	Send out	1,000	\$0.0166
23	Jun-14	Columbia	Tco Leach	Columbia Delivered	Send out	536,000	\$0.0166
24	Jun-14	TETCO	Zone M2	Zone M3	Send out	75,807	\$0.0269
25	Jun-14	TETCO	Zone M2	Zone M3	Send out	120,000	\$0.0012
26	Jun-14	TETCO	Zone M2	Zone M3	Send out	470,669	\$0.0098
27	Jun-14	Transco	Zone 6 Receipt	Zone 6 NonNY	Send out	498,990	\$0.0068
28	Jun-14	UGI CPG	Zone M3	UGI	Send out	11,146	\$0.0500
29	Jul-14	ANR Pipeline	SE Headstation	Egan	Storage	20,100	\$0.0137
30	Jul-14	Columbia	A06 Pool	Columbia Delivered	OSS	10,000	\$0.0166
31	Jul-14	Columbia	Tco Leach	Columbia Delivered	Send out	391,716	\$0.0166
32	Jul-14	Columbia	A06 Pool	Columbia Delivered	Send out	1	\$0.0166
33	Jul-14	Columbia Gulf	Mainline Pool	Egan	Storage	8,037	\$0.0121
34	Jul-14	TETCO	Zone M3	Zone M3	Send out	364,270	\$0.0269
35	Jul-14	TETCO	Zone WLA	Egan	Storage	98	\$0.0142
36	Jul-14	TETCO	Zone M2	Zone M3	Send out	124,000	\$0.0012
37	Jul-14	TETCO	Zone M3	Zone M3	Send out	354,439	\$0.0098
38	Jul-14	Transco	Zone 6 Receipt	Zone 6 NonNY	Send out	508,171	\$0.0068
39	Jul-14	UGI CPG	Zone M3	UGI	Send out	9,579	\$0.0500
40	Aug-14	Columbia	A06 Pool	Columbia Delivered	OSS	43,400	\$0.0166
41	Aug-14	Columbia	Tco Leach	Columbia Delivered	Send out	739,390	\$0.0166
42	Aug-14	Columbia Gulf	Mainline Pool	Egan	Storage	1,134	\$0.0121
43	Aug-14	TETCO	Zone M3	Zone M3	Send out	403,692	\$0.0279
44	Aug-14	TETCO	Zone M2	Zone M3	Send out	124,000	\$0.0012
45	Aug-14	TETCO	Zone M3	Zone M3	Send out	648,767	\$0.0108
46	Aug-14	Transco	Zone 6 Receipt	Zone 6 NonNY	Send out	337,686	\$0.0068
47	Aug-14	UGI CPG	Zone M3	UGI	Send out	12,804	\$0.0500
48	Sep-14	ANR Pipeline	SE Headstation	Egan	Storage	5,000	\$0.0137
49	Sep-14	Columbia	A06 Pool	Columbia Delivered	OSS	236,074	\$0.0166
50	Sep-14	Columbia	Tco Leach	Columbia Delivered	Send out	357,000	\$0.0166
51	Sep-14	Columbia	A06 Pool	Columbia Delivered	Send out	1	\$0.0166
52	Sep-14	Columbia Gulf	Mainline Pool	Egan	Storage	7,938	\$0.0121
53	Sep-14	TETCO	Zone M3	Zone M3	Send out	149,717	\$0.0279



Row	Month	Delivering Pipeline	Receipt Point	Delivery Point	Transaction Type	Delivered Quantity(dth)	Transp Comm. Cost (\$/dth)
54	Sep-14	TETCO	Zone M2	Zone M3	Send out	120,000	\$0.0012
55	Sep-14	TETCO	Zone M2	Zone M3	Send out	30,000	\$0.0505
56	Sep-14	TETCO	Zone M3	Zone M3	Send out	362,509	\$0.0108
57	Sep-14	Transco	Zone 6 Receipt	Zone 6 NonNY	Send out	392,355	\$0.0068
58	Sep-14	UGI CPG	Zone M3	UGI	Send out	11,923	\$0.0500
59	Oct-14	ANR Pipeline	SE Headstation	Egan	Injection	35,000	\$0.0139
60	Oct-14	Columbia	A06 Pool	Columbia Delivered	OSS	121,672	\$0.0168
61	Oct-14	Columbia	Tco Leach	Columbia Delivered	Send out	446,563	\$0.0168
62	Oct-14	Columbia Gulf	Mainline Pool	Egan	Injection	7,938	\$0.0123
63	Oct-14	TETCO	Zone M3	Zone M3	Send out	148,396	\$0.0281
64	Oct-14	TETCO	Zone M2	Zone M3	Send out	124,000	\$0.0014
65	Oct-14	TETCO	Zone M3	Zone M3	Send out	415,611	\$0.0110
66	Oct-14	Transco	Zone 6 Receipt	Zone 6 NonNY	Send out	483,014	\$0.0070
67	Oct-14	UGI CPG	Zone M3	UGI	Send out	19,756	\$0.0500
68	Nov-14	ANR Pipeline	SW Headstation	Lebanon Hub	Send out	258,000	\$0.0202
69	Nov-14	Columbia	A06 Pool	Columbia Delivered	OSS	90,400	\$0.0168
70	Nov-14	Columbia	A06 Pool	Columbia Delivered	Send out	349,120	\$0.0168
71	Nov-14	Columbia	Tco Pool	Columbia Delivered	Send out	212,246	\$0.0168
72	Nov-14	Columbia	Tco Leach	Columbia Delivered	Send out	938,195	\$0.0168
73	Nov-14	TETCO	Zone M2	Zone M3	Send out	1,766,612	\$0.0507
74	Nov-14	TETCO	Zone M2	Zone M3	Send out	128,338	\$0.0351
75	Nov-14	TETCO	Zone M3	Zone M3	Send out	223,058	\$0.0281
76	Nov-14	TETCO	Zone M2	Zone M3	Send out	119,983	\$0.0014
77	Nov-14	TETCO	Zone M3	Zone M3	Send out	450,735	\$0.0110
78	Nov-14	Transco	Zone 6 Receipt	Zone 6 NonNY	Send out	495,930	\$0.0070
79	Nov-14	UGI CPG	Zone M3	UGI	Send out	36,459	\$0.0500
80	Dec-14	ANR Pipeline	SW Headstation	Lebanon Hub	Send out	266,600	\$0.0202
81	Dec-14	Columbia	A06 Pool	Columbia Delivered	OSS	164,360	\$0.0168
82	Dec-14	Columbia	A06 Pool	Columbia Delivered	Send out	221,215	\$0.0168
83	Dec-14	Columbia	Tco Leach	Columbia Delivered	Send out	1,212,825	\$0.0168
84	Dec-14	Columbia	Tco Leach	Columbia Delivered	OSS	73,259	\$0.0168
85	Dec-14	TETCO	Zone M2	Zone M3	Send out	1,447,098	\$0.0562
86	Dec-14	TETCO	Zone M3	Zone M3	Send out	435,328	\$0.0325
87	Dec-14	TETCO	Zone M2	Zone M3	OSS	7,005	\$0.0562
88	Dec-14	TETCO	Zone M2	Zone M3	Send out	124,000	\$0.0014
89	Dec-14	TETCO	Zone M3	Zone M3	Send out	620,592	\$0.0110
90	Dec-14	Transco	Zone 6 Receipt	Zone 6 NonNY	Send out	510,105	\$0.0070
91	Dec-14	UGI CPG	Zone M3	UGI	Send out	41,440	\$0.0500
92	Jan-15	ANR Pipeline	SW Headstation	Lebanon Hub	Send out	266,146	\$0.0202
93	Jan-15	Columbia	A06 Pool	Columbia Delivered	Send out	667,752	\$0.0168
94	Jan-15	Columbia	A06 Pool	Columbia Delivered	OSS	106,999	\$0.0168
95	Jan-15	Columbia	Tco Pool	Columbia Delivered	Send out	21,521	\$0.0168
96	Jan-15	Columbia	Tco Pool	Columbia Delivered	OSS	7,885	\$0.0168
97	Jan-15	Columbia	Tco Leach	Columbia Delivered	Send out	768,025	\$0.0168
98	Jan-15	Columbia	Tco Leach	Columbia Delivered	OSS	41,756	\$0.0168
99	Jan-15	TETCO	Zone M2	Zone M3	Send out	2,073,692	\$0.0562
100	Jan-15	TETCO	Zone M3	Zone M3	Send out	452,694	\$0.0325
101	Jan-15	TETCO	Zone M3	Zone M3	OSS	470,934	\$0.0325
102	Jan-15	TETCO	Zone M2	Zone M3	Send out	25,594	\$0.0300
103	Jan-15	TETCO	Zone M2	Zone M3	OSS	298,156	\$0.0562
104	Jan-15	TETCO	Zone M2	Zone M3	Send out	119,255	\$0.0014
105	Jan-15	TETCO	Zone M2	Zone M3	OSS	3,900	\$0.0014
106	Jan-15	TETCO	Zone M3	Zone M3	OSS	2,000	\$0.0014

Row	Month	Delivering Pipeline	Receipt Point	Delivery Point	Transaction Type	Delivered Quantity(dth)	Transp Comm. Cost (\$/dth)
107	Jan-15	TETCO	Zone M3	Zone M3	Send out	472,801	\$0.0110
108	Jan-15	Transco	Zone 4	Zone 6 NonNY	OSS	175,707	\$0.0267
109	Jan-15	Transco	Zone 4	Zone 6 NonNY	Send out	81	\$0.0138
110	Jan-15	Transco	Zone 4	Zone 6 NonNY	Send out	82	\$0.0281
111	Jan-15	Transco	Zone 6 Receipt	Zone 6 NonNY	Send out	507,315	\$0.0070
112	Jan-15	UGI CPG	Zone M3	UGI	Send out	57,452	\$0.0500
113	Feb-15	ANR Pipeline	SW Headstation	Lebanon Hub	Send out	237,933	\$0.0202
114	Feb-15	Columbia	A06 Pool	Columbia Delivered	Send out	521,377	\$0.0168
115	Feb-15	Columbia	Tco Pool	Columbia Delivered	Send out	162,739	\$0.0168
116	Feb-15	Columbia	A06 Pool	Columbia Delivered	OSS	60,810	\$0.0168
117	Feb-15	Columbia	Tco Leach	Columbia Delivered	Send out	498,155	\$0.0168
118	Feb-15	Columbia	Tco Leach	Columbia Delivered	OSS	2,000	\$0.0168
119	Feb-15	TETCO	Zone M2	Zone M3	Send out	26,000	\$0.2026
120	Feb-15	TETCO	Zone M3	Zone M3	Send out	93,000	\$0.2026
121	Feb-15	TETCO	Zone M3	Zone M3	OSS	13,000	\$0.2026
122	Feb-15	TETCO	Zone M2	Zone M3	Send out	1,875,248	\$0.0740
123	Feb-15	TETCO	Zone M2	Zone M3	Send out	17,011	\$0.0405
124	Feb-15	TETCO	Zone M2	Zone M3	OSS	768,786	\$0.0740
125	Feb-15	TETCO	Zone M3	Zone M3	Send out	153,090	\$0.0397
126	Feb-15	TETCO	Zone WLA	Zone M3	Send out	69,271	\$0.1123
127	Feb-15	TETCO	Zone M3	Zone M3	OSS	55,035	\$0.0397
128	Feb-15	TETCO	Zone STX	Zone M3	Send out	6,495	\$0.1175
129	Feb-15	TETCO	Zone M2	Zone M3	Send out	106,000	\$0.0014
130	Feb-15	TETCO	Zone M2	Zone M3	OSS	6,000	\$0.0014
131	Feb-15	TETCO	Zone M3	Zone M3	Send out	172,000	\$0.0182
132	Feb-15	TETCO	Zone M3	Zone M3	Send out	109,000	\$0.1853
133	Feb-15	Transco	Zone 4	Zone 6 NonNY	OSS	186,978	\$0.0267
134	Feb-15	Transco	Zone 4	Zone 6 NonNY	OSS	25,497	\$0.0281
135	Feb-15	Transco	Zone 6 Receipt	Zone 6 NonNY	Send out	457,072	\$0.0070
136	Feb-15	UGI CPG	Zone M3	UGI	Send out	54,261	\$0.0500
137	Mar-15	ANR Pipeline	SW Headstation	Lebanon Hub	Send out	265,718	\$0.0202
138	Mar-15	Columbia	A06 Pool	Columbia Delivered	Send out	345,570	\$0.0168
139	Mar-15	Columbia	A06 Pool	Columbia Delivered	OSS	105,546	\$0.0168
140	Mar-15	Columbia	Tco Leach	Columbia Delivered	Send out	1,076,010	\$0.0168
141	Mar-15	Columbia	Tco Leach	Columbia Delivered	OSS	81,582	\$0.0168
142	Mar-15	Columbia	Tco Pool	Columbia Delivered	Send out	23,010	\$0.0168
143	Mar-15	TETCO	Zone M3	Zone M3	Send out	394,000	\$0.2026
144	Mar-15	TETCO	Zone M2	Zone M3	Send out	1,487,673	\$0.0740
145	Mar-15	TETCO	Zone M3	Zone M2	Send out	17,766	\$0.0405
146	Mar-15	TETCO	Zone M2	Zone M3	OSS	637,276	\$0.0740
147	Mar-15	TETCO	Zone M3	Zone M3	OSS	16,471	\$0.0397
148	Mar-15	TETCO	Zone M3	Zone M3	Send out	153,534	\$0.0397
149	Mar-15	TETCO	Zone M2	Zone M3	Send out	123,547	\$0.0014
150	Mar-15	TETCO	Zone M2	Zone M2	Send out	1,038	\$0.0014
151	Mar-15	TETCO	Zone M3	Zone M3	Send out	536,000	\$0.0182
152	Mar-15	Transco	Zone 6 Receipt	Zone 6 NonNY	Send out	504,060	\$0.0070
153	Mar-15	Transco	Zone 6 NonNY	Zone 6 NonNY	Send out	21,329	\$0.1375
154	Mar-15	UGI CPG	Zone M3	UGI	Send out	53,461	\$0.0500

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SECTION 2-B [52 Pa. Code §53.64(c)(3)] OTHER SOURCES OF GAS SUPPLY

A similar listing of gas sources, transportation or storage and associated projected costs offered or considered but not chosen to meet supply for the next 20 months, along with reasons for nonselection.

RESPONSE:

UGI considers all practical sources of gas in the supply portfolio. The identification of supplies to be procured in the projected period is based on load duration analysis and the SENDOUT® Gas Purchase Optimization Model. The load duration analysis is a tool used to help define the design peak day and seasonal contract requirements. This information is critical in developing the proper mix of baseload supplies (FT or delivered supply), seasonal supplies (storage), and peaking supplies.

SENDOUT® is a specialized computer program designed by Ventyx Corporation for the natural gas industry. SENDOUT® utilizes a linear programming (LP) model, which optimizes a utility's purchasing alternatives for least cost. Local gas distribution companies and energy marketers use this program to model their gas transportation and storage portfolio. For UGI, this encompasses UGI's transportation, direct deliveries, storage and peaking assets. SENDOUT® is a risk management tool that optimizes the use of UGI's physical and contractual assets to serve the system demand and achieve a least cost supply mix. To determine the minimum cost of natural gas, hundreds of variables are taken into account, each of which can be categorized either as a physical limitation or a contractual constraint. The results are viewed via a custom built spreadsheet, which includes checks and balances to verify that the solution resides within an acceptable range. The

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optimal solution provides the strategic plan of when and where to make supply purchases.

UGI continues to evaluate new purchase contracts for firm supplies in an effort to meet its least cost procurement obligation of providing reliable service and price stability. Existing firm supply arrangements will be renegotiated monthly, seasonally and annually, and evaluated based on changing market conditions. UGI continually evaluates viable supply and transportation alternatives in order to lower gas costs, diversify the supply base, meet changing requirements, maintain reliability and decrease price volatility.

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SECTION 3 [52 Pa. Code §53.64(c)(4)] FERC PROCEEDINGS

Provide an annotated listing of Federal Energy Regulatory Commission or other relevant non-Commission proceedings, including legal action necessary to relieve the utility from existing contract terms which are or may be adverse to the interests of its ratepayers, which affect the cost of the utility's gas supply transportation or storage or which might have an impact on the utility's efforts to provide its customers with reasonable gas service at the lowest price possible. This list shall include docket numbers and shall summarize what has transpired in the cases, and the degree of participation, if any, which the utility has had in the cases. The initial list filed under this paragraph shall include cases for the past 3 years. Subsequent lists need only update prior lists and add new cases.

RESPONSE:

UGI transports gas on: Columbia; Columbia Gulf; Transco; Texas Eastern; Tennessee and ANR. UGI contracts for storage service with ANR, Columbia, Transco, Dominion, and Egan Hub.

Since the FERC has jurisdiction over the pipeline transportation and storage services included in UGI's supply portfolio, UGI is an active local distribution company before the FERC in all relevant pipeline regulatory proceedings.

UGI actively monitors many different FERC proceedings or initiatives either individually or through the American Gas Association. UGI will intervene in, file comments regarding, protest, or otherwise participate in specific pipeline proceedings or FERC initiatives as necessary. This activity is designed to minimize the purchased gas cost and/or improve the level or quality of service provided to UGI by its interstate pipeline suppliers.

Shown below is a listing of FERC proceedings over the past year in which UGI participated.

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Docket Number	Description	Date
CP15-118-000	Transcontinental Gas Pipe Line Company, LLC submits supplemental information regarding the Virginia Southside Expansion Project II	3/27/2015
CP15-117-000	Transcontinental Gas Pipe Line Company, LLC submits a 7(c) application authorizing the Dalton Expansion Project	3/27/2015
RP15-656-000	Transcontinental Gas Pipe Line Company, LLC submits tariff filing per 154.403: LSS and SS-2 Fuel Tracker Filing 2015 to be effective 4/1/2015	3/19/2015
CP15-95-000	Columbia Gas Transmission, LLC submits Application to replace certain bare steel pipe in Pennsylvania as part of its modernization program.	3/11/2015
CP15-87-000	Columbia Gas Transmission, LLC submits Application to Construct new 24-inch pipeline	3/11/2015
CP15-89-000	Transcontinental Gas Pipe Line Company, LLC submits a Section 7(c) certificate application for its Garden State Expansion Project	3/6/2015
RP15-574-000	Tennessee Gas Pipeline Company, L.L.C. submits tariff filing per 154.204: Fuel Tracker 2015 to be effective 4/1/2015	3/2/2015
RP15-557-000	Columbia Gulf Transmission, LLC submits tariff filing per 154.204: TRA 2015 to be effective 4/1/2015	3/2/2015
RP15-554-000	Columbia Gas Transmission, LLC submits tariff filing per 154.403(d)(2): TCRA 2015 to be effective 4/1/2015	3/2/2015
RP15-553-000	Gas Transmission, LLC submits tariff filing per 154.403: EPCA 2015 to be effective 4/1/2015	3/2/2015
RP15-518-000	Transcontinental Gas Pipe Line Company, LLC submits tariff filing per 154.403: Annual Electric Power Tracker Filing effective April 1, 2015 to be effective 4/1/2015	2/26/2015
RP15-498-000	Transcontinental Gas Pipe Line Company, LLC submits tariff filing per 154.403(d)(2): 2015 Annual Fuel Tracker to be effective 4/1/2015	2/25/2015
CP15-88-000	Tennessee Gas Pipeline Company, L.L.C. submits tariff filing for Authorization to Abandon Certain Mainline Facilities	2/25/2015
RP15-460-000	Texas Eastern Transmission, LP submits tariff filing per 154.203: TETLP Mainline-Lateral Fuel	2/19/2015
RP15-296-000	Columbia Gas Transmission, LLC submits its Penalty Revenue Crediting Report of under RP15-296	12/30/2014
RP15-294-000	Texas Eastern Transmission, LP submits tariff filing EPC FEB 2015 FILING to be effective 2/1/2015	12/30/2014
RP15-286-000	Columbia Gulf Transmission, LLC submits its Penalty Revenue Crediting Report	12/30/2014
RP15-284-000	Columbia Gas Transmission, LLC submits tariff filing Environmental Filing 2014 to be effective 2/1/2015	12/30/2014

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RP15-285-000	Columbia Gas Transmission, LLC submits its Penalty Revenue Crediting Report	12/29/2014
CP13-551-000	Transcontinental Gas Pipe Line Company, LLC - Order issuing Certificate and Approving the Leidy Southeast Project	12/18/2014
RP15-210-000	Tennessee Gas Pipeline Company, L.L.C. submits tariff filing Cashout Report and Refund Plan 2013-2014	12/4/2014
CP14-68-000	Texas Eastern Transmission, LP submits an application for a certificate of public convenience and necessity for its Ohio Pipeline Energy Network Project	12/2/2014
CP15-12-000	Columbia Gas Transmission, LLC -Blanket Prior Notice Application to abandon and construct request to abandon, modify and uprate the Broad Run Connector Project	11/11/2014
CP15-11-000	Columbia Gas Transmission, LLC request Blanket Prior Notice Application to abandon and construct certain natural gas facilities of to replace coated steel pipeline and facilities located in York and Adams County PA	11/11/2014
RP15-95-000	Transcontinental Gas Pipe Line Company, LLC submits tariff filing GSS LSS Tracker Filing to be effective 11/1/2014	11/3/2014
RP15-130-000	Tennessee Gas Pipeline Company, L.L.C. submits tariff filing Pro Forma - LMS-MA and LMS-PA Cash Out Indices to be effective 12/31/9998	11/3/2014
RP15-110-000	Columbia Gas Transmission, LLC submits tariff filing OTRA Tariff Update to be effective 12/1/2014	11/3/2014
RP15-109-000	Columbia Gulf Transmission, LLC submits tariff filing Penalty Crediting Mechanism Revisions to be effective 12/1/2014	11/3/2014
RP15-108-000	Columbia Gas Transmission, LLC submits tariff filing Penalty Crediting Mechanism Revisions to be effective 12/1/2014	11/3/2014
RP15-122-000	Texas Eastern Transmission, LP submits ASA tariff filing to be effective 12/1/2014	10/31/2014
RP15-112-000	Columbia Gas Transmission, LLC submits tariff filing OTRA - Winter 2014 to be effective 12/1/2014	10/31/2014
RP15-74-000	Texas Eastern Transmission, LP submits PCB tariff filing to be effective 12/1/2014	10/28/2014
RP15-60-000	Transcontinental Gas Pipe Line Company, LLC submits tariff filing 2014 Penalty Sharing Report	10/27/2014
RP15-18-000	Transcontinental Gas Pipe Line Company, LLC submits tariff filing DPE Provisions Filing	10/2/2014
RP15-6-000	Columbia Gas Transmission, LLC submits tariff filing Section 19 Revision - Penalties to be effective 11/1/2014	10/1/2014
RP14-1306-000	Tennessee Gas Pipeline Company, L.L.C. submits tariff filing Pipeline Safety and Greenhouse Gas Cost Adjustment to be effective 11/1/2014	10/1/2014
RP14-1300-000	Dominion Transmission, Inc. submits tariff filing DTI - 2014 Annual TCRA to be effective 11/1/2014	9/30/2014

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RP14-1299-000	Dominion Transmission, Inc. submits tariff filing - 2014 Annual EPCA to be effective 11/1/2014	9/30/2014
RP14-1277-000	Transcontinental Gas Pipe Line Company, LLC submits tariff filing per LNG Fuel Tracker Filing 2014 to be effective 11/1/2014	9/29/2014
CP14-17-000	Columbia Gas Transmission, LLC submits an application for a certificate of public convenience and necessity or East Side Expansion Project	9/29/2014
RP14-1274-000	Transcontinental Gas Pipe Line Company, LLC submits tariff filing : Annual Cash-Out Report Period Ending July 31, 2014	9/25/2014
CP14-510-000	Dominion Transmission, Inc. submits an application for a certificate of public convenience and necessity to replace approximately 6.1 MMDt of leased base gas in its North Summit Storage Pool and to amend the current lease of base gas	9/23/2014
RP14-1221-000	Texas Eastern Transmission, LP submits Operational Entitlements tariff filing on 8/29/2014	9/9/2014
RP14-1240-000	Columbia Gulf Transmission, LLC submits its FTS-2 Out of Path Refund Report	9/2/2014
RP14-1223-000	Columbia Gulf Transmission, LLC's submits its Annual Cash-Out Report	9/2/2014
RP14-1210-000	Transcontinental Gas Pipe Line Company, LLC submits tariff filing GSS LSS SS-2 S-2 2014 TGPL ACA Tracker Filing to be effective 10/1/2014	8/28/2014
RP14-1205-000	Texas Eastern Transmission, LP submits tariff filing Rate Schedules FTS-7 and FTS-8 Section 10 Cleanup to be effective 10/1/2014	8/28/2014
RP14-1193-000	Columbia Gas Transmission, LLC submits tariff filing Section 4 Revisions - Availability of Capacity for Firm Services to be effective 9/20/2014	8/25/2014
CP14-99-000	Columbia Gas Transmission, LLC submits an application for a certificate of public convenience and necessity to construct Line 1655 North	8/22/2014
RP14-1174-000	Transcontinental Gas Pipe Line Company, LLC submits tariff filing Report of Refund Transco's GSS LSS Customer Share of DTI Penalty Revenue 2014	8/7/2014
RP14-1139-000	Transcontinental Gas Pipe Line Company, LLC submits tariff filing to Remove X-269 References to be effective 8/1/2014	7/29/2014
RP14-1100-000	Texas Eastern Transmission, LP submits filing to modify various provisions of the Tariff accurately reflect current and anticipated system operations and bidirectional flow	7/22/2014
CP14-504-000	Transcontinental Gas Pipe Line Company, LLC submits an application for a certificate of public convenience and necessity for its Rock Springs Expansion Project	7/22/2014
RP14-1115-000	Dominion Transmission, Inc. submits tariff filing Volume 1 & 1B Administrative Changes to be effective 8/21/2014	7/21/2014
CP14-510-000	Dominion Transmission, Inc. place approximately 6.1 MMDt of leased base gas in its North Summit Storage Pool	7/10/2014
RP14-1082-000	Dominion Transmission, Inc. submits tariff filing Overrun and Penalty Revenue Distribution	7/1/2014



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RP14-1069-000	Texas Eastern Transmission, LP submits tariff filing EPC AUG 2014 Filing to be effective 8/1/2014	6/30/2014
CP13-8-000	Columbia Pipeline Group Line submits an application for a certificate of public convenience and necessity for MB Extension Project to Extend Line MB	6/11/2014
RP14-939-000	Tennessee Gas Pipeline Company, L.L.C. submits tariff filing Scheduling Priority Provisions to be effective 6/17/2014	5/19/2014
RP14-850-000	Transcontinental Gas Pipe Line Company, LLC submits tariff filing Transco's GSS LSS Customers Share of DTI GSS Fuel Refund	5/9/2014
RP14-784-000	Texas Eastern Transmission, LP submits tariff filing TETLP Reverse Flow Filing to be effective 6/1/2014	5/7/2014
RP14-829-000	Tennessee Gas Pipeline Company, L.L.C. submits tariff filing Station 87 - Zone 1 Supply Area Pooling Area to be effective 6/1/2014	5/5/2014
RP14-833-000	Transcontinental Gas Pipe Line Company, LLC submits tariff filing Rate Adjustment for Eminence Insurance Proceeds to be effective 6/1/2014	5/1/2014
RP13-584	Columbia Gas Transmission, LLC submits tariff filing TCO Modernization Settlement Implementation to be effective 3/1/2013	5/1/2014
RP14-787-001	ANR Pipeline Company submits tariff filing Cashout 2014 to be effective 6/1/2014	4/29/2014
RP14-763-000	Transcontinental Gas Pipe Line Company, LLC submits tariff filing Annual Adjustment to Rate Schedule SS-2 Storage Gas Balances 2014 to be effective 5/1/2014	4/22/2014
RP12-993-004	Transcontinental Gas Pipe Line Company, LLC submits tariff filing per 154.501: Rate Case Settlement Refund Report	4/21/2014
RP14-46-001	Transcontinental Gas Pipe Line Company, LLC submits tariff filing Tariff Revision and Clarification Filing October 2013 to be effective 11/16/2013	4/15/2014
RP14-712-000	Columbia Gas Transmission, LLC submits tariff filing OTRA - Summer 2014 to be effective 5/1/2014	4/1/2014
RP14-650-000	ANR Pipeline Company submits tariff filing DTCA 2014 to be effective 5/1/2014	4/1/2014

The objective of UGI's FERC activity is to obtain transportation and storage services consistent with a least-cost purchase strategy by intervention and active participation in all cases having a material effect on gas cost, supply, transportation and storage services. This objective is accomplished by intervention and active participation in cases including, but

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not limited to, Natural Gas Act Section 4 Base Rate Proceedings and Certificate Proceedings for relevant pipelines, and generic FERC rulemakings or policy statements.

UGI's FERC activity is concentrated on matters involving the jurisdictional pipelines listed below along with the services for which UGI contracts or will contract during the 20-month projected period.

- |                   |   |
|-------------------|---|
| (1) Columbia      | UGI contracts for firm storage service under Rate FSS; and for firm transportation services under Rates FTS, NTS, and SST.                  |
| (2) Columbia Gulf | UGI contracts for firm transportation service under rate schedule FTS-1.  |
| (3) Transco       | UGI contracts for firm transportation services under Rates FT, and PS-FT and for firm storage services under Rates GSS, SS-2, and Eminence. |
| (4) Texas Eastern | UGI contracts for firm transportation service under Rates FT-1, CDS, FTS-5, FTS-7, and LLFT.  |
| (5) ANR           | UGI contracts for firm transportation service under Rate FTS-1; and for firm storage service under Rate FSS.                                |
| (6) Dominion      | UGI contracts for firm storage services under Rate GSS.   |
| (7) Tennessee     | UGI contracts for firm transportation service under Rate FT-A.  |
| (8) Egan Hub      | UGI contracts for firm storage service under Rate FSS.  |

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The degree to which UGI participates in FERC proceedings depends upon the nature of the case and the potential impact on UGI's ratepayers. UGI participation includes but is not limited to:

- communication and negotiation with pipelines;
- coordination with other customers with similar interests;
- interventions in the form of support, protests and comments;
- active role at settlement or prehearing conferences;
- presentation of testimony and cross examination of opposing witnesses;
- presentation of briefs, exceptions and appeals;
- communication with State regulatory bodies for assistance in FERC matters.

Any particular case in which UGI intervenes may require all or a combination of the above. Certain issues may require lengthy litigation; while for others, the settlement process is more economical and practical. UGI retains the law firm of Post & Schell as counsel on FERC matters.

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SECTION 4 [52 Pa. Code §53.64(c)(5)] SUPPLY/DEMAND PROJECTIONS

Provide a listing and updating, if necessary, of projections of gas supply and demand provided to the Commission for any purpose--see §59.67 (relating to formats). In addition, provide an accounting of the difference between reported gas supply available and gas supply deliverable--including storage--from the utility to its customers under various circumstances and time periods.

RESPONSE:

Attachment 4-1, presents data filed in UGI's 2015 IRP. The available gas supply, volume delivered and demand are in balance.

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FORM-IRP-GAS-1A: ANNUAL GAS REQUIREMENTS  
REPORTING UTILITY: UGI UTILITIES, INC.  
(volumes in MMcf)

Index Year Actual Year	Historical Data		Current Year	Three Year Forecast		
	-2 2013	-1 2014	0 2015	1 2016	2 2017	3 2018
<b>Firm Sales:</b>						
Retail Residential	20,335	21,914	21,012	21,901	22,431	23,032
Retail Commercial	7,663	8,907	8,281	8,603	8,962	9,465
Retail Industrial	598	630	436	410	391	376
Electric Power Generation	0	0	0	0	0	0
Exchange with Other Utilities	0	0	0	0	0	0
Unaccounted For	481	(23)	601	598	602	606
Company Use	148	159	166	166	166	166
Other	0	0	0	0	0	0
Subtotal Firm Sales	29,225	31,587	30,496	31,678	32,552	33,645
<b>Interruptible Sales:</b>						
Retail	8	9	0	0	0	0
Electric Power Generation	0	0	0	0	0	0
Company's Own Plant	0	0	0	0	0	0
Subtotal Interruptible Sales	8	9	0	0	0	0
<b>SUBTOTAL FIRM AND INTERRUPTIBLE SALES</b>	<b>29,233</b>	<b>31,597</b>	<b>30,496</b>	<b>31,678</b>	<b>32,552</b>	<b>33,645</b>
<b>Transportation:</b>						
Firm Residential	2,901	3,663	3,647	3,641	3,606	3,573
Firm Commercial	13,500	15,436	14,996	15,217	15,229	15,130
Firm Industrial	18,783	20,420	23,082	23,120	23,634	23,558
Interruptible Residential	0	0	0	0	0	0
Interruptible Commercial	3,862	3,334	3,503	3,469	3,492	3,492
Interruptible Industrial	49,355	47,727	49,770	49,761	49,790	49,790
Electric Power Generation	0	0	0	0	0	0
Subtotal Transportation	88,402	90,580	94,998	95,207	95,751	95,542
<b>TOTAL GAS REQUIREMENTS</b>	<b>117,635</b>	<b>122,176</b>	<b>125,494</b>	<b>126,885</b>	<b>128,302</b>	<b>129,187</b>
Increase (Decrease)		4,541	3,318	1,391	1,417	885
Percent Change (%)		3.9%	2.7%	1.1%	1.1%	0.7%

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FORM-IRP-GAS-2A: NATURAL GAS SUPPLY  
REPORTING UTILITY: UGI UTILITIES, INC.  
**TABLE 1: ANNUAL SUPPLY**  
(volumes in MMcf)

Index Year Actual Year	Historical Data		Current Year	Three Year Forecast		
	-2 2013	-1 2014	0 2015	1 2016	2 2017	3 2018
<b>Gas Supply for Sales Service</b>						
Supply Contracts						
Z	10,290	11,947	1,938	0	0	0
F	4,798	7,634	1,815	0	0	0
FF	3,890	5,695	1,301	0	0	0
T	3,631	4,533	1,188	0	0	0
EE	2,369	3,513	857	0	0	0
A	2,095	2,696	524	0	0	0
K	1,287	1,049	502	0	0	0
M	1,251	904	499	0	0	0
BB	1,151	869	491	0	0	0
U	1,035	819	326	0	0	0
Supply Contracts (Other)	7,176	718	25,330	31,803	32,677	33,770
Spot Purchases	0	0	0	0	0	0
Storage Withdrawals	12,580	12,078	10,124	10,124	10,124	10,124
LNG/SNG/Propane Purchases	57	60	58	58	58	58
Company Production	0	0	0	0	0	0
Local Purchases	0	0	0	0	0	0
Exchanges with other LDCs	0	0	0	0	0	0
Other	0	0	0	0	0	0
<b>Total Gas Supply for Sales</b>	<b>51,610</b>	<b>52,515</b>	<b>44,954</b>	<b>41,985</b>	<b>42,859</b>	<b>43,952</b>
<b>Total Transportation Service</b>	<b>88,402</b>	<b>90,580</b>	<b>94,998</b>	<b>95,207</b>	<b>95,751</b>	<b>95,542</b>
<b>TOTAL SALES GAS SUPPLY AND TRANSPORTATION SERVICE</b>	<b>140,012</b>	<b>143,095</b>	<b>139,952</b>	<b>137,192</b>	<b>138,610</b>	<b>139,494</b>
<b>Deductions</b>						
Transportation Fuel	(940)	(1,178)	(355)	0	0	0
Curtailments	0	0	0	0	0	0
Underground Storage Injections	(13,310)	(12,480)	(10,307)	(10,307)	(10,307)	(10,307)
LNG Liquefaction	0	0	0	0	0	0
Sales to other LDCs	0	0	0	0	0	0
Off-System Sales	(8,127)	(7,260)	(3,796)	0	0	0
<b>Total Deductions</b>	<b>(22,377)</b>	<b>(20,918)</b>	<b>(14,458)</b>	<b>(10,307)</b>	<b>(10,307)</b>	<b>(10,307)</b>
<b>NET GAS SUPPLY</b>	<b>117,635</b>	<b>122,176</b>	<b>125,494</b>	<b>126,885</b>	<b>128,302</b>	<b>129,187</b>

Rank contracts in order of magnitude for the current year. Reporting should proceed along rank ordering until 75% of total contract supply is accounted for, or until ten contracts have been listed, whichever comes first. Provide a separate sheet identifying the supplier for each contract listed.

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SECTION 5 [52 Pa. Code §53.64(c)(6)] FUEL PROCUREMENT PRACTICES

Each Section 1307(f) utility shall file with the Commission a statement of its current fuel procurement practices, detailed information concerning the staffing and expertise of its fuel procurement personnel, a discussion of its methodology for obtaining a least cost and reliable source of gas supply, including a discussion of any methodologies, assumptions, models or rules of thumb employed in selecting its gas supply, transportation and storage mix, its loss prevention strategy in the event of fraud, nonperformance or interruption of performance, its participation in capacity release and reallocation programs, the impact, if any, upon least cost fuel procurement by constraints imposed by local transportation end users, interruptible service, balancing, storage and dispatching options, and its strategy for improving its fuel procurement practices in the future and timetable for implementing these changes.

RESPONSE:

STATEMENT OF FUEL PROCUREMENT PRACTICES

UGI's fuel procurement practices are designed to meet the natural gas capacity requirements of its core market customers, which include PGC and Choice, and the natural gas supply requirements of its firm PGC customers following a least cost procurement strategy, providing secure and reliable capacity and supplies and promoting price stability.

STAFFING

An organizational chart depicting UGI's current Supply Department staff has been included as Attachment 5-1. There are three functional groups which play key roles in fulfilling the company's primary supply goals. These groups are **Short Term Supply Planning and Procurement**, **Long Term Supply Planning and Procurement** and **Gas Control**. Each of these groups is responsible for meeting the supply requirements of not only UGI, but also meeting these same requirements for UGI Penn Natural Gas, Inc. ("PNG") and UGI Central Penn Gas ("CPG"). Members of these teams make up a diverse group

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which encompasses varied levels and areas of utility industry experience. The average tenure of each member within the utility is approximately 15 years. These individuals have experience and expertise in the areas of Engineering, Operations, Marketing, Rates, Regulatory Affairs, Accounting and Finance.

**Short Term Supply Planning and Procurement** personnel are responsible for supply activities related to terms of one month or less. Some of the responsibilities under short term planning include defining demand requirements and identifying and negotiating supplies required to meet the demand along with contingency plans to handle fluctuations in demand. The group is also responsible for implementing the procurement plans, which includes the purchase of supplies, nomination and scheduling of supplies and the associated accounting and record keeping related to these activities.

**Long Term Supply Planning and Procurement** personnel are responsible for supply activities related to terms of more than one month. Some of the responsibilities under long term planning include issuing requests for proposals (RFPs) and negotiating contracts related to interstate pipelines, producers and marketers involved in the delivery of natural gas to the company. A primary goal of this group is to develop and maintain a highly reliable and diverse list of available suppliers. This is an extremely important component in the company's reliability planning which helps to assure the availability of firm supply to core market customers. Additionally, personnel in this group are responsible for monitoring pertinent Federal and State proceedings and promoting the interests of UGI's customers with the regulatory authorities. UGI's primary FERC activities are in base rate cases, certification proceedings and rulemakings. Base rate



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interventions require monitoring of pipeline cost policies. Certification proceedings involve authorizations for facilities and interconnections to broaden UGI's access to lesser-cost or more reliable gas supplies. Pipeline certificate proceedings are also monitored to prevent inequitable cost shifting to UGI's customers.

**Gas Control** personnel are primarily responsible for monitoring system pressures and flows in an effort to respond to the needs of the distribution system in order to ensure safe and reliable service. Additionally, Gas Control is responsible for monitoring daily demand and balancing such demand with those supplies provided by the Short Term Supply Planning and Procurement group. Gas Control personnel perform the majority of these duties through the utilization of a Supervisory Control and Data Acquisition (SCADA) system. This system is able to continually monitor the distribution system 24 hours per day, 7 days per week. Gas Control is also able to measure hourly and daily pipeline flows into its system to compare with those same measurements made by the interstate pipelines. This ensures that the proper quantities of gas are accurately recorded and eventually billed.

DISCUSSION OF FUEL PROCUREMENT METHODOLOGY

UGI's fuel procurement practices are designed to meet the natural gas requirements of its firm customers following a least cost procurement strategy, providing secure and reliable supplies and promoting price stability.

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**RELIABILITY**

UGI's objective to provide reliable natural gas supplies is reached through a variety of approaches. The primary approach that is of utmost importance is the procurement of primary firm asset backed capacity for core market customers. UGI's philosophy emphasizes the ability to provide each firm customer with natural gas supply every day of the year. Over the last several years there has been a notable increase in the number of interstate pipeline capacity constraints which has curtailed capacity with non-primary rights. Without primary firm asset backed capacity, UGI cannot guarantee supply reliability.

Another important piece of the reliability plan is the inclusion of a diverse mix of reliable supply sources in the supply portfolio. Over the past year, UGI contracted for firm transportation, firm delivered supply, firm storage and firm peaking services from a mix of eight interstate pipeline companies and one supplier. These providers are ANR, Columbia, Columbia Gulf, Dominion, Egan, Tennessee, Texas Eastern, Transco, and UGI Energy Services. The source points for UGI's gas supplies span from the Gulf of Mexico, Louisiana, and Texas to the Appalachian Mountains and Marcellus Shale region in Pennsylvania. In particular the Marcellus Shale region has become a growing supply source for UGI over the past few years.

While there are vast quantities of natural gas being produced in the Marcellus Shale region, so much so that gas is being shipped to other parts of the country, some of the Marcellus production is flowing into pricing locations that are not yet liquid. To compensate for the lack of liquidity in parts of the Marcellus Shale region, UGI contracts for firm supply at these Marcellus supply locations in advance via RFP or other form of

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competitive bidding as appropriate. However, increasing supplies from certain parts of the Marcellus are flowing into liquid markets and UGI has been shifting its portfolio to take advantage of these locations. Even though UGI is shifting to Marcellus, UGI's non-Marcellus supply locations continue to be liquid.

UGI also increases the reliability of supply by using storage facilities. During the summer season UGI buys natural gas and injects it into underground storage fields. During the winter season, UGI withdraws this gas from the storage fields to supplement baseload purchases. UGI's firm storage provides the company with supply points that are geographically diverse, located primarily in UGI's market area as opposed to the gulf coast. Having supplies available from varied locations reduces the risk of losing a large portion of supply at a single location. For example, storage facilities located within the market areas are not as susceptible to hurricanes as are gulf coast production facilities. Currently, UGI has approximately 12 MMdth of underground storage in its supply portfolio.

One storage field, Egan, differs from the "traditional storage field" in that the field is geographically located in the production area of Louisiana. This storage field is a salt dome storage field with high deliverability. UGI uses this storage field to further increase reliability. The gas withdrawn from this storage field can be used in conjunction with capacity that has been recalled from interruptible customers or used as a back-up to lost supplies due to well freeze-offs, production problems from hurricanes or other force majeure occurrences.

For core market customers such as residential and small commercial and industrial customers on UGI's system, UGI's Customer Choice Program requires

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Choice Suppliers to accept releases of primary firm pipeline capacity contracted by UGI in an effort to maintain system reliability and facilitate the prudent allocation of costs. In addition to the requirement to comply with tariff Rate AG, which includes established penalties for failure to perform as an attempt to assure market discipline by Choice Suppliers, Choice Suppliers are also required to execute an Aggregation Agreement. This agreement allows UGI to recall released capacity to meet its supplier of last resort obligation to ensure the reliability of supply for the core market in the event of a supplier default and reduce risk during the supply transition under a default scenario.

UGI also has an opportunistic benefit to enter into gas purchases and sales between distribution company affiliates PNG and CPG in order to provide another layer of system balancing opportunities. To the extent one distribution company affiliate is long and another is short on any given day or month, UGI can take advantage of the portfolio synergies between the companies in this manner thus avoiding purchasing supplies in the spot market and avoiding potential pipeline penalties.

**PRICE STABILIZATION**

In accordance with the Settlement in UGI's 2004 purchased gas cost filing (Docket No. R-00049422), UGI hired a consultant with expertise in the use of financial instruments to review UGI's PGC risk management plan. The consultant's recommendations were reviewed and adopted by UGI as part of a settlement agreement with the PA PUC. The revised hedging strategy consists of a time-triggered, layering in approach for procurement of PGC seasonal supplies over a longer planning horizon. Additionally, UGI utilizes

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financial instruments, specifically futures and options, in pursuit of its ongoing gas purchasing strategy to promote price stability and maintain operational flexibility. UGI incorporates the purchase of options into its PGC supply portfolio at an annual cost not to exceed 1% of UGI's annual purchased gas costs projected in the prior year's 1307(f) Book 1 filing.

**PLANNING TOOLS**

As described in Section 2-B, UGI has two main planning tools that it uses in an effort to achieve the objectives of least cost procurement, reliability, risk management, and price stability. These two main tools are SENDOUT® and load duration analysis. Both tools are used to model the natural gas demand and supply balance. The demand and supply balance is modeled first yearly and seasonally and then drills down to monthly, weekly, and daily time frames. UGI adjusts the monthly and daily plans based on actual weather and seasonal and annual constraints. Through this planning process UGI works toward achieving the main procurement objectives as stated above.

Annually and seasonally, UGI's use of SENDOUT® and the load duration analysis determines system capacity requirements. UGI then aggressively pursues available market options to fill any incremental capacity needs. On a monthly and daily basis UGI works towards implementing the plans from SENDOUT® and the load duration analysis. Since SENDOUT® is a linear program which solves for least cost, UGI is continually implementing a plan based on a least cost optimization of the entire asset portfolio. Additionally, because SENDOUT is also assessing the impacts of demand and price volatility,

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a thorough risk-based planning process is inherently part of the UGI Gas Supply plan.

Included in the portfolio and plans, among other assets, are the use of swing rights on firm transportation contracts and peaking services. These no-notice services help in balancing the distribution system on a daily basis. Differences in the plan and actual results can arise from rapidly changing weather patterns, imprecise weather forecasts, economic shifts, or pipeline restrictions.

**CAPACITY RELEASE AND INCENTIVE SHARING**

Federal regulatory policies provide opportunities to sell or release pipeline and storage capacities when they are not needed to meet firm demand. Such policies also permit UGI to acquire capacity released by other shippers. UGI will consider bidding on released capacity or releasing its own capacity when it aligns with its procurement policy.

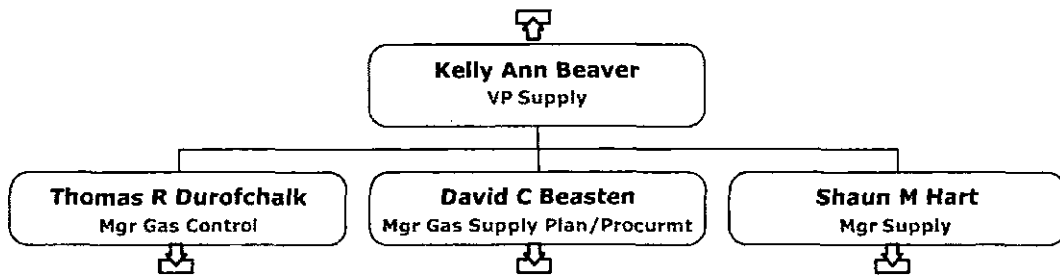
During the past 12 months, UGI's credits from short term, off-system capacity releases, storage asset management and off-system sales are included in Attachment 1-A-1 under the line item labeled "Capacity Release/Incentive Sharing." Attachments 1-B-1 and 1-B-2 show UGI's forecast for these same credits for the projected 20-month period.

**SUMMARY**

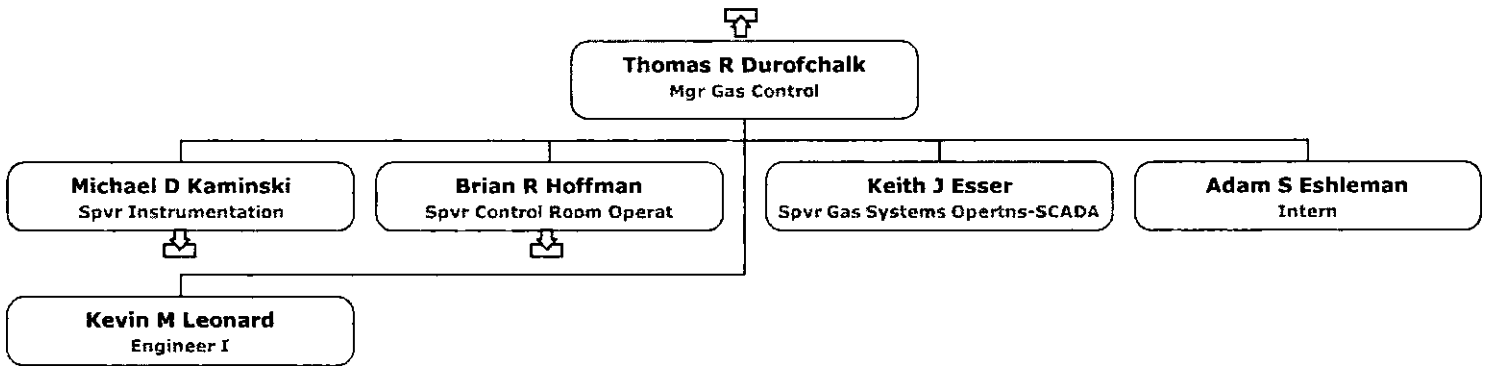
In summary, UGI's fuel procurement practices are designed to meet the natural gas requirements of its firm customers following a least cost procurement strategy, providing secure and reliable supplies and promoting price stability. UGI utilizes several risk management software applications,

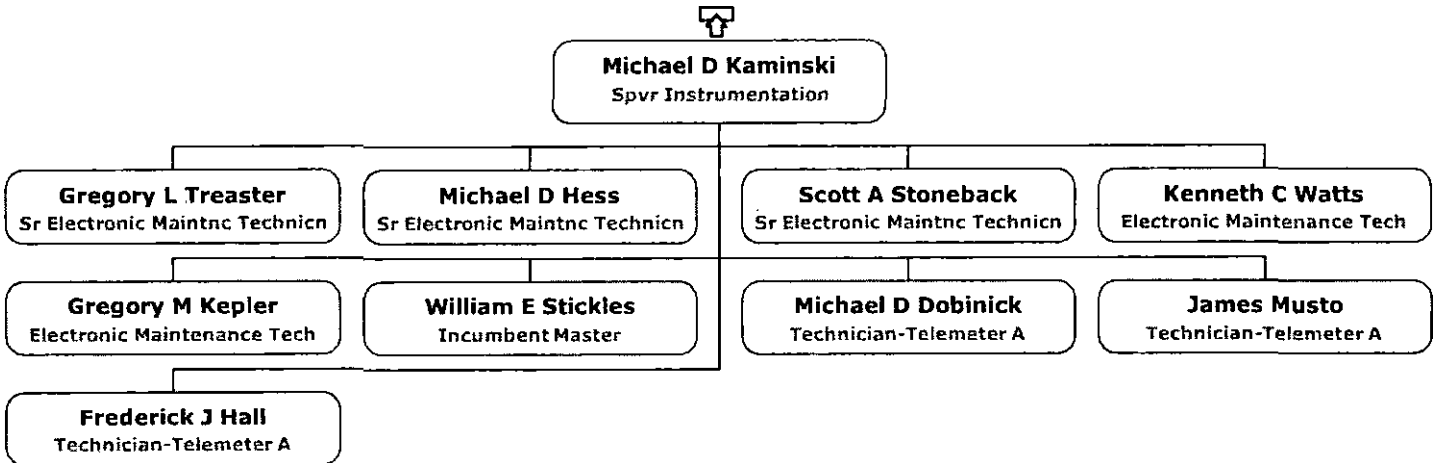
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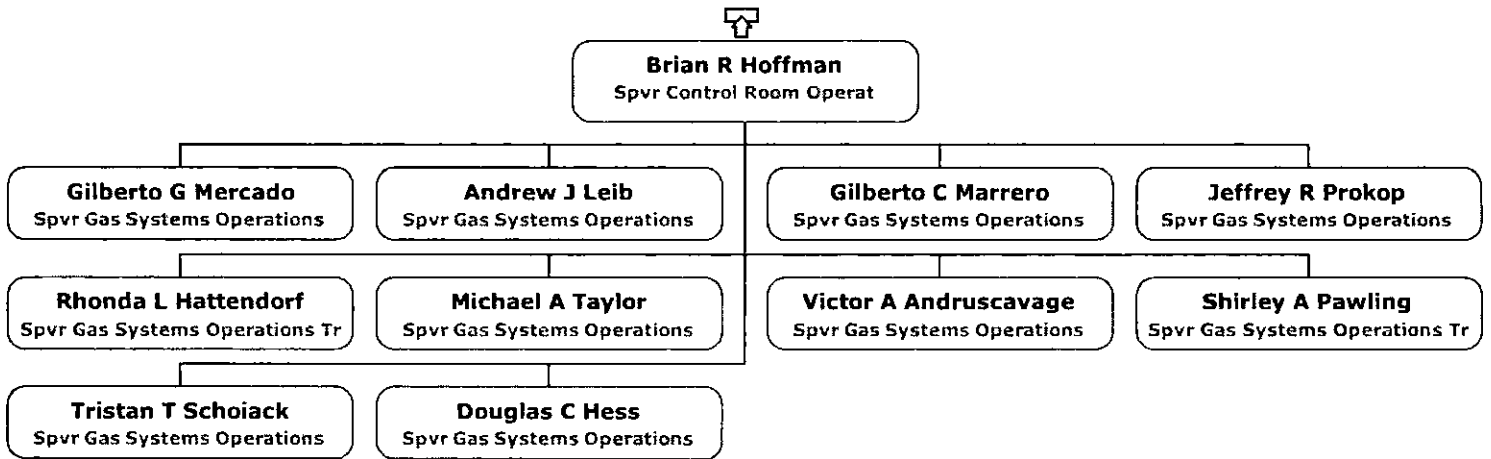
a diverse portfolio, and the resident knowledge of its employees to meet these objectives in a least cost manner. However, UGI recognizes there is always room for further improvement. As outlined earlier in this section, UGI will continue to seek out new solutions to better achieve the stated procurement goals.

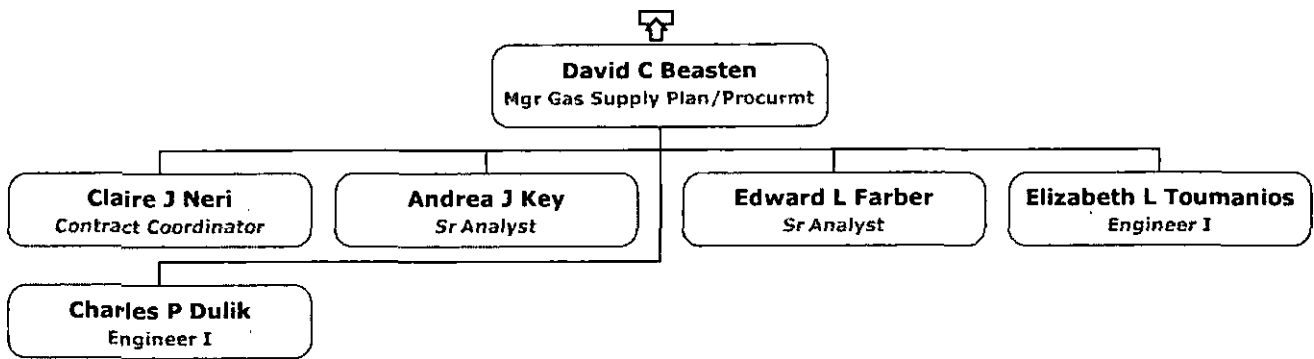


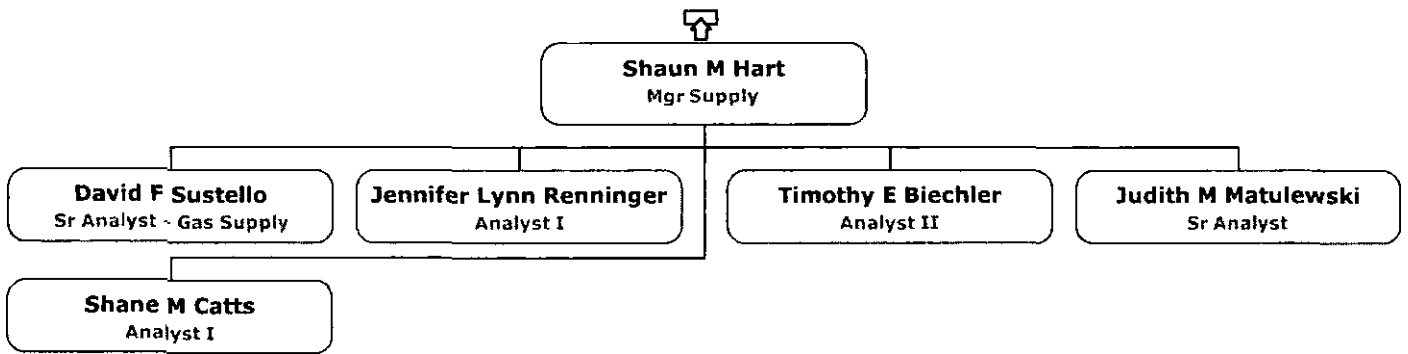












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SECTION 6 [52 Pa. Code §53.64(c)(7)] OFF-SYSTEM SALES

A list of off system sales, including transportation, storage or capacity releases by the utility at less than the weighted average price of gas, or at less than the original contract cost of transportation, storage or capacity supplied to the utility for its own customers.

RESPONSE:

Please refer to Attachments 1-A-1, 1-B-1 and 1-B-2.

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SECTION 7 [52 Pa. Code §53.64(c)(8)] TRANSPORTATION AGREEMENTS

Provide a list of agreements to transport gas by the utility through its system, for other utilities, pipelines, or jurisdictional customers including the quantity and price of the transportation.

RESPONSE:

UGI uses a standard form of contract for agreements with transportation customers. A copy of the standard form of agreement is attached as Attachment 7-1.

As of March 31, 2015, UGI is transporting gas for 1,305 large (non-choice) customers. Of these, 297 are served under Rate IS/IL (Interruptible Service - Small Volume/Large Volume) - DSO (Delivery Service Option), 53 are served under Rate XD (Extended Large Volume Delivery Service), 248 are served under Rate LFD (Large Firm Delivery Service), with the remaining 707 customers served under Rate DS (Delivery Service Rider). In addition to these customer counts, UGI is transporting gas for 46,018 Choice transportation customers served under Rate RT (Residential Transportation), 10,071 Choice transportation customers served under Rate NT (Non-Residential Transportation) and 4 Choice transportation customers served under Rate CT(Commercial and Industrial Air Conditioning).

UGI's Gas Tariff - PA P.U.C. No. 5 contains the tariff pages of UGI's currently effective Transportation Rate Schedules. Pricing information is included in each Rate Schedule within the Rate Table Section. A complete copy of UGI's current Gas Tariff is available on our website at <http://www.ugi.com/gasmngmt/UGIU/tariff.shtml>.

The total volume transported by UGI for the 12 months ending March 31, 2015 is shown on Attachment 1-C-1.

**RATE DS SERVICE AGREEMENT**

\_\_\_\_\_, a \_\_\_\_\_ Corporation/Partnership/Sole Proprietorship ("Customer") and UGI Utilities, Inc., a Pennsylvania Corporation ("UGI"), intending to be legally bound hereby, enter into this Agreement (the "Agreement") this \_\_\_ day of \_\_\_\_\_, 20\_\_.

1. Tariff Provisions - UGI's Tariff Gas Pa. P.U.C. No. 5 ("Tariff"), UGI's Nomination Procedure ("Nomination Procedure") and any effective amendments to the Tariff and Nomination Procedure during the term of this Agreement, specify rules for Rate DS service, are incorporated herein by reference and supersede any inconsistent provisions of this Agreement.

2. Term - This Agreement shall become effective on the date first above written, and shall continue in effect for a term of one year. This Agreement shall automatically renew for a like term unless terminated at the end of any term by ninety (90) days' prior written notice; provided, however, that the advance notice provisions of Section 8 hereof shall remain in effect following any termination of this Agreement.

In consideration of the rates and other service conditions specified herein and in the Tariff, during the full term of this Agreement Customer shall (a) acquire its full firm gaseous fuel delivery requirements from UGI and (b) not apply, or cause others to apply, for gaseous fuel delivery service commencing during or after the term of this Agreement unless (a) the entity is authorized by a blanket certificate or otherwise by the Federal Energy Regulatory Commission to provide such service or (b) the entity has obtained a ruling or Certificate of Public Convenience from the Pennsylvania Public Utility Commission or other regulatory or judicial body having jurisdiction that the provision of such service is permissible.

3. Service to be Provided - Subject to the terms of this Agreement, for each twenty-four hour period commencing at 10:00 a.m. during the term of the Agreement (a "Gas Day"), UGI shall transport between the Pipeline Delivery Point(s) and the Destination Point(s) stated below the volumes of natural gas nominated properly by Customer, less retainage for UGI system use and losses:

Pipeline Delivery Point(s) - Any pipeline interconnect with UGI's system. (May be modified upon 30 days written notice.)

Destination Point(s) - \_\_\_\_\_

4. Nomination - Customer shall nominate the volumes of natural gas to be delivered to the Pipeline Delivery Point(s) stated above during each Gas Day. Applicable nomination rules are set forth in UGI's Nomination Procedures.

5. Customer Obligation to Deliver - Customer is required during each Gas Day to deliver to the Pipeline Delivery Point(s) the volumes of gas it has nominated for delivery.

6. Daily Balancing - Customer shall use its best efforts to balance its nominated deliveries to the Pipeline Delivery Point(s), less retainage for UGI system use, with its withdrawals at the Destination Point(s) on a daily basis. If Customer is not served through daily metering facilities, UGI shall provide and Customer shall pay for UGI No-Notice Service ("NNS") to accommodate inadvertent daily imbalances. If Customer is served through daily metering facilities, it shall select one of the following to accommodate inadvertent daily imbalances:

Check One:

NNS for all inadvertent daily imbalances.

NNS for up to \_\_\_\_\_ MCF/Gas Day.

No NNS.

Inadvertent daily imbalances in excess ten percent per Gas Day not accommodated by NNS shall be subject to the penalties specified in the Tariff.

7. Monthly Balancing - Customer shall balance its nominated deliveries to the Pipeline Delivery Point(s), less retainage for UGI system use, to its withdrawals at the Destination Point(s) on a monthly basis. Inadvertent monthly imbalances shall be cashed-in/cashed-out as specified in the Tariff except to the extent Customer elects UGI Monthly Balancing Service ("MBS") and the inadvertent monthly imbalance can be accommodated under the terms and conditions specified in the Tariff for MBS.

Customer hereby does/does not elect MBS.

8. Upstream Transportation - Customer agrees that UGI shall act as Customer's agent for the sole purposes of (a) arranging and administering the transportation of gas to the Pipeline Delivery Point(s), (b) executing agreements and amendments thereto as may be necessary to effectuate such transportation arrangements and (c) paying the transportation and other charges associated with such transportation arrangements. Customer acknowledges and accepts the use of pipeline capacity and storage services assigned by UGI to its DS customers to deliver gas to the Pipeline Delivery Point(s). Customer acknowledges further that UGI has acquired or assigned a portfolio of pipeline and storage contracts to meet the requirements of its firm customers, and that such contracts often have multi-year



terms. Accordingly, unless otherwise waived by UGI, Customer shall provide UGI with three year's advance notice of its desire to utilize other transportation arrangements and, if approved by UGI, such arrangements shall be effectuated on the third anniversary of the request. Similarly, if Customer utilizes other transportation arrangements, it shall provide UGI with three year's advance notice of its desire to utilize services provided by pipeline or storage arrangements of UGI or assigned by UGI to its firm customers.

9. Measurement and Billing - UGI shall bill Customer on a monthly basis for Rate DS and, if applicable, Rate NNS and Rate MBS service. Upstream transportation and balancing provider(s)' and UGI records shall determine volumes delivered by Customer to the Pipeline Delivery Point(s), and UGI measuring facilities shall determine volumes delivered to the Destination Point(s). For billing purposes, all gas consumed shall be corrected to standard conditions of 14.73 pounds per square inch, absolute pressure, and a temperature of sixty (60) degrees Fahrenheit. Customer shall also reimburse UGI for any of Customer's upstream transportation and service charges within ten (10) days after UGI bills Customer for such charges, and agrees to pay the late payment charge specified in the Tariff if such payments are late.

10. Warranties and Indemnification - Customer warrants that (a) it shall have good title to all gas delivered to upstream transporters and UGI, (b) such gas shall be free of all liens or encumbrances of any kind, (c) that gas delivered to upstream transporters shall be of sufficient pressure, heating quality and other physical qualities so that any upstream transporter shall receive and transport it and (d) that Customer is an eligible end-user of gas to be transported hereunder and shall conform to all applicable Federal Energy Regulatory Commission and upstream service provider rules and regulations. Customer shall hold UGI and each of its officers, employees, successors and assigns harmless from any claim (including reasonable attorney's fees in defense thereof or required to enforce this provision) arising out of Customer's breach of this Agreement or any of Customer's warranties hereunder.

11. Service Interruptions and Force Majeure - UGI's transportation of gas hereunder is on a best efforts basis, may be interrupted to comply with governmental requirements and shall only be provided to the extent UGI determines, in its sole judgment, that adequate transportation and delivery capacity is available on UGI's system and the system of any third party necessary to deliver gas to Customer. UGI and Customer shall not be liable to the other for any act of omission hereunder caused by an event not reasonably within the control of the party and which by the exercise of due diligence such party is unable to prevent or overcome (a "Force Majeure"). If Customer is unable to take deliveries of gas because of a Force Majeure event, it shall nonetheless be responsible for all upstream capacity or customer charges, and all commodity charges for gas actually received during the Force Majeure event. A party claiming Force Majeure shall provide prompt written notice to the other party of the date of the Force Majeure event and its cause and probable duration.

12. Notices - Notices under this Agreement, unless changed by written notice, shall be delivered as follows:

to UGI at:	to Customer at:
P.O. Box 12677	_____
Reading, PA 19612-2677	_____
For Interruption:	Telephone: _____
Telephone: (610) 736-5528	
Fax: (610) 926-0724	
For Service:	
Telephone: Key Accounts _____	

13. Other Provisions - Customer may not assign this Agreement without the prior written consent of UGI; the failure by UGI to enforce any provision of this Agreement shall not constitute a waiver of such provision or of the right of UGI to avail itself of any remedy for the breach of such provision; this Agreement may only be modified in writing duly executed by the parties; and this Agreement shall constitute the entire agreement between the parties regarding the subject matter therein and shall supersede any previous agreements or communications, whether written or oral.

14. Counterparts - This Agreement may be executed in multiple counterparts, each of which shall be deemed an original, and all of which together shall constitute one and the same instrument. The delivery of an executed counterpart of this Agreement by e-mail delivery of a ".pdf" format data file shall be deemed to be valid delivery thereof. In the event that any signature is delivered by e-mail delivery of a ".pdf" format data file, such signature shall create a valid and binding obligation of the party executing with the same force and effect as if such ".pdf" signature page were an original thereof.

The parties have accordingly executed this Agreement the day and year first above written.

\_\_\_\_\_  
By: \_\_\_\_\_  
Name Printed : \_\_\_\_\_  
Title: \_\_\_\_\_

UGI UTILITIES, INC.  
By: \_\_\_\_\_  
Robert Stoyko  
Vice President

UGI UTILITIES, INC. - GAS DIVISION  
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SECTION 8 [52 Pa. Code §53.64(C)(9)] END-USER TRANSPORTATION VOLUME

Provide a schedule depicting historic monthly end-user transportation throughput by customer. Each customer or account shall be identified solely by a unique alphanumeric code, the key to which may be provided subject to the provisions of 52 Pa. Code §5.423 (relating to orders to limit availability or proprietary information).

RESPONSE

The total historic monthly end-user transportation throughput is listed in Attachment 1-C-1, Page 2 of 2. As of March 31, 2015, UGI serves 57,398 transportation customers. Of this count, 56,093 are served under the customer choice program while the remaining 1,305 customers are larger transportation customers.

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SECTION 9 [52 Pa. Code §53.64(c)(10)] SYSTEM MAP

Provide a schematic system map, locating and identifying by name, the pressure and capacity of all interstate or intrastate transmission pipeline connections, compressor stations, utility transmission or distribution mains 6 inches or larger in size, storage facilities, including maximum daily injection and withdrawal rates, production fields, and each individual supply or transportation customer which represents 5% or more of total system throughput in a month.

RESPONSE:

In light of the security concerns reflected in the Commission's Workplace Security Survey at Docket No. M-00021590, UGI has not included system maps in this filing, but would consider providing such maps to parties upon the issuance of an appropriate Commission order.

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SECTION 10 [Pa. Code §53.64(c)(11)] RATE STRUCTURE CHANGES

If any rate structure or rate allocation changes are to be proposed, a detailed explanation of each proposal reasons therefore, number of customers affected, net effect on each customer class, and how the change relates to or is justified by changes in gas costs proposed in the 1307(f) tariff filing. Explain how gas supply, transportation and storage capacity costs are allocated to customers who are primarily non-heating, interruptible or transportation customers.

RESPONSE:

At this time, UGI is not proposing any rate structure or rate allocation changes. If any changes are proposed, they will be included in the Direct Testimony submitted with our June 1, 2015 PGC Tariff Filing or in a separate filing.

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SECTION 11 [§53.64(c)(12); (13); and (14)] PEAK DAY

Provide a schedule depicting the most recent 5-year consecutive 3-day peak data by customer class (or other historic peak day data used for system planning), daily volumetric throughput by customer class (including end-user transportation throughput), gas interruptions and high, low and average temperature during each day. Include identification and support for any peak day methodology used to project future gas demands and studies supporting the validity of the methodology. Provide analysis and data demonstrating, on an historic and projected future basis, the minimum gas entitlements needed to provide reliable and uninterrupted service to priority one customers during peak periods.

**RESPONSE:**

**Historic Peak Day Data**

See attachments 11-1, page 1 & 2 for historic 5-year consecutive 3-day peak data.

**Methodology Used for Developing Projected Peak Day**

The methodology currently utilized by UGI to develop peak day temperatures was approved as part of the 2007 PGC comprehensive settlement at Docket No.R-00072335. Since there is a direct relationship between demand and temperature, UGI begins the development of the projected firm peak demand by determining the projected peak day temperature for both its primary service territory as well as the Hazleton service territory. Consistent with the settlement agreement language, UGI's design day temperature for its primary area is derived by adding 2.0 degrees to the coldest 24 hour temperature observed in its primary service territory over the 30 year period (1985-2014) in UGI's hourly temperature database. (The coldest 24-hour temperature recorded in this period was minus 5.6 degrees Fahrenheit.) This calculation produces a design day temperature of minus 3.6 degrees Fahrenheit. The design

UGI UTILITIES, INC. - GAS DIVISION  
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day temperature for the Hazleton service territory is derived by adding 1.9 degrees to the coldest 24 hour temperature observed in its primary service territory over the 30 year period (1985-2014) in UGI's hourly temperature database. (The coldest 24-hour temperature recorded in this period was minus 9.9 degrees Fahrenheit.) This calculation produces a design day temperature of minus 8.0 degrees Fahrenheit. Also, consistent with the provisions of the settlement, UGI will utilize a wind speed factor in the design day methodology which is equivalent to a 2.0 degree Fahrenheit heating demand impact.

With the design day temperatures calculated, UGI then develops a firm sendout equation using a linear regression analysis. Historical daily firm sendout is regressed against historical daily mean temperatures for each of the historical winter heating seasons. The firm sendout is determined by subtracting the large transportation customer's sendout from the total measured Sendout and then adding back the daily firm requirement (DFR) for the large firm customers on a peak day. The peak day temperature and the 2 degree Fahrenheit wind speed factor are then used in the historical firm equations to determine the historical firm peak day demand for each of the historical winters. Once UGI has a historical firm peak demand, UGI adjusts this number for known and projected changes in firm requirements. These changes can include actual or projected increases or decreases in customer counts and actual or projected increases or decreases in customer's daily firm requirements. For more specific detail for this year, please refer to UGI's direct testimony.

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**Projected Peak Day Demand for the 2015-2016 Winter**

UGI's design firm peak day projection for the upcoming 2015-2016 winter is 766  
Mdth per day.

<b>UGI UTILITIES</b>								
<b>EXPERIENCED 3-DAY PEAK PERIODS</b>								
<b>WINTER SEASON</b>	<b>DAY OF WEEK</b>	<b>DATE</b>		<b>VOLUME (MDTH)</b>	<b>MEAN TEMP</b>	<b>HIGH TEMP</b>	<b>LOW TEMP</b>	<b>CUSTOMER INTERRUPTIONS</b>
2010 - 2011	SATURDAY	JANUARY 22		489.3	13.125	20	7	PARTIAL IS, IL, & XD and 1 PRESSURE RELATED
	SUNDAY	JANUARY 23		519.7	13.125	23	2	PARTIAL IS, IL, & XD and 5 PRESSURE RELATED
	MONDAY	JANUARY 24		504.7	20.75	26	12	PARTIAL IS, IL, & XD and 3 PRESSURE RELATED
		<b>TOTAL</b>		<b>1,513.7</b>				
2011 - 2012	TUESDAY	JANUARY 3	PEAK DAY	611.0	19	27	11	PARTIAL IS, IL, & XD
	WEDNESDAY	JANUARY 4		597.4	26	32	20	PARTIAL IS, IL, & XD and 7 PRESSURE RELATED
	THURSDAY	JANUARY 5		555.4	31	40	25	PARTIAL IS, IL, & XD
		<b>TOTAL</b>		<b>1,763.9</b>				
2012 - 2013	TUESDAY	FEBRUARY 19		555.8	34	40	26	PARTIAL IS, IL, & XD and 1 FULL IS
	WEDNESDAY	FEBRUARY 20	PEAK DAY	633.9	26	29	23	PARTIAL IS, IL, & XD and 1 FULL IS
	THURSDAY	FEBRUARY 21		599.0	28	35	23	PARTIAL IS, IL, & XD and 1 FULL IS
		<b>TOTAL</b>		<b>1,788.6</b>				
2013 - 2014	TUESDAY	MARCH 3		675.9	15	20	10	PARTIAL IL & XD, 7 PRESSURE RELATED, and 9 FULL IS
	WEDNESDAY	MARCH 4		639.7	23	28	17	PARTIAL IS, IL & XD, 8 PRESSURE RELATED, and 7 FULL IS
	THURSDAY	MARCH 5		624.4	26	37	17	PARTIAL IS, IL & XD, 6 PRESSURE RELATED, and 5 FULL IS
		<b>TOTAL</b>		<b>1,940.0</b>				
2014 - 2015	MONDAY	JANUARY 5		646.9	23	33	16	PARTIAL IS, IL, & XD and 1 FULL IS
	TUESDAY	JANUARY 6		668.3	16	21	11	PARTIAL IS, IL, & XD, 2 PRESSURE RELATED, and 10 FULL IS
	WEDNESDAY	JANUARY 7		659.2	12	21	6	PARTIAL IS, IL, & XD, 10 PRESSURE RELATED, and 23 FULL IS
		<b>TOTAL</b>		<b>1,974.4</b>				



		UGI UTILITIES 3 DAY CONSECUTIVE PEAK ESTIMATED SENDOUT BY RATE CLASS														
		2010-2011			2011-2012			2012-2013			2013-2014			2014-2015		
		JAN 22	JAN 23	JAN 24	JAN 3	JAN 4	JAN 5	FEB 19	FEB 20	FEB 21	MAR 3	MAR 4	MAR 5	JAN 5	JAN 6	JAN 7
		(MDTH)	(MDTH)	(MDTH)	(MDTH)	(MDTH)	(MDTH)	(MDTH)	(MDTH)	(MDTH)	(MDTH)	(MDTH)	(MDTH)	(MDTH)	(MDTH)	(MDTH)
RG		3.5	3.6	3.4	3.5	3.3	2.9	3.0	4.0	3.6	4.9	4.0	2.1	2.7	3.0	3.8
RH		178.4	186.0	176.1	163.2	154.0	135.5	135.2	175.8	158.9	238.5	196.7	100.4	167.8	192.2	239.1
CG		2.5	2.6	2.5	2.4	2.3	2.0	2.0	2.6	2.3	4.1	3.4	1.7	2.2	2.5	3.1
CH		67.9	70.4	66.7	61.5	58.1	51.1	48.8	63.4	57.3	90.5	74.6	38.1	70.9	81.2	101.0
IG		0.4	0.4	0.3	0.8	0.7	0.6	0.2	0.2	0.2	0.3	0.3	0.1	0.2	0.2	0.3
IH		5.6	5.9	5.5	5.1	4.8	4.3	4.4	5.7	5.1	6.4	5.3	2.7	5.2	6.0	7.4
PGC FIRM		259.3	268.8	254.5	236.6	223.3	196.5	193.5	251.7	227.5	344.7	284.3	145.1	248.9	285.2	354.7
RT (CHOICE)		8.5	6.8	8.6	10.8	10.9	11.0	17.3	17.2	17.0	22.2	21.9	21.6	22.6	23.0	23.4
NT (CHOICE)		53.4	55.4	54.0	39.2	39.7	40.1	45.7	45.3	44.8	46.1	45.4	44.8	44.5	45.3	46.1
BD/BDL		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DS		25.7	26.7	25.2	23.0	21.8	19.1	26.3	34.2	30.9	53.4	44.0	22.5	30.9	35.4	44.0
LFD		33.4	34.6	32.8	39.6	37.4	32.9	38.5	42.1	40.1	50.9	49.0	47.2	50.7	53.7	58.4
XD-F/CDS-F		37.0	38.4	36.4	40.9	38.8	33.9	34.6	35.7	36.1	38.8	37.9	37.8	50.0	49.7	51.1
FIRM TRANSPORTATION		158.1	163.9	157.0	153.5	148.3	137.0	162.4	174.6	168.9	211.4	198.2	173.9	198.7	207.0	221.0
INTERRUPTIBLE		72.0	87.0	83.2	220.9	225.9	222.0	199.9	207.6	202.6	119.8	157.2	305.4	199.2	176.1	83.5
TOTAL		489.3	519.7	504.7	611.0	597.4	555.4	555.8	633.9	589.0	675.9	639.7	624.4	646.9	668.3	659.2

UGI UTILITIES, INC. - GAS DIVISION  
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SECTION 12 [Pa. Code ̳53.64(i)(1)] PGC REVENUE/EXPENSE

Thirty days prior to the filing of a tariff reflecting increases or decreases in purchased gas expenses, gas utilities under 66 Pa. C.S. ̳1307(f) recovering expenses under that section must file a statement for the 12-month period ending 2 months prior to the filing date under 66 Pa. C.S. ̳1307(f) as published in accordance with subsection (b) which shall specify:

- (i) The total revenues received under 66 Pa. C.S. ̳1307 (a), (b), or (f) including all fuel revenues received, whether shown on the bill as 66 Pa. C.S. ̳1307 (a), (b), or (f) charges or rolled in as base rates.
- (ii) The total purchased gas expenses incurred.
- (iii) The difference between the amounts in subparagraph (i) and (ii).
- (iv) Evidence explaining how actual costs incurred differ from the costs allowed under subparagraph (ii).
- (v) How these costs are consistent with a least cost procurement policy as required by 66 Pa. C.S. ̳1318 (relating to determination of just and reasonable natural gas rates).

RESPONSE:

- (i) Please refer to Attachment 12-1.
- (ii) Please refer to Attachment 12-1.
- (iii) Please refer to Attachment 12-1.
- (iv) For the historic year ending March 31, 2015, purchased gas costs are lower than purchased gas revenues by \$6.5MM. This overcollection is primarily attributable to the lower cost of purchased gas incurred as compared to PGC revenue received.
- (v) For the explanation of consistency with least cost procurement policy, see Sections 3, 5, and 13.

ATTACHMENT 12-1

UGI UTILITIES, INC. - GAS DIVISION  
PGC: REVENUE; EXPENSE; OVERCOLLECTION  
HISTORIC YEAR ENDING MARCH 31, 2015

2013 -- 2014	REVENUE \$	COST \$	(UNDER)/OVER COLLECTION \$
APRIL	\$ 18,238,570	\$ 11,858,050	\$ 6,380,520
MAY	\$ 8,325,443	\$ 7,093,546	\$ 1,231,897
JUNE	\$ 4,056,749	\$ 4,730,950	\$ (674,201)
JULY	\$ 3,348,160	\$ 5,633,156	\$ (2,284,996)
AUGUST	\$ 3,256,055	\$ 5,015,913	\$ (1,759,858)
SEPTEMBER	\$ 3,353,939	\$ 5,316,853	\$ (1,962,914)
OCTOBER	\$ 4,636,788	\$ 6,039,072	\$ (1,402,284)
NOVEMBER	\$ 12,329,203	\$ 23,845,260	\$ (11,516,057)
DECEMBER	\$ 26,316,864	\$ 25,927,997	\$ 388,867
JANUARY	\$ 32,136,146	\$ 31,057,321	\$ 1,078,825
FEBRUARY	\$ 35,584,214	\$ 31,161,186	\$ 4,423,028
MARCH	\$ 33,309,056	\$ 20,692,520	\$ 12,616,536
	<u>\$ 184,891,187</u>	<u>\$ 178,371,824</u>	<u>\$ 6,519,363</u>

UGI UTILITIES, INC. - GAS DIVISION  
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SECTION 13 [52 Pa. Code §53.65] AFFILIATED PURCHASES

Special provisions relating to natural gas distributors with gross intrastate annual operating revenues in excess of \$40 million with affiliated interests.

Whenever a gas utility under 66 Pa.C.S. §1307(f) (relating to sliding scale of rates; adjustments) purchases gas, transportation or storage from an affiliated interest, as defined at 66 Pa.C.S. §2101 (relating to definitions of affiliated interest), it shall, in addition to the normal submission expected of a gas utility under 66 Pa.C.S. §1307(f) file evidence to meet its burden under 66 Pa.C.S. §1317(b) (relating to regulation of natural gas costs). The evidence, to be filed 60 days prior to the filing of a tariff under 66 Pa.C.S. §1307(f) shall include, but not be limited to, statements regarding:

- (1) The costs of the affiliated gas, transportation or storage as compared to the average market price of other pipeline gas, transportation or storage and the price of other sources of gas, transportation or storage.
- (2) Estimates of the quantity of gas, transportation or storage available to the utility from all sources.
- (3) Efforts made by the utility to obtain gas, transportation or storage from non-affiliated interests.
- (4) The specific reasons why the utility has purchased gas, transportation or storage from an affiliated interest and demonstration that the purchases are consistent with a least cost fuel procurement policy.
- (5) The sources and amounts of gas, transportation or storage which have been withheld from the market by utility or affiliated interest and the reasons why the gas, transportation or storage has been withheld.
- (6) To the extent that the information required in this section has been submitted under §53.64 (relating to filing requirements for natural gas distributors with gross intrastate annual operating revenues in excess of \$40 million) the utility need only designate information which applies to affiliated interests.

RESPONSE

Attachment 13-1 provides the quantities and price of natural gas purchased from UGI Penn Natural Gas, UGI Central Penn Gas, and UGI Energy Services during the 12-month period ending March 31, 2015. All purchase points listed as "Storage Refill" relate to storage gas purchased pursuant to

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UGI's Storage Contract Administration Agreement with UGI Energy Services.

UGI also has firm delivered supply and peaking contracts with UGI Energy Services which are shown on Attachment 1-A-1 on the line items labeled "UGIES FIRM DELIVERED SUPPLY" and "UGIES PEAKING SERVICE DEMAND" as well as on Attachments 1-B-1 and 1-B-2 on the line items labeled "UGI ES Delivered Supply", "Transco Delivered Supply", and "UGI ES Peak SVC". Effective November 1, 2015, UGI will have a delivered supply contract with UGI Penn Natural Gas, which is shown on Attachments 1-B-1 and 1-B-2 on the line labeled "Transco Delivered Supply".

Additionally, UGI has transportation service with UGI Central Penn Gas which is shown on Attachment 1-A-1 on the line item labeled "UGI CENTRAL PENN GAS" and on Attachments 1-B-1 and 1-B-2 on the line item labeled "UGI Central Penn Gas".

LP-Beyond the Main

UGI has a contract with AmeriGas for propane delivery service including use of tanks and necessary hardware to supply UGI's customers located beyond UGI's gas mains. Data for the line items labeled "LP-BEYOND THE MAIN" is located on Attachment 1-A-1, and the volume of 57,500 dth, represents approximately 0.2% of the total PGC supply of 33,807,533 dth. Prospectively these volumes and costs are located on Attachments 1-B-1 and 1-B-2 on the line item labeled "Gas Beyond M". UGI has priced these supplies at current market levels. Recovery of the costs and pricing to these Gas Beyond the Mains ("GBM") customers are in accordance with the Commission's order at Docket No. R-2010-2105911.

<u>AFFILIATE SUPPLIER</u>	<u>PURCHASE POINT</u>	<u>START DATE</u>	<u>END DATE</u>	<u>PURCHASE VOLUME (DTH)</u>	<u>PURCHASE PRICE (\$/DTH)</u>
<b>April-14</b>					
UGI Energy Services	Transco Z6NonNY	1-Apr-14	1-Apr-14	7,388	\$4.4900
UGI Energy Services	Transco Z6NonNY	1-Apr-14	30-Apr-14	300,000	\$4.4088
UGI Energy Services	Transco Zone 4	2-Apr-14	2-Apr-14	9,100	\$4.3700
UGI Energy Services	Storage Refill	1-Apr-14	30-Apr-14	751,493	\$4.5990
<b>May-14</b>					
UGI Energy Services	Tetco Zone M3	1-May-14	31-May-14	124,000	\$4.0662
UGI Energy Services	Transco Z6NonNY	1-May-14	31-May-14	186,000	\$4.0662
UGI Energy Services	Columbia A06 Pool	3-May-14	5-May-14	29,763	\$4.5200
UGI Energy Services	Columbia A06 Pool	6-May-14	6-May-14	6,131	\$4.5450
UGI Energy Services	Storage Refill	1-May-14	31-May-14	751,493	\$4.8172
<b>June-14</b>					
UGI Central Penn	Tennessee Z4 Delivered	5-Jun-14	5-Jun-14	800	\$3.3500
UGI Central Penn	Tennessee Z4 Delivered	6-Jun-14	6-Jun-14	1,000	\$3.3000
UGI Central Penn	Tennessee Z4 Delivered	10-Jun-14	10-Jun-14	1,300	\$3.2500
UGI Central Penn	Tennessee Z4 Delivered	11-Jun-14	11-Jun-14	1,341	\$3.1000
UGI Energy Services	Storage Refill	1-Jun-14	30-Jun-14	751,493	\$4.6352
<b>July-14</b>					
UGI Central Penn	Egan Storage	4-Jul-14	7-Jul-14	10,856	\$4.2384
UGI Energy Services	Storage Refill	1-Jul-14	31-Jul-14	751,493	\$4.4088
UGI Penn Natural	Egan Storage	4-Jul-14	7-Jul-14	36,072	\$4.2384
UGI Penn Natural	Egan Storage	12-Jul-14	14-Jul-14	27,225	\$4.0624
<b>August-14</b>					
UGI Penn Natural	Egan Storage	22-Aug	22-Aug	9,288	\$3.8982
UGI Energy Services	Storage Refill	1-Aug	31-Aug	751,493	\$3.7966
<b>September-14</b>					
UGI Central Penn	Columbia Delivered	3-Sep-14	3-Sep-14	3,986	\$2.8600
UGI Central Penn	Egan Storage	6-Sep-14	8-Sep-14	8,271	\$3.8052
UGI Central Penn	Columbia Delivered	9-Sep-14	9-Sep-14	3,985	\$2.4700
UGI Central Penn	Columbia Delivered	9-Sep-14	9-Sep-14	4,600	\$2.5250
UGI Central Penn	Columbia Delivered	10-Sep-14	10-Sep-14	8,610	\$2.8300
UGI Central Penn	Columbia Delivered	11-Sep-14	11-Sep-14	3,985	\$3.0150
UGI Central Penn	Egan Storage	13-Sep-14	15-Sep-14	8,271	\$3.7851
UGI Central Penn	Egan Storage	25-Sep-14	25-Sep-14	2,757	\$3.8404
UGI Central Penn	Columbia Delivered	30-Sep-14	30-Sep-14	3,985	\$1.9350
UGI Energy Services	Tetco Zone M3	1-Sep-14	30-Sep-14	75,000	\$1.7949
UGI Energy Services	Storage Refill	1-Sep-14	30-Sep-14	751,493	\$3.9507
UGI Penn Natural	Egan Storage	6-Sep-14	8-Sep-14	27,864	\$3.8052
UGI Penn Natural	Egan Storage	13-Sep-14	15-Sep-14	27,864	\$3.7750
UGI Penn Natural	Egan Storage	25-Sep-14	25-Sep-14	9,288	\$3.8404

<b>AFFILIATE</b>	<b>SUPPLIER</b>	<b>PURCHASE POINT</b>	<b>START DATE</b>	<b>END DATE</b>	<b>PURCHASE VOLUME (DTH)</b>	<b>PURCHASE PRICE (\$/DTH)</b>
<b>October-14</b>						
UGI Central Penn	Egan Storage		4-Oct-14	6-Oct-14	8,529	\$3.8758
UGI Central Penn	Egan Storage		7-Oct-14	7-Oct-14	2,843	\$3.8657
UGI Central Penn	Columbia Delivered		7-Oct-14	7-Oct-14	4,138	\$1.8400
UGI Central Penn	Columbia Delivered		8-Oct-14	8-Oct-14	9,138	\$1.8000
UGI Central Penn	Egan Storage		11-Oct-14	13-Oct-14	8,529	\$3.8003
UGI Central Penn	Columbia Delivered		25-Oct-14	27-Oct-14	3,414	\$1.8200
UGI Central Penn	Columbia Delivered		25-Oct-14	27-Oct-14	6,600	\$1.8700
UGI Central Penn	Columbia Delivered		29-Oct-14	29-Oct-14	4,138	\$2.0400
UGI Central Penn	Columbia Delivered		29-Oct-14	29-Oct-14	2,555	\$2.0550
UGI Energy Services	Transco Z6NonNY		1-Oct-14	31-Oct-14	310,000	\$2.1481
UGI Energy Services	Storage Refill		1-Oct-14	31-Oct-14	751,493	\$3.9789
UGI Penn Natural	Egan Storage		4-Oct-14	6-Oct-14	27,864	\$3.8758
UGI Penn Natural	Egan Storage		7-Oct-14	7-Oct-14	9,288	\$3.8657
UGI Penn Natural	Egan Storage		11-Oct-14	13-Oct-14	27,864	\$3.8003
<b>November-14</b>						
UGI Energy Services	Transco Z6NonNY		1-Nov-14	30-Nov-14	300,000	\$2.2415
UGI Energy Services	Columbia Delivered		19-Nov-14	19-Nov-14	8,526	\$5.5000
UGI Energy Services	Columbia Delivered		20-Nov-14	20-Nov-14	1,377	\$4.4250
UGI Energy Services	Columbia Delivered		21-Nov-14	21-Nov-14	2,542	\$4.5950
<b>December-14</b>						
UGI Energy Services	Transco Z6NonNY		1-Dec-14	31-Dec-14	310,000	\$3.4501
UGI Energy Services	Columbia Delivered		11-Dec-14	11-Dec-14	12,730	\$4.2800
UGI Energy Services	Columbia Delivered		12-Dec-14	12-Dec-14	12,730	\$3.7350
UGI Energy Services	Columbia Delivered		13-Dec-14	15-Dec-14	6,000	\$3.6000
UGI Energy Services	Tetco Zone M3		20-Dec-14	22-Dec-14	33,000	\$2.2850
UGI Energy Services	Tetco Zone M3		23-Dec-14	23-Dec-14	18,435	\$1.4550
UGI Energy Services	Tetco Zone M3		25-Dec-14	29-Dec-14	92,175	\$1.2250
UGI Energy Services	Tetco Zone M3		30-Dec-14	30-Dec-14	18,435	\$2.3850
UGI Penn Natural	Columbia Delivered		31-Dec-14	31-Dec-14	4,719	\$2.2100
<b>January-15</b>						
UGI Central Penn	Columbia Delivered		3-Jan-15	5-Jan-15	6,243	\$1.7500
UGI Central Penn	Tetco Zone M3		6-Jan-15	6-Jan-15	5,000	\$1.8152
UGI Central Penn	Tetco Zone M3		7-Jan-15	7-Jan-15	3,000	\$2.0480
UGI Central Penn	Transco Z6NonNY		8-Jan-15	8-Jan-15	5,500	\$11.8500
UGI Central Penn	Tetco Zone M3		8-Jan-15	8-Jan-15	9,000	\$2.4256
UGI Central Penn	Transco Z6NonNY		9-Jan-15	9-Jan-15	8,500	\$8.0000
UGI Central Penn	Tetco Zone M3		9-Jan-15	9-Jan-15	9,204	\$2.7972
UGI Central Penn	Transco Z6NonNY		10-Jan-15	12-Jan-15	23,814	\$4.5000
UGI Central Penn	Transco Z6NonNY		13-Jan-15	13-Jan-15	9,900	\$5.0500
UGI Central Penn	Transco Z6NonNY		14-Jan-15	14-Jan-15	9,940	\$3.2000
UGI Central Penn	Transco Z6NonNY		15-Jan-15	15-Jan-15	9,940	\$4.0000
UGI Central Penn	Transco Z6NonNY		17-Jan-15	20-Jan-15	39,760	\$3.2500
UGI Central Penn	Columbia Delivered		21-Jan-15	21-Jan-15	2,155	\$3.0500

<b>AFFILIATE SUPPLIER</b>	<b>PURCHASE POINT</b>	<b>START DATE</b>	<b>END DATE</b>	<b>PURCHASE VOLUME (DTH)</b>	<b>PURCHASE PRICE (\$/DTH)</b>
UGI Central Penn	Columbia Delivered	22-Jan-15	22-Jan-15	2,155	\$3.1000
UGI Central Penn	Columbia Delivered	23-Jan-15	23-Jan-15	2,155	\$2.9300
UGI Central Penn	Transco Z6NonNY	23-Jan-15	23-Jan-15	8,869	\$3.2500
UGI Central Penn	Transco Z6NonNY	27-Jan-15	27-Jan-15	7,505	\$7.0000
UGI Central Penn	Transco Z6NonNY	28-Jan-15	28-Jan-15	6,505	\$7.5000
UGI Central Penn	Transco Z6NonNY	29-Jan-15	29-Jan-15	9,940	\$3.5000
UGI Energy Services	Transco Z6NonNY	1-Jan-15	31-Jan-15	310,000	\$2.1942
UGI Energy Services	Tetco Zone M3	1-Jan-15	31-Jan-15	28	\$3.7082
UGI Energy Services	Tetco Zone M3	1-Jan-15	2-Jan-15	36,646	\$1.8200
UGI Energy Services	Tetco Zone M3	3-Jan-15	5-Jan-15	55,302	\$1.9650
UGI Energy Services	Columbia Delivered	5-Jan-15	5-Jan-15	20,370	\$4.5000
UGI Energy Services	Columbia Delivered	6-Jan-15	6-Jan-15	13,879	\$5.8500
UGI Energy Services	Columbia Delivered	6-Jan-15	6-Jan-15	26,000	\$5.8500
UGI Energy Services	Tetco Zone M3	6-Jan-15	6-Jan-15	20,458	\$8.7580
UGI Energy Services	Transco Z6NonNY	7-Jan-15	31-Jan-15	63,000	\$3.0095
UGI Energy Services	Columbia Delivered	7-Jan-15	7-Jan-15	34,042	\$12.8000
UGI Energy Services	Columbia Delivered	7-Jan-15	7-Jan-15	31,249	\$11.0000
UGI Energy Services	Tetco Zone M3	7-Jan-15	7-Jan-15	40,916	\$12.6700
UGI Energy Services	Tetco Zone M3	7-Jan-15	7-Jan-15	2,046	\$12.6700
UGI Energy Services	Tetco Zone M3	7-Jan-15	7-Jan-15	7,884	\$13.6500
UGI Energy Services	Tetco Zone M3	7-Jan-15	7-Jan-15	1,432	\$15.1100
UGI Energy Services	Columbia Delivered	7-Jan-15	7-Jan-15	32,531	\$12.8000
UGI Energy Services	Tetco Zone M3	8-Jan-15	8-Jan-15	10,229	\$11.5000
UGI Energy Services	Columbia Delivered	8-Jan-15	8-Jan-15	8,374	\$10.9250
UGI Energy Services	Columbia Delivered	8-Jan-15	8-Jan-15	87,928	\$10.0000
UGI Energy Services	Columbia Delivered	8-Jan-15	8-Jan-15	9,848	\$13.0000
UGI Energy Services	Columbia Delivered	9-Jan-15	9-Jan-15	5,374	\$6.5600
UGI Energy Services	Columbia Delivered	9-Jan-15	9-Jan-15	50,757	\$6.5600
UGI Energy Services	Columbia Delivered	9-Jan-15	9-Jan-15	60,956	\$6.5600
UGI Energy Services	Columbia Delivered	10-Jan-15	12-Jan-15	3,000	\$5.4200
UGI Energy Services	Columbia Delivered	10-Jan-15	12-Jan-15	11,817	\$5.4200
UGI Energy Services	Columbia Delivered	10-Jan-15	12-Jan-15	113,413	\$5.4200
UGI Energy Services	Columbia Delivered	13-Jan-15	13-Jan-15	8,939	\$4.3500
UGI Energy Services	Columbia Delivered	14-Jan-15	14-Jan-15	3,939	\$4.1750
UGI Energy Services	Columbia Delivered	14-Jan-15	14-Jan-15	21,557	\$4.1750
UGI Energy Services	Columbia Delivered	15-Jan-15	15-Jan-15	3,939	\$3.9250
UGI Energy Services	Columbia Delivered	15-Jan-15	15-Jan-15	16,222	\$3.9250
UGI Energy Services	Columbia Delivered	16-Jan-15	16-Jan-15	20,100	\$5.1600
UGI Energy Services	Columbia Delivered	16-Jan-15	16-Jan-15	18,553	\$5.1600
UGI Energy Services	Columbia Delivered	16-Jan-15	16-Jan-15	3,939	\$5.1600
UGI Energy Services	Columbia Delivered	17-Jan-15	20-Jan-15	15,756	\$3.4600
UGI Energy Services	Columbia Delivered	17-Jan-15	20-Jan-15	128,000	\$3.4600
UGI Energy Services	Columbia Delivered	17-Jan-15	20-Jan-15	80,265	\$3.4600
UGI Energy Services	Columbia Delivered	21-Jan-15	21-Jan-15	3,939	\$3.1250
UGI Energy Services	Columbia Delivered	21-Jan-15	21-Jan-15	35,000	\$3.1250
UGI Energy Services	Columbia Delivered	21-Jan-15	21-Jan-15	930	\$3.1250
UGI Energy Services	Columbia Delivered	22-Jan-15	22-Jan-15	3,937	\$2.7800
UGI Energy Services	Columbia Delivered	22-Jan-15	22-Jan-15	45,000	\$2.7800



<u>AFFILIATE SUPPLIER</u>	<u>PURCHASE POINT</u>	<u>START DATE</u>	<u>END DATE</u>	<u>PURCHASE VOLUME (DTH)</u>	<u>PURCHASE PRICE (\$/DTH)</u>
UGI Energy Services	Columbia Delivered	23-Jan-15	23-Jan-15	3,939	\$2.8050
UGI Energy Services	Columbia Delivered	23-Jan-15	23-Jan-15	30,000	\$2.8050
UGI Energy Services	Columbia Delivered	23-Jan-15	23-Jan-15	12,541	\$2.8050
UGI Energy Services	Columbia Delivered	24-Jan-15	26-Jan-15	24,474	\$4.5450
UGI Energy Services	Columbia Delivered	24-Jan-15	26-Jan-15	49,800	\$4.5450
UGI Energy Services	Columbia Delivered	26-Jan-15	26-Jan-15	1,800	\$4.5450
UGI Energy Services	Columbia Delivered	26-Jan-15	26-Jan-15	20,970	\$4.5450
UGI Energy Services	Columbia Delivered	27-Jan-15	27-Jan-15	6,374	\$7.3000
UGI Energy Services	Columbia Delivered	27-Jan-15	27-Jan-15	76,000	\$7.3000
UGI Energy Services	Columbia Delivered	27-Jan-15	27-Jan-15	638	\$7.3000
UGI Energy Services	Columbia Delivered	28-Jan-15	28-Jan-15	15,873	\$6.0300
UGI Energy Services	Columbia Delivered	28-Jan-15	28-Jan-15	46,840	\$6.0300
UGI Energy Services	Columbia Delivered	28-Jan-15	28-Jan-15	79	\$6.0300
UGI Energy Services	Columbia Delivered	29-Jan-15	29-Jan-15	3,939	\$3.6950
UGI Energy Services	Columbia Delivered	29-Jan-15	29-Jan-15	40,000	\$3.6950
UGI Energy Services	Columbia Delivered	30-Jan-15	31-Jan-15	18,316	\$4.8450
UGI Energy Services	Columbia Delivered	30-Jan-15	31-Jan-15	40,000	\$4.8450
UGI Penn Natural	Columbia Delivered	3-Jan-15	5-Jan-15	14,157	\$1.7500
UGI Penn Natural	Transco Z6NonNY	8-Jan-15	8-Jan-15	2,000	\$11.8500
UGI Penn Natural	Transco Z6NonNY	9-Jan-15	9-Jan-15	3,001	\$8.0000
UGI Penn Natural	Transco Z6NonNY	10-Jan-15	12-Jan-15	37,896	\$4.5000
UGI Penn Natural	Transco Z6NonNY	14-Jan-15	14-Jan-15	12,632	\$3.2000
UGI Penn Natural	Transco Z6NonNY	15-Jan-15	15-Jan-15	12,632	\$4.0000
UGI Penn Natural	Transco Z6NonNY	17-Jan-15	20-Jan-15	50,528	\$3.2500
UGI Penn Natural	Columbia Delivered	17-Jan-15	20-Jan-15	17,676	\$3.0500
UGI Penn Natural	Columbia Delivered	21-Jan-15	21-Jan-15	4,719	\$3.0500
UGI Penn Natural	Transco Z6NonNY	21-Jan-15	21-Jan-15	10,000	\$3.2000
UGI Penn Natural	Columbia Delivered	22-Jan-15	22-Jan-15	4,719	\$3.1000
UGI Penn Natural	Columbia Delivered	23-Jan-15	23-Jan-15	4,719	\$2.9300
UGI Penn Natural	Transco Z6NonNY	23-Jan-15	23-Jan-15	12,632	\$3.2500
UGI Penn Natural	Transco Z6NonNY	27-Jan-15	27-Jan-15	12,632	\$7.0000
UGI Penn Natural	Transco Z6NonNY	28-Jan-15	28-Jan-15	12,632	\$7.5000
UGI Penn Natural	Transco Z6NonNY	29-Jan-15	29-Jan-15	12,632	\$3.5000
UGI Penn Natural	Columbia Delivered	29-Jan-15	29-Jan-15	4,019	\$3.5000
<b>February-15</b>					
UGI Central Penn	Tetco Zone M3	2-Feb-15	2-Feb-15	8,068	\$2.6687
UGI Central Penn	Transco Z6NonNY	3-Feb-15	3-Feb-15	9,476	\$5.0000
UGI Central Penn	Columbia Delivered	3-Feb-15	3-Feb-15	2,140	\$3.7500
UGI Central Penn	Tetco Zone M3	3-Feb-15	3-Feb-15	3,000	\$2.5891
UGI Central Penn	Columbia Delivered	4-Feb-15	4-Feb-15	2,140	\$3.0500
UGI Central Penn	Transco Z6NonNY	4-Feb-15	4-Feb-15	10,911	\$3.1000
UGI Central Penn	Tetco Zone M3	5-Feb-15	5-Feb-15	7,000	\$2.7961
UGI Central Penn	Transco Z6NonNY	6-Feb-15	6-Feb-15	10,911	\$4.2000
UGI Central Penn	Columbia Delivered	7-Feb-15	9-Feb-15	12,420	\$2.3200
UGI Central Penn	Columbia Delivered	10-Feb-15	10-Feb-15	4,140	\$3.0500
UGI Central Penn	Transco Z6NonNY	10-Feb-15	10-Feb-15	5,750	\$2.9000
UGI Central Penn	Columbia Delivered	11-Feb-15	11-Feb-15	4,140	\$3.1000

<b>AFFILIATE SUPPLIER</b>	<b>PURCHASE POINT</b>	<b>START DATE</b>	<b>END DATE</b>	<b>PURCHASE VOLUME (DTH)</b>	<b>PURCHASE PRICE (\$/DTH)</b>
UGI Central Penn	Transco Z6NonNY	11-Feb-15	11-Feb-15	10,911	\$3.4000
UGI Central Penn	Tetco Zone M3	12-Feb-15	12-Feb-15	3,069	\$3.0632
UGI Central Penn	Tetco Zone M3	13-Feb-15	13-Feb-15	7,160	\$3.0735
UGI Central Penn	Tetco Zone M3	14-Feb-15	14-Feb-15	8,183	\$2.8815
UGI Central Penn	Tetco Zone M3	15-Feb-15	15-Feb-15	5,115	\$2.8815
UGI Central Penn	Tetco Zone M3	15-Feb-15	15-Feb-15	5,115	\$2.8815
UGI Central Penn	Tetco Zone M3	16-Feb-15	16-Feb-15	8,183	\$2.8815
UGI Central Penn	Tetco Zone M3	17-Feb-15	17-Feb-15	8,183	\$2.8815
UGI Central Penn	Tetco Zone M3	19-Feb-15	19-Feb-15	2,046	\$3.4108
UGI Central Penn	Tetco Zone M3	23-Feb-15	23-Feb-15	2,046	\$3.1410
UGI Central Penn	Tetco Zone M3	26-Feb-15	26-Feb-15	3,069	\$3.3849
UGI Central Penn	Tetco Zone M3	27-Feb-15	27-Feb-15	3,069	\$3.0220
UGI Central Penn	Tetco Zone M3	28-Feb-15	28-Feb-15	8,183	\$3.0220
UGI Central Penn	Tetco Zone M3	28-Feb-15	28-Feb-15	1,023	\$3.0220
UGI Energy Services	Transco Z6NonNY	1-Feb-15	28-Feb-15	280,000	\$2.1083
UGI Energy Services	Transco Z6NonNY	1-Feb-15	28-Feb-15	140,000	\$2.9632
UGI Energy Services	Columbia Delivered	1-Feb-15	28-Feb-15	413,308	\$4.8660
UGI Energy Services	Tetco Zone M3	1-Feb-15	28-Feb-15	55,506	\$3.3326
UGI Energy Services	Transco Z6NonNY	1-Feb-15	28-Feb-15	12,024	\$2.9170
UGI Energy Services	Transco Z6NonNY	1-Feb-15	28-Feb-15	38,790	\$2.9559
UGI Energy Services	Transco Z6NonNY	1-Feb-15	28-Feb-15	52,379	\$2.9032
UGI Energy Services	Columbia Delivered	1-Feb-15	2-Feb-15	70,770	\$7.7700
UGI Energy Services	Columbia Delivered	1-Feb-15	2-Feb-15	2,034	\$7.7700
UGI Energy Services	Columbia Delivered	3-Feb-15	3-Feb-15	4,971	\$4.2150
UGI Energy Services	Columbia Delivered	3-Feb-15	3-Feb-15	8,100	\$4.2150
UGI Energy Services	Columbia Delivered	4-Feb-15	4-Feb-15	40,000	\$3.2350
UGI Energy Services	Columbia Delivered	4-Feb-15	4-Feb-15	3,447	\$3.2350
UGI Energy Services	Columbia Delivered	5-Feb-15	5-Feb-15	27,409	\$6.1800
UGI Energy Services	Columbia Delivered	5-Feb-15	5-Feb-15	51,732	\$6.1800
UGI Energy Services	Columbia Delivered	6-Feb-15	6-Feb-15	3,447	\$4.0250
UGI Energy Services	Columbia Delivered	7-Feb-15	9-Feb-15	23,550	\$2.4300
UGI Energy Services	Columbia Delivered	7-Feb-15	9-Feb-15	10,341	\$2.4300
UGI Energy Services	Columbia Delivered	10-Feb-15	10-Feb-15	3,447	\$2.9850
UGI Energy Services	Columbia Delivered	10-Feb-15	10-Feb-15	24,154	\$3.7500
UGI Energy Services	Columbia Delivered	11-Feb-15	11-Feb-15	3,447	\$4.1300
UGI Energy Services	Columbia Delivered	12-Feb-15	12-Feb-15	62,460	\$8.3550
UGI Energy Services	Columbia Delivered	12-Feb-15	12-Feb-15	5,382	\$8.3550
UGI Energy Services	Columbia Delivered	12-Feb-15	12-Feb-15	24,550	\$8.3550
UGI Energy Services	Columbia Delivered	13-Feb-15	13-Feb-15	5,382	\$9.4250
UGI Energy Services	Columbia Delivered	13-Feb-15	13-Feb-15	33,157	\$9.4250
UGI Energy Services	Columbia Delivered	14-Feb-15	17-Feb-15	71,524	\$16.1250
UGI Energy Services	Columbia Delivered	14-Feb-15	17-Feb-15	19,228	\$12.6500
UGI Energy Services	Columbia Delivered	14-Feb-15	17-Feb-15	77,128	\$16.1250
UGI Energy Services	Columbia Delivered	15-Feb-15	15-Feb-15	691	\$2.9472
UGI Energy Services	Columbia Delivered	15-Feb-15	15-Feb-15	1,911	\$2.8664
UGI Energy Services	Columbia Delivered	18-Feb-15	18-Feb-15	7,382	\$20.5850
UGI Energy Services	Columbia Delivered	18-Feb-15	18-Feb-15	12,785	\$20.5850
UGI Energy Services	Columbia Delivered	19-Feb-15	19-Feb-15	15,881	\$21.0850

<u>AFFILIATE SUPPLIER</u>	<u>PURCHASE POINT</u>	<u>START DATE</u>	<u>END DATE</u>	<u>PURCHASE VOLUME (DTH)</u>	<u>PURCHASE PRICE (\$/DTH)</u>
UGI Energy Services	Tetco Zone M3	19-Feb-15	19-Feb-15	5,887	\$3.1854
UGI Energy Services	Columbia Delivered	20-Feb-15	20-Feb-15	15,881	\$17.0200
UGI Energy Services	Columbia Delivered	20-Feb-15	20-Feb-15	10,630	\$17.0200
UGI Energy Services	Columbia Delivered	21-Feb-15	23-Feb-15	35,838	\$12.3850
UGI Energy Services	Columbia Delivered	23-Feb-15	23-Feb-15	9,848	\$12.3850
UGI Energy Services	Columbia Delivered	23-Feb-15	23-Feb-15	11,512	\$12.3850
UGI Energy Services	Columbia Delivered	24-Feb-15	24-Feb-15	11,946	\$18.2850
UGI Energy Services	Columbia Delivered	24-Feb-15	24-Feb-15	15,343	\$18.2850
UGI Energy Services	Columbia Delivered	25-Feb-15	25-Feb-15	11,946	\$11.0450
UGI Energy Services	Columbia Delivered	25-Feb-15	25-Feb-15	2,027	\$11.0450
UGI Energy Services	Columbia Delivered	26-Feb-15	26-Feb-15	3,447	\$20.9600
UGI Energy Services	Columbia Delivered	26-Feb-15	26-Feb-15	5,477	\$20.9600
UGI Energy Services	Columbia Delivered	26-Feb-15	26-Feb-15	45,632	\$20.9600
UGI Energy Services	Columbia Delivered	27-Feb-15	28-Feb-15	12,894	\$13.6850
UGI Energy Services	Columbia Delivered	27-Feb-15	28-Feb-15	106,000	\$13.6850
UGI Penn Natural	Transco Z6NonNY	3-Feb-15	3-Feb-15	12,528	\$5.0000
UGI Penn Natural	Columbia Delivered	4-Feb-15	4-Feb-15	4,519	\$3.0500
UGI Penn Natural	Transco Z6NonNY	4-Feb-15	4-Feb-15	2,528	\$3.1000
UGI Penn Natural	Transco Z6NonNY	6-Feb-15	6-Feb-15	2,528	\$4.2000
UGI Penn Natural	Columbia Delivered	7-Feb-15	9-Feb-15	14,157	\$2.3200
UGI Penn Natural	Columbia Delivered	10-Feb-15	10-Feb-15	4,719	\$3.0500
UGI Penn Natural	Transco Z6NonNY	10-Feb-15	10-Feb-15	5,751	\$2.9000
UGI Penn Natural	Transco Z6NonNY	11-Feb-15	11-Feb-15	12,528	\$3.4000
UGI Penn Natural	Transco Z6NonNY	12-Feb-15	12-Feb-15	6,504	\$7.0000

**March-15**

UGI Central Penn	Tetco Zone M3	2-Mar-15	2-Mar-15	3,069	\$2.2172
UGI Central Penn	Tetco Zone M3	3-Mar-15	3-Mar-15	5,115	\$2.7310
UGI Central Penn	Columbia Delivered	4-Mar-15	4-Mar-15	2,600	\$3.0000
UGI Central Penn	Tetco Zone M3	5-Mar-15	5-Mar-15	2,557	\$3.4108
UGI Central Penn	Tetco Zone M3	6-Mar-15	6-Mar-15	5,115	\$3.2499
UGI Energy Services	Transco Z6NonNY	1-Mar-15	31-Mar-15	310,000	\$2.3366
UGI Energy Services	Transco Z6NonNY	1-Mar-15	31-Mar-15	91,000	\$3.0025
UGI Energy Services	Columbia Delivered	1-Mar-15	31-Mar-15	558,000	\$3.5940
UGI Energy Services	Columbia Delivered	1-Mar-15	2-Mar-15	5,514	\$2.7800
UGI Energy Services	Columbia Delivered	1-Mar-15	2-Mar-15	12,024	\$2.2800
UGI Energy Services	Columbia Delivered	1-Mar-15	2-Mar-15	37,976	\$2.2800
UGI Energy Services	Tetco Zone M3	1-Mar-15	2-Mar-15	10,000	\$2.2000
UGI Energy Services	Columbia Delivered	3-Mar-15	3-Mar-15	36,000	\$3.0900
UGI Energy Services	Columbia Delivered	3-Mar-15	3-Mar-15	2,757	\$3.0900
UGI Energy Services	Tetco Zone M3	3-Mar-15	3-Mar-15	6,012	\$2.3200
UGI Energy Services	Tetco Zone M3	3-Mar-15	3-Mar-15	7,769	\$2.3200
UGI Energy Services	Tetco Zone M3	3-Mar-15	3-Mar-15	6,219	\$2.3200
UGI Energy Services	Tetco Zone M3	3-Mar-15	3-Mar-15	10,000	\$2.3200
UGI Energy Services	Columbia Delivered	4-Mar-15	4-Mar-15	2,757	\$3.0200
UGI Energy Services	Columbia Delivered	4-Mar-15	4-Mar-15	19,000	\$3.0200
UGI Energy Services	Transco Z6NonNY	5-Mar-15	31-Mar-15	47,900	\$3.3651
UGI Energy Services	Columbia Delivered	5-Mar-15	5-Mar-15	7,701	\$9.5200

<b>AFFILIATE SUPPLIER</b>	<b>PURCHASE POINT</b>	<b>START DATE</b>	<b>END DATE</b>	<b>PURCHASE VOLUME (DTH)</b>	<b>PURCHASE PRICE (\$/DTH)</b>
UGI Energy Services	Columbia Delivered	5-Mar-15	5-Mar-15	18,500	\$9.5200
UGI Energy Services	Tetco Zone M3	5-Mar-15	5-Mar-15	14,934	\$3.5506
UGI Energy Services	Transco Z6NonNY	5-Mar-15	5-Mar-15	8,091	\$3.3587
UGI Energy Services	Columbia Delivered	6-Mar-15	6-Mar-15	6,201	\$12.6150
UGI Energy Services	Columbia Delivered	6-Mar-15	6-Mar-15	7,100	\$12.6150
UGI Energy Services	Tetco Zone M3	6-Mar-15	6-Mar-15	29,252	\$3.3865
UGI Energy Services	Transco Z6NonNY	6-Mar-15	6-Mar-15	1,000	\$3.3865
UGI Energy Services	Columbia Delivered	7-Mar-15	9-Mar-15	8,271	\$2.9050
UGI Energy Services	Columbia Delivered	7-Mar-15	7-Mar-15	10,229	\$2.9050
UGI Energy Services	Columbia Delivered	10-Mar-15	10-Mar-15	2,757	\$1.7600
UGI Energy Services	Columbia Delivered	11-Mar-15	11-Mar-15	2,757	\$1.5650
UGI Energy Services	Columbia Delivered	12-Mar-15	12-Mar-15	2,757	\$1.8350
UGI Energy Services	Columbia Delivered	13-Mar-15	13-Mar-15	2,757	\$1.8050
UGI Energy Services	Columbia Delivered	14-Mar-15	16-Mar-15	8,271	\$1.6350
UGI Energy Services	Columbia Delivered	17-Mar-15	17-Mar-15	2,757	\$2.0100
UGI Energy Services	Columbia Delivered	18-Mar-15	18-Mar-15	2,757	\$2.5300
UGI Energy Services	Columbia Delivered	19-Mar-15	19-Mar-15	2,757	\$2.3350
UGI Energy Services	Columbia Delivered	20-Mar-15	20-Mar-15	2,757	\$2.3250
UGI Energy Services	Columbia Delivered	21-Mar-15	23-Mar-15	8,271	\$2.4800
UGI Energy Services	Tetco Zone M3	21-Mar-15	23-Mar-15	103,500	\$3.0319
UGI Energy Services	Tetco Zone M3	21-Mar-15	23-Mar-15	60,000	\$3.0319
UGI Energy Services	Columbia Delivered	21-Mar-15	23-Mar-15	60,000	\$3.0319
UGI Energy Services	Columbia Delivered	24-Mar-15	24-Mar-15	2,757	\$2.5350
UGI Energy Services	Columbia Delivered	24-Mar-15	24-Mar-15	34,500	\$2.8837
UGI Energy Services	Columbia Delivered	24-Mar-15	24-Mar-15	5,500	\$2.8837
UGI Energy Services	Tetco Zone M3	24-Mar-15	24-Mar-15	24,836	\$2.8837
UGI Energy Services	Tetco Zone M3	25-Mar-15	25-Mar-15	14,920	\$2.0000
UGI Energy Services	Columbia Delivered	25-Mar-15	25-Mar-15	2,757	\$2.0000
UGI Energy Services	Tetco Zone M3	26-Mar-15	26-Mar-15	18,000	\$1.7150
UGI Energy Services	Columbia Delivered	26-Mar-15	26-Mar-15	2,757	\$1.7150
UGI Energy Services	Columbia Delivered	27-Mar-15	27-Mar-15	2,757	\$2.3400
UGI Energy Services	Tetco Zone M3	27-Mar-15	27-Mar-15	18,435	\$2.3400
UGI Energy Services	Tetco Zone M3	28-Mar-15	30-Mar-15	55,305	\$2.2450
UGI Energy Services	Columbia Delivered	28-Mar-15	30-Mar-15	15,603	\$2.2450
UGI Energy Services	Tetco Zone M3	31-Mar-15	31-Mar-15	18,435	\$2.3500
UGI Energy Services	Columbia Delivered	31-Mar-15	31-Mar-15	2,757	\$2.3500

UGI UTILITIES, INC. - GAS DIVISION  
6/1/15 SECTION 1307(f) FILING

SECTION 14 [66 PA Code §13.17(3)]RELIABILITY PLANS

As part of its filing under section 1307(f) or if it is not required to make such a filing on an annual basis, a natural gas distribution company, as defined in section 2202 (relating to definitions), shall file a proposed reliability plan with the commission which shall, at a minimum, identify the following:

- (1) The projected peak day and seasonal requirements of the firm customers utilizing the distribution system of the natural gas distribution company during the 12-month projected period specified in section 1307(f) (1). Where operationally required, the design peak day requirements shall be specified for discrete segments of each natural gas distribution system.
- (2) The transportation capacity, storage, peaking or on system production that ensures deliverability of the natural gas supplies necessary to meet such projected period peak day and seasonal requirements.

RESPONSE:

**Peak Day Balances**

UGI's Design Firm Peak Day Requirements are presented in Section 11. Attachment 14-1 details the transportation, delivered supplies, storage and peaking to meet peak day requirements. Attachment 14-2 is a load duration curve for the upcoming winter which illustrates the firm design seasonal demand requirements and the corresponding transportation capacity, delivered supplies, storage and peaking needed to meet such requirements.

Seasonal requirements for the 12-month projected period, including transportation capacity, delivered supplies, storage and peaking, are presented in Attachments 1-B-1 and 1-B-2. These capacities correspond to the peak day capacities shown on Attachment 14-1.

The peak day capacities shown on Attachment 14-1 include those related to choice customers on the UGI system.

**UGI Utilities, Inc.**  
**Peak Day Capacity Requirements and Supply Options**  
**(Dth/D)**

<b>Supplier/Pipeline</b>	<b>Upstream Pipeline</b>	<b>Rate Schedule</b>	<b>2015-2016 (Projected)</b>
Columbia		SST / FSS	114,649
Columbia		FTS/FTS-1	75,650
Columbia	ANR	FTS/FTS-1	28,020
Columbia	ANR	FTS/FSS	5,000
Columbia Release from UGI PNG			1,300
Texas Eastern		FT-1	83,475
Texas Eastern		CDS	66,000
Texas Eastern	ANR	FT-1/FSS	10,000
Texas Eastern	ANR	FT-1/FSS	31,713
Texas Eastern	ANR	CDS/FTS-1	10,000
Texas Eastern	Dominion	FTS-5/GSSII	6,667
Texas Eastern	Dominion	FTS-7/GSS	5,880
Transco		FT	14,153
Transco		FTF/FT	22,770
Transco		SS-2	7,245
Transco		GSS	1,744
Transco		PS-FT	1,346
Transco Sentinel Release			(7,000)
Transco from UGI PNG		Delivered Supply	7,000
UGI Energy Services		Delivered Supply	10,000
UGI Energy Services		Peaking Services	152,394
TBD		Delivered Supply	56,993
<b>Subtotal</b>			<b>704,999</b>
<b>Third Party Capacity - Large Customers</b>			<b>60,973</b>
<b>Total Firm Capacity</b>			<b>765,972</b>

PGC Requirements	476,682
CHOICE Requirements	123,932
<b>Subtotal</b>	<b>600,614</b>
<b>Firm Transportation Requirements</b>	<b>165,358</b>
<b>Total Requirements</b>	<b>765,972</b>

Load Duration Analysis

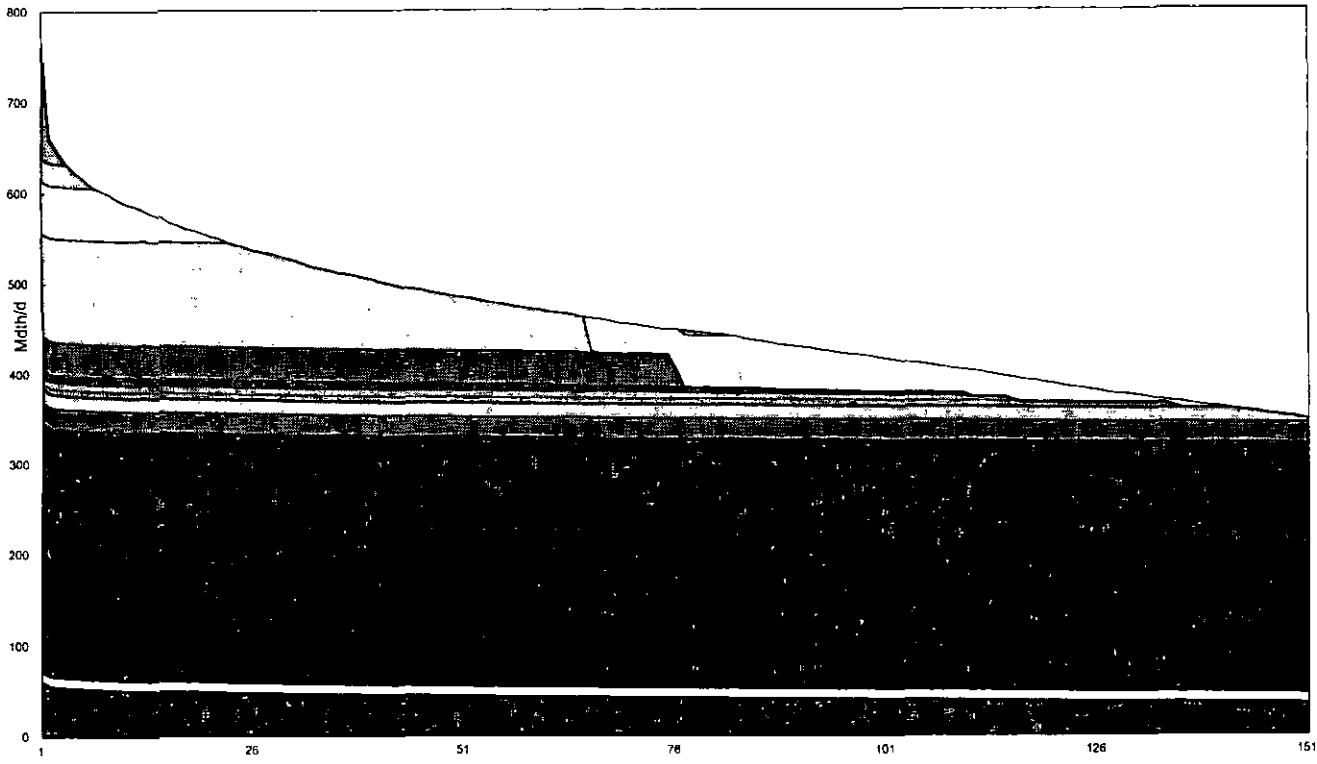
Firm Equation Under Design Conditions for the Winter of 2015-2018  
UGI Utilities, Inc.

HAZ	PRISM	Total Demand	3rd Party FT	UGIES Del. Supply	TETCO FT	Columbia FT	Tranaco FT	Trigon FT	Tranaco PS-FT	Dominion FT	Tranaco SS-2	Dominion FT	Tranaco GSS	ANR PSB	Columbia FES	Delivered Supply	Peaking I	Peaking II	Peaking III	
1	4.00	3.60	753.877	62.975	10.000	169.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	54.983	23.300	103.697	21.887
2	2.53	6.94	660.881	56.126	10.000	169.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	56.392	25.000	26.950	0.000
3	0.32	7.66	645.361	55.154	10.000	169.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	56.983	25.000	12.803	0.000
4	1.65	9.52	632.388	54.306	10.000	169.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	56.983	25.000	0.466	0.000
5	3.48	10.86	623.251	53.730	10.000	169.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	56.983	16.916	0.000	0.000
6	3.00	11.57	615.917	53.266	10.000	169.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	56.983	10.044	0.000	0.000
7	1.51	12.98	607.363	52.702	10.000	169.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	56.983	2.023	0.000	0.000
8	0.41	13.28	602.615	52.407	10.000	169.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	56.983	0.000	0.000	0.000
9	7.47	13.78	596.368	52.129	10.000	169.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	56.983	0.000	0.000	0.000
10	9.19	14.28	592.409	51.751	10.000	169.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	56.983	0.000	0.000	0.000
11	8.94	15.18	587.757	51.446	10.000	169.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	56.983	0.000	0.000	0.000
12	9.84	15.98	581.219	51.207	10.000	169.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	56.983	0.000	0.000	0.000
13	8.94	16.98	574.681	50.968	10.000	169.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	56.983	0.000	0.000	0.000
14	10.06	18.87	576.689	50.751	10.000	169.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	56.983	0.000	0.000	0.000
15	10.07	18.99	573.231	50.516	10.000	169.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	56.983	0.000	0.000	0.000
16	11.64	17.75	567.306	50.127	10.000	169.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	56.983	0.000	0.000	0.000
17	11.99	18.14	564.245	49.832	10.000	169.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	56.983	0.000	0.000	0.000
18	12.25	18.71	559.621	49.642	10.000	169.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	56.983	0.000	0.000	0.000
19	12.55	19.86	557.852	49.527	10.000	169.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	56.983	0.000	0.000	0.000
20	13.16	19.31	555.020	49.335	10.000	169.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	56.983	0.000	0.000	0.000
21	13.24	19.82	551.253	48.963	10.000	169.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	56.983	0.000	0.000	0.000
22	13.76	20.10	546.862	48.834	10.000	169.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	56.983	0.000	0.000	0.000
23	14.19	20.62	544.870	48.670	10.000	169.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	56.983	0.000	0.000	0.000
24	14.71	20.96	541.980	48.490	10.000	169.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	56.983	0.000	0.000	0.000
25	15.00	21.24	538.934	48.337	10.000	169.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	56.983	0.000	0.000	0.000
26	15.39	21.71	536.286	48.114	10.000	169.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	56.983	0.000	0.000	0.000
27	15.70	21.86	534.325	47.964	10.000	169.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	56.983	0.000	0.000	0.000
28	16.14	22.13	532.844	47.903	10.000	169.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	56.983	0.000	0.000	0.000
29	16.49	22.48	530.910	47.727	10.000	169.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	56.983	0.000	0.000	0.000
30	16.88	22.84	527.301	47.545	10.000	169.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	56.983	0.000	0.000	0.000
31	17.13	23.15	525.040	47.380	10.000	169.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	56.983	0.000	0.000	0.000
32	17.59	23.80	521.337	47.158	10.000	169.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	56.983	0.000	0.000	0.000
33	17.69	24.03	518.049	46.938	10.000	169.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	56.983	0.000	0.000	0.000
34	17.87	24.33	516.482	46.826	10.000	169.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	56.983	0.000	0.000	0.000
35	18.10	24.52	514.212	46.688	10.000	169.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	56.983	0.000	0.000	0.000
36	18.43	24.88	511.589	46.519	10.000	169.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	56.983	0.000	0.000	0.000
37	18.91	24.96	510.481	46.454	10.000	169.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	56.983	0.000	0.000	0.000
38	19.34	25.14	509.205	46.377	10.000	169.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	56.983	0.000	0.000	0.000
39	19.35	25.48	504.757	46.212	10.000	169.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	56.983	0.000	0.000	0.000
40	19.56	25.78	504.498	46.062	10.000	169.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	56.983	0.000	0.000	0.000
41	19.83	26.12	501.829	45.877	10.000	169.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	56.983	0.000	0.000	0.000
42	20.18	26.36	499.687	45.753	10.000	169.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	56.983	0.000	0.000	0.000
43	20.38	26.65	497.443	45.606	10.000	169.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	56.983	0.000	0.000	0.000
44	20.61	26.96	494.825	45.426	10.000	169.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	56.983	0.000	0.000	0.000
45	20.97	27.09	493.963	45.303	10.000	169.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	56.983	0.000	0.000	0.000
46	21.05	27.26	492.975	45.206	10.000	169.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	56.983	0.000	0.000	0.000
47	21.53	27.56	490.244	45.145	10.000	169.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	56.983	0.000	0.000	0.000
48	21.87	27.76	488.759	45.048	10.000	169.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	56.983	0.000	0.000	0.000
49	21.95	27.94	487.268	44.954	10.000	169.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	56.983	0.000	0.000	0.000
50	22.14	28.18	485.361	44.829	10.000	169.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	56.983	0.000	0.000	0.000
51	22.37	28.32	484.283	44.781	10.000	169.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	56.983	0.000	0.000	0.000
52	22.50	28.50	482.902	44.712	10.000	169.475	104.970	22.770	14.153	1.346	5.880	7.245	6.667	1.744	36.713	114.648	56.983	0.000	0.000	0.000
53	23.01	28.73	480.930	44.541	10.000	169.475	104.970	22.770	14.153	1.346	5.880									





UGI Utilities, Inc.  
 LOAD DURATION ANALYSIS  
 Firm Design Conditions for the Winter of 2015-2016



■ 3rd Cap	□ UGIES Del. Supply	■ Tetco FT	■ Col FT	■ Tran FTF	■ Tran FT
□ PSFT	■ FTS-7	■ Tran SS-2	■ FTS-5	■ Tran GSS	■ ANR FSS
■ Cal FSS	□ TBD Del. Supply	■ Peaking Svc. I	■ Peaking Svc. II	■ Peaking Svc. III	



UGI Utilities, Inc.  
2525 N. 12<sup>th</sup> Street  
Suite 360  
PO Box 12677  
Reading, PA 19612-2677

610-796-3400

Paul J. Szykman  
Vice President - Rates & Government Relations  
Vice President & General Manager - Electric Utilities

June 1, 2015

**VIA FEDERAL EXPRESS**

Ms. Rosemary Chiavetta, Secretary  
Pennsylvania Public Utility Commission  
Commonwealth Keystone Building  
400 North St.  
Harrisburg, PA 17120

**RE: Pennsylvania Public Utility Commission v. UGI Utilities, Inc.;**  
**Docket No. R-2015-2480950**

Dear Secretary Chiavetta:

On behalf of UGI Utilities, Inc. ("UGI"), please find enclosed for filing the annual Purchased Gas Cost tariff addendum, supporting information and prepared Direct Testimonies, filed pursuant to the provisions of 66 Pa. C.S. § 1307(f) and 52 Pa. Code § 53.64(a). Specifically, please find enclosed one (1) bound and one (1) unbound copy of this filing as well as a CD-Rom containing a scanned, Adobe PDF format of the filing.

The enclosed tariff has a proposed effective date of December 1, 2015, and is filed in the form of an addendum as prescribed by the Commission's regulations at 52 Pa. Code §53.64(e). The supporting documentation prescribed by the Commission's regulations at 52 Pa. Code §§ 53.64(c) and 53.65 was pre-filed with the Commission on May 1, 2015.

**Notice**

UGI began issuing customer notices of this filing by bill insert on May 15, 2015. This process is expected to be completed on June 15, 2015. In addition, copies of this document have been served upon the persons indicated on the attached Certificate of Service.

Inquiries concerning this tariff filing should be directed to me at the above address with copies to UGI's counsel, David B. MacGregor, Esquire, and Danielle Jouenne, Esquire, at the addresses shown below.

Ms. Rosemary Chiavetta, Secretary  
June 1, 2015  
Page 2

Very truly yours,



Paul J. Szykman

Enclosures: Supporting Information  
Extra Copy of Letter for Acknowledgment (Please time-stamp and return in the  
self-addressed, pre-paid postage envelope)

cc: Certificate of Service (As Indicated)

Counsel for Company :

Danielle Jouenne  
Associate Counsel, Energy & Regulation  
460 North Gulph Road  
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[dmacgregor@postschell.com](mailto:dmacgregor@postschell.com)

**CERTIFICATE OF SERVICE**

I hereby certify that I have, this 1<sup>st</sup> day of June, 2015, served a true and correct copy of the foregoing document in the manner and upon the persons listed below in accordance with requirements of 52 Pa. Code §1.54 (relating to service by a participant):


**VIA FEDERAL EXPRESS:**

Tanya J. McCloskey, Esquire  
Acting Consumer Advocate  
Office Of Consumer Advocate  
555 Walnut Street  
5<sup>th</sup> Floor, Forum Place  
Harrisburg, PA 17101-1921

Pamela C. Polacek, Esq.  
McNees, Wallace & Nurick  
100 Pine Street  
P.O. Box 1166  
Harrisburg, PA 17108-1166

Johnnie E. Simms  
Director and Chief Prosecutor  
Pennsylvania Public Utility Commission  
Bureau of Investigation and Enforcement  
Commonwealth Keystone Building  
400 North Street  
Harrisburg, PA 17120

John R. Evans  
Small Business Advocate  
Office of Small Business Advocate  
Suite 202, Commerce Building  
300 North Second Street  
Harrisburg, PA 17101

  
\_\_\_\_\_  
Paul J. Szykman

Dated: June 1, 2015

**UGI Utilities, Inc.**  
**1307(f) Annual Purchased Gas Cost Filing – 2015**  
**Docket No. R-2015-2480950**

**Table of Contents & Witness Index**

**Book 2 – Filed June 1, 2015**

**Supporting Schedules, Tariff Addenda and Direct Testimony Pursuant to § 53.64(a)**

	<u>Witness</u>
Schedule A (Pages 1-3) - Computation of Purchased Gas Cost Rate effective Dec. 1, 2015	W. J. McAllister
Schedule B (Pages 1-2) – Development of Projected Cost of Gas (C-factor)	W. J. McAllister
Schedule B (Pages 3-14) – Projected Supply Volumes, Rates, Costs, 4/15 through 11/16	S.M. Hart
Schedule C (Pages 1-7) – Development of Experienced Cost of Gas (E-factor)	W. J. McAllister
Schedule D (Pages 1-2) – Development of Interruptible Revenue Credit	W.J. McAllister
<i>Pro Forma</i> Tariff Addendum to Gas – Pa. P.U.C. No. 5	W. J. McAllister
<i>Pro Forma</i> Tariff Addendum to Gas – Pa. P.U.C. No. 5-S (Choice Supplier Tariff)	S.M. Hart
UGI Statement No. 1, Direct Testimony of William J. McAllister, Principal Analyst – Rates	W. J. McAllister
UGI Statement No. 2, Direct Testimony of Shaun M. Hart, Manager – Supply	S.M. Hart
<b>Exhibit(s):</b> UGI-SMH-1 UGI-SMH-2 UGI-SMH-3 UGI-SMH-4 UGI-SMH-5	S.M. Hart
UGI Statement No. 3, Direct Testimony of David C. Beasten, Manager – Gas Supply Planning & Procurement	D. C. Beasten
<b>Exhibit(s):</b> UGI-DCB-1 UGI-DCB-2 UGI-DCB-3	D.C. Beasten

**Book 1 – Filed May 1, 2015**

**Supporting Information Pursuant to §§ 53.64(c) and 53.65 and 66 Pa. C.S. § 1317**

	<u>Witness</u>
Section 1 - §53.64 (c)(1) Sources of Gas Supply	S. M. Hart
<b>Attachment(s):</b> 1-A-1 Volumes, Rates, Cost – 04/2014 – 03/2015 1-B-1 Volumes, Rates, Cost – 04/2015 – 11/2015 1-B-2 Volumes, Rates, Cost – 12/2015 – 11/2016 1-C-1 Volumes – 04/2014 – 11/2016	S. M. Hart
Section 2 - § 53.64(c)(3) Other Sources of Gas Supply	S. M. Hart
<b>Attachment(s):</b> 2-A-1 Spot Purchase Bids & Acceptances 2-A-2 Upstream Transportation Activities	S. M. Hart
Section 3 - § 53.64(c)(4) FERC Proceedings	D. C. Beasten
Section 4 - §53.64(c)(5) Supply/Demand Projections	S. M. Hart/ W.J. McAllister
<b>Attachment(s):</b> 4-1 IRP Contract Year Supply/Demand Balance	S. M. Hart
Section 5 - §53.64(c)(6) Fuel Procurement Practices	S.M. Hart/ D.C. Beasten
<b>Attachment(s):</b> 5-1 Organization Chart	S.M. Hart
Section 6 - §53.64(c)(7) Off-System Sales	S. M. Hart
Section 7 - §53.64(c)(8) Transportation Agreements	W. J. McAllister
<b>Attachment(s):</b> 7-1 Rate DS Service Agreement	W. J. McAllister
Section 8 - §53.64(c)(9) End User Transportation Volumes	W. J. McAllister
Section 9 - §53.64(c)(10) System Map	S. M. Hart
Section 10 - §53.64(c)(11) Rate Structure Changes	W. J. McAllister
Section 11 - §53.64(c)(12)-(14) Peak Day	S. M. Hart
<b>Attachment(s):</b> 11-1 Experienced 3-Day Peak Periods	S.M. Hart
Section 12 - §53.54(i) PGC Revenue/Expense	W. J. McAllister
<b>Attachment(s):</b> 12-1 PGC Revenue – Expense Statement	W. J. McAllister
Section 13 - §53.65 Affiliated Purchases	S.M. Hart
<b>Attachment(s):</b> 13-1 Purchases from Affiliates	S.M. Hart
Section 14 – 66 Pa. C.S. § 1317(c) Reliability Plans	S.M. Hart
<b>Attachment(s):</b> 14-1 Capacity to Meet Firm Peak Day Requirements 14-2 Load Duration Curve	S.M. Hart

**UGI Utilities, Inc. - Gas Division  
Computation of the Cost of Gas  
Applicable to Rates: R, GL, & N**

**Effective December 1, 2015  
Computation Year Ending November 30, 2016**

C1 - Projected Cost	\$ 144,984,885
S1 - Projected Sales - Mcf	30,587,680
C1 / S1 Projected Cost per Mcf	\$ 4.7400
IRC - Interruptible Revenue Credit	\$ (0.0503)
E1 - Experienced Cost	\$ (1,915,878)
E1 / S1 Experienced Cost per Mcf 1/	\$ (0.0609)
PGC1 = (C/S + E/S) @ 12/1/2015 - Proposed (per Mcf)	\$ 4.6287
PGC1 = (C/S + E/S) @ 6/1/2015 - Current (per Mcf)	\$ 4.8547 2/
PGC1 Change (per Mcf)	\$ (0.2260)
Residential Heating Percent Change	-2.6%

1/ See Schedule C, Page 1 for the development of this rate.

2/ See Supplement No. 121 to Tariff UGI Gas - Pa. P.U.C. No. 5, effective June 1, 2015.

**UGI Utilities, Inc. - Gas Division  
Computation of the Cost of Gas  
Applicable to Rates: BD & CIAC**

**Effective December 1, 2015  
Computation Year Ending November 30, 2016**

C2 - Projected Cost	\$	119,326
S2 - Projected Sales - Mcf		24,015
C2 / S2 Projected Cost per Mcf	\$	4.9688
IRC - Interruptible Revenue Credit	\$	(0.0503)
E2 - Experienced Cost	\$	4,312
E2 / S2 Experienced Cost per Mcf 1/	\$	0.1796
PGC2 = (C/S + E/S) @ 12/1/2015 - Proposed (per Mcf)	\$	5.0981
PGC2 = (C/S + E/S) @ 6/1/2015 - Current (per Mcf)	\$	4.8451 2/
PGC2 Change (per Mcf)	\$	0.2530

1/ See Schedule C, Page 1 for the development of this rate.

2/ See Supplement No. 121 to Tariff UGI Gas - Pa. P.U.C. No. 5, effective June 1, 2015.



Schedule A  
Page 3 of 3

**UGI Utilities, Inc. - Gas Division  
Computation of the Cost of Gas  
Applicable to Rate: GBM**

**Effective December 1, 2015  
Computation Year Ending November 30, 2016**

C(GBM) - Projected Cost	\$	774,843
S(GBM) - Projected Sales (Mcf)		54,536
C(GBM) / S(GBM) Projected Cost per Mcf	\$	14.2078
IRC - Interruptible Revenue Credit	\$	(0.0503)
E(GBM) - Experienced Cost Rate	\$	-
E(GBM) / S(GBM) Experienced Cost per Mcf 1/	\$	(1.0682)
PGC(GBM) = (GSC(GBM) + GCA) @ 12.1.2015 - Proposed (per Mcf)	\$	13.0894
PGC(GBM) = (GSC(GBM) + GCA) @ 6.1.2015 - Current (per Mcf)	\$	14.8907 2/
<u>PGC Change</u>	\$	<u>(1.8013)</u>

1/ See Schedule C, Page 1 for the development of this rate.

2/ See Supplement No. 121 to Tariff UGI Gas - Pa. P.U.C. No. 5, effective June 1, 2015.

UGI Utilities, Inc. - Gas Division  
Development of the Projected Cost: C1 and C2  
For the 2016 PGC Year

Effective December 1, 2015  
Computation Year Ending November 30, 2016

Month	Year	\$	Projected Sales (Mcf) 1/	SZ	PGC1 Rate	PGC2 Rate	PGC Revenue	C	Projected Cost C1	C2	PGC Over/(Under) Collection
December 2/	2015	4,400,891	4,388,832	2,059	\$ 4.49	\$ 4.30	\$ 19,759,508	\$ 22,432,374	\$ 22,423,720	\$ 8,854	\$ (2,072,865)
January	2016	5,768,825	5,787,146	2,478	\$ 4.74	\$ 4.97	\$ 27,443,383	\$ 29,064,488	\$ 29,052,168	\$ 12,321	\$ 1,378,904
February	2016	5,993,398	5,680,807	2,481	\$ 4.74	\$ 4.87	\$ 27,703,079	\$ 21,900,983	\$ 21,800,983	\$ -	\$ 5,892,096
March	2016	4,412,640	4,411,252	1,388	\$ 4.74	\$ 4.97	\$ 20,916,233	\$ 19,046,974	\$ 19,040,076	\$ 6,898	\$ 1,869,259
April	2016	2,854,799	2,850,379	4,020	\$ 4.74	\$ 4.87	\$ 12,884,764	\$ 7,458,297	\$ 7,438,330	\$ 21,967	\$ 5,129,467
May	2016	1,423,949	1,422,500	1,449	\$ 4.74	\$ 4.97	\$ 6,748,852	\$ 5,878,249	\$ 5,871,047	\$ 7,202	\$ 1,071,803
June	2016	608,327	935,043	1,284	\$ 4.74	\$ 4.87	\$ 4,438,465	\$ 5,013,506	\$ 5,007,125	\$ 6,381	\$ (875,021)
July	2016	603,902	902,440	1,482	\$ 4.74	\$ 4.97	\$ 2,862,332	\$ 4,535,102	\$ 4,527,836	\$ 7,266	\$ (1,672,270)
August	2016	558,062	557,864	1,388	\$ 4.74	\$ 4.97	\$ 2,650,370	\$ 4,868,107	\$ 4,578,159	\$ 8,948	\$ (1,895,737)
September	2016	591,445	560,097	1,348	\$ 4.74	\$ 4.97	\$ 2,861,559	\$ 4,802,947	\$ 4,798,247	\$ 6,700	\$ (2,141,388)
October	2016	1,076,069	1,073,782	2,287	\$ 4.74	\$ 4.87	\$ 5,101,093	\$ 6,741,076	\$ 8,728,710	\$ 11,366	\$ (1,839,983)
November	2016	2,384,104	2,392,154	1,980	\$ 4.74	\$ 4.97	\$ 11,301,101	\$ 17,618,751	\$ 17,609,060	\$ 9,692	\$ (6,317,950)
Total		30,686,231	30,842,218	24,015			\$ 144,262,371	\$ 145,879,055	\$ 145,773,480	\$ 105,595	\$ (1,816,884)

1/ Includes Gas Beyond the Mean Projected Annual Sales of 64536 Mcf  
2/ December 2015 reflects provision of the PGC rates.

**UGI Utilities, Inc. - Gas Division  
Computation of the Projected Cost C2  
For the 2015 PGC Year**

**Schedule B  
Page 2 of 14**

**Effective December 1, 2015  
Computation Year Ending November 30, 2016**

D2 - Demand costs 1/ DCR (MCFD)		0
WACOD (\$/MCFD)	\$	14.75
D2 =	\$	-
CC 2 -COMMODITY COSTS : PGC 2 Sales (MCF)		24,015
WACOG (\$/MCF)	\$	4.969
CC2 =	\$	119,326

1/ Included in WACOG



UGI UTILITIES INC. - GAS UTILITIES DIVISION  
 PROJECTED SUPPLY VOLUMES IN DTH OR DTH/D  
 UNDER NORMAL WEATHER  
 6 MONTH PERIOD - APRIL THROUGH NOVEMBER  
 COMMODITY

Schedule B  
 Page 4 of 14

	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	TOTAL
<b>Supply Volumes</b>									
Trigger Flex	120,000	124,000	120,000	124,000	124,000	120,000	124,000	0	856,000
Trigger Laid	420,000	434,000	420,000	434,000	434,000	420,000	434,000	0	2,900,000
MidThruCoast	0	0	0	0	0	0	0	0	0
Trigger TCO Pool	0	0	0	0	0	0	0	0	0
Spot ANR SE	0	0	0	0	0	0	0	0	0
Spot M2	1,334,328	301,128	156,825	0	0	32,810	644,149	1,964,482	4,733,632
Spot Divd Supply	0	0	0	0	0	0	0	0	0
Spot Laidy	269,701	299,358	191,265	157,018	232,499	200,372	299,358	707,430	2,378,036
Spot TCO Pool	0	0	0	0	0	0	0	0	0
Gas Beyond M	9,781	6,342	868	525	753	811	803	4,332	17,118
Asset Management Refill	1,338,952	1,338,952	1,338,952	1,338,952	1,338,952	1,338,952	1,338,952	0	8,372,962
<b>Injected Volumes</b>									
ANR FSS	397,144	397,144	397,144	397,144	397,144	397,144	397,141	0	2,780,008
Down GSS	85,239	85,239	85,239	85,239	85,239	85,239	85,239	0	659,897
Down GSS TE	112,941	112,941	112,941	112,941	112,941	112,941	112,941	0	790,887
Trinaco GSS	11,917	17,080	15,860	16,310	14,348	13,883	13,630	0	103,128
Trinaco SS-2	79,886	143,461	132,722	128,953	128,121	103,804	79,886	0	798,860
Egan FSS	0	0	0	0	0	0	0	0	0
TCO FSS	733,629	733,629	733,629	733,629	733,629	733,629	733,629	0	5,136,402
<b>Withdrawn Volumes</b>									
ANR FSS	0	0	0	0	0	0	0	398,201	398,201
Down GSS	40,000	0	0	0	0	0	0	0	40,000
Down GSS TE	0	0	0	0	0	0	0	132,083	132,083
Trinaco GSS	0	0	0	0	0	0	0	0	0
Trinaco SS-2	0	0	0	0	0	0	0	0	0
Egan FSS	0	0	0	0	0	0	0	0	0
TCO FSS	0	0	0	0	0	0	0	0	0
Transport/Way Fuel	43,694	15,417	7,711	2,954	3,159	3,885	28,791	79,859	186,340
<b>Total Demand Served</b>	<b>2,072,834</b>	<b>1,977,801</b>	<b>732,465</b>	<b>887,911</b>	<b>848,684</b>	<b>882,719</b>	<b>1,530,274</b>	<b>2,821,888</b>	<b>16,181,177</b>
<b>Total Choice Bonded Demand</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>315,899</b>	<b>315,899</b>
<b>Transcoction</b>									
ANR FSS-TCO	0	0	0	0	0	0	0	163,880	163,880
ANR FSS-Tel	0	0	0	0	0	0	0	231,113	231,113
ANR SE-Egan	0	0	0	0	0	0	0	0	0
ANR SE-TCO	0	0	0	0	0	0	0	0	0
ANR SW-Talco	0	0	10,138	0	0	0	0	0	10,138
Egan-ANR SE	0	0	0	0	0	0	0	0	0
FTS-6 FT	40,000	0	0	0	0	0	0	0	40,000
FTS-7 FT	0	0	0	0	0	0	0	129,441	129,441
Lynch FTB	0	0	11,579	0	0	0	0	0	11,579
Lab FTB	0	0	4,890	0	0	0	0	140,740	145,630
Lab NTB	0	0	5,258	0	0	0	0	10,963	16,211
LL M1-M3 CDS	0	0	13,234	0	0	0	0	0	13,234
M2-M3 CDS	300,000	279,646	10,000	0	0	31,809	310,000	300,000	1,221,655
M2-M3 FT	983,756	100,860	90,453	0	0	0	608,487	1,857,948	3,651,243
RIV FT	120,000	124,000	120,000	124,000	124,000	120,000	124,000	0	868,000
BST	0	0	0	0	0	0	0	0	0
Trinaco FTF	707,430	731,011	800,808	588,122	684,328	518,387	731,011	705,886	6,309,782



VO UTILITIES INC. - GAS UTILITIES DIVISION  
 PROJECTED SUPPLY UNIT RATE IN \$/BTU  
 UNDER NORMAL WEATHER  
 6 MONTH PERIOD - APRIL THROUGH NOVEMBER  
 COMMODITY

	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	AVERAGE
<b>Supply Rate</b>									
Trigger Plus	2.8120	1.3110	1.5480	1.4080	1.4280	1.4380	1.5225	0.0000	1.5776
Trigger Plus	2.2320	2.1600	1.7251	1.7428	1.5028	1.8341	2.2800	0.0000	1.8972
McTreasCall	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trigger TCO Post	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Spot ANR SE	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Spot M2	1.5875	1.3510	1.4480	0.0000	0.0000	1.3410	1.4885	1.8695	1.4732
Spot Divd Supply	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Spot Larky	1.2050	0.9135	1.0105	1.1638	1.0655	0.9038	1.0468	1.8010	1.2828
Spot TCCPost	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Gas Beyond M	12.9178	12.8463	12.8856	13.0411	13.1095	13.2453	13.3080	13.3787	13.0823
Asset Management Perm	3.0858	2.9088	2.8927	2.9818	2.8001	2.8864	2.9549	0.0000	2.9423
<b>Injection Rate</b>									
ANR FBS	0.0128	0.0128	0.0128	0.0000	0.0128	0.0128	0.0128	0.0000	0.0128
Dom GSS	0.0318	0.0318	0.0318	0.0000	0.0318	0.0318	0.0318	0.0000	0.0318
Dom GSS TE	0.0318	0.0318	0.0318	0.0000	0.0318	0.0318	0.0318	0.0000	0.0318
Tranaco GSS	0.0544	0.0544	0.0544	0.0544	0.0544	0.0544	0.0544	0.0000	0.0544
Tranaco SS-2	0.0318	0.0318	0.0318	0.0318	0.0318	0.0318	0.0318	0.0000	0.0318
Egan FBS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TCC FBS	0.0155	0.0155	0.0155	0.0000	0.0155	0.0155	0.0155	0.0000	0.0155
<b>Withdrawal Rate</b>									
ANR FBS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0128	0.0128
Dom GSS	0.0180	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0180
Dom GSS TE	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Tranaco GSS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Tranaco SS-2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Egan FBS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TCC FBS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Interconnection Rate</b>									
ANR FBS-TCC	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0105	0.0105
ANR FBS-Tea	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ANR SE-Egan	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ANR SE-TCC	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ANR SW-Traco	0.0000	0.0000	0.0204	0.0000	0.0000	0.0000	0.0000	0.0000	0.0204
FTS-5 FT	0.0014	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0014
FTS-7 FT	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Leach FTS	0.0000	0.0000	0.0194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0194
Lab FTS	0.0000	0.0000	0.0194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0194
Lab NYB	0.0000	0.0000	0.0194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0194
LL NY-MS CDS	0.0000	0.0000	0.0218	0.0000	0.0000	0.0000	0.0000	0.0000	0.0218
MS-MS CDS	0.0740	0.0740	0.0740	0.0000	0.0000	0.0740	0.0740	0.0740	0.0740
MS-MS FT	0.0740	0.0740	0.0740	0.0000	0.0000	0.0740	0.0740	0.0740	0.0740
RIV FT	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0000	0.0014
SST	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Tranaco FT	0.0074	0.0074	0.0074	0.0074	0.0074	0.0074	0.0074	0.0074	0.0074
<b>Total Com Vol</b>	2,072,834	1,877,801	732,465	887,811	648,894	862,719	1,680,274	3,831,989	10,161,177
<b>Total Com Cost</b>	2,831,288	1,874,088	1,198,488	978,168	865,362	1,018,462	2,782,375	8,898,368	18,322,863
<b>Com Unit Rate</b>	\$1.850	\$1.728	\$1.636	\$1.102	\$1.335	\$1.181	\$1.653	\$2.321	\$1.803
<b>Total Dem Cost</b>	4,328,789	4,391,918	4,416,782	4,428,178	4,411,585	4,394,743	4,815,842	11,813,338	42,688,221
<b>Dem Unit Rate</b>	\$2.098	\$2.335	\$6.030	\$5.001	\$6.813	\$5.089	\$2.868	\$3.081	\$4.262
<b>Total System Costs</b>	6,178,058	6,286,002	5,614,247	6,404,331	6,284,927	6,411,205	7,289,317	17,811,827	61,022,784
<b>System Unit Rate</b>	\$2.986	\$3.351	\$7.658	\$7.208	\$9.684	\$7.428	\$4.338	\$4.648	\$6.008

UGI UTILITIES INC. - GAS UTILITIES DIVISION  
PROJECTED PURCHASED GAS COSTS IN (\$)  
UNDER NORMAL WEATHER  
9 MONTH PERIOD - APRIL THROUGH NOVEMBER  
DEMAND

	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	TOTAL
<b>Supply</b>									
Options	158,143	158,143	158,143	158,143	158,143	158,143	158,143	0	1,113,889
UGI ES Delivered Supply	115,500	115,500	115,500	115,500	115,500	115,500	115,500	115,500	924,000
Traneco Delivered Supply	80,500	80,500	80,500	80,500	80,500	80,500	80,500	80,500	644,000
UGIES Peak SVC VI	0	0	0	0	0	0	0	0	0
Lady Supply	5,181	5,354	5,181	5,354	5,354	5,181	5,354	5,181	42,140
Lady Supply Credit - PNG	(108)	(108)	(108)	(108)	(108)	(108)	(108)	(108)	(864)
Lady Supply Credit - CPD	(314)	(324)	(314)	(324)	(324)	(314)	(324)	(314)	(2,542)
UGI ES Peak SVC I	0	0	0	0	0	0	0	1,720,000	1,720,000
UGI ES Peak SVC II	0	0	0	0	0	0	0	2,041,867	2,041,867
UGI ES Peak SVC III	0	0	0	0	0	0	0	1,338,285	1,338,285
UGI ES Peak SVC IV	0	0	0	0	0	0	0	170,021	170,021
Peak SVC	0	0	0	0	0	0	0	2,336,713	2,336,713
UGIES Peak SVC V	0	0	0	0	0	0	0	700,143	700,143
<b>Storage Demand</b>									
ANR FSS	117,485	117,485	117,485	117,485	117,485	117,485	117,485	117,485	939,728
Dom GSS	12,417	12,417	12,417	12,417	12,417	12,417	12,417	12,417	99,338
Dom GSS TE	11,175	11,175	11,175	11,175	11,175	11,175	11,175	11,175	89,400
Traneco GSS	5,275	5,451	5,275	5,451	5,451	5,275	5,451	5,275	42,907
Traneco SS-2	82,277	84,353	82,277	84,353	84,353	82,277	84,353	82,277	659,423
Egan FSS	0	0	0	0	0	0	0	0	0
TCC FSS	172,085	172,085	172,085	172,085	172,085	172,085	172,085	172,085	1,376,706
<b>Storage Capacity</b>									
ANR FSS	92,887	92,887	92,887	92,887	92,887	92,887	92,887	92,887	741,334
Dom GSS	9,887	9,887	9,887	9,887	9,887	9,887	9,887	9,887	77,334
Dom GSS TE	13,847	13,847	13,847	13,847	13,847	13,847	13,847	13,847	109,177
Traneco GSS	1,824	1,878	1,824	1,878	1,878	1,824	1,878	1,824	14,528
Traneco SS-2	22,474	23,223	22,474	23,223	23,223	22,474	23,223	22,474	182,788
Egan FSS	110,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000	880,000
TCC FSS	180,085	180,085	180,085	180,085	180,085	180,085	180,085	180,085	1,440,677
<b>Transportation</b>									
Traneco Sentinel FT	118,132	120,053	118,132	120,000	120,000	118,132	120,000	118,132	944,641
Columbia FTS	873,542	873,542	873,542	873,542	873,542	873,542	873,542	873,542	6,988,332
Columbia NTS	114,495	114,495	114,495	114,495	114,495	114,495	114,495	114,495	918,360
Columbia SST	341,250	341,250	341,250	341,250	341,250	341,250	341,250	341,250	2,730,000
Columbia GULF FTS-1	85,834	85,834	85,834	85,834	85,834	85,834	85,834	85,834	686,671
Traneco Eastern COG	1,071,988	1,071,988	1,071,988	1,071,988	1,071,988	1,071,988	1,071,988	1,071,988	8,575,907
Traneco Eastern FT-1	988,854	988,854	988,854	988,854	988,854	988,854	988,854	988,854	7,902,833
Traneco Eastern FT MZ - M3	433,885	433,885	433,885	433,885	433,885	433,885	433,885	433,885	3,471,080
Traneco Eastern LLFT	22,812	22,812	22,812	22,812	22,812	22,812	22,812	22,812	182,494
Traneco Eastern FLEX-X	41,758	41,758	41,758	41,758	41,758	41,758	41,758	41,758	334,064
Traneco Eastern FTS-7	38,887	38,887	38,887	38,887	38,887	38,887	38,887	38,887	311,096
Traneco Eastern FTS-5	34,528	34,528	34,528	34,528	34,528	34,528	34,528	34,528	276,227
Traneco PS-FT	0	0	0	0	0	0	0	0	0
Traneco FT	102,512	105,929	102,512	105,929	105,929	102,512	105,929	102,512	833,783
Traneco FTF	86,418	82,388	86,418	82,388	82,388	86,418	82,388	86,418	691,348
ANR FTS-1: FT SW TETCO	118,325	118,325	118,325	118,325	118,325	118,325	118,325	118,325	946,600
ANR FTS-1: Columbia	84,800	84,800	84,800	84,800	84,800	84,800	84,800	84,800	678,400
ANR FTS-1: FT SE Columbia	107,275	107,275	107,275	107,275	107,275	107,275	107,275	107,275	858,200
ANR FTS-1: FT SE TETCO	30,257	30,257	30,257	30,257	30,257	30,257	30,257	30,257	242,056
ANR FTS-1 Del to Storage	128,578	128,578	128,578	128,578	128,578	128,578	128,578	128,578	1,028,624
ANR: FSS Storage Del - COL	0	0	0	0	0	0	0	0	0
ANR: FSS Storage Del - TETCO	0	0	0	0	0	0	0	0	0
ANR: FSS Storage Del - TETCO LLFT	0	0	0	0	0	0	0	0	0
Tobyhanna FT	6,742	5,441	4,543	4,881	4,881	4,614	5,110	6,978	55,074
UGI Central Penn Gas	42,800	42,800	42,800	42,800	42,800	42,800	42,800	42,800	342,400
<b>SUBTOTAL</b>	<b>6,778,813</b>	<b>6,782,884</b>	<b>6,788,814</b>	<b>6,782,218</b>	<b>6,782,138</b>	<b>6,788,088</b>	<b>6,782,818</b>	<b>6,788,088</b>	<b>54,216,727</b>
Non-Choice Cap Ret/Barring Mech Credit	(78,688)	(77,342)	(78,868)	(77,342)	(77,342)	(78,868)	(78,868)	(78,868)	(629,332)
Choice Capacity Assignment Credits	(1,048,282)	(1,011,891)	(1,008,847)	(1,011,614)	(1,011,899)	(1,008,748)	(1,017,884)	(2,588,148)	(18,117,288)
DS Credits	(278,036)	(223,889)	(187,228)	(188,186)	(202,144)	(208,838)	(238,821)	(268,881)	(1,848,811)
Supplemental PI Credits	(80,000)	(80,000)	(80,000)	(80,000)	(80,000)	(80,000)	(80,000)	(80,000)	(640,000)
Peak High Trade	811	811	811	811	811	811	811	811	6,488
<b>Total Demand Cost</b>	<b>4,338,789</b>	<b>4,391,818</b>	<b>4,516,782</b>	<b>4,538,178</b>	<b>4,611,888</b>	<b>4,534,743</b>	<b>4,616,942</b>	<b>4,616,942</b>	<b>37,288,521</b>



UGI UTILITIES INC. - GAS UTILITIES DIVISION  
PROJECTED PURCHASE GAS COSTS IN (\$) UNDER NORMAL WEATHER  
8 MONTH PERIOD - APRIL THROUGH NOVEMBER  
COMMODITY

	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	TOTAL
<b>Storage Cost</b>									
Trigger Flex	315,440	162,364	181,790	174,344	177,188	172,220	168,788	0	1,359,413
Trigger Lat	937,440	933,243	724,547	758,303	652,216	686,342	669,860	0	6,863,940
MoTmcoCall	0	0	0	0	0	0	0	0	0
Trigger Trsf	0	0	0	0	0	0	0	0	0
Spot ANR SE	0	0	0	0	0	0	0	0	0
Spot MZ	2,118,249	528,415	227,227	0	0	44,132	1,254,827	3,781,536	7,864,404
Spot Dvd Supply	0	0	0	0	0	0	0	0	0
Spot Lady	348,090	275,483	193,273	182,865	233,970	161,036	313,279	1,274,081	3,000,878
Spot TCOPool	0	0	0	0	0	0	0	0	0
Gas Beyond M	48,838	88,155	8,674	8,849	8,868	10,741	12,013	67,948	224,887
Asset Management Refill	4,108,124	3,880,308	3,873,253	3,982,465	3,983,051	3,678,183	3,866,442	0	37,876,877
<b>Injection Cost</b>									
ANR FSS	3,004	3,004	3,004	3,004	3,004	3,004	3,004	0	24,036
Dom GSS	3,029	3,029	3,029	3,029	3,029	3,029	3,029	0	24,236
Dom GSS TE	3,582	3,582	3,582	3,582	3,582	3,582	3,582	0	28,656
Tranaco GSS	649	929	889	833	781	758	743	0	6,888
Tranaco SS-2	2,838	4,570	4,228	4,131	4,082	3,300	2,536	0	25,388
Egan FSS	0	0	0	0	0	0	0	0	0
TCO FSS	11,374	11,374	11,374	11,374	11,374	11,374	11,374	0	78,818
<b>Withdrawal Cost</b>									
ANR FSS	0	0	0	0	0	0	0	4,904	4,904
Dom GSS	720	0	0	0	0	0	0	0	720
Dom GSS TE	0	0	0	0	0	0	0	2,906	2,906
Tranaco GSS	0	0	0	0	0	0	0	0	0
Tranaco SS-2	0	0	0	0	0	0	0	0	0
Egan FSS	0	0	0	0	0	0	0	0	0
TCO FSS	0	0	0	0	0	0	0	0	0
<b>Transmission Cost</b>									
ANR FSS-TCO	0	0	0	0	0	0	0	1,614	1,614
ANR FSS-TM	0	0	0	0	0	0	0	2,427	2,427
ANR SS-Egan	0	0	0	0	0	0	0	0	0
ANR SS-TCO	0	0	0	0	0	0	0	0	0
ANR SW-Tatco	0	0	207	0	0	0	0	0	207
FTS-5 FT	96	0	0	0	0	0	0	0	96
FTS-7 FT	0	0	0	0	0	2	0	181	183
Lamco FTS	0	0	225	0	0	0	0	0	225
Lab FTS	0	0	89	0	0	0	0	2,730	2,819
Lab NTS	0	0	123	0	0	0	0	186	297
LL MH-M3 CDS	0	0	1,215	0	0	0	0	0	1,215
M3-M3 CDS	22,300	20,820	740	0	0	2,361	22,540	22,200	91,861
M3-M3 FT	73,538	7,444	8,894	0	0	0	37,828	137,408	262,782
RIV FT	168	174	168	174	174	188	174	0	1,188
SST	0	0	0	0	0	0	0	0	0
Tranaco FTF	3,207	3,380	4,485	4,336	4,889	4,561	5,380	5,190	38,118
<b>Subtotal Cost</b>	<b>8,000,263</b>	<b>6,919,284</b>	<b>6,230,783</b>	<b>6,146,109</b>	<b>4,989,223</b>	<b>6,008,849</b>	<b>6,911,811</b>	<b>6,293,419</b>	<b>48,336,870</b>
<b>Injectal Value</b>	<b>4,310,878</b>	<b>4,948,298</b>	<b>4,031,289</b>	<b>4,168,963</b>	<b>4,033,861</b>	<b>3,890,287</b>	<b>4,058,238</b>	<b>0</b>	<b>28,548,811</b>
<b>Withdrawal Value</b>	<b>71,866</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,208,287</b>	<b>1,279,872</b>
<b>Choice Burdened Base Credit</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>(863,348)</b>	<b>(863,348)</b>
<b>Cyclohex Credit</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Cost</b>	<b>3,689,385</b>	<b>1,971,086</b>	<b>2,199,494</b>	<b>2,077,146</b>	<b>955,362</b>	<b>2,118,562</b>	<b>2,859,549</b>	<b>5,430,180</b>	<b>18,323,583</b>



UOI UTILITIES INC. - GAS UTILITIES DIVISION  
PROJECTED SUPPLY VOLUMES IN DTH OR DTH/D  
UNDER NORMAL WEATHER  
12 MONTH PERIOD - DECEMBER THROUGH NOVEMBER  
COMMUNITY

Schedule B  
Page 10 of 14

	Dec-16	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	TOTAL
<b>Supply Volumes</b>													
Trigger Pac	0	0	0	0	0	0	0	0	0	0	0	0	0
Trigger Lead	0	0	0	0	0	0	0	0	0	0	0	0	0
MoTracoCell	0	0	85,003	0	0	0	0	0	0	0	0	0	85,003
Trigger TCO Pool	84,696	84,635	0	0	0	0	0	0	0	0	0	0	169,331
Spot ANR SE	183,080	0	0	0	0	0	0	0	0	0	0	0	183,080
Spot M2	2,880,854	2,987,153	2,838,407	1,972,817	1,418,581	849,850	246,328	80,717	78,462	107,047	1,138,205	2,047,477	16,906,400
Spot Divd Supply	310,000	310,000	32,574	0	0	0	0	0	0	0	0	0	682,574
Spot Lady	731,011	731,011	683,849	731,011	707,430	731,011	707,430	731,011	731,011	707,430	731,011	707,430	8,630,848
Spot TCO/Pool	80,518	532,753	0	0	0	0	0	0	0	0	0	0	683,268
Gas Beyond MI	7,881	12,180	10,778	9,947	2,781	6,842	888	833	753	811	983	4,332	87,900
Asset Management Refit	0	0	0	0	1,338,852	1,338,852	1,338,852	1,338,852	1,338,852	1,338,852	1,338,852	1,338,852	6,372,852
<b>Subtotal Volumes</b>													
ANR FSS	0	0	0	0	387,144	387,144	387,144	387,144	387,144	387,144	387,141	0	2,780,008
Dom GSS	0	0	0	0	95,238	96,238	96,238	96,238	96,238	96,238	96,238	0	698,687
Dom GSS TE	0	0	0	0	112,941	112,941	112,941	112,941	112,941	112,941	112,941	0	780,887
Tranaco GSS	0	0	0	0	11,917	17,080	15,980	15,270	14,348	13,885	13,885	0	102,128
Tranaco SS-2	0	0	0	0	79,895	153,781	151,437	113,258	127,512	111,573	78,085	0	788,950
Egan FSS	150,000	0	0	0	0	0	0	0	0	0	0	0	150,000
TCO FSS	0	0	0	0	733,829	733,829	733,829	733,829	733,829	733,829	733,829	0	5,136,403
<b>Subtotal Volumes</b>													
ANR FSS	883,801	778,401	811,801	417,001	0	0	0	0	0	0	0	361,401	2,782,208
Dom GSS	188,800	188,800	188,800	136,200	23,800	0	0	0	0	0	0	0	688,687
Dom GSS TE	162,730	168,000	147,088	162,706	0	0	0	0	0	0	0	152,383	780,637
Tranaco GSS	0	44,857	36,786	20,428	0	0	0	0	0	0	0	0	102,128
Tranaco SS-2	187,788	224,585	198,238	175,828	0	0	0	0	0	0	0	0	788,680
Egan FSS	0	0	97,600	82,500	0	0	0	0	0	0	0	0	180,000
TCO FSS	900,180	1,383,234	1,500,705	1,171,334	48,118	0	0	0	0	0	0	0	6,136,403
<b>Transportation Fuel</b>													
	140,021	161,294	142,408	106,514	48,118	23,134	10,788	4,259	5,748	8,454	37,883	80,320	754,728
<b>Total Demand Served</b>													
	6,386,888	6,080,281	6,207,621	4,288,282	3,018,872	1,188,031	783,234	626,487	682,008	683,378	1,737,071	2,883,279	33,823,796
<b>Total Choice Bundled Demand</b>													
	841,288	854,180	903,781	658,334	0	0	0	0	0	0	0	308,124	2,414,747
<b>Transportation</b>													
ANR FSS-TCO	158,813	158,813	148,267	158,813	0	0	0	0	0	0	0	153,680	778,636
ANR FSS-Tet	418,391	610,783	468,128	293,478	0	0	0	0	0	0	0	0	1,842,408
ANR SS-Egan	152,254	0	0	0	0	0	0	0	0	0	0	0	152,254
ANR SS-TCO	0	0	98,018	51,702	0	0	0	0	0	0	0	0	147,720
ANR SW-Telex	0	0	0	0	0	0	10,138	0	0	0	0	0	10,138
Egan-ANR SE	0	0	87,600	52,500	0	0	0	0	0	0	0	0	150,000
FTS-4 FT	165,800	180,887	180,000	136,200	23,800	0	0	0	0	0	0	0	688,687
FTS-7 FT	159,475	182,280	144,128	152,461	0	0	0	0	0	0	0	0	774,776
Leach FTS	87,558	378,680	0	0	0	0	11,579	0	0	0	0	0	487,827
Lab FT8	184,783	258,328	187,458	172,937	0	0	4,580	0	0	0	0	0	943,736
Lab NTS	28,290	104,828	42,318	33,810	0	0	5,258	0	0	0	0	0	237,737
LL M1-M3 CDS	0	0	0	0	0	0	24,288	0	0	0	0	0	24,288
M2-M3 CDS	310,000	310,000	290,000	280,000	300,000	508,084	88,381	25,783	73,488	100,580	310,000	300,000	2,701,488
M2-M3 FT	2,887,384	2,987,384	2,710,456	1,878,813	1,078,486	513,001	80,453	0	2,588	3,233	791,864	1,882,670	14,544,822
RV FT	0	0	0	0	0	0	0	0	0	0	0	0	0
SST	883,182	1,333,787	1,422,414	1,148,258	0	0	0	0	0	0	0	0	8,038,800
Tranaco FTF	728,672	728,672	681,851	728,672	705,186	728,672	705,186	728,672	728,672	705,186	728,672	705,186	6,803,028



UGI UTILITIES INC. - GAS UTILITIES DIVISION  
PROJECTED SUPPLY UNIT RATE IN DOLLARS  
UNDER NORMAL WEATHER  
12 MONTH PERIOD - DECEMBER THROUGH NOVEMBER  
COMMODITY

	Dec-18	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	AVERAGE
<b>Subcity Rate</b>													
Trigger Fee	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trigger Load	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mid-Term/Call	0.0000	0.0000	3.5025	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	3.5025
Trigger TCO Pool	2.3916	2.3915	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.3915
Spot ANR SE	2.8475	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.8475
Spot M2	2.0560	2.2940	2.2670	2.2330	1.8880	1.9040	1.5882	1.6220	1.7065	1.5820	1.7200	2.2210	3.1087
Spot Divd Supply	2.2150	2.4140	2.4170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.3197
Spot Ledy	1.8700	2.1980	2.1720	2.1390	1.8140	1.4230	1.4130	1.5470	1.4315	1.3170	1.4450	2.2190	1.7367
Spot TCO Pool	2.7300	2.8115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.8052
Gas Beyond M	13.4436	13.6601	13.5122	13.2732	13.1598	13.1571	13.1873	13.2460	13.3008	13.4029	13.4925	13.5602	13.4062
Asset Management Parts	0.0000	0.0000	0.0000	0.0000	2.7483	2.7014	2.7118	2.2544	2.9157	2.3640	2.4329	0.0000	2.8068
<b>Injection Rate</b>													
ANR FSS	0.0000	0.0000	0.0000	0.0000	0.0126	0.0126	0.0126	0.0126	0.0126	0.0126	0.0126	0.0000	0.0126
Dom GSS	0.0000	0.0000	0.0000	0.0000	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018	0.0000	0.0018
Dom GSS TE	0.0000	0.0000	0.0000	0.0000	0.0316	0.0316	0.0316	0.0316	0.0316	0.0316	0.0316	0.0000	0.0316
Tranaco GSS	0.0000	0.0000	0.0000	0.0000	0.0544	0.0544	0.0544	0.0544	0.0544	0.0544	0.0544	0.0000	0.0544
Tranaco SB-2	0.0000	0.0000	0.0000	0.0000	0.0319	0.0319	0.0319	0.0319	0.0319	0.0319	0.0319	0.0000	0.0319
Egan FSS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TCO FSS	0.0000	0.0000	0.0000	0.0000	0.0155	0.0155	0.0155	0.0155	0.0155	0.0155	0.0155	0.0000	0.0155
<b>Withdrawal Rate</b>													
ANR FSS	0.0126	0.0126	0.0126	0.0126	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0126
Dom GSS	0.0180	0.0180	0.0180	0.0180	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0180
Dom GSS TE	0.0220	0.0220	0.0220	0.0220	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0220
Tranaco GSS	0.0000	0.0441	0.0441	0.0441	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0441
Tranaco SB-2	0.0317	0.0317	0.0317	0.0317	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0317
Egan FSS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TCO FSS	0.0153	0.0153	0.0153	0.0153	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0153
<b>Transmission Rate</b>													
ANR FSS-TCO	0.0105	0.0105	0.0105	0.0105	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0105	0.0105
ANR FSS-Te	0.0105	0.0105	0.0105	0.0105	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0105
ANR SE-Egan	0.0139	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0139
ANR SE-TCO	0.0000	0.0000	0.0139	0.0139	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0139
ANR SW-TCO	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
FTS-6 FT	0.0014	0.0014	0.0014	0.0014	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0014
FTS-7 FT	0.0014	0.0014	0.0014	0.0014	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0014
Leach FTS	0.0194	0.0194	0.0000	0.0000	0.0000	0.0000	0.0194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0194
Lab FTS	0.0194	0.0194	0.0194	0.0194	0.0000	0.0000	0.0194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0194
Lab NTS	0.0194	0.0194	0.0194	0.0194	0.0000	0.0000	0.0194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0194
LL M1-M3 COS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0816	0.0000	0.0000	0.0000	0.0000	0.0000	0.0816
M2-M3 COS	0.0740	0.0740	0.0740	0.0740	0.0740	0.0740	0.0740	0.0740	0.0740	0.0740	0.0740	0.0740	0.0740
M3-M5 FT	0.0740	0.0740	0.0740	0.0740	0.0740	0.0740	0.0740	0.0740	0.0740	0.0740	0.0740	0.0740	0.0740
RIV FT	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SST	0.0194	0.0194	0.0194	0.0194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0194
Tranaco FTP	0.0074	0.0074	0.0074	0.0074	0.0074	0.0074	0.0074	0.0074	0.0074	0.0074	0.0074	0.0074	0.0074
<b>Total Cost Vol</b>	5,595,889	6,865,291	6,807,851	4,288,362	2,015,872	1,196,031	785,234	628,497	882,808	683,376	1,737,071	2,883,279	32,322,789
<b>Total Cost Cost</b>	13,036,368	18,977,773	13,184,954	10,048,788	3,804,096	2,031,079	1,268,481	1,022,408	1,016,076	880,833	2,285,444	6,843,044	71,289,862
<b>Com Unit Rate</b>	\$2.321	\$2.754	\$2.384	\$2.364	\$1.897	\$1.712	\$1.579	\$1.624	\$1.638	\$1.435	\$1.724	\$2.380	\$2.236
<b>Total Cost Cost</b>	10,383,039	10,077,217	8,718,027	4,998,184	3,664,302	3,647,174	3,758,016	3,812,643	3,584,031	3,422,014	3,746,630	10,778,707	74,489,102
<b>Dom Unit Rate</b>	\$1.828	\$1.838	\$1.583	\$2.089	\$1.783	\$2.075	\$2.326	\$2.536	\$2.385	\$2.382	\$2.158	\$3.784	\$2.308
<b>Total System Costs</b>	22,432,874	26,064,489	21,900,863	19,048,874	7,458,237	4,878,949	3,013,806	4,534,102	4,586,107	4,802,847	6,741,078	17,518,781	143,678,864
<b>System Unit Rate</b>	\$4.188	\$3.873	\$3.978	\$4.444	\$3.700	\$4.788	\$4.304	\$7.305	\$6.921	\$7.028	\$3.881	\$4.163	\$4.813

UGI UTILITIES INC. - GAS UTILITIES DIVISION  
PROJECTED PURCHASED GAS COSTS \$M (\$)  
UNDER NORMAL WEATHER  
12 MONTH PERIOD - DECEMBER THROUGH NOVEMBER  
DEMAND

Schedule B  
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	Dec-16	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	TOTAL
<b>Supply</b>													
Options	0	158,143	158,143	158,143	158,143	158,143	158,143	158,143	158,143	158,143	158,143	0	1,891,428
UGI ES Delivered Supply	115,500	115,500	115,500	115,500	115,500	115,500	115,500	115,500	115,500	115,500	115,500	115,500	1,284,000
Transco Delivered Supply	254,975	254,975	254,975	254,975	254,975	254,975	254,975	254,975	254,975	254,975	254,975	254,975	3,019,350
UGES Peak SVC VI	886,577	886,577	886,577	886,577	886,577	886,577	886,577	886,577	886,577	886,577	886,577	886,577	4,447,886
Lahly Supply	5,354	5,354	5,354	5,354	5,354	5,354	5,354	5,354	5,354	5,354	5,354	5,354	63,278
Lahly Supply Credit - PNO	(108)	(108)	(108)	(108)	(108)	(108)	(108)	(108)	(108)	(108)	(108)	(108)	(1,278)
Lahly Supply Credit - CPQ	(324)	(324)	(324)	(324)	(324)	(324)	(324)	(324)	(324)	(324)	(324)	(324)	(3,828)
UGI ES Peak SVC I	1,720,000	1,720,000	1,720,000	1,720,000	1,720,000	1,720,000	1,720,000	1,720,000	1,720,000	1,720,000	1,720,000	1,720,000	20,640,000
UGI ES Peak SVC II	2,041,867	2,041,867	2,041,867	2,041,867	2,041,867	2,041,867	2,041,867	2,041,867	2,041,867	2,041,867	2,041,867	2,041,867	24,502,401
UGI ES Peak SVC III	1,338,255	1,338,255	1,338,255	1,338,255	1,338,255	1,338,255	1,338,255	1,338,255	1,338,255	1,338,255	1,338,255	1,338,255	16,059,061
UGI ES Peak SVC IV	170,021	170,021	170,021	170,021	170,021	170,021	170,021	170,021	170,021	170,021	170,021	170,021	2,040,252
Peak SVC	2,336,713	2,336,713	2,336,713	2,336,713	2,336,713	2,336,713	2,336,713	2,336,713	2,336,713	2,336,713	2,336,713	2,336,713	28,041,158
UGES Peak SVC V	700,143	700,143	700,143	700,143	700,143	700,143	700,143	700,143	700,143	700,143	700,143	700,143	8,401,716
<b>Storage Demand</b>													
ANR FSS	117,465	117,465	117,465	117,465	117,465	117,465	117,465	117,465	117,465	117,465	117,465	117,465	1,409,580
Dom GSS	12,417	12,417	12,417	12,417	12,417	12,417	12,417	12,417	12,417	12,417	12,417	12,417	148,808
Dom GSS TE	11,175	11,175	11,175	11,175	11,175	11,175	11,175	11,175	11,175	11,175	11,175	11,175	134,106
Transco GSS	5,451	5,451	5,451	5,451	5,451	5,451	5,451	5,451	5,451	5,451	5,451	5,451	64,269
Transco SS-2	64,353	64,353	64,353	64,353	64,353	64,353	64,353	64,353	64,353	64,353	64,353	64,353	772,243
Egan FSS	0	0	0	0	0	0	0	0	0	0	0	0	0
TCC FSS	172,088	172,088	172,088	172,088	172,088	172,088	172,088	172,088	172,088	172,088	172,088	172,088	2,065,056
<b>Storage Capacity</b>													
ANR FSS	92,867	92,867	92,867	92,867	92,867	92,867	92,867	92,867	92,867	92,867	92,867	92,867	1,114,404
Dom GSS	9,867	9,867	9,867	9,867	9,867	9,867	9,867	9,867	9,867	9,867	9,867	9,867	118,408
Dom GSS TE	13,647	13,647	13,647	13,647	13,647	13,647	13,647	13,647	13,647	13,647	13,647	13,647	163,768
Transco GSS	1,678	1,678	1,678	1,678	1,678	1,678	1,678	1,678	1,678	1,678	1,678	1,678	19,511
Transco SS-2	23,223	23,223	23,223	23,223	23,223	23,223	23,223	23,223	23,223	23,223	23,223	23,223	279,873
Egan FSS	110,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000	1,320,000
TCC FSS	180,088	180,088	180,088	180,088	180,088	180,088	180,088	180,088	180,088	180,088	180,088	180,088	2,161,056
<b>Transactions</b>													
Transco Sewer FT	120,003	120,003	112,261	120,003	118,132	120,003	118,132	120,003	120,003	118,132	120,003	118,132	1,416,818
Columbe FTS	628,713	628,713	628,713	628,713	628,713	628,713	628,713	628,713	628,713	628,713	628,713	628,713	7,544,558
Columbe NTS	123,330	123,330	123,330	123,330	123,330	123,330	123,330	123,330	123,330	123,330	123,330	123,330	1,478,988
Columbe SST	750,034	750,034	750,034	750,034	750,034	750,034	750,034	750,034	750,034	750,034	750,034	750,034	8,970,294
Columbe GULF FTS-1	0	0	0	0	0	0	0	0	0	0	0	0	0
Transco Essam COS	1,071,988	1,071,988	1,071,988	1,071,988	1,071,988	1,071,988	1,071,988	1,071,988	1,071,988	1,071,988	1,071,988	1,071,988	12,863,861
Transco Essam FT-1	986,854	986,854	986,854	986,854	986,854	986,854	986,854	986,854	986,854	986,854	986,854	986,854	11,844,253
Transco Essam FT-1 M3	453,885	453,885	453,885	453,885	453,885	453,885	453,885	453,885	453,885	453,885	453,885	453,885	5,446,620
Transco Essam LUF	22,812	22,812	22,812	22,812	22,812	22,812	22,812	22,812	22,812	22,812	22,812	22,812	273,742
Transco Essam FLEX-X	41,756	41,756	41,756	41,756	41,756	41,756	41,756	41,756	41,756	41,756	41,756	41,756	501,073
Transco Essam FTS-7	38,867	38,867	38,867	38,867	38,867	38,867	38,867	38,867	38,867	38,867	38,867	38,867	466,408
Transco Essam FTS-6	34,528	34,528	34,528	34,528	34,528	34,528	34,528	34,528	34,528	34,528	34,528	34,528	414,941
Transco PS-FT	36,666	36,666	36,666	36,666	36,666	36,666	36,666	36,666	36,666	36,666	36,666	36,666	440,399
Transco FT	105,929	105,929	98,095	105,929	102,512	105,929	102,512	105,929	105,929	102,512	105,929	102,512	1,230,844
Transco FTF	82,368	82,368	82,368	82,368	82,368	82,368	82,368	82,368	82,368	82,368	82,368	82,368	988,427
ANR FTS-1: FT SW TETCO	118,325	118,325	118,325	118,325	118,325	118,325	118,325	118,325	118,325	118,325	118,325	118,325	1,420,507
ANR FTS-1: FT SE TETCO	94,800	94,800	94,800	94,800	94,800	94,800	94,800	94,800	94,800	94,800	94,800	94,800	1,137,600
ANR FTS-1: FT SW TETCO	184,324	184,324	184,324	184,324	184,324	184,324	184,324	184,324	184,324	184,324	184,324	184,324	2,212,896
ANR FTS-1: FT SE TETCO	60,508	60,508	60,508	60,508	60,508	60,508	60,508	60,508	60,508	60,508	60,508	60,508	726,106
ANR FTS-1: CW to Storage	0	0	0	0	0	0	0	0	0	0	0	0	0
ANR FSS Storage Del - COL	30,738	30,738	30,738	30,738	30,738	30,738	30,738	30,738	30,738	30,738	30,738	30,738	368,856
ANR FSS Storage Del - TETCO	126,900	126,900	126,900	126,900	126,900	126,900	126,900	126,900	126,900	126,900	126,900	126,900	1,522,800
ANR FSS Storage Del - TETCO LLFT	74,840	74,840	74,840	74,840	74,840	74,840	74,840	74,840	74,840	74,840	74,840	74,840	898,080
Citythane FT	7,779	10,228	8,831	9,817	6,742	5,441	4,543	4,861	4,585	4,014	5,110	4,879	58,239
UGI Central Plant Gas	42,800	42,800	42,800	42,800	42,800	42,800	42,800	42,800	42,800	42,800	42,800	42,800	513,600
<b>SUBTOTAL</b>													
	16,634,886	16,796,287	13,768,348	13,714,818	6,944,888	5,968,406	5,968,406	6,868,428	6,968,428	6,968,428	6,348,888	16,842,227	118,882,520
(Non-Choice Cap Ret/Sharing Mech Credit)	(383,878)	(837,713)	(784,868)	(377,318)	(388,820)	(441,877)	(387,141)	(626,881)	(684,768)	(583,730)	(438,868)	(600,713)	(6,307,324)
(Choice Capacity Assignment Credits)	(3,834,382)	(2,834,812)	(3,306,063)	(3,306,813)	(1,373,118)	(1,373,118)	(1,373,118)	(1,373,118)	(1,373,118)	(1,373,118)	(1,373,118)	(1,373,118)	(17,308,888)
(P Credits)	(803,818)	(867,337)	(818,812)	(783,813)	(861,878)	(823,878)	(823,878)	(823,878)	(823,878)	(823,878)	(823,878)	(823,878)	(10,000,000)
(Supplement P Credits)	(80,000)	(80,000)	(80,000)	(80,000)	(80,000)	(80,000)	(80,000)	(80,000)	(80,000)	(80,000)	(80,000)	(80,000)	(960,000)
(Stat Mgt Tools)	811	811	811	811	811	811	811	811	811	811	811	811	9,732
Total Demand Cost	14,353,308	14,007,217	6,716,027	6,996,186	3,844,332	3,847,174	3,755,018	3,512,863	3,568,131	3,322,014	3,745,030	10,776,707	74,625,133

UGI UTILITIES INC. - GAS UTILITIES DIVISION  
PROJECTED PURCHASE GAS COSTS IN (\$) UNDER NORMAL WEATHER  
12 MONTH PERIOD - DECEMBER THROUGH NOVEMBER  
COMMODITY

	Dec-16	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	TOTAL
<b>Supply Cost</b>													
Trigger Flex	0	0	0	0	0	0	0	0	0	0	0	0	0
Trigger Laid	0	0	0	0	0	0	0	0	0	0	0	0	0
MoTheocoCall	0	0	122,596	0	0	0	0	0	0	0	0	0	122,596
Trigger Toop	154,575	154,575	0	0	0	0	0	0	0	0	0	0	309,150
Spot AMR SE	435,809	0	0	0	0	0	0	0	0	0	0	0	435,809
Spot M2	5,968,930	6,105,354	5,961,299	4,405,299	2,679,719	1,062,922	414,113	55,967	133,879	170,419	1,964,273	4,547,446	23,505,888
Spot Omid Supply	899,850	749,340	79,465	0	0	0	0	0	0	0	0	0	1,814,465
Spot Laidy	1,446,062	1,585,963	1,485,320	1,562,901	1,141,762	1,040,228	969,599	1,130,874	1,046,442	931,885	1,058,311	1,567,885	14,868,473
Spot TOOProd	165,209	1,467,834	0	0	0	0	0	0	0	0	0	0	1,633,043
Gas Beyond M	105,955	186,186	145,634	132,000	49,742	70,286	6,816	6,967	10,612	10,865	12,180	58,747	776,398
Asset Management Refill	0	0	0	0	3,679,083	3,617,036	3,630,700	3,554,179	3,502,264	3,192,060	3,257,584	0	24,623,716
<b>Injection Cost</b>													
ANR FSS	0	0	0	0	5,004	5,004	5,004	5,004	5,004	5,004	5,004	0	35,032
Dom GSS	0	0	0	0	3,029	3,029	3,029	3,029	3,029	3,029	3,029	0	21,203
Dom GSS TE	0	0	0	0	3,592	3,592	3,592	3,592	3,592	3,592	3,592	0	28,141
Tranaco GSS	0	0	0	0	848	929	968	931	781	756	748	0	8,869
Tranaco SS-2	0	0	0	0	2,539	4,899	4,187	3,808	4,082	3,554	2,539	0	23,208
Egan FSS	0	0	0	0	0	0	0	0	0	0	0	0	0
TCO FSS	0	0	0	0	11,374	11,374	11,374	11,374	11,374	11,374	11,374	0	79,819
<b>Intermodal Cost</b>													
ANR FSS	7,356	9,808	7,708	5,284	0	0	0	0	0	0	0	4,554	34,878
Dom GSS	2,984	3,256	2,880	2,462	0	0	0	0	0	0	0	0	12,900
Dom GSS TE	3,580	4,092	3,236	3,560	0	0	0	0	0	0	0	2,900	17,360
Tranaco GSS	0	1,961	1,621	800	0	0	0	0	0	0	0	0	4,402
Tranaco SS-2	6,272	7,122	6,318	5,590	0	0	0	0	0	0	0	0	25,271
Egan FSS	0	0	0	0	0	0	0	0	0	0	0	0	0
TCO FSS	13,772	23,816	22,961	17,821	0	0	0	0	0	0	0	0	78,373
<b>Transmission Cost</b>													
ANR FSS-TCO	1,888	1,888	1,590	1,885	0	0	0	0	0	0	0	1,614	8,176
ANR FSS-TEL	4,380	6,413	4,769	2,992	0	0	0	0	0	0	0	2,138	20,390
ANR SE-Egan	2,117	0	0	0	0	0	0	0	0	0	0	0	2,117
ANR SE-TCO	0	0	1,330	719	0	0	0	0	0	0	0	0	2,049
ANR SW-Telco	0	0	0	0	0	0	207	0	0	0	0	0	207
FTS-8 FT	232	253	224	181	33	0	0	0	0	0	0	0	833
FTS-7 FT	223	255	202	223	0	0	0	0	0	0	0	161	1,066
Leach FTS	1,311	7,347	0	0	0	0	225	0	0	0	0	0	8,882
Lab FTS	3,584	5,012	3,831	3,355	0	0	88	0	0	0	0	2,428	18,289
Lab HTS	910	2,036	825	852	0	0	102	0	0	0	0	468	4,912
LL M1-M3 CDS	0	0	0	0	0	0	2,239	0	0	0	0	0	2,239
M2-M3 CDS	22,940	22,940	21,460	20,720	22,200	22,872	6,558	2,204	5,407	7,442	22,940	22,200	186,910
M2-M3 FT	214,406	214,406	203,574	136,017	79,585	23,310	6,884	0	192	239	59,563	139,319	1,079,334
RV FT	0	0	0	0	0	0	0	0	0	0	0	0	0
SST	17,133	29,755	28,568	22,296	0	0	0	0	0	0	0	0	97,748
Tranaco FTF	5,363	5,363	5,017	5,363	5,190	5,363	5,190	5,363	5,363	5,190	5,363	5,190	63,216
<b>Subtotal Cost</b>	<b>8,283,064</b>	<b>10,602,444</b>	<b>9,127,377</b>	<b>6,822,791</b>	<b>7,684,796</b>	<b>8,900,864</b>	<b>6,102,826</b>	<b>4,782,881</b>	<b>4,731,419</b>	<b>4,348,228</b>	<b>6,293,619</b>	<b>6,384,892</b>	<b>76,623,121</b>
<b>Injected Value</b>	<b>437,825</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5,833,237</b>	<b>3,886,766</b>	<b>3,947,336</b>	<b>3,790,572</b>	<b>3,719,343</b>	<b>3,366,368</b>	<b>3,338,971</b>	<b>0</b>	<b>28,224,887</b>
<b>Unrecovered Value</b>	<b>4,845,239</b>	<b>6,801,344</b>	<b>6,338,650</b>	<b>4,877,480</b>	<b>82,866</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,376,295</b>	<b>94,091,022</b>
<b>Contract Bundled Sale Credit</b>	<b>(1,377,470)</b>	<b>(1,637,817)</b>	<b>(1,291,971)</b>	<b>(1,161,431)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>(831,234)</b>	<b>(6,186,834)</b>
<b>Options Credit</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Cost</b>	<b>(2,009,386)</b>	<b>13,967,272</b>	<b>13,164,968</b>	<b>10,048,798</b>	<b>3,904,088</b>	<b>2,021,076</b>	<b>1,238,491</b>	<b>1,022,409</b>	<b>1,018,079</b>	<b>960,633</b>	<b>2,966,446</b>	<b>6,543,658</b>	<b>71,289,962</b>

**UGI Utilities, Inc. - Gas Division**  
**Computation of the Experienced Cost Factor: E**  
**For the 2015 PGC Year**

Schedule C  
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Effective December 1, 2015  
Computation Year Ending November 30, 2016

<u>SUPPLIER REFUND CREDITS</u>			<u>PGC 1</u>	<u>PGC 2</u>
Prior	( Amortized Balance at November 30, 2015)	Schedule C, Page 2	\$ (160,768)	\$ (89)
Current	( Twelve Months Ended November 30, 2015)	Schedule C, Page 3	571,331	4,827
Interest	( Twelve Months Ended November 30, 2015)	Schedule C, Page 3	50,296	391
<u>OVER / (UNDER) COLLECTION</u>				
Prior	( Amortized Balance at November 30, 2015)	Schedule C, Page 4	(1,284,836)	(9,822)
Current	( Twelve Months Ended November 30, 2015)	Schedule C, Page 7	1,423,934	149
Interest	( Twelve Months Ended November 30, 2015)	Schedule C, Page 7	<u>1,315,954</u>	<u>231</u>
<b>TOTAL E</b>			<u>\$ 1,915,911</u>	<u>\$ (4,312)</u>
<b>TOTAL S (Mcf) 1/</b>			31,437,680	24,015
<b><u>E/S Refund / (Collection) \$/Mcf:</u></b>			<u>\$ 0.0609</u>	<u>\$ (0.1796)</u>

1/ The Total Sales include a projection of 850,000 Mcf for projected Migration Rider volumes.



**UGI Utilities, Inc. - Gas Division**  
**Prior Supplier Refund Credit Balance: 1/**  
**To Be Included In the 2015 PGC Experienced Cost Factor**

Month	Year	Beginning Balance	Refunded	Ending Balance
March	2014	\$ 922,234	\$ 289,568	\$ 632,666
April	2014	\$ 632,666	\$ 171,808	\$ 460,858
May	2014	\$ 460,858	\$ 78,271	\$ 382,587
June	2014	\$ 382,587	\$ 38,045	\$ 344,542
July	2014	\$ 344,542	\$ 31,146	\$ 313,396
August	2014	\$ 313,396	\$ 30,174	\$ 283,222
September	2014	\$ 283,222	\$ 31,396	\$ 251,826
October	2014	\$ 251,826	\$ 42,881	\$ 208,945
November	2014	\$ 208,945	\$ 113,218	\$ 95,727
December	2014	\$ 707,343	\$ 176,559	\$ 530,784
January	2015	\$ 530,784	\$ 140,037	\$ 390,747
February	2015	\$ 390,747	\$ 154,799	\$ 235,948
March	2015	\$ 235,948	\$ 155,346	\$ 80,602
April	2015 est.	\$ 80,602	\$ 67,123	\$ 13,479
May	2015 est.	\$ 13,479	\$ 32,296	\$ (18,817)
June	2015 est.	\$ (18,817)	\$ 20,369	\$ (39,186)
July	2015 est.	\$ (39,186)	\$ 14,358	\$ (53,544)
August	2015 est.	\$ (53,544)	\$ 12,854	\$ (66,398)
September	2015 est.	\$ (66,398)	\$ 13,577	\$ (79,974)
October	2015 est.	\$ (79,974)	\$ 24,963	\$ (104,937)
November	2015 est.	\$ (104,937)	\$ 55,920	\$ (160,857)

1/ Including Interest

**UGI Utilities, Inc. - Gas Division**  
**List of Current Supplier Refunds**  
**To Be Included In the 2015 PGC Experienced Cost Factor**

Supplier	Amount	Date Rec'd	Rate	Interest Weight	\$
Transco	\$ 72	Oct-14	6	20	\$ 7
Columbia	\$ 427,258	Dec-14	6	18	\$ 38,453
Unauthorized Overrun \$	\$ 20,281	Dec-14	6	18	\$ 1,825
Unauthorized Overrun \$	\$ 23,447	Jan-15	6	17	\$ 1,993
Unauthorized Overrun \$	\$ 105,100	Feb-15	6	16	\$ 8,408
<b>Total</b>	<b>\$ 576,158</b>				<b>\$ 50,687</b>

**UGI Utilities, Inc. - Gas Division**  
**Prior Over / (Under) Collection Balance: 1/**  
**To Be Included In the 2015 PGC Experienced Cost Factor**

Month	Year	Beginning Balance	Recovered	Ending Balance
March	2014	\$ 12,585,689	\$ 2,108,297	\$ 10,477,392
April	2014	\$ 10,477,392	\$ 1,250,884	\$ 9,226,508
May	2014	\$ 9,226,508	\$ 544,234	\$ 8,682,274
June	2014	\$ 8,682,274	\$ 376,559	\$ 8,305,715
July	2014	\$ 8,305,715	\$ 380,162	\$ 7,925,553
August	2014	\$ 7,925,553	\$ 367,422	\$ 7,558,131
September	2014	\$ 7,558,131	\$ 381,157	\$ 7,176,974
October	2014	\$ 7,176,974	\$ 525,019	\$ 6,651,955
November	2014	\$ 6,651,955	\$ 1,442,935	\$ 5,209,020
December	2014	\$ 21,023,375	\$ 2,641,335	\$ 18,382,040
January	2015	\$ 18,382,040	\$ 2,731,070	\$ 15,650,970
February	2015	\$ 15,650,970	\$ 3,071,884	\$ 12,579,086
March	2015	\$ 12,579,086	\$ 4,070,451	\$ 8,508,635
April	2015 est.	\$ 8,508,635	\$ 1,965,609	\$ 6,543,026
May	2015 est.	\$ 6,543,026	\$ 966,298	\$ 5,576,728
June	2015 est.	\$ 5,576,728	\$ 619,777	\$ 4,956,951
July	2015 est.	\$ 4,956,951	\$ 445,699	\$ 4,511,252
August	2015 est.	\$ 4,511,252	\$ 400,870	\$ 4,110,382
September	2015 est.	\$ 4,110,382	\$ 426,453	\$ 3,683,929
October	2015 est.	\$ 3,683,929	\$ 752,557	\$ 2,931,373
November	2015 est.	\$ 2,931,373	\$ 1,636,715	\$ 1,294,658

1/ Including Interest & Migration Rider

UGI Utilities, Inc. - Gas Division  
DEVELOPMENT OF THE CURRENT OVER/(UNDER) COLLECTION  
FOR THE PERIOD ENDING: NOVEMBER 30, 2015

Schedule C  
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	SALES - Mtd	BASE RATE	REVENUE	COST	OVER/ (UNDER) COLLECTION	RATE %	INTEREST WEIGHT	INTEREST
Apr-14	3,166,840		\$ 16,238,570	\$ 11,858,050	\$ 5,380,520			\$ 598,615
PGC1	3,153,045	5.7791	\$ 16,221,893	\$ 11,843,575	\$ 6,378,318	8%	14	\$ 595,310
PGC2	3,595	4.8389	\$ 16,677	\$ 14,475	\$ 2,202	8%	14	\$ 206
May-14	1,440,287		\$ 8,323,443	\$ 7,050,348	\$ 1,273,097			\$ 108,784
PGC1	1,438,623	5.7817	\$ 8,317,674	\$ 7,087,039	\$ 1,230,635	8%	13	\$ 108,655
PGC2	1,974	4.8410	\$ 7,769	\$ 6,507	\$ 1,262	8%	13	\$ 109
Jun-14	693,749		\$ 4,086,749	\$ 4,730,950	\$ (674,201)			\$ (53,938)
PGC1	692,726	5.8492	\$ 4,051,925	\$ 4,726,973	\$ (675,048)	8%	12	\$ (54,004)
PGC2	1,023	4.7155	\$ 4,824	\$ 3,977	\$ 847	8%	12	\$ 68
Jul-14	568,635		\$ 3,348,190	\$ 5,833,158	\$ (2,204,968)			\$ (167,566)
PGC1	565,337	5.9114	\$ 3,341,957	\$ 5,828,078	\$ (2,288,121)	8%	11	\$ (167,649)
PGC2	1,298	4.7789	\$ 6,233	\$ 5,078	\$ 1,155	8%	11	\$ 62
Aug-14	561,217		\$ 3,256,056	\$ 5,015,913	\$ (1,759,858)			\$ (117,324)
PGC1	560,059	5.9114	\$ 3,250,521	\$ 5,011,375	\$ (1,780,854)	8%	10	\$ (117,390)
PGC2	1,158	4.7789	\$ 5,534	\$ 4,538	\$ 996	8%	10	\$ 65
Sep-14	587,989		\$ 3,353,939	\$ 5,316,893	\$ (1,962,914)			\$ (117,770)
PGC1	586,557	5.8959	\$ 3,347,096	\$ 5,311,030	\$ (1,963,934)	8%	9	\$ (117,836)
PGC2	1,432	4.7789	\$ 6,843	\$ 5,863	\$ 1,020	8%	9	\$ 61
Oct-14	786,710		\$ 4,636,788	\$ 6,339,072	\$ (1,402,284)			\$ (74,768)
PGC1	784,468	5.8959	\$ 4,630,805	\$ 6,334,003	\$ (1,403,198)	8%	8	\$ (74,837)
PGC2	1,252	4.7789	\$ 5,983	\$ 5,069	\$ 914	8%	8	\$ 49
Nov-14	2,090,663		\$ 12,329,203	\$ 23,945,290	\$ (11,616,087)			\$ (537,418)
PGC1	2,087,682	5.8959	\$ 12,316,000	\$ 23,935,252	\$ (11,620,252)	8%	7	\$ (537,812)
PGC2	2,971	4.7789	\$ 14,203	\$ 10,008	\$ 4,195	8%	7	\$ 198

UGI Utilities, Inc. - Gas Division  
DEVELOPMENT OF THE CURRENT OVER/(UNDER) COLLECTION  
FOR THE PERIOD ENDING: NOVEMBER 30, 2015

Schedule C  
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	SALES - Mcf	BASE RATE	REVENUE	COST	OVER/ (UNDER) COLLECTION	RATE %	INTEREST WEIGHT	INTEREST
Dec-14	4,614,559		\$ 26,316,864	\$ 25,927,997	\$ 388,867			\$ 46,664
PGC1	4,610,651	5.7003	26,281,994	\$ 25,867,297	\$ 414,697	8%	18	\$ 49,764
PGC2	2,563	4.8865	12,524	\$ 12,786	\$ (262)	8%	18	\$ (31)
PGCGBM	1,345	16.6141	\$ 22,346	\$ 47,914	\$ (25,568)	8%	18	\$ (3,068)
Jan-15	5,815,283		\$ 32,136,146	\$ 31,057,321	\$ 1,078,825			\$ 122,267
PGC1	5,811,316	5.5275	32,122,050	\$ 30,946,653	\$ 1,175,397	8%	17	\$ 133,212
PGC2	4,410	4.8889	21,560	\$ 22,089	\$ (529)	8%	17	\$ (60)
PGCGBM	(443)	16.8488	\$ (7,464)	\$ 88,579	\$ (96,043)	8%	17	\$ (10,885)
Feb-15	6,444,489		\$ 35,584,214	\$ 31,161,186	\$ 4,423,028			\$ 471,790
PGC1	6,441,600	5.5219	35,570,095	\$ 31,025,946	\$ 4,544,149	8%	16	\$ 484,709
PGC2	2,889	4.8872	14,119	\$ 12,916	\$ 1,203	8%	16	\$ 128
PGCGBM	0	0.0000	\$ -	\$ 122,324	\$ (122,324)	8%	16	\$ (13,048)
Mar-15	6,434,931		\$ 33,309,056	\$ 20,892,520	\$ 12,616,536			\$ 1,261,654
PGC1	6,428,294	5.1769	33,278,523	\$ 20,462,477	\$ 12,816,046	8%	15	\$ 1,281,605
PGC2	6,637	4.6004	30,533	\$ 27,098	\$ 3,435	8%	15	\$ 344
PGCGBM	0	0.0000	\$ -	\$ 202,945	\$ (202,945)	8%	15	\$ (20,295)
<u>PGC Total</u>	<u>33,162,162</u>		<u>\$ 184,891,187</u>	<u>\$ 178,371,824</u>	<u>\$ 6,519,363</u>			

UGI Utilities, Inc. - Gas Division  
DEVELOPMENT OF THE CURRENT OVER/(UNDER) COLLECTION  
FOR THE PERIOD ENDING: NOVEMBER 30, 2015

Schedule C  
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	SALES - Mcf	BASE RATE	REVENUE	COST	OVER/ (UNDER) COLLECTION	RATE %	INTEREST WEIGHT	INTEREST
Apr-15 est	2,734,129		\$ 13,732,649	\$ 8,178,058	\$ 5,554,591			\$ 388,821
PGC1	2,700,061	4.8831	\$ 13,184,688	\$ 8,110,980	\$ 5,073,698	6%	14	\$ 355,158
PGC2	4,420	4.2454	\$ 18,765	\$ 18,239	\$ 526	6%	14	\$ 37
PGCGBM	29,648	17.8500	\$ 529,217	\$ 48,839	\$ 480,378	6%	14	\$ 33,626
May-15 est	1,315,538		\$ 6,499,549	\$ 5,268,002	\$ 233,547			\$ 15,181
PGC1	1,309,047	4.8831	\$ 6,392,207	\$ 5,191,018	\$ 201,190	6%	13	\$ 13,077
PGC2	1,449	4.2454	\$ 6,152	\$ 5,829	\$ 322	6%	13	\$ 21
PGCGBM	5,042	20.0694	\$ 101,190	\$ 69,155	\$ 32,035	6%	13	\$ 2,582
Jun-15 est	829,875		\$ 3,593,082	\$ 5,616,247	\$ (2,023,165)			\$ (121,389)
PGC1	827,781	4.3219	\$ 3,577,500	\$ 5,602,407	\$ (2,024,907)	6%	12	\$ (121,494)
PGC2	1,284	3.6877	\$ 4,735	\$ 5,186	\$ (431)	6%	12	\$ (25)
PGCGBM	830	17.2333	\$ 10,857	\$ 8,874	\$ 2,183	6%	12	\$ 131
Jul-15 est	584,858		\$ 2,443,854	\$ 5,404,331	\$ (2,960,477)			\$ (182,826)
PGC1	582,900	4.1715	\$ 2,431,567	\$ 5,391,600	\$ (2,960,033)	6%	11	\$ (182,802)
PGC2	1,462	3.5338	\$ 5,168	\$ 5,882	\$ (715)	6%	11	\$ (39)
PGCGBM	496	14.3548	\$ 7,120	\$ 6,849	\$ 271	6%	11	\$ 15
Aug-15 est	523,569		\$ 2,190,424	\$ 5,368,827	\$ (3,178,503)			\$ (158,825)
PGC1	521,480	4.1715	\$ 2,175,270	\$ 5,351,435	\$ (3,176,164)	6%	10	\$ (158,608)
PGC2	1,398	3.5338	\$ 4,940	\$ 5,624	\$ (684)	6%	10	\$ (34)
PGCGBM	711	14.3643	\$ 10,213	\$ 9,868	\$ 345	6%	10	\$ 17
Sep-15 est	563,024		\$ 2,313,888	\$ 5,411,206	\$ (3,097,317)			\$ (139,379)
PGC1	550,911	4.1715	\$ 2,298,125	\$ 5,395,041	\$ (3,096,916)	6%	9	\$ (139,381)
PGC2	1,348	3.5338	\$ 4,764	\$ 5,423	\$ (659)	6%	9	\$ (30)
PGCGBM	765	14.3778	\$ 10,999	\$ 10,741	\$ 258	6%	9	\$ 12
Oct-15 est	1,016,824		\$ 4,248,904	\$ 7,298,317	\$ (3,018,413)			\$ (120,777)
PGC1	1,013,668	4.1715	\$ 4,228,508	\$ 7,247,027	\$ (3,018,518)	6%	8	\$ (120,741)
PGC2	2,306	3.5338	\$ 8,149	\$ 9,277	\$ (1,128)	6%	8	\$ (45)
PGCGBM	852	14.3744	\$ 12,247	\$ 12,013	\$ 234	6%	8	\$ 9
Nov-15 est	2,277,783		\$ 8,986,881	\$ 17,511,897	\$ (8,524,816)			\$ (298,369)
PGC1	2,138,818	4.1715	\$ 8,921,237	\$ 17,445,830	\$ (8,524,693)	6%	7	\$ (298,364)
PGC2	1,950	3.5338	\$ 6,891	\$ 7,820	\$ (929)	6%	7	\$ (33)
PGCGBM	4,089	14.3885	\$ 58,753	\$ 57,948	\$ 805	6%	7	\$ 28
<b>PGC TOTAL</b>	<b>33,144,662</b>		<b>171,356,520</b>	<b>169,861,808</b>	<b>1,494,712</b>			<b>1,304,811</b>
<b>PGC1 TOTAL</b>	<b>32,806,283</b>		<b>170,461,745</b>	<b>169,037,811</b>	<b>1,423,934</b>			<b>1,315,854</b>
<b>PGC2 TOTAL</b>	<b>32,116</b>		<b>138,297</b>	<b>138,148</b>	<b>149</b>			<b>231</b>
<b>PGCGBM TOTAL</b>	<b>43,135</b>		<b>755,478</b>	<b>685,849</b>	<b>69,629</b>			<b>(11,374)</b>

Schedule D  
Page 1 of 2

**UGI Utilities, Inc. - Gas Division  
Development of The Interruptible Revenue Credit (IRC) 1/  
For the 2015 PGC Year**

IRC – THROUGH NOVEMBER 30,2015 (Estimated)	\$	2,493,756
IRC – RETURNED THRU NOVEMBER 30,2015 (Estimated)	\$	2,151,178
IRC RECONCILED	\$	342,578
PROJECTED IRC: 12 MONTHS ENDING NOVEMBER 2016	\$	1,200,000
IRC TOTAL	\$	1,542,578
PGC SALES		30,666,231
<u>IRC RATE: (\$/MCF)</u>	\$	<u>0.0503</u>

1/ See p. 31 of Tariff Gas - Pa. P.U.C. No. 5.

Schedule D  
Page 2 of 2

**UGI Utilities, Inc. - Gas Division**  
**Actual Interruptible Revenue Credit (IRC)**  
**For the 2015 PGC Year**

MONTH	YEAR	IRC \$	MONTH	YEAR	IRC \$
December	2013	\$ 243,319	December	2014	\$ 146,269
January	2014	\$ 297,101	January	2015	\$ 87,776
February	2014	\$ 323,590	February	2015	\$ 96,844
March	2014	\$ 268,942	March	2015	\$ 96,781
April	2014	\$ 159,237			
May	2014	\$ 72,950			
June	2014	\$ 35,560			
July	2014	\$ 29,124			
August	2014	\$ 28,322			
September	2014	\$ 29,323			
October	2014	\$ 40,134			
November	2014	\$ 105,045			
<b><u>TOTAL</u></b>		<b><u>\$ 1,632,647</u></b>			



## TARIFF ADDENDA

**UGI UTILITIES, INC.**  
**GAS TARIFF**  
**INCLUDING THE GAS SERVICE TARIFF**  
**AND**  
**THE CHOICE SUPPLIER TARIFF**

Rates and Rules  
Governing the  
Furnishing of  
Gas Service and Choice Aggregation Service  
in the  
West Region East Region  
Including Territory Described on Pages 8 and 9

Issued: June 1, 2015

Effective for service rendered on and after  
December 1, 2015.

Issued By:

Paul J. Szykman  
Vice President – Rates and Government Relations  
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**NOTICE**

This tariff makes changes/increases/decreases in existing rules and regulations. (See Page 1.)

UGI UTILITIES, INC.

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**LIST OF CHANGES MADE BY THIS SUPPLEMENT**  
(Page Numbers Refer to Official Tariff)

Section 13, Pages 29 and 34

- The Natural Gas Supply Charges are increased.
- The PGC-1 Gas Cost Adjustment is decreased.
- The PGC-2 Gas Cost Adjustment is decreased.
- The PGC-1 Migration rider is decreased.
- The PGC-2 Migration Rider is decreased

Rider GPC –Gas Procurement Charge and Price to Compare, Page 38(a)

- Charges are increased and decreased as noted.

Rate R –General Services –Residential Page 65

- The Total Space Conditioning Discount is changed.

Rate N –General Services – Non Residential Page 71

- The Total Space Conditioning Discount is changed

Rate GBM – Gas Beyond the Mains, Page 74

- Language is added to the header to clarify the applicability of this Rate Schedule to Single Tank GBM service only.
- This Rate Scheduled is cancelled.

Rate GBM –Gas Beyond the Mains, Pages 74(a) and 75

- Language is added to the header to clarify the applicability of this Rate Schedule to Piped Propane GBM service only.
- The charge is decreased as noted and the applicable timeframe of such charge is changed.

Cover Page, UGI Utilities, Inc. Gas Choice Supplier Tariff

- Issuance and effective dates updated.

Section 7, Nomination Procedure, Page 139

- Peak Day allocation percentages updated, including Firm Commodity Supply Alternatives.
- Language clarified to reflect where bundled sale percentages are posted on UGI's Gas Management website for Choice Suppliers to reference.

Section 7, Nomination Procedure, Page 140

- Change to the bundled sale cash-in index price.
- Peak Day allocation percentages updated.

Rate AG, Aggregation Service, Page 149

- Change in the penalty rate for failure to deliver.

**RULES AND REGULATIONS (Continued)****13. SECTION 1307(f) PURCHASED GAS COSTS****13.1 Provisions for Recovery of Purchased Gas Costs**

The Purchased Gas Cost ("PGC"), or Natural Gas Supply Charge, shall be calculated separately for Rates BD and CIAC ("PGC-2") and for the other rate schedules to which it applies ("PGC-1").

Natural Gas Supply Charge:

(I)	PGC-1	\$ 4.6897 per Mcf
(I)	PGC-2	\$ 4.9185 per Mcf

Gas Cost Adjustment:

(D)	PGC-1	\$(0.0609) per Mcf
(D)	PGC-2	\$0.1796 per Mcf

The PGC shall equal the Natural Gas Supply Charge plus the Gas Cost Adjustment. The Gas Cost Adjustment (previously referred to as the E Factor) is equal to the net over or under collection of purchased gas costs for each applicable PGC Rate.

**13.2 Computation of Natural Gas Supply Charge**

PGC(1) purchased gas costs, per Mcf, shall be computed to four decimal places in accordance with the formulae set forth below:

For Rate Schedules R, GL, and N:

$$PGC1 = \left( \frac{C1}{S1} \right)$$

Effective December 1, 1993, for PGC(2) purchased gas costs shall be computed as follows:

For Rate Schedules BD and CIAC:

$$PGC2 = PGCC2 + PGCD2$$

$$PGCC2 = \left( \frac{CC2}{S2} \right)$$

(D) Indicates Decrease (I) Indicates Increase

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Rendered on and after  
December 1, 2015

**RULES AND REGULATIONS (Continued)****13. SECTION 1307(f) PURCHASED GAS COSTS (Continued)**

- 13.4 Filing with Pennsylvania Public Utility Commission; Audit; Rectification. Each year the Company shall file a statement which reconciles the total fuel revenue with the total fuel cost and explains any difference between incurred cost and allowed cost, consistent with the Company's least cost procurement policy. Charges under the above rate schedule are subject to upward or downward adjustment to correct prior period differences between actual fuel costs and the fuel costs reflected in rates allowed by the Commission.

Quarterly Adjustments

When making the December 1, March 1 and June 1 quarterly C-factor adjustments, the Company will refund or recover all actual and projected incremental over or under collections from December 1 through November 30 over remaining PGC year sales volumes. When making September 1 quarterly C-factor adjustments, the Company will refund or recover all actual and projected incremental over or under collections from December 1 through November 30 over sales volumes applicable to the six months of June through November. Any quarterly PGC rate change will be capped at 25% of the then-current PGC rate, with any amounts above this cap being brought forward for inclusion in the calculation of subsequent quarterly C-factor adjustments. When actual November data is reconciled with the projected November data used to establish PGC rates effective December 1, the resulting over or under collection amount shall be refunded or recovered in the Company's next quarterly filing over the applicable annual PGC sales volumes plus migration rider volumes.

- 13.5 Migration Rider. This Migration Rider provides for a method under Section 1307 (f) of the Public Utility Code for the recovery of the experienced net under / over collection of purchased gas costs from customers who shifted from PGC(1) or PGC(2) retail service to Delivery Service or service under Rates RT, NT and CT on or after December 1, 1998. Except for customers served under Rates RT, NT and CT, the Company may waive this rider for customers with competitive conditions.

The Migration Rider Rate for PGC(1) and PGC(2) shall equal the current Section 1307(f) rates less the C-Factors (projected cost of gas) as approved in the Company's most recent Section 1307(f) natural gas cost proceeding. All revenue recovered under this rider will be credited to the Company's Section 1307(f) mechanism. The recovery period for the experienced net over/(under) collection of purchased gas costs from a customer to whom this rider applies will be one year from the date on which a customer last shifted from retail service to delivery service.

Customers that have received transportation service from the Company for at least twelve consecutive months and that transfer to service under Rate R, GL, N, BD or CIAC shall not be charged the associated PGC Gas Cost Adjustment for a period of twelve months.

Applicable Surcharges	\$/MCF
(D) Customers Shifting from PGC-1	\$(0.0609)
(D) Customer Shifting from PGC-2	\$0.1796

(D) Indicates Decrease

Issued: June 1, 2015

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Rendered on and after  
December 1, 2015

UGI UTILITIES, INC.

**RULES AND REGULATIONS****13.B Rider GPC - GAS PROCUREMENT CHARGE****Applicability**

This non-reconcilable Rider shall be applied to rates for each Mcf (1,000 cubic feet) of gas supplied under Rate Schedules R, N, and CIAC of this Tariff, and shall be reflected in the Price to Compare. Effective April 3, 2013, Rider GPC shall be a volumetric charge as described below, and shall remain in effect until reviewed and updated in the Company's next base rate case.

Rider GPC, or Gas Procurement Charge ("GPC"), recovers costs associated with gas procurement that were unbundled from base rates in the Commission's Order at Docket No. R-2012-2314235. The GPC rate is calculated by dividing total unbundled gas procurement costs by the sales volumes for the 12 months ending September 30, 2012, for Rate R, N and CIAC customers as approved by the Public Utility Commission at Docket No. R-2012-2314235.

**Rider GPC Charge**

Rates: R, N and CIAC:

\$ 0.0400 per Mcf

The collection of the Rider GPC charges will be summarized by Rate Schedule sub-accounts in the Gas Operating Revenue FERC Account No. 480000 for Rate R and 481000 for Rates N and CIAC. The associated costs are recorded in FERC Accounts Nos. 920101, 920201, 920401, 920501, 921005, 923001, 923007, 926001 through 926027, 131000 through 176000 and 231000 through 245000.

**13.C PRICE TO COMPARE**

The Price to Compare ("PTC") is composed of the Natural Gas Supply Charge, Gas Cost Adjustment, Gas Procurement Charge and Merchant Function Charge. The PTC rate will change whenever any components of the PTC change. The current PTC rate is detailed below:

	<u>Price to Compare</u>	<u>Rate R / Ccf</u>	<u>Rate N / Mcf</u>	<u>Rate CIAC / Mcf</u>
(I)(I)(I) Natural Gas Supply Charge		\$ 0.468970	\$ 4.6897	\$ 4.9185
(D)(D)(D) Gas Cost Adjustment		\$(0.00609)	\$(0.0609)	\$ 0.1796
Gas Procurement Charge		\$ 0.00400	\$ 0.0400	\$ 0.0400
(D)(D)(D) Merchant Function Charge		<u>\$ 0.01014</u>	<u>\$ 0.0167</u>	<u>\$ 0.0184</u>
(D)(D)(D) Total Price to Compare		<u>\$ 0.47702</u>	<u>\$ 4.6855</u>	<u>\$ 5.1565</u>

(D) Indicates Decrease (I) Indicates Increase

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Rendered on and after  
December 1, 2015

UGI UTILITIES, INC.

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**RATE R (Continued)****GENERAL SERVICE - RESIDENTIAL**

Rider MFC, Rider GPC, the State Tax Surcharge, and the Surcharge for Recovery of Transition Costs and the Rider LISHP, as set forth in the Rules and Regulations apply to the above rates.

A late payment charge of 1-1/4% per month is due on all amounts unpaid after the due date.

**MINIMUM BILLS**

Customer Charge set forth above.

**TOTAL SPACE CONDITIONING OPTION**

- (C) For Customers who take service under Rate R and have associated gas cooling use billed under this option, the above rates shall be PGC(2) based and shall be increased by \$0.04693 per 100 cubic feet to reflect the associated gas cost. This option is available only to customers who: 1) utilize natural gas as the primary energy source for space conditioning requirements - heating and cooling, 2) utilize natural gas for water heating purposes, and 3) maintain one or more additional gas appliances (range, dryer, cooktop or oven.) The qualifying natural gas cooling unit must be installed and operational and be of a make/manufacture approved by the Company. Customers receiving service under this option agree to allow the company, at its option, to install load monitoring facilities.

**LOW INCOME SELF-HELP PROGRAM (LISHP)**

This Low Income Self-Help Program is available to a maximum of 10,000 customers.

(C) Indicates Change

Issued: June 1, 2015

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Effective for Service  
Rendered on and after  
December 1, 2015

UGI UTILITIES, INC.

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**RATE N (Continued)**

**GENERAL SERVICE - NON-RESIDENTIAL**

Plus, if Standby:

Customer Charge Surcharge: \$42.37 per Customer

Plus

Commodity Charge Surcharge: \$0.478 per MCF

Rate MFC, Rider GPC, the State Tax Surcharge, and the Surcharge for the Recovery of Transition Costs as set forth in the Rules and Regulations applies to the above rates.

**LATE PAYMENT CHARGE**

5% on all amounts unpaid after the due date, and an additional 1-1/2% per month for each month thereafter.

**MINIMUM BILLS**

Where gas is used for space heating or other use directly related to weather conditions and no gas is separately metered and billed to other Customers on the premises, the bill is 3% of the average monthly use during January, February, and March billing periods of each year, as estimated by the Company.

For all others, the Customer Charge set forth above.

**TOTAL SPACE CONDITIONING OPTION**

- (C) For customers who take service under Rate CIAC and have associated use billed under this option and maintain a load factor consistent with the average PGC(2) group, the above rates shall be PGC(2) based and shall be increased by \$0.4693 per Mcf to reflect the associated gas cost. This option is available only to customers who utilize natural gas as the primary energy source for space conditioning requirements. Annual load factors shall be reviewed at the end of the October billing period to determine customer eligibility for the following year. Customers receiving service under this option agree to allow the company, at its option, to install load monitoring facilities.

(C) Indicates Change

Issued: June 1, 2015

Effective for Service  
Rendered on and after  
December 1, 2015



UGI UTILITIES, INC.

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(C) **RATE GBM – GAS BEYOND THE MAINS (Single Tank Service)**

(C) This Rate Schedule is cancelled.

(C) Indicates Change

Issued: June 1, 2015

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Effective for Service  
Rendered on and after  
December 1, 2015

UGI UTILITIES, INC.

**(C) RATE GBM – GAS BEYOND THE MAINS (Piped Propane Service)****APPLICABILITY**

- (C)** This Rate is applicable to customers receiving Piped Propane service in accordance with the Commission's Final Order at Docket No. M-2008-2072850 entered on December 19, 2013.

**AVAILABILITY**

In accordance with the Commission's Final Order at Docket No. M-2008-2072850 entered on December 19, 2013, Rate GBM is available to (1) residential customers until UGI obtains authority from the Commission to abandon such service no later than December 31, 2015 or (2) small commercial customers until UGI obtains authority from the Commission to abandon such service no later than December 31, 2020, who are served by piped propane systems in existence as of December 19, 2013 ("Existing Propane Systems"), or through reasonable extensions of such Existing Propane Systems made consistent with the line extension provisions of this tariff.

**RATE**

The charges for natural gas distribution service for each billing period shall be equal to the current charges set forth in this tariff under the otherwise applicable rate schedule. In addition, Rate GBM customers receiving Piped Propane service shall pay a commodity rate calculated as follows:

Beginning August 1, 2014, an initial rate of \$21.4845 per Mcf (the "GBM Commodity Rate"). This GBM Commodity Rate (a) is designed to recover the full costs of propane acquired to provide GBM service without subsidies from non-GBM service customers, (b) shall be reconciled based on actual GBM commodity rate revenues rerecorded and actual propane costs incurred beginning December 1, 2014 and annually thereafter with any variations being recovered or refunded through a Gas Cost Adjustment (E-Factor) charge to the otherwise applicable commodity rate (the E-Factor effective December 1, 2014, shall be computed based on the ratio of GBM sales to total GBM and PGC1 sales for the twelve month period ending November 30, 2014), (c) shall be subject to quarterly adjustments, effective on one day's notice, effective March 1, June 1 and September 1. To the extent there is an over or under recovery of propane costs at the time Rate GBM service is ended, the balance shall be recovered or refunded from all Rate R, N and CIAC customers by inclusion in the subsequent PGC1 Gas Cost Adjustment charge calculation.

The current GBM rate for customers receiving Piped Propane service is:

- (C) (D)** December 1, 2015 through November 30, 2016 \$13.0894 per Mcf

GBM customers may elect to receive natural gas commodity service from an alternate natural gas supplier, but shall still be responsible for payment of the GBM Commodity rate less a credit equal to the current PGC 1 rate to reflect the displacement impact of the alternate natural gas supplier's delivery of associated natural gas into the Company's distribution system.

**(C)** Indicates Change **(D)** Indicates Decrease

Issued: June 1, 2015

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December 1, 2015

UGI UTILITIES, INC.

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(C)

**RATE GBM – GAS BEYOND THE MAINS (Piped Propane Service) (Continued)**

**ADDITIONAL SERVICE PROVISIONS**

1. The costs of converting a Customer's appliance to or from propane or natural gas service, unless otherwise agreed by Company, shall be paid by the customer.
2. The customer shall provide a suitable location for any required propane facilities as determined by UGI.
3. If propane service is requested by a developer for a planned or actual real estate development with multiple actual or potential service locations, the developer shall enter into an agreement with Company addressing the provision of suitable locations for required propane facilities, appliance conversion characteristics and responsibilities for use of propane distribution facilities.

(C) Indicates Change

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Issued: June 1, 2015

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December 1, 2015

**UGI UTILITIES, INC**  
**GAS CHOICE SUPPLIER TARIFF**

Rates and Rules  
Governing the  
Furnishing of  
Gas Aggregation Service

Issued: June 1, 2015

Effective for service rendered on and after  
December 1, 2015.

Issued By:

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**NOTICE**

This tariff makes changes in existing rules and regulations. (See Page 1.)

**RULES AND REGULATIONS (Continued)****7. NOMINATION PROCEDURE**

- 7.1 **Customer Choice Nomination Procedure.** The Nomination Procedure specifies requirements for nominating, scheduling, balancing, and communicating information relating to Choice Supplier's gas deliveries for customers served under Rates RT, NT and CT.
- 7.2 **Contact Persons.** A list of Company contact persons will be posted on the Company's Web Site, located at <http://www.ugi.com/gas/delivery>, or its successor, along with their department affiliation, telephone number, and fax number.
- 7.3 **Mandatory Assignment.** As used in this tariff the term "Firm Commodity Supply Alternative" shall mean a Company purchase of natural gas, delivered directly to its distribution system or at points along Company pipeline capacity routes (Commodity Delivery Points), constituting a component of Company's PGC supply portfolio and an alternative to pipeline capacity contracts upstream of the Commodity Delivery Points or other firm sources of PGC supply. Firm Commodity Supply Alternative contractual arrangements may require the payment of demand charges or minimum take requirements. Except as provided below, Choice supplier shall be required to accept releases of Company pipeline capacity combined with bundled city gate sales and, as applicable, peaking sales of gas from Company and sales of gas associated with Firm Commodity Supply Alternative arrangements, in accordance with the following:

- (C) A monthly release of interstate pipeline capacity or allocation of Firm Commodity Supply Alternative in an amount equal to forty-one percent (41%) of the PDDR of the Choice Customers served by the Choice Supplier during the month shall be released or allocated at a price equal to the projected weighted average demand cost of all PGC capacity, storage, peaking and Firm Commodity Supply Alternative assets, divided by .46.

UGI shall also provide Choice Suppliers with a must-take monthly bundled sale quantity ("MBSQ") during each winter month of November through March, and the Choice Supplier would be permitted to nominate and purchase gas at UGI city gates throughout each winter month, subject to the maximum daily quantity

- (C) ("MDQ") limits, up to the MBSQ. The MDQ equals twenty-six percent (26%) of the PDDR of the Choice Customers served by the Choice Supplier during the month multiplied by the percentage shown UGI's Gas Management website under the heading Maximum Daily Bundled Sale Percentages. The minimum daily quantity is zero. Choice Suppliers would be required to nominate to UGI a daily quantity for bundled sales no later than 8:45 A.M. Eastern Prevailing Time on each Intercontinental Exchange ("ICE") trading day for deliveries applicable to the ICE flow dates. If no nomination is received, the nomination quantity would default to zero. UGI reserves the right to issue operational flow orders ("OFO") that can modify the daily bundled sale flexibility or require certain levels of deliveries from the released firm transportation contracts. These OFOs would be issued for operational reasons only. MBSQs would be based on UGI's storage withdrawal plan, to be updated annually, and communicated as a percentage of each Choice Supplier's pre-month normalized delivery requirements, which will be shown on UGI's Gas Management website under the heading Must-Take Monthly Bundled Sale Percentages. If the full MBSQ is not nominated and purchased by the end of each such winter month, the shortfall ("Bundled Sale Cash-In quantity") would be purchased by the PGC ("Bundled Sale Cash-In amount") as follows:

(C) Indicates Change

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December 1, 2015

**RULES AND REGULATIONS (Continued)****7. NOMINATION PROCEDURE**

- (C) a. The DDR Variation Percentage is the sum of the actual DDRs experienced by a Choice Supplier divided by the sum of the pre-month average DDRs that was used to calculate the MBSQ, converted to a percentage. For any month where the DDR Variation Percentage is greater than ninety percent (90%), the Bundled Sale Cash-In amount would equal (1) the product of (a) 0.90 times the lowest absolute low for the Texas Eastern, M-2 receipts index price as published in *Platts' Gas Daily* for the applicable month of flow minus (b) the summer index price used for bundled sales (the "Bundled Sale Cash-In index") times (2) the Bundled Sale Cash-In quantity. If the resulting amount is positive, it would be credited to the Choice Supplier, or if negative, would be billed to the Choice Supplier.
- b. In recognition of the effects of extreme warm weather conditions, shortfall amounts would be purchased as follows under such conditions:
- (C) i. For any month where (a) the DDR Variation Percentage is less than or equal to ninety percent (90%) and (b) the Bundled Sale Cash-In quantity is less than or equal to the MBSQ minus the product of the DDR Variation Percentage times the MBSQ, then the Bundled Sale Cash-In amount would equal (1) the First of the Month Price called "Columbia Gas Transmission Corp., Appalachia" as published in *Platts' Gas Daily Price Guide ("Inside FERC")* for the month subsequent to the applicable month in which the Bundled Sale Cash-In quantity was created minus the summer index price used for bundled sales (the "Alternate Bundled Sale Cash-In Index") times (2) the Bundled Sale Cash-In quantity. If the resulting amount is positive, it would be credited to the Choice Supplier, or if negative, would be billed to the Choice Supplier.
- ii. For any month where (a) the DDR Variation Percentage is less than or equal to ninety percent (90%) and (b) the Bundled Sale Cash-In quantity is greater than the MBSQ minus the product of the DDR Variation Percentage times the MBSQ, then the Bundled Sale Cash-In amount would equal (1) the Alternate Bundled Sale Cash-In Index, as defined in Section 7.3.b.i, times the DDR Variation Percentage times the MBSQ plus (2) the Bundled Sale Cash-In Index, as defined in Section 7.3.a, times the difference of the Bundled Sale Cash-In quantity minus the product of the DDR Variation Percentage times the MBSQ. If the resulting amount is positive, it would be credited to the Choice Supplier, or if negative, would be billed to the Choice Supplier.

- (C) In addition to the bundled sales described above, Choice Suppliers shall be required to purchase from UGI a separate bundled sale on peak days ("Peaking Sale") equal to an amount up to thirty-three (33%) of the PDDR of the Choice Customers served by the Choice Supplier during the month. The Peaking Sale would be made on winter days when the Choice Supplier's DDR exceeds the sum of the released firm capacity and the MDQ associated with the bundled sale. The Peaking Sale quantity would be the difference of the Choice Supplier's DDR minus the sum of the released firm capacity and the MDQ associated with the bundled sale. The Peaking Sale price would be based on the commodity cost of UGI's peaking services. If weather conditions cause the Choice Supplier's DDR to exceed the Choice supplier's PDDR, the Choice Supplier would be responsible for arranging for supplies to meet the additional delivery requirements for its Choice Customers.

(C) Indicates Change

Issued: June 1, 2015

Effective for Service  
Rendered on and after  
December 1, 2015

UGI UTILITIES, INC.

**RATE AG (Continued)****AGGREGATION SERVICE**

Switching Fee: \$10 / Customer Switch (The first switch to Rates RT, NT or CT Shall be Free).

Rate AG Enrollment Fee: \$500.

Credit Check of Choice Supplier: \$250 / Credit Check.

(C) Failure to Deliver DDR: The difference in price between the highest published index price for Texas Eastern M-3 and the lowest published index price for Texas Eastern M-2, as published in *Platts' Gas Daily* on the table "Daily Price Survey," but shall not be lower than \$0.25, per Dth, applied to the difference between the DDR and the delivered volumes plus all incremental costs incurred by Company as a result of the failure to deliver the DDR.

The Company may not charge for delivering in excess of the DDR if the overdelivery is anticipated to benefit the distribution system's daily balancing position as determined by Company in its sole discretion.

Failure to Comply With an OFO or DFD: \$75 / Dth plus all incremental costs incurred by the Company as a result of the failure to comply with the OFO or DFD.

Pipeline Capacity: Choice Supplier shall pay directly to the pipeline the charges for any assigned capacity.

Peak Shaving Facilities: As defined below

**NOTICE**

A Choice Supplier must provide Company, or any Commission-authorized alternative Supplier of Last Resort and its Rate RT, NT or CT Customer(s) with ninety (90) days advance written notice of its intention to discontinue natural gas supply service to a Customer(s) for any reason. In the event a Choice Supplier discontinues service or exits the market before its contract for natural gas supply service to a Rate RT, NT or CT Customer expires and such Customer returns to its Supplier of Last Resort, Choice Supplier shall provide all contract billing data required by Company or other Commission-approved Supplier of Last Resort to render bills to Choice Supplier's customers for the period between Choice Supplier's default or exit from the market and the customer's next meter reading date.

**RIGHT OF FIRST REFUSAL**

Should any Choice Supplier stop serving Customers in its Aggregation Pool, the Choice Supplier shall:

Return any capacity originally released, assigned or transferred to it by Company and offer to assign, release or transfer any third party capacity it acquired to serve Rate RT, NT or CT Customers at the contract rate until such time as the Company is able to contract for, using reasonable efforts, operationally equivalent capacity, or if requested, assign, release or transfer the capacity to another Choice Supplier that has accepted the customers in the Choice Supplier's Aggregation Pool; and

(C) Indicates Change

Issued: June 1, 2015

Effective for Service  
Rendered on and after  
December 1, 2015

BEFORE THE  
PENNSYLVANIA PUBLIC UTILITY COMMISSION

PENNSYLVANIA PUBLIC  
UTILITY COMMISSION

v.

UGI UTILITIES, INC. – GAS DIVISION

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Docket No. R-2015-2480950

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DIRECT TESTIMONY  
OF  
WILLIAM J. McALLISTER

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UGI STATEMENT NO. 1

Dated: June 1, 2015



1 **Q. Please state your name and business address.**

2 A. My name is William J. McAllister, and my business address is UGI Utilities, Inc., 2525 N.  
3 12th Street, Reading, PA 19605.

4 **Q. By whom are you employed and in what capacity?**

5 A. I am employed by UGI Utilities, Inc. as a Principal Analyst – Rates.

6 **Q. What is your educational background?**

7 A. I graduated from Villanova University with a Bachelor of Science Degree in Mathematics. I  
8 have received certification in the Principles of Public Utility Operation and Management from  
9 Public Utilities Report, Inc. I have taken graduate level courses at the Pennsylvania State  
10 University at Harrisburg. I have also completed numerous industry-related training programs  
11 and seminars including the AGA Rate Course and the AGA Advanced Rate Course.

12 **Q. Please describe your professional experience.**

13 A. Upon graduation in 1974, I was employed as a Statistical Analyst with UGI's Gas Division.  
14 This position involved (1) various assignments relating to rate design and competitive  
15 analysis, (2) preparing related rate filings such as the monthly Fuel Cost Adjustment (FCA),  
16 the State Tax Surcharge (STAS), and (3) assisting in the preparation of general rate filings.  
17 In 1976, I was promoted to Rate Analyst. In 1980, I was promoted to the position of Senior  
18 Rate Analyst. In 2011, I was promoted to my current position of Principal Analyst. Since  
19 1985, I have been involved to a significant extent in the preparation of UGI's PGC tariff filings  
20 and related PGC computations. More recently, I prepared UGI's interim and quarterly PGC  
21 rate changes. Additionally, I developed UGI's Section 1307(a) filings to recover Take-or-Pay  
22 (TOP) costs, Transition Costs, and Education Costs. I also assisted in developing UGI's Low  
23 Income Self Help Program (LISHP) Rider that initially became effective December 2, 2005,  
24 and assisted in developing UGI's quarterly LISHP adjustments since then, including the

1 change implemented on June 1, 2010. Similarly, I have coordinated the development of the  
2 Universal Service Program (“USP”) Rider surcharges for both UGI Penn Natural Gas, Inc.  
3 (“PNG”) and UGI Central Penn Gas, Inc. (“CPG”). Most recently, I’ve assisted in Base Rate  
4 Case filings for PNG and CPG, the Merchant Function Charge and Purchase of Receivable  
5 filings for UGI and the development of the Energy Efficiency and Conservation Program for  
6 UGI’s Electric Division.

7 **Q. Have you previously testified before the Pennsylvania Public Utility Commission**  
8 **(“Commission”)?**

9 A. Yes. I have testified in each of UGI's PGC proceedings since 1988, in UGI's 1307(a)  
10 proceedings at Docket Nos. R-00943259 and R-00943063, and in the UGI Customer Choice  
11 proceeding at Docket No. R-00994786. I presented direct testimony in CPG's PGC  
12 proceedings at Docket Nos. R-2009-2105909, R-2010-2172922, R-2011-2238949, R-2012-  
13 2302219 and R-2013-2361774. I have presented testimony in the last five PNG PGC  
14 proceedings, as well as the Energy Efficiency and Conservation Plan proceedings for UGI's  
15 Electric Division at Docket Nos. M-2010-2210316 and M-2015-2477174. In addition, I  
16 recently presented testimony in both the PNG and CPG Long-Term Infrastructure  
17 Improvement Plan (“LTIIP”) and Distribution System Improvement Charge (“DSIC”)  
18 proceedings at Docket Nos. P-2013-2397056 and P-2013-2398835 respectively.

19 **Purpose of Testimony**

20 **Q. What is the purpose of your Direct Testimony?**

21 A. My testimony will address certain components of UGI Utilities, Inc. – Gas Division’s  
22 (“UGI’s” or the “Company’s”) 2015 PGC 1307(f) filing and will explain and support the  
23 development and computation of UGI's PGC rate proposed to be effective on December 1,  
24 2015. In addition, I will discuss the following items: (1) UGI’s Revenue Sharing Incentive

1 Mechanism, (2) UGI's Retainage Rate (as defined below), (3) UGI's compliance with terms  
2 of the Settlement Agreement from the 2014 1307(f) PGC proceeding at Docket No. R-2014-  
3 2420276, addressing the method for calculating PGC quarterly rate adjustments, and (4)  
4 UGI's Gas Beyond the Mains ("GBM") Program.

5 **Q. Which portions of the Company's 2015 PGC 1307(f) filing are you sponsoring?**

6 A. As shown in the Contents of Filing and Witness Index list, I am sponsoring Schedule A,  
7 Schedule B – Pages 1 and 2, Schedule C, Schedule D and the *pro forma* Tariff Addendum to  
8 Gas – Pa. P.U.C. No. 5, which have been submitted in accordance with Section 53.64(a) of  
9 the Commission's regulations at 52 Pa. Code. §53.64(a). Additionally, I am sponsoring the  
10 following sections of the preliminary supporting information filed on May 1, 2015 in this  
11 proceeding in accordance with Section 53.64(c) of the Commission's regulations: Sections 7,  
12 8, 10, 12, and related attachments, and the portion of Section 4 not supported by other  
13 witnesses in this proceeding.

14 **Q. Were these portions of the filing prepared by you or persons under your supervision or**  
15 **control?**

16 A. Yes.

17 **Q. Are they true and correct to best of your information and belief?**

18 A. Yes.

19 **Summary of Rate Proposal**

20 **Q. Please describe the Company's rate proposal in this proceeding.**

21 A. The Company is proposing a PGC-1 rate of \$4.6287 per Mcf for Rate Schedules R, N and GL,  
22 and a PGC-2 rate of \$5.0981 per Mcf for Rates Schedules BD and CIAC, effective December  
23 1, 2015. As discussed in more detail below, UGI will also be charging a separate PGC rate to

1 its Rate GBM - Gas Beyond the Mains customers to recover the costs of the propane used to  
2 serve these customers.

3 **Q. How does the proposed PGC-1 rate compare to the current PGC-1 rate?**

4 A. The current PGC-1 rate of \$4.8547 per Mcf became effective June 1, 2015 via tariff  
5 Supplement No. 121 to Gas – Pa. P.U.C. No. 5, which reflected a quarterly PGC rate decrease  
6 of \$0.7116 per Mcf, or 12.8%, from the PGC-1 rate that took effect March 1, 2015. The  
7 proposed PGC-1 rate of \$4.6287 per Mcf, effective December 1, 2015, will result in a PGC-  
8 1 rate decrease of \$0.2260 per Mcf, or 4.7%, compared to the rate that took effect June 1,  
9 2015.

10 **Q. How does the proposed PGC-2 rate compare to the current PGC-2 rate?**

11 A. The current average PGC-2 rate of \$4.8451 per Mcf became effective on June 1, 2015. The  
12 proposed average PGC-2 rate results in an increase of \$0.2530 per Mcf.

13 **Q. Why does UGI maintain separate PGC-1 and PGC-2 rates?**

14 A. UGI first implemented the PGC-2 rate in 1987 for Rate Schedule BD – Business Development  
15 to reflect a significant difference in the load factors of its sales customers. By implementing  
16 and maintaining a high load factor, firm contractual retail rate, UGI has been able to offer  
17 lower rates to its efficient high load factor customers who opt for firm retail service. This  
18 practice is consistent with the lower cost of serving high load factor customers and has allowed  
19 the Company to maintain and attract high load factor sales customers. The retention and  
20 attraction of these customers increases the Company's sales and improves its system load  
21 factor. This reduces the Company's unit cost of service. This directly benefits all of the  
22 Company's customers. In addition, by maintaining a PGC-2 rate, customers have a firm retail  
23 choice in addition to UGI's firm transportation rate schedules. In addition, I note that Rate R  
24 and N customers who also have natural gas air conditioning in addition to natural gas space

1 heating and water heating are effectively billed the PGC-2 rate due to the Total Space  
2 Conditioning Discount.

3 **Development of the PGC Rates**

4 **Q. Please summarize the major components that comprise the PGC rate.**

5 A. The basic PGC rate formula is  $(C-E)/S$ , where the “C-factor” or the Projected Cost of Gas  
6 component represents the projected cost of gas for the rate computation period beginning  
7 December 1, 2015 through November 30, 2016; the “E-factor” or the Experienced Cost Factor  
8 represents the experienced over/under collections due to variations between projected gas  
9 costs and actual gas costs as well as the variances between projected gas sales and actual gas  
10 sales; and the “S” or the Projected Sales component represents the projected Mcf of gas to be  
11 billed to customers during the effective computation period. UGI’s PGC rate is comprised of  
12 the Natural Gas Supply Charge and the Gas Cost Adjustment Charge, where the Natural Gas  
13 Supply Charge represents the Projected Cost of Gas per Mcf (C/S), and includes the  
14 Interruptible Revenue Credit (“IRC”). The Gas Cost Adjustment Charge represents the  
15 Experienced Cost per Mcf (-E/S).

16 **Q. Please summarize the PGC rate computation supporting schedules you prepared in this**  
17 **filing.**

18 A. Schedules A, B and C provide the detailed computation of UGI’s proposed 2015 PGC rates.

19 In particular:

- 20 • Schedule A is the PGC computation schedule showing, at a summary level, on Page  
21 1, the computation of the PGC-1 rate for Rate Schedules R – Residential Service, N –  
22 Non-Residential Service and GL – Gas Lighting Service, on Page 2, the computation  
23 of the PGC-2 rate for Rate Schedules BD and CIAC – Air Conditioning Service, and  
24 on Page 3, the computation of the PGC rate for Rate Schedule GBM.

- 1           • Schedule B, Pages 1 and 2, provide the development of the Projected Cost of Gas or  
2           C-factor and Projected Sales for the computation period beginning December 1, 2015  
3           through November 30, 2016.
- 4           • Schedule B, Pages 3 through 14, provide UGI's forecasted PGC supply portfolio by  
5           month.
- 6           • Schedule C, Page 1, provides the computation of the Experienced Cost Factor or E-  
7           factor, which is comprised of the current and prior Supplier Refunds and current and  
8           prior period over/under collections, including interest.
- 9           • Schedule C, Page 2, provides the remaining ending balance of the "prior" Supplier  
10          Refunds previously reflected in the prior year's PGC 1307(f) proceeding. The ending  
11          balance is included in the E-factor computation shown on Schedule C, Page 1.
- 12          • Schedule C, Page 3, provides a list of "current" Supplier Refunds, representing  
13          Supplier Refunds that have been received by the Company and identified in this year's  
14          1307(f) filing but not reflected in the prior year's 1307(f) proceeding, and the related  
15          interest component. Both the current Supplier Refunds and interest amount are  
16          included in the E-factor computation shown on Schedule C, Page 1.
- 17          • Schedule C, Page 4, provides the development of the prior under/over collection  
18          balance which is included in the E-factor computation shown on Schedule C, Page 1.
- 19          • Schedule C, Pages 5 and 6, provides the monthly and total under/over collections and  
20          interest computation for the Historic Period (defined below) ending March 31, 2015.
- 21          • Schedule C, Page 7, provides the projected under/over collections and interest  
22          computation on a month-by-month basis for the Interim Period (defined below), April  
23          1, 2015 through November 30, 2015. Schedule C, Page 7 also shows the current  
24          over/under collection and related interest amount over the PGC computation period

1 December 2014 through November 2015, each of which is included in the E-factor  
2 computation shown on Schedule C, Page 1.

3 • Schedule D, Pages 1 and 2, show the development of the IRC.

4 **Q. Please summarize the computation of the proposed PGC-1 rate for the twelve months**  
5 **beginning December 1, 2015.**

6 A. As shown on Schedule A, Page 1, the PGC-1 rate of \$4.6287 per Mcf is equal to the Projected  
7 Cost of Gas per Mcf (C1/S1), \$4.7400, plus the Experienced Cost of Gas per Mcf (-E1/S1),  
8 \$0.0609, plus the IRC of \$0.0503 per Mcf. The Projected Cost of Gas or C-factor (C1) of  
9 approximately \$145.0 MM is divided by Projected Sales (S1) of approximately 30.6 Bcf,  
10 resulting in the Projected Cost per Mcf (C1/S1) of \$4.7400. The Experienced Cost Factor or  
11 E-factor (E1) of \$1.9MM is divided by Total Sales, inclusive of Projected Sales and Migration  
12 Rider volumes of approximately 0.9 Bcf, resulting in the Experienced Cost per Mcf (-E1/S1)  
13 of \$0.0609. The IRC is developed on Schedule D, Page 1.

14 **Q. Please summarize the major changes to the various PGC-1 components.**

15 A. The proposed PGC-1 rate is a function of both the \$0.5685 per Mcf increase in the Projected  
16 Cost of Gas per Mcf (C1/S1) from the June 1, 2015 rate, as well as the \$0.7945 per Mcf  
17 decrease in the Experienced Cost per Mcf (-E1/S1) from the June 1, 2015 rate inclusive of the  
18 IRC reduction.

19 **Q. Please summarize the computation of the proposed PGC-2 rate for the twelve months**  
20 **beginning December 1, 2015.**

21 A. As shown on Schedule A, Page 2, the PGC-2 rate of \$5.0981 per Mcf is equal to the Projected  
22 Cost of Gas per Mcf (C2/S2), \$4.9688, plus the Experienced Cost of Gas per Mcf (-E2/S2),  
23 \$0.1796, plus the IRC of \$0.0503 per Mcf. The Projected Cost of Gas or C-factor (C2) of  
24 approximately \$119,326 is divided by Projected Sales (S2) of approximately 24,015 resulting

1 in a Projected Cost per Mcf (C2/S2) of \$4.9688. The Experienced Cost Factor or E-factor  
2 (E2) of \$4,312 is divided by Total Sales, resulting in an Experienced Cost per Mcf (-E2/S2)  
3 of \$0.1796. The IRC is developed on Schedule D, Page 1.

4 **Q. Please explain the development of the total Projected Cost of Gas, or C-factor, amount.**

5 A. The total Projected Cost of Gas (C) is shown on a month-by-month basis and in total for the  
6 twelve months period December 1, 2015 through November 30, 2016, on Schedule B, Page  
7 1. Projected Capacity Release Credits, DS Credits, Off-System Sales Credits, Exchange  
8 Credits, Asset Management Fee credits and Supplement 91 Credits are all reflected in the C-  
9 factor computation. Schedule B, Pages 3 through 14, detail these projected costs by month.

10 The Projected Cost of Gas for PGC-2 (C2) is shown on Schedule B, Page 1. Those applicable  
11 PGC-2 demand and commodity costs are also shown on Schedule B, Page 2. C2 is developed  
12 by adding applicable PGC-2 demand costs and applicable PGC-2 commodity costs. The  
13 Projected Cost of Gas for PGC-1 (C1) is computed by subtracting the Projected Cost of Gas  
14 for PGC-2 (C2) and the Projected Cost of Gas for GBM from the total Projected Cost of Gas  
15 (C).

16 **Q. Please explain the two-part demand and commodity cost components of the PGC-2 C-**  
17 **factor.**

18 A. Consistent with the tariff Rate Schedule BD, the current two-part PGC-2 rate disaggregates  
19 pipeline demand costs, which previously were recovered only on a commodity basis. In order  
20 to better synchronize the design of the non-gas cost portion of base rates and the PGC recovery  
21 rate, UGI, in the 1993 1307(f) PGC proceed at Docket No. R-00932674, proposed the current  
22 two-part PGC-2 rate, with a specific PGC-2 demand rate based on the demand costs of firm  
23 interstate pipeline capacity. The PUC initially approved the two-part PGC-2 rate in UGI's  
24 PGC proceeding at Docket R-00932674. The two-part PGC-2 rate design was subsequently



1 reaffirmed in each of UGI's subsequent PGC proceedings, as well as in UGI's base rate case  
2 at Docket No. R-00953297. The establishment of a two-part PGC-2 rate improves the  
3 comparability of firm Rate BD with a similar firm rate for transportation service under Rate  
4 Schedule LFD (Large Firm - Delivery Service), and thereby discourages low load factor firm  
5 transportation customers from shifting to retail sales to avoid transportation demand charges.  
6 Relatively low load factor customers on firm transportation service do not find the current  
7 Rate BD design as attractive as in the past, when all PGC-2 fixed demand gas costs were  
8 recovered volumetrically.

9 **Q. How does UGI calculate the PGC-2 C-factor for BD customers?**

10 A. The PGC-2 C-factor for BD customers is calculated on the basis of the weighted average  
11 commodity cost of gas (WACOG)<sup>1</sup> plus the weighted average cost of demand (WACOD). As  
12 illustrated on Schedule B, Page 2, the proposed WACOG is \$4.969 per Mcf, including unitized  
13 demand charges, based on a WACOD of \$14.75 per unit of capacity. The adoption of the  
14 WACOD method was approved by the Commission in UGI's base rate case settlement at  
15 Docket No. R-00953297, effective August 31, 1995.

16 **Q. Please explain the development of the Projected Sales or "S" amount.**

17 A. On an annual basis, UGI projects sales volumes for the upcoming PGC computation period.  
18 The PGC sales forecast ending November 30, 2016 was used to estimate the monthly supply  
19 volumes provided in Attachments 1-B-1 and 1-B-2 of the Book 1 supporting information filed  
20 on May 1. In general, the process to forecast PGC sales takes into consideration various  
21 factors, including trending and regression analysis, customer growth, customer conservation,  
22 economic data, normal weather conditions and natural gas to alternate fuel price relationships.  
23 In addition, for UGI's large firm contract customers, such as those served within the PGC-2

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<sup>1</sup> In addition E2 is reflected in the commodity portion of the PGC-2 rate.

1 rate class on Rate BD, UGI's Industrial and Commercial marketing representatives review  
2 and forecast demand requirements for each customer based on field information gathered as  
3 part of their continuing role of providing support and assistance for customers of this type.

4 Schedule B, Page 1 shows the Projected Sales for PGC-1 (S1) amount of 30.6 Bcf and for  
5 PGC-2 (S2) of 24,015 Mcf, for the period beginning December 1, 2015 through November  
6 30, 2016. These sales projections form the basis for UGI's forecasted PGC supply portfolio  
7 by month, and the resulting supply mix as shown on Schedule B, Pages 3 through 14. UGI  
8 used a similar methodology to project sales volumes for the Interim Period of April 1, 2015  
9 through November 30, 2015. Projected sales for this period are detailed monthly on Schedule  
10 C, Page 7, and are utilized to determine the annual E-factor.

11 **Q. How has the Company recognized Customer Choice volumes in the Projected Sales or**  
12 **"S" amount?**

13 A. Customer Choice volumes are excluded from PGC retail sales, similar to UGI's larger  
14 transportation customer volumes, when developing Projected Sales for PGC-1 (S1). In this  
15 filing, we have excluded approximately 11.7 Bcf in recognition of approximately 56,000  
16 Choice Customers. Thus, the Projected Sales for PGC-1 (S1) amount of 30.6 Bcf is net of the  
17 excluded Customer Choice volumes.

18 **Q. Please explain the development of Experienced Cost Factor or E-factor.**

19 A. The E-factor computation consists of two basic components: Supplier Refunds and  
20 over/under collections. Interest is included in both of these components.

21 **Q. Please explain the Supplier Refund amounts included in the E-factor computation.**

22 A. The Supplier Refunds and over/under collection amounts are further classified as "prior" or  
23 "current," where "prior" refers to the remaining balances of intended amounts for  
24 refund/recovery from the prior year's PGC 1307(f) proceeding that have not been fully

1 refunded to or recovered from PGC customers due to variations in sales volumes, and  
2 "current" refers to the intended amounts for refund/recovery which were not previously  
3 incorporated in the prior year's PGC rate components. The prior Supplier Refund Balance of  
4 \$160,857 reflects the ending balance projected at November 30, 2015. This balance is detailed  
5 in Schedule C, Page 2, and is included in the E-factor computation on Schedule C, Page 1. As  
6 shown on Schedule C, Page 3, the current Supplier Refunds total \$576,158. Also shown on  
7 Schedule C, Page 3, the interest on the current Supplier Refund will be returned at the rate of  
8 six percent (6%). The related total interest amount of \$50,687 as shown on Schedule C, Page  
9 3 and current Supplier Refund Total is included in the E-factor computation on Schedule C,  
10 Page 1.

11 **Q. How will Supplier Refunds be returned to UGI's PGC customers?**

12 A. Both prior and current Supplier Refunds will be returned to UGI's PGC-1 and PGC-2  
13 customers through the E-Factors of their respective proposed PGC rates as applied to actual  
14 PGC sales beginning December 1, 2015.

15 **Q. Please explain the over/under collection amount included in the E-Factor.**

16 A. Schedule C, Page 1 provides the development of the prior and current over/under collection  
17 amounts plus interest. The current under collection is detailed at Schedule C, Pages 5, 6 and  
18 7, and includes the effect for UGI's quarterly PGC rate decrease of \$0.7116 per Mcf  
19 implemented on June 1, 2015. The total current under collection amounts are separated  
20 between the PGC-1 and PGC-2 classes based on actual sales, capacity and costs to the PGC-  
21 1 and PGC-2 classes through March 31, 2015, and projected sales, capacity and costs to the  
22 PGC-1 and PGC-2 classes for the period from April 1, 2015, through November 30, 2015.  
23 The prior period under collection amount is also shown on Schedule C, Page 1 and detailed  
24 on Schedule C, Page 4. This amount is presently charged to the PGC customer class through

1 the operation of the E-Factor. The prior period under collection amounts are separated  
2 between the PGC-1 and PGC-2 classes based on actual data for the 12-month period ended  
3 March 31, 2015, and projected data beginning April 1, 2015, through November 30, 2015.  
4 Also reflected in the remaining balance of the prior period under collection are the monthly  
5 amounts received from transportation customers through the application of the Migration  
6 Rider.

7 **Q. Please explain how the Company determines the applicable interest rate to use in**  
8 **computing the total interest expense related to the over/under collection amount in the**  
9 **E-factor computation.**

10 A. UGI's current tariff allows for the refunding of interest on over collections and recovery of  
11 interest on under collections consistent with the provisions of 66 Pa.C.S. §1307(f)(5). While  
12 recovery of interest on under collections is allowed at the legal rate of interest at six percent  
13 (6%), the refunding of interest on over collections is required at the legal rate of interest, plus  
14 two percent, or at eight percent (8%). Consistent with the methodology approved by the  
15 Commission for the E-factor interest calculations at Docket No. R-00038411, the Company  
16 calculates interest on the over/under collections for two distinct periods: a historic 12-month  
17 period ending two months prior to the filing date of this proceeding ("Historic Period"), and  
18 an 8-month interim period of projected over/under collections from the end of the Historic  
19 Period to the beginning of the rate effective period ("Interim Period"). The resulting net  
20 under/over collection amount in each period determines the applicable interest rate to be used  
21 to calculate the monthly interest expense in such period. The total amount of monthly interest  
22 expense over the PGC computation period, from December 2014 through March 2015 of the

1 Historic Period<sup>1</sup> plus the entirety of the Interim Period, is then calculated on Schedule C, Page  
2 6, and then carried into the E-Factor computation.

3 **Q. Please summarize the development of the total interest expense included in the E-factor.**

4 A. In this year's filing, the Historic Period is the 12-month period ending March 31, 2015, and  
5 the Interim Period represents the months of April 1, 2015 through November 30, 2015. As  
6 shown on Attachment 12-1 in Book 1 and Schedule C, Pages 5 and 6, the Company was over  
7 collected in the Historic Period by an amount of \$6,519,363. Thus, as shown on Schedule C,  
8 Pages 5 and 6, the Company computed the monthly interest amounts in the Historic Period  
9 utilizing an interest rate of eight percent (8%). As shown on Schedule C, Page 7, the Company  
10 is projected to be net under collected in the Interim Period by an amount of (\$16,997,841),  
11 and the Company computed the monthly interest amounts in the Interim Period utilizing an  
12 interest rate of six percent (6%). The total amount of monthly interest expense calculated over  
13 the PGC computation period, December 2014 through November 2015, is shown on Schedule  
14 C, Page 7, in the amount of \$1,289,073, which is included in the E-Factor computation shown  
15 on Schedule C, Page 1.

16 **Q. Please explain the development of the Total Sales used to calculate the Experienced Cost  
17 of Gas per Mcf (-E/S).**

18 A. The projected sales used to calculate the Experienced Cost per Mcf (-E/S) were determined  
19 using the Projected Sales as described above and shown on Schedule A, Page 1, plus an  
20 additional 850,000 Mcf to reflect the annual projected transportation volumes subject to the  
21 Migration Rider for the PGC year beginning December 1, 2015. The inclusion of the  
22 Migration Rider volumes projection to compute the Experienced Cost per Mcf (-E/S) is

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<sup>1</sup> The interest expense from the months April 2014 through November 2014 are already included in the December 1, 2014 compliance filing using the projected interest rate for the Historic Period from the prior year's 1307(I) filing.

1 consistent with the terms of the 2011 PGC 1307(f) Settlement approved by the Commission  
2 at Docket R-2011-2238953.

3 **Revenue Sharing Incentive Mechanism**

4 **Q. Please describe UGI's current Revenue Sharing Incentive Mechanism ("RISM").**

5 A. In accordance with a PUC-approved settlement in UGI's 2008 PGC proceeding at R-2008-  
6 2039417, revenues received from off-system sales margins (with or without utilization of PGC  
7 assets), off-system interstate pipeline capacity releases (excluding Choice and operational  
8 releases), locational exchanges, storage asset management fees derived from PGC assets and  
9 off-system sales using reservation charge contracts are shared on a before-tax basis with 75%  
10 allocated to the PGC and 25% allocated to the Company. The parties to the 2008 PGC  
11 settlement also agreed not to propose any change to this sharing mechanism through  
12 November 30, 2011. In last year's PGC proceeding UGI proposed to retain the existing RISM  
13 mechanism through November 30, 2016, and this proposal was not opposed by any party.

14 **Q. Is UGI proposing to change the current sharing mechanism in this PGC Filing?**

15 A. No.

16 **Retainage Rate**

17 **Q. Does UGI retain a percentage of gas delivered on behalf of transportation service  
18 customers to reflect lost and unaccounted for ("LAUF") and company use gas  
19 (collectively, the "Retainage Rate")?**

20 A. Yes, in a Commission-approved settlement of the PGC proceeding at Docket No. R-2009-  
21 2105911, UGI agreed, among other things:

22 28. UGI agrees, beginning December 1, 2009, and each December 1 thereafter,  
23 to calculate the retainage rate for applicable transportation rate schedules as of  
24 December 1 each year by using a three-year rolling average of actual lost and  
25 unaccounted for gas ("LAUF") and company use gas through September 30<sup>th</sup>  
26 of each year for rate schedules RT, NT, CT, DS, IS and LFD. For its PGC year  
27 beginning December 1, 2009, as a transition, UGI will calculate retainage rates

1 for rate schedules RT, NT, CT, DS, IS and LFD using a five-year rolling  
2 average of actual LAUF and company use calculated through September 30,  
3 2009. The maximum 0.5% retainage rate for rate XD established in UGI's last  
4 base rate case will remain unchanged.

5 Consistent with settlement terms, UGI established a Retainage Rate of 0.7% for rate schedules  
6 RT, NT, CT, DS, IS and LFD, effective Decmber 1, 2011 and each year thereafterbased on  
7 a three-year rolling average of LAUF and company use gas for the three priuor years ending  
8 September 30. The current Retainage Rate is 0.9%. UGI will next update its Retainage Rate,  
9 at the time of its compliance filing in this proceeding, to reflect a three-year average of LAUF  
10 and company use gas through September 30, 2015.

11 **Q. Was UGI's method of Computing its Retainage Rate adjusted as part of a Commission-**  
12 **approved settlement in its 2010 PGC proceeding at Docket No. R-2010-2172933?**

13 A. Yes. In this settlement UGI agreed to "exclude volumes associated with service to its Rate  
14 XD transportation customers receiving retainage discounts in calculating its retainage rate in  
15 its compliance filing in this proceeding" and to "provide a schedule in its compliance filing  
16 showing how it calculated its retainage rate using a three-year rolling average." Consistent  
17 with the terms of this settlement UGI will exclude volumes associated with service to Rate  
18 XD customers receiving retainage discounts in calculating its Retainage Rate and will provide  
19 a schedule showing its Retainage rate computation with its compliance filing in this  
20 proceeding.

21 **Q. Please describe the Commission's regulations at 52 Pa. Code § 59.111 addressing LAUF**  
22 **or Unaccounted for Gas ("UFG") reporting requirements and standards.**

23 A. 52 Pa. Code §59.111 became effective in August of 2013. This regulation adopts a uniform  
24 definition of UFG, requires NGDCs to file annual reports on or before September 30, 2014  
25 reporting UFG levels for the twelve months ending August 31 of each year, and establishes

1 UFG standards which NGDCs have to address in annual PGC proceedings occurring after  
2 August 11, 2014.

3 **Q. Did the Company file its first annual report on UFG on September 30, 2014?**

4 A. Yes.

5 **PGC Quarterly Rate Adjustments**

6 **Q. In last year's PGC proceeding did UGI agree to adjust the method used to compute**  
7 **quarterly adjustments?**

8 A. Yes, in a Commission-approved settlement UGI agreed as follows:

- 9 • When making December 1, March 1 and June 1 quarterly C-factor adjustments, the  
10 Company will recover/collect all actual and projected incremental over/under collections  
11 from December 1 through November 30 over remaining PGC year sales volumes.
- 12 • When making September 1 quarterly C-factor adjustments, the Company will  
13 recover/collect all actual and projected incremental over/under collections from December  
14 1 through November 30 over sales volumes applicable to the six months of June through  
15 November.
- 16 • Any March, June or September quarterly PGC rate change will be capped at 25% of the  
17 then-current PGC rate, with any amounts above this cap being brought forward for  
18 inclusion in the calculation of the next subsequent adjustment.
- 19 • When actual November data is reconciled with the projected November data used to  
20 establish PGC rates effective December 1, the resulting over or under collection amount  
21 shall be recovered/refunded in the next quarterly filing over the applicable annual PGC  
22 sales volumes plus migration rider volumes.

23



1 **Q. Has UGI complied with these settlement terms?**

2 A. Yes. Beginning with the March 1, 2015 quarterly filing, the PGC rate change was calculated  
3 using the sum of the each month's PGC rate adjustment during the applicable PGC year, with  
4 each month's PGC rate adjustment determined as follows:

- 5 • UGI recovered/collected all actual and projected incremental over/under collections from  
6 December 1 through November 30 over remaining PGC year sales volumes; and
- 7 • The November actual data was divided by projected yearly sales plus the migration rider  
8 volumes.

9 **Q. Has a PGC rate adjustment been subject to the 25% cap provided for in the settlement?**

10 A. No.

11 **Gas Beyond the Mains**

12 **Q. Has the Commission issued an Order affecting UGI's Rate GBM service?**

13 A. Yes. In a Final Order entered on December 19, 2013 at Docket No. M-2008-2072850 the  
14 Commission found that it was no longer in the public interest for UGI to provide Rate GBM  
15 service to customers served by individual propane tanks ("Single Tank") after August of 2014,  
16 to residential customers served by piped propane distribution systems ("Piped Propane") after  
17 December 2015, and to small commercial customers served by piped propane systems after  
18 December 2020. In its Final Order the Commission also concluded:

19 UGI, by no later than the September 2014 billing cycle, must have a separate  
20 PGC rate for the Companies' Piped Propane Service customers designed to  
21 recover the full costs of propane acquired to provide GBM service without  
22 subsidies from non-GBM service customers.

23

24

1 **Q. How has UGI complied with the Commission's directive to have a separate PGC rate**  
2 **for Rate GBM customers served by piped propane distribution systems no later than**  
3 **the September 14, 2014 billing cycle?**

4 A. On May 30, 2014, UGI filed tariff Supplement No. 107, which took effect on August 1, 2014.  
5 Under Supplement No. 107, as of August 1, 2014 the C-factor component of the PGC rate for  
6 GBM customers served by Piped Propane systems is entirely based on the cost of propane  
7 used to provide Rate GBM service. In addition, as of December 1, 2014, the E-factor  
8 component of the GBM PGC rate is segregated based on the percentage of GBM sales to total  
9 PGC-1 and GBM sales for the twelve months ending November 30, 2014, times the prior  
10 period under collection balance as of November 30, 2014. UGI applied these tariff provisions  
11 in its December 1, 2014 PGC compliance filing and, beginning December 1, 2015 and  
12 thereafter the C-factor component of the GBM PGC Rate will continue to be entirely based  
13 on the cost of propane used to provide rate GBM service with the E-factor component of the  
14 GBM PGC rate being computed based on the reconciliation of propane costs and revenues  
15 associated with the provision of Rate GBM service.

16 **Q. Did UGI compute the E-factor for the PGC GBM rate separately from the E-factor for**  
17 **the PGC-1 and PGC-2 rates?**

18 A. Yes. The separate PGC GBM E-Factor rate is shown on Schedule A, Page 3. The development  
19 of the GBM E-Factor rate is shown on Schedule C, Page 1. Schedule C, Pages 6 and 7, detail  
20 the separate monthly under/over collections (including interest) for the PGC GBM E-Factor  
21 Rate, beginning December 2014 through November 2015.

22 **Q. Did Supplement No. 107 address Single Tank customers?**

23 A. Yes. UGI committed to file an additional tariff supplement to eliminate the GBM rate schedule  
24 provisions applicable to Single Tank Customers once all Single Tank GBM accounts have been

1 abandoned in accordance with the procedures set forth in the Commission's Final Order at  
2 Docket No. M-2008-2072850.

3 **Q. Has service to all the Single Tank GBM customers been abandoned?**

4 A. Yes. In accordance with the December 19, 2013 Final Order, UGI and UGI PNG filed a Joint  
5 Application for Certificates of Public Convenience to abandon Rate GBM service to Single  
6 Tank customers ("Joint Application") at Docket Nos. A-2014-2424362 and A-2014-2424432.  
7 After hearing and briefing on the issues, the Commission entered a Final Order on April 3,  
8 2015 approving UGI's and UGI PNG's Joint Application, and Rate GBM service to such  
9 Single Tank customers has been ended.

10 **Q. Are you proposing any changes to the Tariff Addendum in this proceeding relating to**  
11 **single-tank Rate GBM service?**

12 A. Yes. Page 74 of UGI's tariff applies to Single Tank GBM service. Since UGI no longer serves  
13 any Single Tank GBM accounts, in the *pro forma* Tariff Addendum to Gas – Pa. P.U.C. No. 5  
14 included in this proceeding, the Company has proposed on page 74 to clarify the applicability  
15 of this page to Single Tank GBM service only in the header and cancel this rate schedule. We  
16 also propose to change the header of Pages 74(a) and 75 to clarify the applicability of these  
17 pages to Piped Propane GBM service only and to update the rate applicable to this Rate  
18 Schedule.

19 **Q. Does this conclude your direct testimony?**

20 A. Yes it does.

BEFORE THE  
PENNSYLVANIA PUBLIC UTILITY COMMISSION

PENNSYLVANIA PUBLIC  
UTILITY COMMISSION

v.

UGI UTILITIES, INC. --  
GAS DIVISION

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Docket No. R-2015-2480950

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DIRECT TESTIMONY  
OF  
SHAUN M. HART

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UGI STATEMENT No. 2

Dated: June 1, 2015

1 **Q. Please state your name and address.**

2 A. Shaun M. Hart; my business address is UGI Utilities, Inc., 2525 North 12<sup>th</sup> Street, Suite  
3 360, Reading, Pennsylvania 19612.

4 **Q. By whom are you employed, and in what capacity?**

5 A. I am employed by UGI Utilities Inc. as Manager – Supply.

6 **Q. Please briefly describe your responsibilities in that capacity.**

7 A. As Manager – Supply, I am responsible for gas supply planning, procurement, and  
8 scheduling for UGI Utilities, Inc. (“UGI”), UGI Penn Natural Gas, Inc. (“PNG”), and  
9 UGI Central Penn Gas, Inc. (“CPG”) (collectively, the “UGI NGDCs” or the  
10 “Companies”).

11 **Q. What is your educational background?**

12 A. Please see my resume that is attached as Exhibit UGI-SMH-1.

13 **Q. Have you testified previously before the Pennsylvania Public Utility Commission?**

14 A. Yes. I previously provided testimony in the 2011 through 2014 PGC proceedings and the  
15 2012 Gas Procurement Charge proceedings for the UGI NGDCs. Please see Exhibit  
16 UGI-SMH-1 for the specific Docket numbers.

17 **Q. Were portions of the information filed by UGI in this proceeding prepared by you  
18 or persons under your direct supervision and control?**

19 A. Yes. I prepared or supervised the preparation of portions of the May 1, 2015 “Book 1”  
20 supporting information shown on the Table of Contents and Witness Index. Additionally,  
21 in this June 1, 2015 “Book 2” filing, I am sponsoring Schedule B, Pages 3 through 14 and  
22 the *pro forma* Tariff Addendum pages to UGI’s Choice Supplier Tariff, Gas – Pa. P.U.C.  
23 No. 5-S.

1 **Q. Is the information in these sections true and correct to the best of your knowledge**  
2 **and belief?**

3 A. Yes.

4 **Q. What topics will you address in your direct testimony?**

5 A. My testimony addresses: (1) a review of Winter 2014-2015 and a resulting change in the  
6 data UGI will use in planning to meet peak day requirements, (2) the calculation of  
7 projected peak day demand for Winter 2015-2016, (3) and updates to UGI's Choice  
8 Supplier tariff, as reflected in the *pro forma* Tariff Addendum pages filed in this  
9 proceeding.

10 **Review of Winter 2014-2015**

11 **Q. Was UGI able to supply the firm demand requirements of its core market customers**  
12 **during Winter 2014-2015?**

13 A. Yes. UGI was able to fully supply its core market customers' firm demand this past  
14 winter, which was significantly colder than normal, especially late in the season. As the  
15 capacity planner for its system, UGI holds primary firm assets for its core market  
16 customers, which include both PGC and Choice customers, to ensure reliable supply  
17 deliveries as well as sufficient no-notice balancing assets to meet unpredictable demand  
18 swings and supply disruptions. Having primary firm assets in UGI's supply portfolio was  
19 critical due to high market area prices, pipeline restrictions, and force majeure events  
20 over the past two winters.

21 **Q. What were some of the pipeline restrictions UGI faced this past winter?**

22 A. Texas Eastern pipeline issued an operational flow order ("OFO") effective February 12,  
23 2015, which remained in effect through February 28, 2015. For each individual gas day

1 during the OFO period, UGI had to ensure deliveries to its city gates downstream of  
2 Texas Eastern's Grantville compressor station were at least within two percent of actual  
3 flows. Please see Exhibit UGI-SMH-2 for a copy of Texas Eastern's posted OFO notice.  
4 In response, UGI scheduled sufficient deliveries to its city gates downstream of Texas  
5 Eastern's Grantville compressor station, which could be accomplished because UGI  
6 contracts for sufficient primary firm capacity on each pipeline to meet the core market  
7 customers' peak day demand requirements. In addition to the Texas Eastern OFO,  
8 Columbia Gas Pipeline issued critical days and Transcontinental Gas Pipe Line  
9 ("Transco") issued OFOs. Please see Exhibit UGI-SMH-3 for a copy of one of  
10 Columbia's posted critical days and Exhibit UGI-SMH-4 for a copy of one of Transco's  
11 posted OFO notices. UGI was also able to comply with these restrictions by scheduling  
12 sufficient deliveries to its city gates, because UGI contracts for sufficient primary firm  
13 capacity on each pipeline to meet the core market customers' peak day demand  
14 requirements.

15 **Q. How does UGI ensure reliable supply deliveries during periods of significantly**  
16 **colder than normal temperatures?**

17 A. UGI contracts for primary firm asset-backed capacity to meet its projected firm peak  
18 daily, monthly and seasonal demand requirements for each upcoming winter. This  
19 capacity is comprised of firm transportation, firm delivered supply, firm storage, and firm  
20 peaking services. By contracting for sufficient firm capacity to meet projected demand  
21 during design cold conditions, UGI is able to meet its responsibilities as the supplier of  
22 last resort and ensure reliable supply deliveries to core market customers every day of the  
23 year. Winter 2014-2015 was even colder than Winter 2013-2014, which was the coldest

1 winter in Pennsylvania in the previous 20 years. UGI experienced 4,937 degree days this  
2 past winter from November 2014 through March 2015, compared to the 4,930 degree  
3 days UGI experienced the prior winter from November 2013 through March 2014, an  
4 increase of 7 degree days year over year. While this past winter was the coldest winter in  
5 Pennsylvania since Winter 1993-1994, the temperatures did not reach design cold  
6 conditions on any individual day. However, as discussed in greater detail below, UGI  
7 was at risk this past winter of not having sufficient primary firm capacity to meet the firm  
8 demand of its core market customers had UGI actually experienced its design cold peak  
9 day conditions.

10 **Peak Day Demand**

11 **Q. Briefly describe the general methodology UGI uses to project firm peak day**  
12 **demand.**

13 A. UGI plans to meet the anticipated peak day demand of its core market customers and firm  
14 transportation customers at the design cold temperatures for its primary and secondary  
15 systems discussed above. These design day temperatures were established in a  
16 Commission-approved settlement in UGI's 2007 PGC proceeding at Docket No.  
17 R-00072335, and were re-affirmed in a Commission-approved settlement of UGI's 2011  
18 PGC proceeding at Docket No. R-2011-2238953, and I think it is fair to say that these  
19 settled peak day temperatures were intended to reflect the potentially coldest days UGI's  
20 primary and secondary areas might expect to experience over a thirty year period,  
21 updated every five years, and to provide some certainty for planning purposes while  
22 resolving disputes among the settling parties over the methodology for calculating peak  
23 day temperatures. Since design day temperatures are not experienced each year, and firm



1 customer demand can be dynamic, UGI uses standard statistical techniques applied to  
2 actual historical winter data to project peak day demand before the adjustments discussed  
3 below. In general, firm customer usage is correlated with temperature, but other dynamic  
4 factors, including but not limited to customer conservation efforts (or lack thereof),  
5 appliance saturation, natural gas market pricing, changes in customer mix and changes in  
6 the general level of economic activity will also influence firm customer demand and will  
7 be reflected in the actual data used to extrapolate anticipated peak day demand. Once  
8 UGI uses standard statistical techniques to project firm peak day demand from historical  
9 usage data, it adjusts the results for growth and the known and anticipated contractual  
10 peak day firm requirement of its large firm transportation customers to determine its firm  
11 peak day demand requirement.

12 **Q. Has the determination of UGI's peak day requirements been the subject to dispute**  
13 **in recent PGC proceedings, and if so why do you think this has occurred?**

14 **A.** Yes, it has been the subject of dispute, and I believe this was primarily the result of the  
15 differences between the parties over how to interpret certain historical customer usage  
16 trends reflected in actual usage data generated during time periods characterized by  
17 higher gas costs, reduced economic activity caused by the so-called "great recession,"  
18 warm winters, and a stable customer base. To resolve these data interpretation disputes,  
19 the parties entered into a series of PGC settlements, which established peak day  
20 requirements and year-to-year acquisitions of incremental services to await the statistical  
21 evidence of customer behavior that another year of data would provide. In general, the  
22 return of colder winter weather, increased economic activity, reduced gas prices resulting  
23 from prolific gas production, and record increases of customer additions, among other

1 factors, has now been reflected in historical firm customer demand data that supports  
2 levels of firm peak day demand in excess of both UGI's prior predictions and the levels  
3 established in recent PGC settlements.

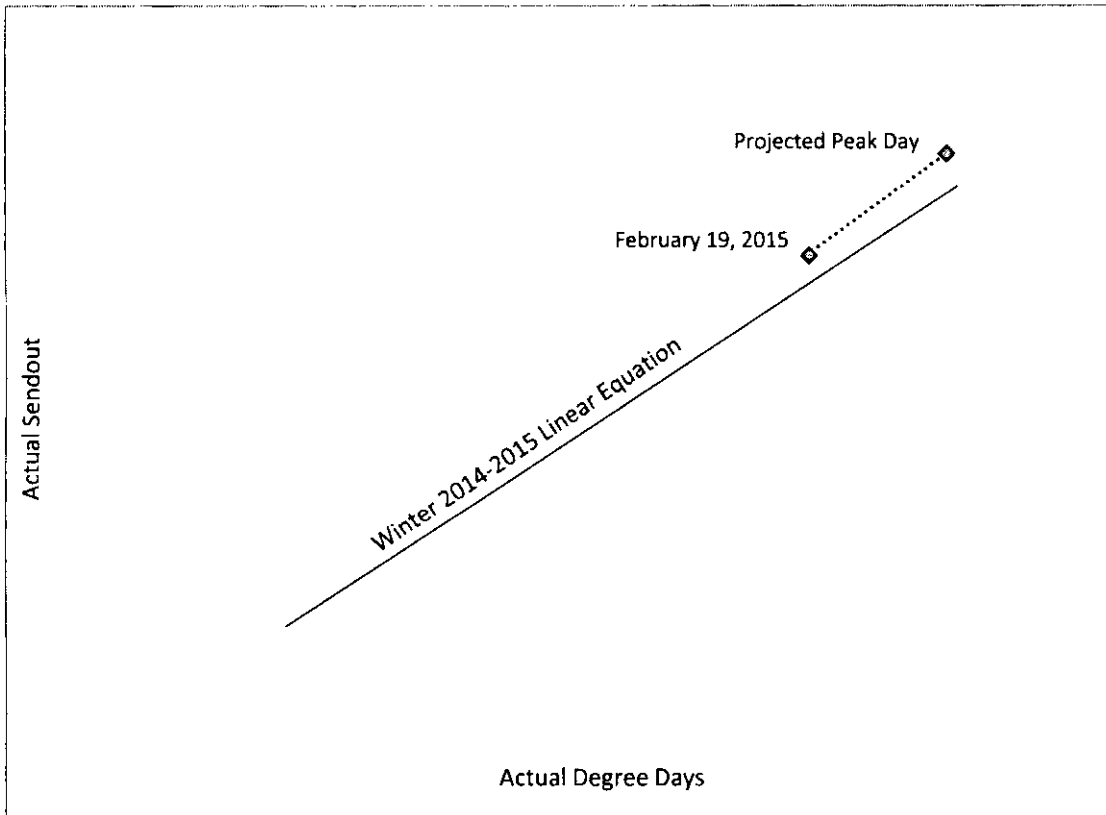
4 **Q. Does UGI have a concern with the methodology used to determine peak day**  
5 **requirements as settled in recent PGC proceedings?**

6 A. Yes. Based on the results of a linear regression equation using data from Winter 2014-  
7 2015, UGI's actual firm demand on February 19, 2015, which was the coldest weekday  
8 of the year, exceeded what this past winter's linear regression equation would have  
9 projected for that same temperature, leaving a shortfall of supply. Such a supply shortfall  
10 is extremely concerning to UGI from a capacity planning perspective, especially  
11 considering the potential negative impact on the health and safety of UGI's customers.  
12 Based on this forecasted supply shortfall, UGI believes it is prudent to utilize the actual  
13 temperatures and demands experienced on the coldest weekday in Winter 2014-2015 to  
14 determine the peak day requirements in future winters. Chart 1 shows the results of the  
15 linear regression analysis.

16

1

**Chart 1 – UGI’s 2014-2015 Linear Equation Results**



2

3 **Q. Why do you think the actual demand surpassed what the linear equation would**  
4 **have projected?**

5 A. I believe actual demand on the coldest weekday exceeded the linear equation’s projection  
6 due to experiencing a colder temperature closer to UGI’s design cold peak day  
7 temperature, reduced gas prices resulting from prolific gas production, and record  
8 increases of customer additions.

9 **Q. What are UGI’s projected firm peak day demands for the next five years?**

10 A. UGI’s projected firm peak day demand requirements for the next five winters are shown  
11 in Table 1 below. For illustrative purposes, I have also included the projected currently  
12 contracted firm capacity and the associated projected long or short capacity positions.

<b>Winter</b>	<b>Projected Firm Peak Day Demand</b>	<b>Contracted Firm Capacity / Supply</b>	<b>Projected Capacity Length/(Shortfall)</b>
2015-2016	765,972	708,979	(56,993)
2016-2017	781,140	720,179	(60,961)
2017-2018	796,308	720,179	(76,129)
2018-2019	811,476	720,179	(91,297)
2019-2020	826,644	720,179	(106,465)

1

2 **Q. Can you describe the process UGI used to calculate the above results?**

3 A. As discussed in the previous section of my direct testimony, Winter 2014-2015 was  
4 colder than normal, and UGI experienced a day on February 19, 2015, that, while it was  
5 not a design cold peak day with a mean temperature of -3.6 degrees Fahrenheit in the  
6 primary area and -8 degrees Fahrenheit in the secondary area, did have mean  
7 temperatures of 7 degrees and 3 degrees Fahrenheit, respectively. Given the relatively  
8 cold temperature experienced on February 19, 2015, UGI started with the actual firm  
9 demand on this day and extrapolated, using standard statistical techniques, what its firm  
10 demand would be at design cold temperatures of -3.6 degrees and -8 degrees to develop  
11 its projection shown above.

12 **Q. Did UGI look at any alternative methods to project firm peak day demand?**

13 A. Yes. UGI developed peak day demands by: (a) performing a linear regression analysis  
14 using the firm core market demand on the 30 coldest days from the past two winters of  
15 2013-2014 and 2014-2015; and (b) performing individual linear regression analyses on

1 firm core market demand for each of the past four winters, and then averaging the results  
2 from the last three of these winters.

3 **Q. What were the results of the analysis of the 30 coldest days from the past two**  
4 **winters?**

5 A. The projected firm peak day demand for Winter 2015-2016 using the linear regression  
6 equation derived from the 30 coldest days from the past two winters is 761,399 Dth. To  
7 calculate this result, UGI collected the firm core market demands on the 30 coldest days  
8 from Winters 2013-2014 and 2014-2015 and performed a regression analysis to develop a  
9 linear equation to be used to project firm demand at UGI's design cold peak day  
10 temperatures. To complete the calculation, UGI adjusted for growth to 2015-2016 and  
11 added the contractual peak day firm requirement of its large firm transportation  
12 customers. However, UGI concluded the projected peak day demand was underestimated  
13 using this methodology since its actual firm demand on February 19, 2015 exceeded what  
14 this linear equation would have projected at the same mean temperature.

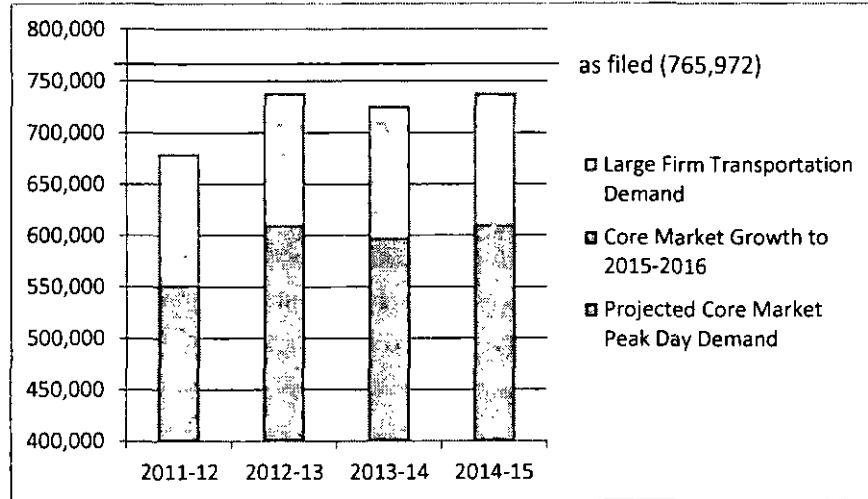
15 **Q. What were the results of the analysis of each of the past four winters?**

16 A. Chart 2 below shows the projected peak day demand for each of the past four years using  
17 individual linear regression results for the core market plus growth from each year to  
18 2015-2016 as well as 2015-2016's large firm transportation contractual peak day demand.

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**Chart 2 – UGI’s Projected 2015-2016 Firm Peak Day Demand (Dth)**  
**Based on Data from Each of the Previous Four Years**



In the past two years’ 1307(f) PGC proceedings at Docket Nos. R-2013-2361771 and R-2014-2420276, UGI removed the results from Winter 2011-2012 because it was an outlier due to being the fourth warmest winter on record in Pennsylvania, which is now very evident in the very low peak day demand estimate, developed using data from 2011-2012, when compared to the past three winters as shown on Chart 2. Consistent with the past two years, UGI removed Winter 2011-2012 from the projected peak day calculation. The projected firm peak day demand for Winter 2015-2016 using the linear regression equation dropping Winter 2011-2012 and using an average of the remaining three winters is 734,284 Dth. However, UGI analyzed this result and determined the projected peak day demand was being underestimated since actual firm demand on February 19, 2015 exceeded what this linear equation would have projected at the same mean temperature.

1 **Q. Why do you think the difference between the projected peak day demands using the**  
2 **30 coldest days over the past two winters and the past three winters is so drastic?**

3 A. Just as the actual demand on the coldest weekday of the past winter was higher than that  
4 which the linear equation using the 30 coldest days over the past two winters would have  
5 projected, the actual demands on the 30 coldest days over the past two winters are also  
6 higher than those which the linear equation using the past three winters would have  
7 projected. This difference is most likely due to the return of colder winter weather,  
8 increased economic activity, reduced gas prices resulting from prolific gas production,  
9 and record increases of customer additions.

10 **Q. Please briefly explain the inclusion of growth numbers in UGI's projected peak day**  
11 **demands for Winter 2016-2017 through Winter 2019-2020.**

12 A. UGI adds customer growth projections to the upcoming winter to project future peak day  
13 demands for each subsequent winter.

14 **Q. Is UGI's projected firm peak day demand growing?**

15 A. Yes. UGI is projecting, consistent with historical experience, firm demand growth due to  
16 customer additions resulting from new construction; conversions to natural gas from  
17 alternative energy sources such as heating oil, propane, and electricity; and customers  
18 upgrading the number or type of their appliances, such as, for example, a customer who  
19 previously only used gas for cooking upgrades to gas heat. In addition, there are  
20 interruptible transportation customers who have switched from interruptible service to  
21 firm service. It is also likely that customer additions from new construction will  
22 accelerate as the construction market rebounds from historic lows. In addition, UGI is in  
23 the first year of its five-year Growth Extension Tariff ("GET Gas") pilot program, for

1 which each of the UGI NGDCs will be investing \$5 million per year to extend its natural  
2 gas distribution system to unserved and under-served areas. GET Gas provides  
3 prospective customers with the opportunity to switch to natural gas and spread the line  
4 extension costs over a 10-year period. Given the significant price advantage natural gas  
5 has over competing energy products, more customers have been switching to natural gas,  
6 a trend UGI expects to continue while natural gas pricing remains the more economic  
7 fuel choice and UGI continues to implement its GET Gas program.

8 **Q. How does UGI plan to contract for supply to meet the projected demand growth?**

9 A. Due to UGI's projected demand growth over the next several years, as shown in Table 1  
10 above, UGI plans to issue a Request-for-Proposal and make an award for a 5-year  
11 delivered service for Winter 2015-2016 through Winter 2019-2020 to cover the projected  
12 capacity shortfalls shown in Table 1 and to roll-over certain existing peaking contracts,  
13 which is discussed in UGI Statement No. 3, the Direct Testimony of David C. Beasten.

14 **Choice Supplier Tariff Updates**

15 **Q. Please summarize the changes being made to UGI's Choice Supplier tariff.**

16 A. UGI is filing tariff changes to (1) update the peak day allocation percentages, including  
17 Firm Commodity Supply Alternatives, (2) clarify where bundled sale percentages are  
18 available to Choice suppliers, (3) change the bundled sale cash-in index, and (4) change  
19 the penalty rate for failure to deliver. Please see Exhibit UGI-SMH-5 for the updated  
20 tariff pages in redline form. These proposed changes to UGI's Choice Supplier tariff are  
21 also reflected in the *pro forma* Tariff Addendum filed on June 1, 2015 in this proceeding.

22  
23



1 **Q. Please briefly explain the peak day allocation update.**

2 A. UGI is updating the peak day allocation percentages to reflect the 2015-2016 supply  
3 portfolio as shown on Attachment 14-1 of Book 1. In addition, UGI is clarifying that in  
4 the event a Firm Commodity Supply Alternative is allocated to Choice suppliers, it will  
5 be allocated in the same manner as interstate pipeline capacity is released to Choice  
6 suppliers, which is in proportion to the percentage of peak day demand it represents in  
7 UGI's core market gas supply portfolio.

8 **Q. Does UGI currently allocate a Firm Commodity Supply Alternative to Choice**  
9 **suppliers?**

10 A. No. However, PNG and CPG do, so UGI's tariff change is being made consistent with  
11 PNG and CPG's tariffs.

12 **Q. Please explain the clarification of bundled sale percentages.**

13 A. UGI's current tariff references tables from UGI's 2011 PGC Settlement where the  
14 bundled sale percentages were defined for the first time. Since these percentages are  
15 subject to change as UGI's storage contracts and withdrawal plans change, the tariff  
16 language has been updated to reflect where these percentages are posted on UGI's Gas  
17 Management website for Choice suppliers to reference.

18 **Q. Please briefly explain the change to the bundled sale cash-in index.**

19 A. The bundled sale cash-in index is UGI's purchase price for the volumes that were not  
20 nominated by a Choice supplier if the Choice supplier fails to nominate the full must-take  
21 monthly bundled sale quantity during the winter months. Currently, the bundled sale  
22 cash-in index is Henry Hub, but UGI is changing the index to Texas Eastern, M-2  
23 receipts.

1 **Q. Please explain why UGI needs to change the bundled sale cash-in index from Henry**  
2 **Hub to Texas Eastern, M-2 receipts.**

3 A. Changing the index to Texas Eastern, M-2 receipts better aligns the cash-in rate with the  
4 commodity rate of the majority of UGI's supply purchases during the winter months. For  
5 example, this past winter UGI bought most of its supply at Texas Eastern, M-2 while it  
6 had no purchases at Henry Hub.

7 **Q. Please briefly explain the change to the penalty rate for failure to deliver.**

8 A. Choice suppliers are provided a daily delivery requirement ("DDR") each day throughout  
9 the year to supply their Choice customers. If a Choice supplier fails to deliver the DDR,  
10 the difference between the DDR and their actual delivery is subject to a penalty rate of  
11 \$75 per Dth. UGI is changing the penalty rate from a flat \$75 to a market-based rate of  
12 the difference in price between the highest published index price for Texas Eastern, M-3  
13 and the lowest published index price for Texas Eastern, M-2 receipts, but no lower than  
14 \$0.25 per Dth. However, the penalty rate will remain \$75 per Dth for failure to comply  
15 with an OFO or daily flow directive ("DFD").

16 **Q. Please explain why UGI needs to change the penalty rate.**

17 A. Choice suppliers have expressed a desire for UGI's \$75 per Dth penalty rate to be  
18 reduced, especially on non-critical or non-winter days. While maintaining the \$75 per  
19 Dth penalty during OFOs and DFDs, UGI has decided a penalty reduction for the  
20 remainder of the year would not be harmful to the PGC customers, since UGI has the  
21 ability to issue DFDs and OFOs throughout the year if Choice suppliers are not meeting  
22 their DDR requirements. The reduced penalty formula is also now more consistent with  
23 PNG and CPG's tariff penalty for failure to deliver the DDR on non-critical days.

**EXHIBIT UGI-SMH-1**  
**(Resume and Educational Background)**

EXHIBIT UGI-SMH-1

Shaun M. Hart  
Manager – Supply

Work Experience

2010 – present	Manager – Supply UGI Utilities, Inc., Reading, PA
2008 – 2010	Manager, Natural Gas Trading UGI Energy Services, Inc., Wyomissing, PA
2005 – 2008	Supply Analyst UGI Energy Services, Inc., Wyomissing, PA
2003 – 2005	Application Systems Analyst UGI Energy Services, Inc., Wyomissing, PA

Previous Testimony

1307(f) proceedings: Docket Nos. R-2014-2420273, R-2014-2420276, R-2014-2420279,  
R-2013-2361763, R-2013-2361764, R-2013-2361771,  
R-2012-2302219, R-2012-2302220, R-2012-2302221,  
R-2011-2238943, R-2011-2238949, R-2011-2238953

GPC proceedings: Docket Nos. R-2012-2314224, R-2012-2314235, R-2012-2314247

Education

M.B.A. from Villanova University, 2012  
B.S. in Computer Science from Penn State University, 2003

**EXHIBIT UGI-SMH-2**  
**(Texas Eastern OFO notice)**

## Texas Eastern Transmission, LP : Critical Notices

[BackPrint](#)

**TSP:** 007932908  
**TSP Name:** Texas Eastern Transmission, LP  
**Critical Notice Description:** Critical notice  
**Notice Effective Date:** 02/12/2015  
**Notice Effective Time:** 09:00:00 AM  
**Notice End Date:** 04/01/2015  
**Notice End Time:** 09:00:00 AM  
**Notice Identifier:** 48764  
**Notice Status Description:** Initiate  
**Notice Type:** Operational Flow Order  
**Posting Date:** 02/11/2015  
**Posting Time:** 10:44:18 AM  
**Prior Notice Identifier:**  
**Required Response Indicator Description:** No response required  
**Response Date:**  
**Response Time:**  
**Subject:** Customer Specific Operational Flow Order

**Notice Text:**

February 11, 2015  
 Texas Eastern Transmission, LP

**Customer Specific Operational Flow Orders**

By this posting dated February 11, 2015, Texas Eastern Transmission LP ("Texas Eastern") notified a customer of the issuance of a customer specific Operational Flow Order (OFO) pursuant to Section 4.3 of the General Terms and Conditions of its Tariff. TE will be contacting the affected parties.

This customer specific OFO, will take effect February 12, 2015 at 9:00 AM CCT. During the effectiveness of this OFO, all customer delivery meters downstream of Grantville/Marietta in Market Zone M3 must be balanced such that actual deliveries of gas out of the system must be equal to or less than scheduled deliveries out of the system. The penalty shall apply to each dekatherm of actual delivery quantities that exceeds the greater of 2,000 Dth or 102% of scheduled delivery quantities. The penalty will be equal to three times the arithmetic average of daily Platts Gas Daily "Daily Price Survey" posting for the High Common price for the geographical region, as defined in Section 8.5(a) of the General Terms and Conditions of TE's PERC Gas Tariff for the day on which such violation occurred. In addition, TE will not permit retroactive nominations to avoid an OFO penalty.

This individual OFO will remain in effect until cancelled by Texas Eastern.

Please call your Account Manager if there are questions pertaining to this notice.

[BackPrint](#)

**EXHIBIT UGI-SMH-3**

**(Columbia critical day notice)**

TSP Name	Columbia Gas Transmission, LLC	TSP	054748041	D. E. Lahoff Date	Time
Notice ID	24271033	Notice Type Description:	Capacity Constraint	Post	02/10/15
		Notice Stat Desc:	Initiate	Notice Effective	02/10/15
		Prior Notice:		Notice End	03/11/15
		Critical:	Y		
		Reqr'd Rsp Desc:	No Response Required	Response	

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Subject: CRITICAL DAY - TRANSPORT for Thursday, February 12, 2014

Author: Cindy Burnette

## Notice Text

Shippers are advised that based on weather forecasts, supplies, and markets, Thursday, February 12, 2015 and until further notice, will be deemed to be Transport Critical Days in all Market Areas on the TCO system except Market Area 20, pursuant to the General Terms & Conditions of TCO's FERC Gas Tariff, Section 19.7. TCO is evaluating the need for Critical Days for transport and storage beyond Thursday, February 12, 2015, and will notify customers as soon as possible. Also, based on extended forecasts, TCO anticipates the need for a Critical Day in Market Area 20 by the weekend and will post as necessary.

**TRANSPORT CRITICAL DAY:** For the Transportation Critical Day Thursday, February 12, 2015 and until further notice, the following penalty will apply to all Market Areas except Market Area 20:

TFE - If Shipper's takes on any Day exceed the greater of 103 percent of or 1,000 Dths more than its Total Firm Entitlement (TFE), Shipper shall be assessed and pay a penalty based on the higher of: (i) a price per Dth equal to three times the midpoint of the range of prices reported for "Columbia Gas, Appalachia" as published in Platts Gas Daily price survey for all such quantities in excess of its TFE, or (ii) a price per Dth equal to 150 percent of the highest midpoint posting for either: Mich Con City-gate, Transco, Zone 6 Non-N.Y., or Texas Eastern, M-2 Receipts as published in Platts Gas Daily price survey for all such quantities in excess of its TFE. Section 19.1(ii) penalties will only be assessed on days in which the daily spot price of gas exceeds three times the midpoint of the range of prices reported for "Columbia Gas, Appalachia."

In order to ensure the safety and reliability of its system, as well as to protect firm service entitlements within the affected Market Areas, Columbia will be evaluating whether shippers have exceeded their TFE within the specific Market Areas affected by the Critical Day. Firm entitlements in other Market Areas will not be included in determining whether a shipper's flows are within their TFE in any Market Area subject to the Critical Day. If you have questions, please contact your Customer Services Representative.



**EXHIBIT UGI-SMH-4**

(Transco OFO notice)

**TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC**

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Critical: Y  
Notice Eff Date: 02/13/2015  
Notice Eff Time: 09:00:00 CST  
Notice End Date:  
Notice End Time:  
Notice ID: 6307114  
Notice Stat Desc: Initiate  
Notice Type Desc: OFO  
Post Date: 02/11/2015  
Post Time: 13:50:39 CST  
Prior Notice: 0  
Reqrd Rsp Desc: No response required  
Rsp Date:  
Rsp Time:  
TSP: 007933021  
TSP Name: TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC

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**Notice Text:**

**Subject:** Imbalance Operational Flow Order

Transco recently provided notice that temperatures below normal were forecasted for most of its market area and recommended all shippers manage their system requirements to ensure a concurrent balance of receipts and deliveries. Those forecasted temperatures are expected to continue for the next several days.

In order to ensure system integrity, manage imbalances on its system and handle within-the-day volatility, effective with the beginning of gas day Friday, February 13, 2015 Transco is issuing an Imbalance Operational Flow Order (OFO) for Zones 4, 5, and 6.

This OFO is directed to Buyers (Shippers) consistent with Section 52 of Transco's FERC Gas Tariff General Terms and Conditions with a minimum \$50 per dt penalty. This OFO will continue until further notice and requires that all buyers with deliveries in Zones 4, 5, and 6 ensure that their daily "Due From Shipper" imbalance (i.e. short to the pipeline) be no greater than 5% or 1,000 dts whichever is greater, for each gas day during the effectiveness of the OFO. Buyers with imbalances greater than the allowed tolerance will be subject to penalties specified in section 52.5 of Transco's FERC Gas Tariff General Terms and Conditions.

Imbalances incurred at locations with an OBA will not be subject to this Operational Flow Order. Buyers (Shippers) with daily "Due To Shipper" imbalances (i.e. long to the pipeline) will not be subject to this Operational Flow Order.

Additional information on Operational Flow Orders is available at this link.  
[http://www.1line.williams.com/Transco/files/training/Critical\\_Day.pdf](http://www.1line.williams.com/Transco/files/training/Critical_Day.pdf)

Transco will notify all parties via 1Line as soon as operations on its system allow the termination of this OFO.

Please contact your Transportation Services Representative if you have any questions.

Ross Sinclair

Manager, Pipeline Control

**EXHIBIT UGI-SMH-5**

(Choice tariff changes)

**RULES AND REGULATIONS (Continued)****7. NOMINATION PROCEDURE**

- 7.1 Customer Choice Nomination Procedure. The Nomination Procedure specifies requirements for nominating, scheduling, balancing, and communicating information relating to Choice Supplier's gas deliveries for customers served under Rates RT, NT and CT.
- 7.2 Contact Persons. A list of Company contact persons will be posted on the Company's Web Site, located at <http://www.ugi.com/gas/delivery>, or its successor, along with their department affiliation, telephone number, and fax number.
- 7.3 Mandatory Assignment. As used in this tariff the term "Firm Commodity Supply Alternative" shall mean a Company purchase of natural gas, delivered directly to its distribution system or at points along Company pipeline capacity routes (Commodity Delivery Points), constituting a component of Company's PGC supply portfolio and an alternative to pipeline capacity contracts upstream of the Commodity Delivery Points or other firm sources of PGC supply. Firm Commodity Supply Alternative contractual arrangements may require the payment of demand charges or minimum take requirements. Except as provided below, Choice supplier shall be required to accept releases of Company pipeline capacity combined with bundled city gate sales and, as applicable, peaking sales of gas from Company and sales of gas associated with Firm Commodity Supply Alternative arrangements, in accordance with the following:

A monthly release of interstate pipeline capacity or allocation of Firm Commodity Supply Alternative in an amount equal to ~~forty-one~~ forty-one percent (~~52.1~~ 52.1%) of the PDDR of the Choice Customers served by the Choice Supplier during the month shall be released or allocated at a price equal to the projected weighted average demand cost of all PGC capacity, storage, peaking and Firm Commodity Supply Alternative assets, divided by ~~52.46~~ 52.46.

UGI shall also provide Choice Suppliers with a must-take monthly bundled sale quantity ("MBSQ") during each winter month of November through March, and the Choice Supplier would be permitted to nominate and purchase gas at UGI city gates throughout each winter month, subject to the maximum daily quantity ("MDQ") limits, up to the MBSQ. The MDQ equals ~~twenty-eight~~ twenty-six percent (~~28.26~~ 28.26%) of the PDDR of the Choice Customers served by the Choice Supplier during the month multiplied by the percentage shown on ~~Table 3 of Exhibit 1 of Appendix C to the stipulation in settlement filed August 23, 2011, at Docket No. R-2011-2238953~~ UGI's Gas Management website under the heading Maximum Daily Bundled Sale Percentages. The minimum daily quantity is zero. Choice Suppliers would be required to nominate to UGI a daily quantity for bundled sales no later than 8:45 A.M. Eastern Prevailing Time on each Intercontinental Exchange ("ICE") trading day for deliveries applicable to the ICE flow dates. If no nomination is received, the nomination quantity would default to zero. UGI reserves the right to issue operational flow orders ("OFO") that can modify the daily bundled sale flexibility or require certain levels of deliveries from the released firm transportation contracts. These OFOs would be issued for operational reasons only. MBSQs would be based on UGI's storage withdrawal plan, to be updated annually, and communicated as a percentage of each Choice Supplier's pre-month normalized delivery requirements, which will be shown on UGI's Gas Management website under the heading Must-Take Monthly Bundled Sale Percentages. ~~Example percentages of the pre-month normalized delivery requirements are shown in Table 2 of Exhibit 1 of Appendix C to the stipulation in settlement filed August 23, 2011, at Docket No. R-2011-2238953.~~ If the full MBSQ is not nominated and purchased by the end of each such winter month, the shortfall ("Bundled Sale Cash-In quantity") would be purchased by the PGC ("Bundled Sale Cash-In amount") as follows:

(C) Indicates Change

Issued: June 1, 2015

Effective for Service  
Rendered on and after  
December 1, 2015

UGI UTILITIES, INC.

**RULES AND REGULATIONS (Continued)**

**7. NOMINATION PROCEDURE**

- a. The DDR Variation Percentage is the sum of the actual DDRs experienced by a Choice Supplier divided by the sum of the pre-month average DDRs that was used to calculate the MBSQ, converted to a percentage. For any month where the DDR Variation Percentage is greater than ninety percent (90%), the Bundled Sale Cash-In amount would equal (1) the product of (a) 0.90 times the lowest absolute low for the ~~Henry Hub Texas Eastern, M-2 receipts~~ index price as published in ~~Platts' Gas Daily~~ for the applicable month of flow minus (b) the summer index price used for bundled sales (the "Bundled Sale Cash-In index") times (2) the Bundled Sale Cash-In quantity. If the resulting amount is positive, it would be credited to the Choice Supplier, or if negative, would be billed to the Choice Supplier.
- b. In recognition of the effects of extreme warm weather conditions, shortfall amounts would be purchased as follows under such conditions:
  - i. For any month where (a) the DDR Variation Percentage is less than or equal to ninety percent (90%) and (b) the Bundled Sale Cash-In quantity is less than or equal to the MBSQ minus the product of the DDR Variation Percentage times the MBSQ, then the Bundled Sale Cash-In amount would equal (1) the First of the Month Price called "Columbia Gas Transmission Corp., Appalachia" as published in ~~Platts' Gas Daily Price Guide ("Inside FERC")~~ for the month subsequent to the applicable month in which the Bundled Sale Cash-In quantity was created minus the summer index price used for bundled sales (the "Alternate Bundled Sale Cash-In Index") times (2) the Bundled Sale Cash-In quantity. If the resulting amount is positive, it would be credited to the Choice Supplier, or if negative, would be billed to the Choice Supplier.
  - ii. For any month where (a) the DDR Variation Percentage is less than or equal to ninety percent (90%) and (b) the Bundled Sale Cash-In quantity is greater than the MBSQ minus the product of the DDR Variation Percentage times the MBSQ, then the Bundled Sale Cash-In amount would equal (1) the Alternate Bundled Sale Cash-In Index, as defined in Section 7.3.b.i, times the DDR Variation Percentage times the MBSQ plus (2) the Bundled Sale Cash-In Index, as defined in Section 7.3.a, times the difference of the Bundled Sale Cash-In quantity minus the product of the DDR Variation Percentage times the MBSQ. If the resulting amount is positive, it would be credited to the Choice Supplier, or if negative, would be billed to the Choice Supplier.

In addition to the bundled sales described above, Choice Suppliers shall be required to purchase from UGI a separate bundled sale on peak days ("Peaking Sale") equal to an amount up to ~~twenty-three~~ thirty-three percent (33%) of the PDDR of the Choice Customers served by the Choice Supplier during the month. The Peaking Sale would be made on winter days when the Choice Supplier's DDR exceeds the sum of the released firm capacity and the MDQ associated with the bundled sale. The Peaking Sale quantity would be the difference of the Choice Supplier's DDR minus the sum of the released firm capacity and the MDQ associated with the bundled sale. The Peaking Sale price would be based on the commodity cost of UGI's peaking services. If weather conditions cause the Choice Supplier's DDR to exceed the Choice supplier's PDDR, the Choice Supplier would be responsible for arranging for supplies to meet the additional delivery requirements for its Choice Customers.

(C) Indicates Change

Issued: June 1, 2015

Effective for Service  
Rendered on and after  
December 1, 2015

UGI UTILITIES, INC.

**RATE AG (Continued)****AGGREGATION SERVICE**

Switching Fee: \$10 / Customer Switch (The first switch to Rates RT, NT or CT Shall be Free).

Rate AG Enrollment Fee: \$500.

Credit Check of Choice Supplier: \$250 / Credit Check.

Failure to Deliver DDR: ~~\$75 / Dth~~ The difference in price between the highest published index price for Texas Eastern M-3 and the lowest published index price for Texas Eastern M-2, as published in *Platts' Gas Daily* on the table "Daily Price Survey", but shall not be lower than \$0.25, per Dth, applied to the difference between the DDR and the delivered volumes, plus all incremental costs incurred by Company as a result of the failure to deliver the DDR.

The Company may not charge for delivering in excess of the DDR if the overdelivery is anticipated to benefit the distribution system's daily balancing position as determined by Company in its sole discretion.

Failure to Comply With an OFO or DFD: \$75 / Dth plus all incremental costs incurred by the Company as a result of the failure to comply with the OFO or DFD.

Pipeline Capacity: Choice Supplier shall pay directly to the pipeline the charges for any assigned capacity.

Peak Shaving Facilities: As defined below

**NOTICE**

A Choice Supplier must provide Company, or any Commission-authorized alternative Supplier of Last Resort and its Rate RT, NT or CT Customer(s) with ninety (90) days advance written notice of its intention to discontinue natural gas supply service to a Customer(s) for any reason. In the event a Choice Supplier discontinues service or exits the market before its contract for natural gas supply service to a Rate RT, NT or CT Customer expires and such Customer returns to its Supplier of Last Resort, Choice Supplier shall provide all contract billing data required by Company or other Commission-approved Supplier of Last Resort to render bills to Choice Supplier's customers for the period between Choice Supplier's default or exit from the market and the customer's next meter reading date.

**RIGHT OF FIRST REFUSAL**

Should any Choice Supplier stop serving Customers in its Aggregation Pool, the Choice Supplier shall:

Return any capacity originally released, assigned or transferred to it by Company and offer to assign, release or transfer any third party capacity it acquired to serve Rate RT, NT or CT Customers at the contract rate until such time as the Company is able to contract for, using reasonable efforts, operationally equivalent capacity, or if requested, assign, release or transfer the capacity to another Choice Supplier that has accepted the customers in the Choice Supplier's Aggregation Pool; and

(C) Indicates Change

Issued: June 1, 2015

Effective for Service  
Rendered on and after  
December 1, 2015

BEFORE THE  
PENNSYLVANIA PUBLIC UTILITY COMMISSION

PENNSYLVANIA PUBLIC  
UTILITY COMMISSION

v.

UGI UTILITIES, INC., -  
GAS DIVISION

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Docket No. R-2015-2480950

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DIRECT TESTIMONY  
OF  
DAVID C. BEASTEN

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UGI STATEMENT NO. 3

Dated: June 1, 2015

1 **Q. Please state your name, title and business address.**

2 A. David C. Beasten. I am Manager – Supply Planning and Procurement for UGI Utilities,  
3 Inc. (“UGI”) and my business address is 2525 N. 12<sup>th</sup> Street, Reading, PA 19612-2677.

4 **Q. What are your current responsibilities?**

5 A. As Manager – Supply Planning and Procurement, I am responsible for, amongst other  
6 things, long-term supply planning and acquisition for the gas provider-of-last-resort and  
7 electric default service programs of UGI, UGI Penn Natural Gas, Inc. (“PNG”) and UGI  
8 Central Penn Gas, Inc. (“CPG”)

9 **Q. Please describe your educational background and work experience.**

10 A. I have been employed by UGI since 1997. Prior to my current position, I was Director –  
11 Rates. I have also been Director – Electric Power Supply and Rates, Manager – Rates and  
12 Strategic Planning and Manager – Federal Regulatory Affairs and Contract Administration.  
13 From 1980 – 1997, I was employed by Baltimore Gas and Electric Company in numerous  
14 rate, regulatory and gas supply positions. I was employed by Potomac Electric Power  
15 Company from 1977 – 1980. I hold a BA in Economics from the University of Maryland  
16 – Baltimore County and a MBA from the University of Maryland.

17 **Q. Have you previously testified as a witness before the Pennsylvania Public Utility  
18 Commission (“Commission”) or the Federal Energy Regulatory Commission  
19 (“FERC”)?**

20 A. Yes. I have presented testimony before the Commission supporting UGI’s gas customer  
21 choice filing in October, 1999 at Docket No. R-00994786. I also provided testimony before  
22 the Commission in support of UGI’s (a) provider-of-last-resort filing at Docket No. P-  
23 00062212, (b) default service procurement, implementation and contingency plan petition



1 at Docket No. P-2008-2022931, (c) Default Service Rates and AEPS petition at Docket  
2 Nos. P-2008-2063006 and G-2008-2063688, (d) Default Service Rates at Docket Nos. P-  
3 2009-2135496 and G-2009-2135510, (e) default service procurement petition at Docket  
4 No. P-2012-2332010 and (f) default service procurement petition at Docket No. P-2013-  
5 2357013 / G-2013-2357003. I submitted testimony in the 2011 UGI, PNG and CPG PGC  
6 proceedings at Docket No. R-2011-2238953, R-2011-2238943 and R-2011-2238949, the  
7 2012 UGI, PNG and CPG proceedings at Docket No. R-2012-2302220, R-2012-2302221  
8 and R-2012-2302219, the 2013 UGI, PNG and CPG proceedings at Docket No. R-2013-  
9 2361771, R-2013-2361763 and R-2013-2361764 and the 2014 UGI, PNG and CPG  
10 proceedings at Docket No. R-2014-2420276, R-2014-2420273 and R-2014-2420279,  
11 respectively. I have also submitted testimony in the following cases before the Federal  
12 Energy Regulatory Commission: *Tennessee Gas Pipeline Company*, Docket No. RP86-  
13 119; *Columbia Gas Transmission Company*, Docket No. TA87-4-21; and *Columbia Gas*  
14 *Transmission Company*, Docket No. RP91-161.

15 **Q. Were portions of the information filed by UGI in this proceeding prepared by you or**  
16 **persons under your direct supervision and control?**

17 A. Yes. I prepared or supervised the preparation of portions of the May 1, 2015, "Book 1"  
18 supporting information shown on the Table of Contents and Witness Index.

19 **Q. Is the information in these sections true and correct to the best of your knowledge and**  
20 **belief?**

21 A. Yes.

22 **Q. What is the subject matter of your testimony in this proceeding?**

23 A. I will address:

- 1 • Upcoming Peaking Contract Renewals;
- 2 • Peak Day Capacity Status;
- 3 • Termination of a Columbia Gulf Firm Transportation Contract;
- 4 • A Transco Supply Request for Proposal (“RFP”);
- 5 • A RFP for Storage Contract Administration; and
- 6 • Alternate Service Option Investigation.

7 **Upcoming Peaking Contract Renewals**

8 **Q. Please summarize the peaking contracts UGI is currently holding that are expiring**  
9 **in the next year.**

10 A.

	Maximum Daily Quantity (dth/day)	2015-2016 Annual Demand Charge	Expiration Date	Rollover Available
Peaking Service III (Intraday)	34,500	\$6,687,979	3/31/16	Yes
Peaking Service IV (Intraday)	6,012	\$849,684	3/31/16	Yes

11

12 **Q. Were the rollover provisions exercised on any of UGI’s peaking contracts with UGI**  
13 **Energy Services, LLC (“UGIES”) after the just concluded 2014-2015 winter?**

14 A. Yes. There were two contracts, Peaking Service III and Peaking Service IV that were set  
15 to expire on March 31, 2015 and were extended through March 31, 2016. The salient  
16 points of these two contracts are shown below:

1

<u>Contract Terms</u>	<u>Peaking Contract (Peaking III)</u>	<u>Peaking Contract (Peaking IV)</u>
Term	11/1/2013 – 3/31/2015	11/1/2013 – 3/31/2015
Maximum Daily Quantity	34,500 dth per Day	6,012 dth per Day
Maximum Seasonal Quantity	172,500 dth (5 days)	30,060 dth (5 days)
Annual Demand Charge	\$6,591,740 \$191.06/dth	\$837,458 \$139.30/dth
Commodity Charge	Texas Eastern ELA GDA + maximum tariff rates from ELA to M-3	Texas Eastern M-2 GDA + maximum tariff rates from M-2 to M-3, or Columbia Appalachia + max. Tariff Rates , or Transco Zone 4 GDA + max. Tariff Rates from Zone 4 to Zone 6
Nomination Procedure	Intraday	Intraday
Rollover Provision	Yes. Demand Charge increases by GDP Price Deflator.	Yes. Demand Charge increases by GDP Price Deflator.

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Both contracts expired on March 31, 2015 but contain terms permitting the roll-over of the contracts. In last year's PGC settlement (Paragraph 21), UGI was allowed to retain these contracts through March 31, 2016. Therefore, UGI has rolled over these contracts for the period November 1, 2015 through March 31, 2016 and the demand charges were adjusted by the GDP Price Deflator. Next year, if UGI is not aware of an equivalent lower cost service, UGI will roll-over the Peaking Service III & IV contracts until March 31, 2017.

**Peak Day Capacity Status**

10 Q.

**Did UGI's projected peak day change from last year's PGC filing and settlement?**

11 A.

Yes. As shown in Mr. Hart's direct testimony, UGI's peak day capacity for Winter 2015-2016 is 56,993 dth per day short of peak day requirements. This shortage is also projected

12

1 to increase in subsequent years by 15,168 dth per day for the Winters of 2016-2017 through  
2 the 2019-2020.

3 **Q. How does UGI plan on meeting the peak day requirements?**

4 A. UGI has issued an RFP seeking a multi-year 15-day, day-ahead winter peaking service  
5 delivered to various points on the UGI system.

6 **Q. Please describe the RFP issued?**

7 A. The RFP was issued on May 6, 2015 and sent to 77 suppliers. For additional circulation,  
8 the RFP was posted on UGI's website. Exhibit No. UGI-DCB-1 is a copy of the RFP. The  
9 RFP requested proposals for a peaking service that provides UGI the option to call upon  
10 the service for up to 15 days on a 100% load factor basis during the winter (November  
11 through March) period. This gas would be scheduled on a day-ahead basis and would be  
12 subject to the ICE trading schedule. Responses are due June 3, 2015.

13 **Q. Were there any other provisions specified in the RFP?**

14 A. Yes. The RFP further stated UGI would entertain pricing provisions for the commodity  
15 portion of the service that are based on either NYMEX or an index such as Gas Daily. In  
16 either case, the pricing provision included a link to a transparent pricing point. Further,  
17 consistent with UGI's reliability obligations and consistent past practice, each RFP  
18 specified the:

- 19 • Supply must be backed with physical assets;
- 20 • Assets must have a primary firm delivery point into UGI's distribution system;
- 21 • Service must include a roll-over provision to extend the contract;
- 22 • Supplier(s) must agree to a partial awards; and
- 23 • Supplier(s) must agree to enhanced force majeure provisions.

1 **Q. Why must the supplies be asset-backed?**

2 A. Having the supplies backed by an asset ensures the security of supply. Simply saying the  
3 deliveries are firm is not sufficient because flowing supplies not backed by an asset do not  
4 meet UGI's, or any natural gas distribution company's, obligation as a supplier of last  
5 resort to core market customers. UGI must verify that a supplier has an asset, the details  
6 of which will be verified to ensure delivery. These verifications include the sourcing of  
7 supply, primary receipt points, primary delivery points and associated Maximum Daily  
8 Delivery Obligations ("MDDO"). Without the appropriate contract attributes, a supplier  
9 does not have the contractual rights with an interstate pipeline to fulfill its firm obligations  
10 under peak or design conditions.

11 **Q. Why must the assets have a primary firm delivery point of UGI?**

12 A. The delivery point must be primary firm because pipelines rank other nominations,  
13 including secondary firm deliveries, as interruptible which means they are subject to being  
14 cut during peak periods. In recent years, including this past winter, secondary deliveries,  
15 including what would be considered secondary "in-path", have been restricted by some  
16 pipelines. Further, pipeline contracts with primary firm delivery points carry MDDOs  
17 which allocate capacity at specific meters or gate stations. Without these MDDOs,  
18 pipelines can restrict deliveries at specific meters. Therefore, the use of any capacity that  
19 is not primary firm, such as so-called "firm" capacity with secondary delivery points, won't  
20 provide security of supply, especially under peak day conditions.

21 **Q. Why did UGI include enhanced force majeure provisions in the contract?**

22 A. UGI required enhanced force majeure provisions because there are many different  
23 definitions of firm service throughout the industry. UGI wants to ensure the replacement

1 service is as reliable as the existing peaking contracts and no less reliable than a no-notice  
2 service from an interstate pipeline. For example, UGI has found some wholesale suppliers  
3 or marketers who cite a weather related event such as cold weather leading to well freeze-  
4 offs in one geographic region of the country (i.e. Oklahoma) as a reason to interrupt or cut  
5 supplies delivered in a separate geographic region of the country (i.e. Pennsylvania). This  
6 extremely broad interpretation could be used by a supplier to price arbitrage by cutting a  
7 supply on the basis of an alleged weather related force majeure event and then selling the  
8 gas that would have been delivered in another market at a higher price.

9 **Q. Is there any reason why enhanced force majeure provisions are particularly**  
10 **appropriate for peaking services?**

11 A. Yes. When UGI reserves pipeline capacity to an upstream location with liquid trading, it  
12 still makes every effort to limit the possibility of price arbitrages in the standard NAESB  
13 contracts it uses, but in the event of non-performance it knows it may be able to obtain  
14 replacement supplies. Delivered services, however, are delivered to UGI's city gates, and  
15 without making appropriate arrangements well in advance of the winter it is unlikely that  
16 UGI would be able to purchase replacement supplies during design cold conditions in the  
17 event of a failure to deliver. By including the enhanced force majeure provision in the  
18 RFP, UGI can be assured that potential bidders have been provided with a clear expectation  
19 of the required level of service. The enhanced force majeure provisions UGI requested in  
20 its peaking services RFP are part of Exhibit No. UGI-DCB-1.

21 **Q. Why is the contract extension important for this RFP?**

22 A. Having the right to extend or roll-over the contract provides supply certainty beyond the  
23 initial term of the contract. This provision is similar to the Right of First Refusal ("ROFR")

1 provisions and simple roll-over provisions in pipeline contracts. These provisions ensure  
2 that the capacity will be available to UGI once the primary term of the contract expires.

3 **Q. How will UGI analyze the responses received?**

4 A. First, the offers will be examined to determine if they meet the requirements of the RFP.  
5 UGI will examine the offers to determine if the proposed service (1) is firm and backed by  
6 assets, (2) can be delivered to the points specified by UGI, (3) complies with the enhanced  
7 force majeure provisions, and (4) provides for an extension of the contracts.

8 **Q. Prior to issuing the RFP, did UGI consider any other pipeline capacity as an option  
9 to meet these peaking requirements?**

10 A. Yes. UGI submitted bids in two open seasons Columbia held in late 2014 for capacity that  
11 could serve UGI. The open seasons were part of the ROFR process where the current  
12 customer has the right to match the highest bid received and can retain the capacity. The  
13 first open season was for Columbia's Firm Storage Service ("FSS") that would have been  
14 effective April 1, 2015. The second open season was for Columbia Firm Transportation  
15 service that would have become available May 1, 2015. In both cases, the original  
16 customer opted to match the bids and retain the capacity. Other than the potential for this  
17 additional Columbia capacity, there is not any pipeline capacity available at system  
18 recourse rates from the three pipelines serving UGI. UGI has also explored incremental  
19 pipeline capacity options for the upcoming 2015-2016 winter, but is not aware of any that  
20 is available. Incremental pipeline capacity, when available, has generally been more  
21 expensive than the incremental services UGI has been able to secure. Further, the lead  
22 time from when the pipeline first announces the project to when it is placed in service is  
23 generally at least 3 years. Therefore, incremental capacity that pipelines may be offering

1 now can't be used to meet the growth in peak loads that occurred this year. UGI continues  
2 to monitor new pipeline projects for additional capacity or capacity that could replace  
3 existing peaking contracts, but so far either no project has been able to provide deliveries  
4 to UGI or the stated cost of the capacity has been more than UGI's alternative options.

5 **Q. Has UGI participated in Open Seasons for pipeline expansion projects?**

6 A. Yes. UGI has submitted non-binding offers on three incremental pipeline expansion  
7 projects. Any capacity received from these projects would be priced at incremental  
8 expansion project rates, which will likely be higher than UGI's highest price capacity. The  
9 three open seasons on which UGI submitted non-binding offers are:

- 10 • Transco Diamond East Project;
- 11 • Texas Eastern A2M Project; and
- 12 • Texas Eastern Marcellus to Market Project.

13 Each project is designed to transport Marcellus supplies away from the production area.  
14 Texas Eastern has rolled the A2M project into the Marcellus to Market project. Both  
15 projects traverse UGI's service territory and would likely provide primary firm deliveries  
16 to UGI's city gates. There are still too many open issues to know if UGI will ultimately  
17 enter into a firm agreement for additional capacity. UGI does not know when binding  
18 offers will have to be made on these projects. The earliest any of these projects could most  
19 likely provide incremental capacity to UGI would be for the 2017 -2018 winter.

20 **Columbia Gulf Firm Transportation Service (Contract No. 80834)**

21 **Q. Is UGI proposing to make any changes to its pipeline contracts?**

22 A. Yes. Most pipeline contracts require that notice be provided before a contract can be  
23 terminated on the expiration date. As these notice dates approach, UGI examines each



1 contract to determine if the contract can be either terminated or should be allowed to roll-  
2 over. The Columbia Gulf Firm Transportation Service (“FTS-1”) provides for the firm  
3 transportation of gas from the Gulf Coast (Rayne, LA) to Columbia Gas Transmission  
4 (“Columbia”) at Leach, KY. Once the gas is delivered to Leach, it is then re-delivered to  
5 UGI using firm transportation contracts held by UGI on Columbia. UGI has determined it  
6 is in the best interest of the PGC customers to provide notice to terminate this contract in  
7 part and to permanently release the remainder in the manner described below. Shown  
8 below are the salient features of this contract.

	Columbia Gulf FTS-1 (Contract No. 80834)
Term	8/1/2008 – 11/1/2015
Primary Receipt Point	Rayne, LA
Primary Delivery Point	Leach, KY (Columbia Gas)
Maximum Daily Quantity	20,000 dth per Day
Annual Demand Charge	\$1,030,000
Nomination Procedure	Standard pipeline schedule
Rollover Provision	Contract contains ROFR provision

10  
11 **Q. What factors did UGI consider in providing the termination notice to Columbia Gulf?**

12 A. The major reason UGI was justified in terminating this contract is the changing dynamics  
13 of natural gas production in the country. Historically, most of the gas consumed on the  
14 East Coast, including UGI’s service area, came from the Gulf Coast or Mid-continent  
15 production areas. Since the Columbia system does not extend to the Gulf Coast, capacity

1 was required on Columbia Gulf in order to access these Gulf Coast supplies. In other  
2 words, UGI would purchase gas in the Gulf Coast production area, transport it on Columbia  
3 Gulf for delivery to Columbia, which would then re-deliver it to UGI city gates. With  
4 ample lower-cost gas supplies now available in the Marcellus region which are available  
5 for transport through the Columbia system, UGI no longer needs the Columbia Gulf  
6 capacity to deliver gas from the Gulf Coast region to the Columbia system.

7 **Q. Please describe the process UGI used to remove this contract from its PGC portfolio?**

8 A. UGI provided notice on April 30, 2015 of its desire to terminate 18,008 dth per day of this  
9 capacity, and, in response to a request from a Rate XD customer, was asked to enter into  
10 an extension of the existing contract for the remaining 1,992 dth per day of the capacity.  
11 Once this new contract with Columbia Gulf is executed, UGI will permanently release the  
12 capacity to the customer at maximum rates, thereby removing the entire contract from its  
13 PGC portfolio.

14 **Q. When will this contract terminate?**

15 A. The contract will terminate on November 1, 2015. The effective date of this contract  
16 extension and the permanent release will be November 1, 2015.

17 **Q. What are the demand cost savings associated with the removal of the Columbia Gulf  
18 contract from UGI's PGC portfolio?**

19 A. The annual demand cost savings are approximately \$1,030,000.

20 **Q. As a result of this decision, will UGI have to change the primary receipt point of  
21 Leach, KY on its Columbia contracts?**

22 A. No.

1 **Q. Is UGI able to purchase primary firm receipt gas on this capacity without the**  
2 **Columbia Gulf upstream capacity?**

3 A. Yes, UGI has structured purchases so that the Marcellus producer has the obligation to  
4 deliver gas to UGI's primary receipt point at Leach, KY in the event Columbia issues  
5 Operational Flow Orders. Additionally, Columbia has two expansion projects designed to  
6 move Marcellus production to Leach for delivery into Columbia Gulf, which will then  
7 deliver the gas into the Gulf Coast region. This reverses the historic path of gas coming  
8 into Columbia from Columbia Gulf. When these projects are completed, Leach should  
9 become a more liquid trading point, providing additional opportunities for UGI to purchase  
10 gas there as required. Thus, UGI does not need to change the Leach receipt point on its  
11 Columbia contracts.

12 **Transco Supply Renewal**

13 **Q. Has UGI issued any other supply-related RFPs that will impact this PGC cycle?**

14 A. Yes. Each year UGI seeks supplies to be delivered into UGI's capacity held on Transco's  
15 Leidy line.

16 **Q. Please explain the RFP process and what type of supply will be requested.**

17 A. UGI issued a RFP on March 10, 2015 to solicit bids for the supply. Responses were due  
18 on April 10, 2015. UGI requested a 12-month contract for firm supplies delivered to  
19 Transco's Leidy line. UGI requested the right to nominate on a monthly basis up to the  
20 maximum daily quantity or 24,700 dth per day. Additionally, UGI requested the right to  
21 schedule on a daily basis the difference between the maximum daily quantity and the  
22 monthly scheduled quantity. Prices for the monthly quantities will be either NYMEX-  
23 based or index-based; with the latter based on the Transco Leidy Line index. To save on

1 the administrative expenses of running multiple RFPs, the volumes requested in this RFP  
2 include 500 dth per day of supply required by PNG and 1,500 dth per day of supply required  
3 by CPG. UGI will sell the volumes required by each company at UGI's cost.

4 **Q. Did UGI include any other provisions in the RFP and selection criteria aside from the**  
5 **general provisions of term, quantities, delivery locations and price?**

6 A. UGI also required the following contract provisions for the same reasons discussed above:

- 7 • Supply must be backed with physical assets.
- 8 • Assets must have a primary firm delivery point into Transco's Leidy line;
- 9 • Supplier(s) must agree to enhanced force majeure provisions; and
- 10 • Supplier(s) must accept partial awards.

11 **Q. How many suppliers received the RFP?**

12 A. UGI sent the RFP to 77 suppliers and for a wider distribution, posted the RFP on its  
13 website. Exhibit No. UGI-DCB-2 is a copy of the RFP.

14 **Q. How many responses to the RFP did UGI receive?**

15 A. UGI received four responses. One response was from UGIES, but for confidentiality  
16 reasons the other three respondent's names ("Suppliers A", "B" and "C") will not be  
17 identified in my testimony.

18 **Q. How did UGI analyze the responses received?**

19 A. First, the offers were examined to determine if they met the requirements of the RFP. UGI  
20 examined the offers to determine if the proposed services (1) were firm and backed by  
21 assets, (2) that the assets had a primary firm delivery point into Transco's Leidy line, and  
22 (3) the supplier would agree to the enhance force majeure provisions. Exhibit No. UGI-  
23 DCB-3 is a copy of the analysis of the offers received. The offer from Supplier C was

1 rejected because it did not meet our requirements for primary firm into Transco's Leidy  
2 line.

3 **Q. To whom did UGI award the RFP?**

4 A. UGI awarded the RFP to Supplier A, the same supplier that has been providing the service  
5 for the past three years.

6 **Storage Contract Administration RFP**

7 **Q. Describe UGI's recent RFP for Storage Contract Administration.**

8 A. UGI's current Storage Contract Administration Agreement ("Agreement") for Columbia  
9 Firm Storage Service ("FSS") expires on October 31, 2015. Therefore, on March 18, 2015,  
10 UGI announced an RFP for Storage Contract Administration for Columbia FSS effective  
11 November 1, 2015, for a three-year term ending October 31, 2018. The RFP sought bids  
12 for an administration fee to be paid to UGI for the right to manage the assets, which include  
13 storage capacity, downstream firm transportation capacity to be used to withdraw gas from  
14 storage to UGI's city gate, and upstream firm transportation capacity to be used to refill  
15 storage.

16 **Q. How did UGI communicate the RFP and when were bids due?**

17 A. The RFP was sent via email on March 20, 2015, to 77 potential asset managers. For wider  
18 circulation, UGI also posted the RFP to its website. Responses were due by close of  
19 business on April 20, 2015.

20 **Q. How many responses were received?**

21 A. As of close of business on April 20, 2015, UGI received one bid from UGIES.

22 **Q. What was UGIES' bid?**

23 A. UGIES' bid was for \$2 million per year over the three-year term.

1 **Q. Did UGI accept UGIES' bid?**

2 A. Yes. The bid was fifty percent (50%) higher than the value UGI is currently receiving for  
3 these assets.

4 **Q. How does the agreement impact PGC customers?**

5 A. Under UGI's incentive sharing mechanism, the administration fee paid by an asset manager  
6 to UGI is shared with 75% of the fee credited to the PGC and 25% retained by UGI. These  
7 credits are included in Attachment 1-B-1, page 7 of 9, and Attachment 1-B-2, page 7 of 9,  
8 on the line labeled "Non-Choice Cap Rel/Sharing Mech Credit" of Book 1. As a result,  
9 PGC customers will experience lower PGC costs than would have been otherwise  
10 experienced without the Agreement. Moreover, PGC customers also benefit since this  
11 credit is guaranteed in advance for the next three years, as compared to the credits which  
12 would be subject to future market conditions that are unknown.

13 **Q. How does the Agreement impact UGI's supply activities?**

14 A. Since UGI is currently utilizing an asset manager, there will be no change to UGI's supply  
15 activities. UGI will continue to make nominations to the asset manager instead of making  
16 these same nominations to multiple interstate pipeline and storage companies. The asset  
17 manager will then assure that UGI receives the requested nominated quantities UGI is  
18 contractually entitled to receive under the Agreement.

19 **Alternative Service Option Investigation**

20 **Q. In last year's PGC proceeding did UGI agree to conduct an investigation?**

21 A. Yes. Specifically, UGI agreed to "explore the costs and benefits of programs and other  
22 options that have the potential to reduce its design day capacity requirements for the

1 purpose of reducing peaking service costs, and will report its findings in its 2015 Section  
2 1307(f) filing.”

3 **Q. Was this settlement provision consistent with a recommendation made in OCA**  
4 **witness Mierzwa’s direct testimony in that proceeding?**

5 A. Yes. In his testimony Mr. Mierzwa expressed concern about the costs of procuring gas  
6 supply assets to meet design cold conditions which may occur infrequently. Consistent  
7 with this concern, Mr. Mierzwa suggested UGI should investigate alternatives, which he  
8 concluded could include the following:

9 *UGI’s design day has been increasing because of conversions by interruptible*  
10 *customers to firm service. It would not be unreasonable to expect former*  
11 *interruptible customers to agree to curtail usage once every forty years for a small*  
12 *fraction of the \$200 to \$355 million UGI would spend to continue serving all*  
13 *customers on that one day. UGI should also explore opportunities with schools or*  
14 *businesses that are likely to be closed when temperature comparable to UGI’s*  
15 *design day occur. An additional alternative would be to acquire capacity sufficient*  
16 *to meet demands at temperatures as low as 1.1°F, and follow the Emergency*  
17 *Service and Curtailment of Service Rules and Regulations (Rule 15) of UGI’s tariff*  
18 *in the event temperatures colder than 1.1 °F are experienced in its primary service*  
19 *territory.*

20 **Q. Initially, was Mr. Mierzwa correct that UGI spends \$200 to \$355 million to be able to**  
21 **serve customers on one day in forty years?**

22 A. No. UGI fulfills its statutory obligation to serve (or stand ready to serve in the case of  
23 choice customers) firm service customers for which it is the supplier of last resort (“Core

1 Market Customers”) by procuring gas supply assets, on a least-cost basis, capable of  
2 meeting the projected needs of such customers at design cold temperatures for its primary  
3 and secondary distribution areas established through a PGC settlement with, amongst  
4 others, the OCA, in UGI’s 2007 PGC proceeding at Docket No. R-00072335. In that  
5 proceeding, UGI proposed to plan to meet Core Market Customer demand at the coldest  
6 design day temperatures experienced over thirty years, but eventually agreed, in settlement,  
7 to plan to a much warmer temperature based on adjustments generally consistent with  
8 recommendations made by OCA witness Mierzwa. In his testimony, Mr. Mierzwa said his  
9 recommendations were consistent with the methodologies used by other Commonwealth  
10 NGDCs in meeting their statutory supplier of last resort obligations. UGI also ranks and  
11 plans to meet the needs of core market customers during the other days of the heating  
12 season, and the shape of the resulting “demand” or “load duration” curve, which is  
13 displayed in Attachment 14.2 of UGI’s Book 1 filing, helps define the mix of pipeline,  
14 storage and peaking assets needed to meet seasonal demand on a least-cost basis. Mr.  
15 Mierzwa’s reference to \$200 to \$355 million was a reference to the costs of the peaking  
16 service asset component of this least-cost gas supply mix extrapolated over 40 years.

17 **Q. Are peaking assets only used when UGI’s system experiences the design temperature**  
18 **established through the settlement in its 2007 PGC proceeding?**

19 A. No. They are used under the conditions graphically displayed on the Book 1 load duration  
20 curve where peaking assets present the least-cost means of meeting UGI’s least-cost gas  
21 supply obligations. This can occur on other than peak days, and in fact UGI utilized  
22 peaking assets over the course of the last winter even though a design peak temperature  
23 was not experienced. Thus, Mr. Mierzwa’s implied premise that UGI is spending hundreds



1 of millions of dollars to meet demand that can only be expected to occur once every forty  
2 years is simply incorrect.

3 **Q. Has UGI considered Mr. Mierzwa's suggestion that UGI consider some means of**  
4 **offering customers switching from interruptible service to firm service some payment**  
5 **for interrupting their firm service as a means of reducing peak day requirements and**  
6 **thus peaking service requirements?**

7 A. Yes. Specifically, UGI considered the following:

- 8 • All of UGI's Core Market Customers are firm service customers;
- 9 • UGI does not have a supplier of last resort obligation with respect to its existing  
10 interruptible service customers or for customers serviced under the larger  
11 volume firm service rate schedules many of its interruptible service C&I  
12 customers are migrating to;
- 13 • With certain limited exceptions authorized in UGI's last base rate proceeding,  
14 and with full reimbursement to the PGC for the costs of such assets, UGI does  
15 not procure and release gas supply assets to such customers, and thus has no  
16 authority to recall such assets on short notice under FERC rules to serve core  
17 market customers in the event of a customer non-performance, bankruptcy or  
18 insolvency;
- 19 • UGI's service territories are located in a portion of the Commonwealth where  
20 existing pipeline infrastructure makes it unlikely UGI could find substitute gas  
21 supply assets on short notice to meet Core Market Customer needs during peak  
22 temperature conditions;

- 1           • UGI does not know, and has no reasonable way of knowing, what value  
2           customers may place on receiving gas on a firm basis, and permits customers  
3           to choose between firm and interruptible service offerings;
- 4           • In making this decision, customers must weigh the benefits of uninterrupted  
5           service (or the costs of using alternate fuels to maintain service during periods  
6           of interruption) against the cost of firm gas service. This would include the  
7           costs of procuring gas supplies on the coldest days; with the price of such assets  
8           being set in the same wholesale gas marketplace where UGI procures supplies  
9           for its Core Market Customers. To the extent these customers have made the  
10          decision to move to firm service, they must have concluded that the benefits are  
11          worth the costs. Thus, having made the decision to move to firm service they  
12          are likely to require substantial payments for agreements to interrupt service;
- 13          • Moreover, customer business conditions can change abruptly for reasons which  
14          are hard to anticipate, such as changes in demand for their products, the sales  
15          or mergers of corporations or macro-economic conditions. As a result,  
16          customers may be unwilling or unable to enter into long-term commitments,  
17          but if contracts are not renewed UGI may not be able to find alternative gas  
18          supply arrangements on short notice;
- 19          • UGI runs an “open valve” system and does not have the physical ability on  
20          short notice to cut off the flow of gas to interruptible customers or a firm service  
21          customer who might contractually agree to a service interruption, which is why  
22          UGI’s tariff contains substantial penalties to encourage interruptible service  
23          customers to interrupt service;

- 1 • Even if UGI were to have the ability to physically shut off the flow of gas to a  
2 firm service customer who would contractually agree to an interruption, such a  
3 physical interruption in the flow of gas would not automatically mean that the  
4 customer would deliver its upstream supplies to UGI, and could instead deliver  
5 such gas to other points;
- 6 • UGI also does not have the systems in place to manage a pool of contractual  
7 agreements to curtail service during specific times and conditions, and is not  
8 aware of any other NGDC across the country that has such a system in place;  
9 and
- 10 • It is not clear that UGI has the legal right to curtail service to firm service  
11 customers absent an emergency curtailment situation.

12 Given these considerations, UGI concluded that a system of contractual agreements to  
13 voluntarily interrupt firm service would be impractical at this time.

14 **Q. Has UGI considered Mr. Mierzwa's suggestion that UGI consider striking deals with**  
15 **schools or other institutions that might be closed on the coldest days to reduce peaking**  
16 **requirement?**

17 A. Yes, but has concluded that this idea is impractical as well. First, as discussed above, Mr.  
18 Mierzwa's premise that peaking assets are infrequently needed is simply incorrect, and  
19 such assets may be needed on short notice on days other than the coldest day when certain  
20 institutions might be closed because of the weather. Second, even assuming there is a pool  
21 of larger volume customers whose demand would fall on days when UGI's peaking assets  
22 are needed the most, and UGI had the systems and legal authority in place to enter into  
23 arrangements that would enable UGI to use their upstream gas supply assets during these

1 periods while maintaining reliability, presumably the costs of gas supply assets used to  
2 serve such customers would reflect their unusual demand characteristics. If UGI had the  
3 right to use their gas supply assets during periods of high and peak demand, these costs  
4 would increase and offset any payments UGI might make. Stated another way, the ability  
5 to deliver gas on the coldest days requires a long-term investment in facilities to provide  
6 this service and ultimately there is no ability to receive the service indirectly without the  
7 costs of the facilities ultimately being reflected in the price of the alternate indirect service.

8 **Q. Has UGI considered Mr. Mierzwa's recommendation that UGI only plan to meet firm**  
9 **demand to a temperature of 1.1°F and engage in emergency curtailments of firm**  
10 **service thereafter?**

11 A. Yes, but this is also both impractical and inconsistent with UGI's public service  
12 obligations. As noted above, UGI's design cold temperature was established in a  
13 settlement with the OCA in UGI's 2007 PGC proceeding and was representative, in Mr.  
14 Mierzwa's own testimony at the time, of the methodology for determining design cold  
15 temperatures used by other NGDCs throughout the Commonwealth. By setting this  
16 temperature, the parties to the settlement and the Commission defined what UGI, as a  
17 system supply planner, must plan for in a least-cost manner to meet its public service  
18 obligations. By definition, planning to meet anticipated load at a higher temperature and  
19 then curtailing firm service to larger customers would be inconsistent with UGI's public  
20 service obligations to firm service customers. Moreover, Mr. Mierzwa also apparently did  
21 not consider that under the Commission's Emergency Curtailment Regulations, UGI would  
22 be obligated to pay for the supplies of large firm service customers whose upstream gas  
23 supply deliveries UGI would confiscate. More importantly, such an extreme and

1           imprudent manner of operation would likely result in large customers resorting to bypass  
2           or the use of alternative and less environmentally beneficial fuels, to the long-term  
3           detriment to UGI's customers and the Commonwealth.

4   **Q.   Does UGI, in the normal course of its gas supply activities, consider alternatives to**  
5   **peaking service?**

6   A.   Yes. UGI always considers the costs and availability of gas supply alternatives when  
7       constructing its gas supply portfolio, and each of these decisions is subject to review in its  
8       annual PGC proceedings.

9   **Q.   Does this conclude your testimony?**

10  A.   Yes.

May 6, 2015

Dear sir or madam:

UGI Utilities, Inc. ("UGI") has a need for a multi-year incremental day-ahead peaking service starting with the winter of 2015 to accommodate growth in UGI's load. UGI is seeking a service backed with physical assets to meet the incremental peak day demand.

Typically, a peaking service is the most effective way of meeting customer demands on extremely cold days. The customer requirements on cold days are referred to as needle peaks because the high loads occur on only a few days or even a few hours during the year. Peaking services are generally tailored for a limited number of high demand days which match the needle peak demands. However, UGI will consider other options to meet needle peaks, such as firm transportation or firm storage, if the service is economical.

Historically, peaking contracts have been an important part of UGI's supply portfolio. Peaking service contracts enable UGI to fulfill its obligation as supplier of last resort, in part, because the peaking supplies are backed by physical assets. UGI is able to verify the source of supply and the physical delivery capacity into UGI's distribution system. The service is similar to a firm service from an interstate pipeline with corresponding primary firm delivery rights including necessary gate station entitlements called Maximum Daily Delivery Obligations ("MDDO"). Therefore, UGI is assured the supply required under peak conditions will not be subject to restrictions which are only waived under extremely limited force majeure conditions.

Given the background above, UGI is announcing a request for proposal for a firm natural gas peaking service to fulfill a portion of UGI's projected peak day demand requirements beginning with the winter of 2015. The proposed day-ahead service needs to provide UGI with the same high level of reliability as UGI receives from its existing peaking contracts and interstate pipeline capacity. UGI will entertain all types and structures of offers that meet UGI's requirements. Additional details and requirements are listed in the attached document. Responses are to be submitted by the close of business June 3, 2015. Please contact me with any questions at [akey@ugi.com](mailto:akey@ugi.com) or (610) 796-3562.

Sincerely,



Andrea Key  
Analyst

**May 6, 2015**

**UGI Utilities, Inc. ("UGI")  
Request for Proposal**

UGI Utilities Inc. ("UGI") is announcing a request for proposal ("RFP") for firm day-ahead natural gas peaking service to potentially fulfill peak day demand requirements. UGI will only accept offers that are backed by firm assets held by the service provider. The firm assets can be either pipeline contracts, firm storage capacity with associated firm transportation, peaking assets or multiple production assets. When submitting a proposal, please include a list of all firm assets and associated quantities relating to your service. The identified assets will be incorporated into the Confirmation Agreement for the winning bidder(s).

If supplies are being sourced from firm pipeline contracts or firm storage, UGI requires the supply service have firm primary delivery rights to UGI due to UGI's responsibility as a public utility and a supplier of last resort. If primary delivery point(s) for the underlying asset(s) are not at UGI, they must be moved to UGI delivery points shown below. If supplies are being sourced from local production assets, UGI will require that the supplier use good industry practices to prevent freeze-offs and other related events from affecting the delivery of supplies.

Correspondingly, UGI will require the winning bidder(s) to agree with the enhanced force majeure provisions set forth below. These provisions will supersede the force majeure provisions set forth in the master NAESB contract and will be incorporated in the Confirmation Agreement exchanged with the winning bidder(s). UGI will also require the winning bidder(s) to agree to the Dodd-Frank Wall Street Reform and Consumer Protection Act ("Dodd-Frank") provisions set forth below, which will be incorporated in the Confirmation Agreement.

Responses are to be submitted electronically via email to Andrea Key (akey@ugi.com) by the close of business June 3, 2015. Partial bids are acceptable. By submitting a proposal to UGI, you, as a bidder, are agreeing to accept an award of service, which could include a partial award. While UGI is requesting a response by June 3, 2015, UGI will not be in a position to award the service until the conclusion of its current Purchased Gas Cost proceeding with the Pennsylvania Public Utility Commission is concluded. Normally, UGI can make such awards by August 15, but is unable to commit to the August 15 date as our decision is contingent upon the results of the proceeding. UGI has the right to reject any and all offers.

**UGI Utilities, Inc. ("UGI")  
Request for Proposal**

**Initial Term:**

Service starting November 1 – March 31 - UGI prefers a 5 year agreement but will entertain other options.

**Contract Renewal:**

UGI shall have a contractual right to renew the supply service upon expiration of the Initial Term. UGI prefers renewal pricing for any proposed demand charges linked to either a cost of service rate or a government inflator such as the gross domestic product, producer price index, or consumer price index.

**Maximum Daily Quantity ("MDQ"):**

Year					
	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
Maximum Daily Quantity ("MDQ") dth per day	56,993	Incremental	Incremental	Incremental	Incremental
		15,168	15,168	15,168	15,168
		Cumulative	Cumulative	Cumulative	Cumulative
		72,161	87,329	102,497	117,665

**Maximum Seasonal Quantity ("MSQ"):**

Year					
	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
Maximum Seasonal Quantity ("MSQ") dth per season	854,895	Incremental	Incremental	Incremental	Incremental
		227,520	227,520	227,520	227,520
		Cumulative	Cumulative	Cumulative	Cumulative
		1,082,415	1,309,935	1,537,455	1,764,975

**Dispatch:**

**First of the month:** UGI will have the firm right to call on any quantity up to the MDQ for delivery on a ratable basis each day of a calendar month. First of the month nominations will be made by 2:00 P.M. E.T. on the penultimate trading day for the NYMEX natural gas futures contract corresponding to the month of delivery.

**Day ahead:** UGI will have the firm right to call on any quantity up to the MDQ for delivery on the subsequent day(s) subject to the ICE delivery schedule. Day-ahead nominations will be made by 9:30 A.M. E.T. on each ICE trading day.

In no event will UGI nominate a combination of first of the month and day ahead quantities that exceed the MDQ.



**Pricing:**

UGI will consider all pricing options including but not limited to a demand charge based on the MDQ and commodity charges as described below:

- First of month quantities based on NYMEX plus a basis, a published index, or a published index plus a basis.
- Day Ahead quantities based on an index price such as one listed in Platts' *Gas Daily*, which could also include a basis.

**Delivery Point:**

Any mutually agreeable interconnection that delivers directly into UGI's distribution system.

### Force Majeure Provisions

- 11.2 Force Majeure shall include, but not be limited to, the following: (i) physical events such as acts of God, landslides, lightning, earthquakes, fires, storms or storm warnings, such as hurricanes, which result in evacuation of the affected area, floods, washouts, explosions, breakage or accident or necessity of repairs to machinery or equipment or lines of pipe, except as provided in Section 11.3; (ii) interruption and/or curtailment of primary Firm transportation and/or storage by Transporters; (iii) acts of others such as strikes, lockouts or other industrial disturbances, riots, sabotage, terrorist actions, insurrections or wars; and (iv) governmental actions such as necessity for compliance with any court order, law, statute, ordinance, regulation, or policy having the effect of law promulgated by a governmental authority having jurisdiction. Seller and Buyer shall make reasonable efforts to avoid the adverse impacts of a Force Majeure and to resolve the event or occurrence once it has occurred in order to resume performance.
- 11.3 Neither party shall be entitled to the benefit of the provisions of Force Majeure to the extent performance is affected by any or all of the following circumstances: (i) the curtailment of interruptible or secondary Firm transportation; (ii) the contractual non-performance or negligence of any affiliate, independent contractor, agent or employee of Seller in operating or maintaining any upstream pipeline facilities utilized by Seller; (iii) the party claiming excuse failed to remedy the condition and to resume the performance of such covenants or obligations with reasonable dispatch; (iv) economic hardship, to include, without limitation, Seller's ability to sell Gas at a higher or more advantageous price than the Contract Price, Buyer's ability to purchase Gas at a lower or more advantageous price than the Contract Price, or a regulatory agency disallowing, in whole or in part, the pass through of costs resulting from this Agreement; (v) the loss of Buyer's market(s) or Buyer's inability to use or resell Gas purchased hereunder, except, in either case, as provided in Section 11.2; or (vi) the loss or failure of Seller's gas supply, including but not limited to the failure of the Seller's gas supply to be delivered to an upstream receipt point on Seller's pipeline capacity, or depletion of reserves, except, in either case, as provided in Section 11.2. In addition to the foregoing, for supplies sourced from local Marcellus production wells, Seller shall not be entitled to the benefit of the provisions of Force Majeure to the extent performance is affected by any or all of the following circumstances: (x) any well failures or freeze-offs; and (y) any failure of conditioning equipment such as regulation, compression or dehydration equipment. The party claiming Force Majeure shall not be excused from its responsibility for Imbalance Charges.

## Dodd-Frank Provisions

12.1. The terms set forth below shall have the meanings ascribed to them below:

“*CFTC*” means the U.S. Commodity Futures Trading Commission.

“*CFTC Regulations*” means the rules, regulations, orders, supplementary information, guidance, questions and answers, staff letters and interpretations published or issued by the CFTC, in each applicable case as amended, and when used herein may also include specific citations to Titles, Parts or Sections of Title 17 of the Code of Federal Regulations without otherwise limiting the applicability of other rules, regulations, orders, supplementary information, guidance, questions and answers, staff letters and interpretations. “*Commodity Exchange Act*” means the U.S. Commodity Exchange Act, as amended, 7 USC Section 1, et seq.

“*Commodity Option*” means a “commodity option” within the meaning of CFTC Regulations.

“*SEC*” means the U.S. Securities and Exchange Commission

“*Swap*” means a “swap” as defined in Section 1a(47) of the Commodity Exchange Act and CFTC Regulations.

“*Trade Option*” means a Commodity Option between the Parties under the Contract that meets the conditions contained in CFTC Regulation 32.3(a).

12.2. The Parties shall seek to agree at the time a transaction is executed whether the transaction is a Trade Option or a contract excluded from the defined term “Swap” or otherwise exempt from reporting. If the transaction is a Trade Option, each Party shall report the transaction in accordance with CFTC Regulations. If the Parties cannot agree as to whether a transaction is a Trade Option or otherwise exempt from reporting, then each Party shall make its own determination.

12.3. Each Party warrants and represents as of the effective date of the Contract and on each date that it enters into a transaction subject to the Contract, that:

(i) It regularly makes or takes delivery of the commodity that is the subject of the transactions that are entered into subject to this Contract in the ordinary course of its business and any transaction it enters into subject to this Contract is entered into in connection with such business;

(ii) To the extent any transaction entered into subject to this Contract contains an embedded option, then *either* the factors determining the exercise of such option are beyond the control of the exercising Party, *or* if it is the offeree, *i.e.*, buyer, of such option, it is a producer, processor, commercial user of, or a merchant handling the commodity, or the products or byproducts thereof, that is/are the subject of the transaction (a “Commercial Party”) and it is entering into the transaction solely for purposes related to its business as such, and if it is the offeror, *i.e.*, seller, of such option, it is either a Commercial Party and it is entering into the transaction solely for purposes related to its

business as such or it is an “eligible contract participant” as defined in Section 1a(18) of the Commodity Exchange Act and the rules, regulations, orders and interpretations of the CFTC and, as applicable, the SEC; and

(iii) It intends to make or take physical delivery of the commodity that is the subject of any transaction it enters into subject to this Contract in accordance with the terms and provisions of the applicable Confirmation Agreement and this Contract.

- 12.4. Each Party will promptly notify the other Party, if any representation made by such Party with respect to the Dodd-Frank Provisions becomes incorrect or misleading in any material respect, and will promptly update such representation.

May 6, 2015  
(Revised May 12, 2015)

Dear sir or madam:

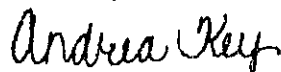
UGI Utilities, Inc. ("UGI") has a need for a multi-year incremental day-ahead peaking service starting with the winter of 2015 to accommodate growth in UGI's load. UGI is seeking a service backed with physical assets to meet the incremental peak day demand.

Typically, a peaking service is the most effective way of meeting customer demands on extremely cold days. The customer requirements on cold days are referred to as needle peaks because the high loads occur on only a few days or even a few hours during the year. Peaking services are generally tailored for a limited number of high demand days which match the needle peak demands. However, UGI will consider other options to meet needle peaks, such as firm transportation or firm storage, if the service is economical.

Historically, peaking contracts have been an important part of UGI's supply portfolio. Peaking service contracts enable UGI to fulfill its obligation as supplier of last resort, in part, because the peaking supplies are backed by physical assets. UGI is able to verify the source of supply and the physical delivery capacity into UGI's distribution system. The service is similar to a firm service from an interstate pipeline with corresponding primary firm delivery rights including necessary gate station entitlements called Maximum Daily Delivery Obligations ("MDDO"). Therefore, UGI is assured the supply required under peak conditions will not be subject to restrictions which are only waived under extremely limited force majeure conditions.

Given the background above, UGI is announcing a request for proposal for a firm natural gas peaking service to fulfill a portion of UGI's projected peak day demand requirements beginning with the winter of 2015. The proposed day-ahead service needs to provide UGI with the same high level of reliability as UGI receives from its existing peaking contracts and interstate pipeline capacity. UGI will entertain all types and structures of offers that meet UGI's requirements. Additional details and requirements are listed in the attached document. Responses are to be submitted by the close of business June 3, 2015. Please contact me with any questions at [akey@ugi.com](mailto:akey@ugi.com) or (610) 796-3562.

Sincerely,



Andrea Key  
Analyst

**May 6, 2015**

**UGI Utilities, Inc. (“UGI”)  
Request for Proposal**

UGI Utilities Inc. (“UGI”) is announcing a request for proposal (“RFP”) for firm day-ahead natural gas peaking service to potentially fulfill peak day demand requirements. UGI will only accept offers that are backed by firm assets held by the service provider. The firm assets can be either pipeline contracts, firm storage capacity with associated firm transportation, peaking assets or multiple production assets. When submitting a proposal, please include a list of all firm assets and associated quantities relating to your service. The identified assets will be incorporated into the Confirmation Agreement for the winning bidder(s).

If supplies are being sourced from firm pipeline contracts or firm storage, UGI requires the supply service have firm primary delivery rights to UGI due to UGI’s responsibility as a public utility and a supplier of last resort. If primary delivery point(s) for the underlying asset(s) are not at UGI, they must be moved to UGI delivery points shown below. If supplies are being sourced from local production assets, UGI will require that the supplier use good industry practices to prevent freeze-offs and other related events from affecting the delivery of supplies.

Correspondingly, UGI will require the winning bidder(s) to agree with the enhanced force majeure provisions set forth below. These provisions will supersede the force majeure provisions set forth in the master NAESB contract and will be incorporated in the Confirmation Agreement exchanged with the winning bidder(s). UGI will also require the winning bidder(s) to agree to the Dodd-Frank Wall Street Reform and Consumer Protection Act (“Dodd-Frank”) provisions set forth below, which will be incorporated in the Confirmation Agreement.

Responses are to be submitted electronically via email to Andrea Key (akey@ugi.com) by the close of business June 3, 2015. Partial bids are acceptable. By submitting a proposal to UGI, you, as a bidder, are agreeing to accept an award of service, which could include a partial award. While UGI is requesting a response by June 3, 2015, UGI will not be in a position to award the service until the conclusion of its current Purchased Gas Cost proceeding with the Pennsylvania Public Utility Commission is concluded. Normally, UGI can make such awards by August 15, but is unable to commit to the August 15 date as our decision is contingent upon the results of the proceeding. UGI has the right to reject any and all offers.

**UGI Utilities, Inc. ("UGI")  
Request for Proposal**

**Initial Term:**

Service starting November 1 – March 31 - UGI prefers a 5 year agreement but will entertain other options.

**Contract Renewal:**

UGI shall have a contractual right to renew the supply service upon expiration of the Initial Term. UGI prefers renewal pricing for any proposed demand charges linked to either a cost of service rate or a government inflator such as the gross domestic product, producer price index, or consumer price index.

**Maximum Daily Quantity ("MDQ"):**

Year					
	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
Maximum Daily Quantity ("MDQ") dth per day	56,993	Incremental 3,968	Incremental 15,168	Incremental 15,168	Incremental 15,168
		Cumulative 60,961	Cumulative 76,129	Cumulative 91,297	Cumulative 106,465

**Maximum Seasonal Quantity ("MSQ"):**

Year					
	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
Maximum Seasonal Quantity ("MSQ") dth per season	854,895	Incremental 59,520	Incremental 227,520	Incremental 227,520	Incremental 227,520
		Cumulative 914,415	Cumulative 1,141,935	Cumulative 1,369,455	Cumulative 1,596,975

**Dispatch:**

**First of the month:** UGI will have the firm right to call on any quantity up to the MDQ for delivery on a ratable basis each day of a calendar month. First of the month nominations will be made by 2:00 P.M. E.T. on the penultimate trading day for the NYMEX natural gas futures contract corresponding to the month of delivery.

**Day ahead:** UGI will have the firm right to call on any quantity up to the MDQ for delivery on the subsequent day(s) subject to the ICE delivery schedule. Day-ahead nominations will be made by 9:30 A.M. E.T. on each ICE trading day.

In no event will UGI nominate a combination of first of the month and day ahead quantities that exceed the MDQ.

**Pricing:**

UGI will consider all pricing options including but not limited to a demand charge based on the MDQ and commodity charges as described below:

- First of month quantities based on NYMEX plus a basis, a published index, or a published index plus a basis.
- Day Ahead quantities based on an index price such as one listed in Platts' *Gas Daily*, which could also include a basis.

**Delivery Point:**

Any mutually agreeable interconnection that delivers directly into UGI's distribution system.



### Force Majeure Provisions

- 11.2 Force Majeure shall include, but not be limited to, the following: (i) physical events such as acts of God, landslides, lightning, earthquakes, fires, storms or storm warnings, such as hurricanes, which result in evacuation of the affected area, floods, washouts, explosions, breakage or accident or necessity of repairs to machinery or equipment or lines of pipe, except as provided in Section 11.3; (ii) interruption and/or curtailment of primary Firm transportation and/or storage by Transporters; (iii) acts of others such as strikes, lockouts or other industrial disturbances, riots, sabotage, terrorist actions, insurrections or wars; and (iv) governmental actions such as necessity for compliance with any court order, law, statute, ordinance, regulation, or policy having the effect of law promulgated by a governmental authority having jurisdiction. Seller and Buyer shall make reasonable efforts to avoid the adverse impacts of a Force Majeure and to resolve the event or occurrence once it has occurred in order to resume performance.
- 11.3 Neither party shall be entitled to the benefit of the provisions of Force Majeure to the extent performance is affected by any or all of the following circumstances: (i) the curtailment of interruptible or secondary Firm transportation; (ii) the contractual non-performance or negligence of any affiliate, independent contractor, agent or employee of Seller in operating or maintaining any upstream pipeline facilities utilized by Seller; (iii) the party claiming excuse failed to remedy the condition and to resume the performance of such covenants or obligations with reasonable dispatch; (iv) economic hardship, to include, without limitation, Seller's ability to sell Gas at a higher or more advantageous price than the Contract Price, Buyer's ability to purchase Gas at a lower or more advantageous price than the Contract Price, or a regulatory agency disallowing, in whole or in part, the pass through of costs resulting from this Agreement; (v) the loss of Buyer's market(s) or Buyer's inability to use or resell Gas purchased hereunder, except, in either case, as provided in Section 11.2; or (vi) the loss or failure of Seller's gas supply, including but not limited to the failure of the Seller's gas supply to be delivered to an upstream receipt point on Seller's pipeline capacity, or depletion of reserves, except, in either case, as provided in Section 11.2. In addition to the foregoing, for supplies sourced from local Marcellus production wells, Seller shall not be entitled to the benefit of the provisions of Force Majeure to the extent performance is affected by any or all of the following circumstances: (x) any well failures or freeze-offs; and (y) any failure of conditioning equipment such as regulation, compression or dehydration equipment. The party claiming Force Majeure shall not be excused from its responsibility for Imbalance Charges.

## Dodd-Frank Provisions

12.1. The terms set forth below shall have the meanings ascribed to them below:

“*CFTC*” means the U.S. Commodity Futures Trading Commission.

“*CFTC Regulations*” means the rules, regulations, orders, supplementary information, guidance, questions and answers, staff letters and interpretations published or issued by the CFTC, in each applicable case as amended, and when used herein may also include specific citations to Titles, Parts or Sections of Title 17 of the Code of Federal Regulations without otherwise limiting the applicability of other rules, regulations, orders, supplementary information, guidance, questions and answers, staff letters and interpretations. “*Commodity Exchange Act*” means the U.S. Commodity Exchange Act, as amended, 7 USC Section 1, et seq.

“*Commodity Option*” means a “commodity option” within the meaning of CFTC Regulations.

“*SEC*” means the U.S. Securities and Exchange Commission

“*Swap*” means a “swap” as defined in Section 1a(47) of the Commodity Exchange Act and CFTC Regulations.

“*Trade Option*” means a Commodity Option between the Parties under the Contract that meets the conditions contained in CFTC Regulation 32.3(a).

12.2. The Parties shall seek to agree at the time a transaction is executed whether the transaction is a Trade Option or a contract excluded from the defined term “Swap” or otherwise exempt from reporting. If the transaction is a Trade Option, each Party shall report the transaction in accordance with CFTC Regulations. If the Parties cannot agree as to whether a transaction is a Trade Option or otherwise exempt from reporting, then each Party shall make its own determination.

12.3. Each Party warrants and represents as of the effective date of the Contract and on each date that it enters into a transaction subject to the Contract, that:

(i) It regularly makes or takes delivery of the commodity that is the subject of the transactions that are entered into subject to this Contract in the ordinary course of its business and any transaction it enters into subject to this Contract is entered into in connection with such business;

(ii) To the extent any transaction entered into subject to this Contract contains an embedded option, then *either* the factors determining the exercise of such option are beyond the control of the exercising Party, *or* if it is the offeree, *i.e.*, buyer, of such option, it is a producer, processor, commercial user of, or a merchant handling the commodity, or the products or byproducts thereof, that is/are the subject of the transaction (a “Commercial Party”) and it is entering into the transaction solely for purposes related to its business as such, and if it is the offeror, *i.e.*, seller, of such option, it is either a Commercial Party and it is entering into the transaction solely for purposes related to its

business as such or it is an “eligible contract participant” as defined in Section 1a(18) of the Commodity Exchange Act and the rules, regulations, orders and interpretations of the CFTC and, as applicable, the SEC; and

(iii) It intends to make or take physical delivery of the commodity that is the subject of any transaction it enters into subject to this Contract in accordance with the terms and provisions of the applicable Confirmation Agreement and this Contract.

- 12.4. Each Party will promptly notify the other Party, if any representation made by such Party with respect to the Dodd-Frank Provisions becomes incorrect or misleading in any material respect, and will promptly update such representation.

**EXHIBIT UGI-DCB-2**

**(Transco Supply RFP)**

March 10, 2015

Dear Sir or Madam:

UGI Utilities, Inc. ("UGI") currently has a firm swing supply contract which terminates October 31, 2015. This firm supply provides UGI with the ability to purchase from zero to its maximum daily quantity on a daily or monthly basis to meet fluctuations in customer demand. The supply is also linked to a published index which provides UGI with transparent pricing.

The expiring supply contract delivers into firm transportation capacity held by UGI. UGI's capacity contracts are with Transco and have primary receipts at Leidy and primary deliveries to UGI's city gate. In order to meet the same reliability standards as upstream pipeline capacity, UGI will verify the supplier's ability to deliver supply into UGI's Transco contracts through firm physical assets, such as, transportation or storage capacity, or production assets.

Having access to a firm supply, coupled with a service provider holding firm physical assets, provides UGI with an appropriately high level of reliability to fulfill its obligation as supplier of last resort for essential human needs. By knowing the supply is backed by physical assets, UGI can more easily verify the source of supply and the delivery capacity to its receipt point.

Given the background above, UGI is announcing a request for proposal for a firm natural gas service to replace UGI's current swing supply contract. This service, at a minimum, needs to provide UGI with the same flexibility and reliability of service as its current contract and an interstate pipeline service. UGI will entertain all types and structures of offers that meet UGI's requirements. Additional details and requirements are listed in the attached document. Responses are to be submitted by close of business on April 10, 2015. Please contact me with any questions at (610) 796-3562.

Sincerely,



Andrea Key  
Analyst

**March 10, 2015**

**UGI Utilities Inc.  
Request for Proposal  
Supply Delivered to Transco's Leidy Line**

UGI Utilities Inc. ("UGI") is announcing a request for proposal ("RFP") for a firm natural gas supply. UGI is seeking a combination of monthly and daily supply through one service for a term of one year with the potential for a multi-year agreement. UGI will only accept offers that are backed by firm assets held by the service provider. The firm assets can be pipeline contracts, firm storage, or multiple production assets. When submitting a proposal, please include a list of all firm assets and associated quantities relating to your service. The identified assets will be incorporated into the Confirmation Agreement for the winning bidder(s).

If supplies are being sourced from firm pipeline contracts or firm storage, UGI requires the supply service have primary firm delivery rights due to UGI's responsibility as a public utility and a supplier of last resort. If supplies are being sourced from local production assets, UGI will require that the supplier use good industry practices to prevent freeze-offs and other related events from affecting the delivery of supplies.

Correspondingly, UGI will require the winning bidder(s) to agree with the enhanced force majeure provisions set forth below. These provisions will supersede the force majeure provisions set forth in the master NAESB contract and will be incorporated in the Confirmation Agreement exchanged with the winning bidder(s). UGI will also require the winning bidder(s) to agree to the Dodd-Frank Wall Street Reform and Consumer Protection Act ("Dodd-Frank") provisions set forth below, which will be incorporated in the Confirmation Agreement.

Responses are to be submitted electronically via email to Andrea Key (akey@ugi.com) by the close of business April 10, 2015. By submitting a proposal to UGI, you, as a bidder, are agreeing to accept an award of service, which could include a partial award. UGI will respond to all submitted responses in a timely manner. UGI reserves the right to reject any and all offers.

## **Firm Swing Supply – Transco Leidy**

**Term:**

November 1, 2015 through October 31, 2016 (UGI will consider other terms)

**Maximum Daily Quantity (“MDQ”):**

Up to 24,700 Dth per day plus Transco’s maximum tariff fuel retainage from Zone 6 to Zone 6  
UGI will not necessarily award the service to one winning bidder. UGI will entertain offers for quantities less than the MDQ. UGI reserves the right to award multiple contracts, when summed, equal to the MDQ.

**Dispatch:**

First of the month: UGI will have the firm right to call on any quantity up to the MDQ for delivery on a ratable basis each day of a calendar month. First of the month nominations will be made by 2:00 P.M. E.T. on the penultimate trading day for the NYMEX natural gas futures contract corresponding to the month of delivery.

Day ahead: UGI will have the firm right to call on any quantity up to the MDQ for delivery on the subsequent day(s) subject to the ICE delivery schedule. Day ahead nominations will be made by 9:30 A.M. E.T. on each ICE trading day.

In no event will UGI nominate a combination of first of the month and day ahead quantities that exceed the MDQ.

**Pricing:**

UGI will consider all pricing options including but not limited to a demand charge based on the MDQ and commodity charges as described below:

- First of month quantities based on NYMEX plus a basis, a published index, or a published index plus a basis
- Day ahead quantities based on an index price such as one listed in Platts’ *Gas Daily*, which could also include a basis.

**Delivery Point:**

Transco’s Leidy line at Leidy or an interconnection with Transco between Leidy and UGI’s city gate meter 1006691.

### Force Majeure Provisions

- 11.2 Force Majeure shall include, but not be limited to, the following: (i) physical events such as acts of God, landslides, lightning, earthquakes, fires, storms or storm warnings, such as hurricanes, which result in evacuation of the affected area, floods, washouts, explosions, breakage or accident or necessity of repairs to machinery or equipment or lines of pipe, except as provided in Section 11.3; (ii) interruption and/or curtailment of primary Firm transportation and/or storage by Transporters; (iii) acts of others such as strikes, lockouts or other industrial disturbances, riots, sabotage, terrorist actions, insurrections or wars; and (iv) governmental actions such as necessity for compliance with any court order, law, statute, ordinance, regulation, or policy having the effect of law promulgated by a governmental authority having jurisdiction. Seller and Buyer shall make reasonable efforts to avoid the adverse impacts of a Force Majeure and to resolve the event or occurrence once it has occurred in order to resume performance.
- 11.3 Neither party shall be entitled to the benefit of the provisions of Force Majeure to the extent performance is affected by any or all of the following circumstances: (i) the curtailment of interruptible or secondary Firm transportation; (ii) the contractual non-performance or negligence of any affiliate, independent contractor, agent or employee of Seller in operating or maintaining any upstream pipeline facilities utilized by Seller; (iii) the party claiming excuse failed to remedy the condition and to resume the performance of such covenants or obligations with reasonable dispatch; (iv) economic hardship, to include, without limitation, Seller's ability to sell Gas at a higher or more advantageous price than the Contract Price, Buyer's ability to purchase Gas at a lower or more advantageous price than the Contract Price, or a regulatory agency disallowing, in whole or in part, the pass through of costs resulting from this Agreement; (v) the loss of Buyer's market(s) or Buyer's inability to use or resell Gas purchased hereunder, except, in either case, as provided in Section 11.2; or (vi) the loss or failure of Seller's gas supply, including but not limited to the failure of the Seller's gas supply to be delivered to an upstream receipt point on Seller's pipeline capacity, or depletion of reserves, except, in either case, as provided in Section 11.2. In addition to the foregoing, for supplies sourced from local Marcellus production wells, Seller shall not be entitled to the benefit of the provisions of Force Majeure to the extent performance is affected by any or all of the following circumstances: (x) any well failures or freeze-offs; and (y) any failure of conditioning equipment such as regulation, compression or dehydration equipment. The party claiming Force Majeure shall not be excused from its responsibility for Imbalance Charges.



## Dodd-Frank Provisions

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“*CFTC*” means the U.S. Commodity Futures Trading Commission.

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“*Commodity Option*” means a “commodity option” within the meaning of CFTC Regulations.

“*SEC*” means the U.S. Securities and Exchange Commission

“*Swap*” means a “swap” as defined in Section 1a(47) of the Commodity Exchange Act and CFTC Regulations.

“*Trade Option*” means a Commodity Option between the Parties under the Contract that meets the conditions contained in CFTC Regulation 32.3(a).

12.2. The Parties shall seek to agree at the time a transaction is executed whether the transaction is a Trade Option or a contract excluded from the defined term “Swap” or otherwise exempt from reporting. If the transaction is a Trade Option, each Party shall report the transaction in accordance with CFTC Regulations. If the Parties cannot agree as to whether a transaction is a Trade Option or otherwise exempt from reporting, then each Party shall make its own determination.

12.3. Each Party warrants and represents as of the effective date of the Contract and on each date that it enters into a transaction subject to the Contract, that:

(i) It regularly makes or takes delivery of the commodity that is the subject of the transactions that are entered into subject to this Contract in the ordinary course of its business and any transaction it enters into subject to this Contract is entered into in connection with such business;

(ii) To the extent any transaction entered into subject to this Contract contains an embedded option, then *either* the factors determining the exercise of such option are beyond the control of the exercising Party, *or* if it is the offeree, *i.e.*, buyer, of such option, it is a producer, processor, commercial user of, or a merchant handling the commodity, or the products or byproducts thereof, that is/are the

subject of the transaction (a "Commercial Party") and it is entering into the transaction solely for purposes related to its business as such, and if it is the offeror, i.e., seller, of such option, it is either a Commercial Party and it is entering into the transaction solely for purposes related to its business as such or it is an "eligible contract participant" as defined in Section 1a(18) of the Commodity Exchange Act and the rules, regulations, orders and interpretations of the CFTC and, as applicable, the SEC; and

(iii) It intends to make or take physical delivery of the commodity that is the subject of any transaction it enters into subject to this Contract in accordance with the terms and provisions of the applicable Confirmation Agreement and this Contract.

- 12.4. Each Party will promptly notify the other Party, if any representation made by such Party with respect to the Dodd-Frank Provisions becomes incorrect or misleading in any material respect, and will promptly update such representation.

Analysis of Ledy Line RFP

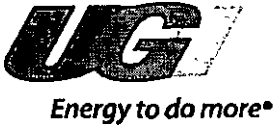
Bidder	Term	MDQ	Delivery Point	Demand \$/Dth	Annual Demand \$	FOM Commodity	Daily Commodity	FOM Nominating	Daily Nominating
UGIES	11/1/2015-10/31/2016	24,779 <i>Amended bid</i>	14,700 Carvorton Rd & 10,000 Wharton Storage	\$ 0.100	\$ 901,553.00	Inside FERC Midpoint Ledy Line Receipts plus .05	Gas Daily Ledy Line Receipts plus .05	by 2PM EST penultimate trading day	by 9:30 am EST restricted to ICE
Supplier A	11/1/2015-10/31/2016	24,779 <i>Amended bid</i>	Transco Ledy Line Receipts	\$ 0.025	\$ 226,126.38	Inside FERC Midpoint Ledy Line Receipts minus .005	Gas Daily Ledy Line Receipts minus .005	none listed	none listed
Supplier B	11/1/2015-10/31/2016	25,000	Transco Ledy Line Receipts	\$ 0.019	\$ 300,000.00	Inside FERC Midpoint Ledy Line Receipts	Gas Daily Ledy Line Receipts	Six business days before start of month	by 9:00 am EST restricted to ICE
Supplier C	11/1/2015-10/31/2016	24,779 <i>Amended bid</i>	Transco Ledy Receipts	\$ 0.0150	\$ 135,665.03	Inside FERC Midpoint Ledy Line Receipts	Gas Daily Ledy Line Receipts	by 2PM EST four business prior to NYMEX settle	by 9:30 am EST restricted to ICE

32% Net 5-6

Where:

Supplier C had the lowest bid but did not meet the requirements for primary firm into the Ledy line

\*\* On Monday, 4/27/2015, Supplier A and C were requested to refresh their bids as of Wednesday 4/29/2015  
Supplier A made no change to their initial bid. Supplier C lowered their demand charge from 0.175 to 0.15



UGI Utilities, Inc.  
2525 N. 12<sup>th</sup> Street  
Suite 360  
PO Box 12677  
Reading, PA 19612-2677

610-796-3400

Paul J. Szykman  
Vice President - Rates & Government Relations  
Vice President & General Manager - Electric Utilities

November 25, 2015

**VIA E-FILING**

Ms. Rosemary Chiavetta, Secretary  
Pennsylvania Public Utility Commission  
Commonwealth Keystone Building  
400 North Street  
Harrisburg, PA 17120

Re: **UGI Utilities, Inc. – Gas Division; Docket No. R- 2015-2480950;  
Purchased Gas Cost Compliance Filing Including Quarterly Adjustment;  
Supplement No. 124 to Tariff Gas - Pa. P.U.C. No. 5;  
Effective December 1, 2015**

Dear Secretary Chiavetta:

On behalf of UGI Utilities, Inc. – Gas Division (“UGI”), please find enclosed for filing the above-referenced tariff supplement, including supporting schedules, in compliance with 52 Pa. Code 53.64(i)(5)(iii) and the Commission’s Order entered October 22, 2015, at Docket No. R-2015-2480950. Supplement No. 124 incorporates the tariff changes resulting from UGI’s annual 1307(f) PGC proceeding, docketed at R-2015-2480950, as well as a quarterly PGC rate change, resulting in a PGC rate decrease of \$0.5885 per Mcf, as well as an increase in the Low Income Self-Help Program Rider Rate of \$0.0863 per Mcf. These rate changes combined result in an estimated bill reduction of approximately 5.7% for UGI’s typical residential heating customer.

Copies of this filing have been served per the attached Certificate of Service. If you need any further information concerning this filing, please contact Stephen Anzaldo, Director – Rates & Regulatory Planning, either by phone at (610) 796-3528 or by email at [sanzaldo@ugi.com](mailto:sanzaldo@ugi.com).

Sincerely,

DocuSigned by:  
  
0D42C0CB3822401...

Paul J. Szykman

Enclosures: Supplement No. 124 to Tariff Gas - Pa. P.U.C. No. 5  
Supporting Documentation

cc: Service List

**CERTIFICATE OF SERVICE**

I hereby certify that I have, this 25th day of November, 2015, served a true and correct copy of the foregoing document in the manner and upon the persons listed below in accordance with requirements of 52 Pa. Code §1.54 (relating to service by a participant):

**VIA FIRST CLASS MAIL:**

Lauren M. Burge, Esquire  
Assistant Consumer Advocate  
Aron J. Beatty, Esquire  
Assistant Consumer Advocate  
Office Of Consumer Advocate  
555 Walnut Street  
5<sup>th</sup> Floor, Forum Place  
Harrisburg, PA 17101-1921

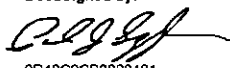
Vasiliki Karandrikas, Esquire  
Teresa K. Schmittberger, Esquire  
Elizabeth P. Trinkle, Esquire  
McNees, Wallace & Nurick  
100 Pine Street  
P.O. Box 1166  
Harrisburg, PA 17108-1166

Scott B. Granger, Esquire  
Prosecutor  
Pennsylvania Public Utility Commission  
Bureau of Investigation and Enforcement  
Commonwealth Keystone Building  
400 North Street  
Harrisburg, PA 17120

Steven Gray, Esquire  
Assistant Small Business Advocate  
Office of Small Business Advocate  
Suite 202, Commerce Building  
300 North Second Street  
Harrisburg, PA 17101

Jerome Mierzwa  
Exeter Associates  
10480 Little Patuxent Parkway  
Suite 300  
Columbia, MD 21044

Robert D. Knecht  
Industrial Economics, Incorporated  
2067 Massachusetts Avenue  
Cambridge, MA 02140

DocuSigned by:  
  
0042C0CB3822401

Paul J. Szykman

Dated: November 25, 2015

**UGI UTILITIES, INC.**  
**GAS TARIFF**  
**INCLUDING THE GAS SERVICE TARIFF**  
**AND**  
**THE CHOICE SUPPLIER TARIFF**

Rates and Rules  
Governing the  
Furnishing of  
Gas Service and Choice Aggregation Service  
in the  
West Region East Region  
Including Territory Described on Pages 8 and 9

Issued: November 25, 2015

Effective for service rendered on and after  
December 1, 2015, in accordance with 52 Pa.  
Code §53.64(i)(5)(iii) and the Commission's  
Order at R-2015-2480950 entered October  
22, 2015

Issued By:

Paul J. Szykman  
Vice President – Rates and Government Relations  
Vice President and General Manager – Electric Utilities  
2525 N. 12<sup>th</sup> Street, Suite 360  
Post Office Box 12677  
Reading, PA 19612-2677

<http://www.ugi.com>

**NOTICE**

This tariff makes increases, decreases and changes to existing rates. (See Page 1.)

**LIST OF CHANGES MADE BY THIS SUPPLEMENT**

(Page Numbers Refer to Official Tariff)

Rules and Regulations – Paragraph 13, Pages 29 and 34

- The Natural Gas Supply charges are increased.
- The PGC (1) Gas Cost Adjustment Charge is increased.
- The PGC (2) Gas Cost Adjustment Charge is increased.
- The PGC (1) Migration Rider is decreased.
- The PGC (2) Migration Rider is decreased.

Rules and Regulations – Paragraph 13, Page 38(a)

- Charges are increased/decreased as noted.

Rider LISHP –Low Income Self Help Program – Page 40

- The LISHP Rate is increased.

Rate R – General Service-Residential –Page 65

- The Total Space Conditioning Discount is changed.

Rate RT – Residential Transportation – Page 67

- The Retainage Rate is decreased to 0.5%.

Rate GL – Gas Light Service –Page 68

- Charges are decreased.

Rate N – General Service-Non- Residential –Page 71

- The Total Space Conditioning Discount is changed.

Rate NT – Non-Residential Transportation – Page 73

- The Retainage Rate is decreased to 0.5%.

Rate GBM – Gas Beyond the Mains –Page 74

- Language is added to the header to clarify the applicability of this Rate Schedule to Single Tank GBM service only.
- This Rate Schedule is cancelled.

Rate GBM – Gas Beyond the Mains –Pages 74(a) and 75

- Language is added to the header to clarify the applicability of this Rate Schedule to Piped Propane GBM service only.
- Charge is decreased as noted and the applicable time frame of such charge is changed.

Rate CT- Commercial and Industrial Air conditioning-Transportation-Page 80

- The Retainage Rate is decreased to 0.5%.

Rate DS - Delivery Service-Page 90

- The Retainage Rate is decreased to 0.5%.

Rate IS - Interruptible Service-Small Volume- Page 99

- The Retainage Rate is decreased to 0.5%.

Rate LFD - Large Firm delivery Service-Page 116

- The Retainage Rate is decreased to 0.5%.

Cover Page, UGI Gas Utilities, Inc. Gas Choice Supplier Tariff

- The issuance and effective dates are updated.

Section 7, Nomination Procedure, Page 139

- Peak Day allocation percentages updated, including Firm Commodity Supply Alternatives.
- Language clarified to reflect where bundled sales percentages are posted on the Company's Gas Management website for Choice Suppliers to reference.

Section 7, Nomination Procedure, Page 140

- Change to the bundled sale cash-in index price.
- Peak Day allocation percentages updated.

Rate AG, Aggregation Service, Page 149

- Change in the penalty rate for failure to deliver.

UGI UTILITIES, INC.

**RULES AND REGULATIONS (Continued)****13. SECTION 1307(f) PURCHASED GAS COSTS****13.1 Provisions for Recovery of Purchased Gas Costs**

The Purchased Gas Cost ("PGC"), or Natural Gas Supply Charge, shall be calculated separately for Rates BD and CIAC ("PGC-2") and for the other rate schedules to which it applies ("PGC-1").

Natural Gas Supply Charge:

(I)	PGC-1	\$ 4.4886 per Mcf
(I)	PGC-2	\$ 3.8975 per Mcf

Gas Cost Adjustment:

(D)	PGC-1	-\$0.2224 per Mcf
(D)	PGC-2	\$0.1952 per Mcf

The PGC shall equal the Natural Gas Supply Charge plus the Gas Cost Adjustment. The Gas Cost Adjustment (previously referred to as the E Factor) is equal to the net over or undercollection of purchased gas costs for each applicable PGC Rate.

**13.2 Computation of Natural Gas Supply Charge**

PGC(1) purchased gas costs, per Mcf, shall be computed to four decimal places in accordance with the formulae set forth below:

For Rate Schedules R, GL, and N:

$$PGC1 = \left( \frac{C1}{S1} \right)$$

Effective December 1, 1993, for PGC(2) purchased gas costs shall be computed as follows:

For Rate Schedules BD and CIAC:

$$PGC2 = PGCC2 + PGCD2$$

$$PGCC2 = \left( \frac{CC2}{S2} \right)$$

(I) Indicates Increase

(D) Indicates Decrease

Issued: November 25, 2015

Effective for Service  
Rendered on and after  
December 1, 2015



**RULES AND REGULATIONS (Continued)**

**13. SECTION 1307(f) PURCHASED GAS COSTS (Continued)**

13.4 Filing with Pennsylvania Public Utility Commission; Audit; Rectification. Each year the Company shall file a statement which reconciles the total fuel revenue with the total fuel cost and explains any difference between incurred cost and allowed cost, consistent with the Company's least cost procurement policy. Charges under the above rate schedule are subject to upward or downward adjustment to correct prior period differences between actual fuel costs and the fuel costs reflected in rates allowed by the Commission.

Quarterly Adjustments

When making the December 1, March 1 and June 1 quarterly C-factor adjustments, the Company will refund or recover all actual and projected incremental over or under collections from December 1 through November 30 over remaining PGC year sales volumes. When making September 1 quarterly C-factor adjustments, the Company will refund or recover all actual and projected incremental over or under collections from December 1 through November 30 over sales volumes applicable to the six months of June through November. Any quarterly PGC rate change will be capped at 25% of the then-current PGC rate, with any amounts above this cap being brought forward for inclusion in the calculation of subsequent quarterly C-factor adjustments. When actual November data is reconciled with the projected November data used to establish PGC rates effective December 1, the resulting over or under collection amount shall be refunded or recovered in the Company's next quarterly filing over the applicable annual PGC sales volumes plus migration rider volumes.

13.5 Migration Rider. This Migration Rider provides for a method under Section 1307 (f) of the Public Utility Code for the recovery of the experienced net under / overcollection of purchased gas costs from customers who shifted from PGC(1) or PGC(2) retail service to Delivery Service or service under Rates RT, NT and CT on or after December 1, 1998. Except for customers served under Rates RT, NT and CT, the Company may waive this rider for customers with competitive conditions.

The Migration Rider Rate for PGC(1) and PGC(2) shall equal the current Section 1307(f) rates less the C-Factors (projected cost of gas) as approved in the Company's most recent Section 1307(f) natural gas cost proceeding. All revenue recovered under this rider will be credited to the Company's Section 1307(f) mechanism. The recovery period for the experienced net over/(under) collection of purchased gas costs from a customer to whom this rider applies will be one year from the date on which a customer last shifted from retail service to delivery service.

Customers that have received transportation service from the Company for at least twelve consecutive months and that transfer to service under Rate R, GL, N, BD or CIAC shall not be charged the associated PGC Gas Cost Adjustment for a period of twelve months.

Applicable Surcharges	<u>\$/MCF</u>
(D) Customers Shifting from PGC-1	- \$0.2224
(D) Customer Shifting from PGC-2	\$0.1952

(D) Indicates Decrease

Issued: November 25, 2015

Effective for Service  
Rendered on and after  
December 1, 2015

UGI UTILITIES, INC.

**RULES AND REGULATIONS****13.B Rider GPC - GAS PROCUREMENT CHARGE****Applicability**

This non-reconcilable Rider shall be applied to rates for each Mcf (1,000 cubic feet) of gas supplied under Rate Schedules R, N, and CIAC of this Tariff, and shall be reflected in the Price to Compare. Effective April 3, 2013, Rider GPC shall be a volumetric charge as described below, and shall remain in effect until reviewed and updated in the Company's next base rate case.

Rider GPC, or Gas Procurement Charge ("GPC"), recovers costs associated with gas procurement that were unbundled from base rates in the Commission's Order at Docket No. R-2012-2314235. The GPC rate is calculated by dividing total unbundled gas procurement costs by the sales volumes for the 12 months ending September 30, 2012, for Rate R, N and CIAC customers as approved by the Public Utility Commission at Docket No. R-2012-2314235.

**Rider GPC Charge**

Rates: R, N and CIAC:

\$ 0.0400 per Mcf

The collection of the Rider GPC charges will be summarized by Rate Schedule sub-accounts in the Gas Operating Revenue FERC Account No. 480000 for Rate R and 481000 for Rates N and CIAC. The associated costs are recorded in FERC Accounts Nos. 920101, 920201, 920401, 920501, 921005, 923001, 923007, 926001 through 926027, 131000 through 176000 and 231000 through 245000.

**13.C PRICE TO COMPARE**

The Price to Compare ("PTC") is composed of the Natural Gas Supply Charge, Gas Cost Adjustment, Gas Procurement Charge and Merchant Function Charge. The PTC rate will change whenever any components of the PTC change. The current PTC rate is detailed below:

	<u>Price to Compare</u>	<u>Rate R / Ccf</u>	<u>Rate N / Mcf</u>	<u>Rate CIAC / Mcf</u>
(I)(I)(I) Natural Gas Supply Charge		\$ 0.44886	\$ 4.4886	\$ 3.8975
(D)(D)(D) Gas Cost Adjustment		- \$ 0.02224	-\$0.2224	\$ 0.1952
Gas Procurement Charge		\$ 0.00400	\$ 0.0400	\$ 0.0400
(D)(D)(D) Merchant Function Charge		\$ 0.00934	\$ 0.0154	\$ 0.0147
(D)(D)(D) Total Price to Compare		\$ 0.43996	\$ 4.3216	\$ 4.1474

(I) Indicate Increase

(D) Indicates Decrease

Issued: November 25, 2015

Effective for Service  
Rendered on and after  
December 1, 2015

UGI UTILITIES, INC.

**14.A. RIDER LISHP - LOW INCOME SELF HELP PROGRAM****Applicable Rates**

This Rider shall be applicable to all Residential Customers except customers in the Company's Low Income Self Help Program (LISHP).

**Character of Rate**

This Rider has been established to recover costs related to the Company's LISHP.

**Rate**

In addition to the charges provided in this tariff, an amount shall be added to the otherwise applicable charge for each Mcf of sales volumes or distribution volumes distributed by the Company to Customers receiving service under Rate Schedules R, RT, or successor rate schedules, as provided below.

(I) Rate per Mcf  
R/RT \$0.0839

Provided, however, that no charge shall be applicable to Customers enrolled in the Company's LISHP.

**Calculation of Rate**

The Rider LISHP shall be determined as follows:

- 1) For up to 4,000 LISHP participants, calculate the LISHP shortfall (the difference between the total residential sales service rate, excluding CAP customer GET Gas charges, and the LISHP rate based upon the current discounts at normalized annual volumes of the then-current LISHP participants) in excess of \$752 per LISHP participant (but in no event shall this amount be less than zero); and
- 2) Add base rate increase amounts permitted under paragraph 11.g.(3) of the restructuring settlement approved by the Pennsylvania Public Utility Commission at Docket No. R-00994786 (Order entered March 14, 2001); and
- 3) Add LIURP amounts permitted under paragraph E (5) of the Terms and Conditions of the Joint Exceptions in Settlement of the Acquisition Proceeding approved by the Pennsylvania Public Utility Commission at Docket No. A-120011F2000 (Order entered August 18, 2006); and
- 4) For existing LISHP participants in excess of 4,000, calculate the total LISHP shortfall; and
- 5) Calculate the total LISHP participant application costs; and
- 6) To the extent LISHP participant levels are in excess of 4,000, calculate one-half of the LISHP shortfall for projected customer additions to LISHP during the period that the LISHP Rider Rate will be in effect at the average discount of current LISHP participants at normalized annual volumes; and
- 7) Divide the sum of the amounts calculated pursuant to paragraphs 1 through 6 by the total annual projected throughput volumes of all residential non-LISHP customers established in the Company's most recent Purchased Gas Cost proceeding to determine the volumetric rate for Rider LISHP.

**Quarterly Adjustment**

The Rider LISHP shall be adjusted quarterly. Each quarter, the Company shall recalculate the Rider LISHP rate pursuant to the calculation described above to reflect the Company's current data for the components used in the LISHP rate calculation. The Company shall file the updated rate with the Commission to be effective one (1) day after filing.

(I) Indicates Increase

Issued: November 25, 2015

Effective for Service  
Rendered on and after  
December 1, 2015

UGI UTILITIES, INC.

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**RATE R (Continued)**

**GENERAL SERVICE - RESIDENTIAL**

Rider MFC, Rider GPC, the State Tax Surcharge, and the Surcharge for Recovery of Transition Costs and the Rider LISHP, as set forth in the Rules and Regulations apply to the above rates.

A late payment charge of 1-1/4% per month is due on all amounts unpaid after the due date.

MINIMUM BILLS

Customer Charge set forth above.

TOTAL SPACE CONDITIONING OPTION

- (C) For Customers who take service under Rate R and have associated gas cooling use billed under this option, the above rates shall be PGC(2) based and shall be reduced by \$0.01735 per 100 cubic feet to reflect the associated gas cost. This option is available only to customers who: 1) utilize natural gas as the primary energy source for space conditioning requirements - heating and cooling, 2) utilize natural gas for water heating purposes, and 3) maintain one or more additional gas appliances (range, dryer, cooktop or oven.) The qualifying natural gas cooling unit must be installed and operational and be of a make/manufacture approved by the Company. Customers receiving service under this option agree to allow the company, at its option, to install load monitoring facilities.

LOW INCOME SELF-HELP PROGRAM (LISHP)

This Low Income Self-Help Program is available to a maximum of 10,000 customers.

(C) Indicates Change

Issued: November 25, 2015

Effective for Service  
Rendered on and after  
December 1, 2015

UGI UTILITIES, INC.

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**RATE RT (Continued)**

**GENERAL SERVICE – RESIDENTIAL TRANSPORTATION**

Where a Customer is returned to the Company or an alternate Supplier of Last Resort prior to the next regular meter reading date, due to the Licensed Choice Natural Gas Supplier's non-performance, Customer will receive service from Company or alternate Supplier of Last Resort for the remainder of the billing month at the contract rate between the Customer and Choice Supplier. Customer must provide evidence of the applicable contract rate, if requested by Company, to receive the contract rate price. As of the next regular meter read date, Customer will be transferred to Rate R, unless enrolled as a Rate RT customer by another Choice Supplier, effective as of the next regular meter read date.

A late payment charge of 1-1/4% per month is due on all regulated amounts unpaid after the due date.

MINIMUM BILLS

Customer Charge set forth above.

GENERAL TERMS

- (D) Company shall retain for Company use and unaccounted for 0.5% of the total volume of gas delivered into its system for Customer's account.

(D) Indicates Decrease

Issued: November 25, 2015

Effective for Service  
Rendered on and after  
December 1, 2015

UGI UTILITIES, INC.

**RATE GL  
GAS LIGHT SERVICE**

AVAILABILITY

This Rate applies to all constant burning gas light service from an unmetered gas supply to installations which meet the requirements of the Company.

MONTHLY RATE TABLE

## A. Gas Service Only

- |     |  |                    |
|-----|--|--------------------|
| (D) | For each light having an input rating of 2-1/2 cubic feet per hour or less, a monthly charge of                  | \$ 12.51 per light |
| (D) | For each additional one-half cubic foot per hour to nearest one-half cubic foot, an additional monthly charge of | \$ 2.42 per light  |

Cost of maintenance and repair is not included in this Rate.

- B. Service under Section B is limited to installations being served and those for which a written commitment for service has been made at June 28, 1974.

## Gas and Maintenance Service

- |     |   |                   |
|-----|---|-------------------|
| (D) | Company will supply gas and maintenance service covering lighting, adjusting, cleaning and mantle replacement for a monthly charge of | \$14.20 per light |
|-----|---|-------------------|

When customer selects a light with gas consumption more than 2-1/2 cu. ft. per hour, the monthly charge will be increased in accordance with the provision of Paragraph A.

(D) Indicates Decrease

Issued: November 25, 2015

Effective for Service  
Rendered on and after  
December 1, 2015

UGI UTILITIES, INC.

**RATE N (Continued)**

**GENERAL SERVICE - NON-RESIDENTIAL**

Plus, if Standby:

Customer Charge Surcharge: \$42.37 per Customer

Plus

Commodity Charge Surcharge: \$0.478 per MCF

Rate MFC, Rider GPC, the State Tax Surcharge, and the Surcharge for the Recovery of Transition Costs as set forth in the Rules and Regulations applies to the above rates.

LATE PAYMENT CHARGE

5% on all amounts unpaid after the due date, and an additional 1-1/2% per month for each month thereafter.

MINIMUM BILLS

Where gas is used for space heating or other use directly related to weather conditions and no gas is separately metered and billed to other Customers on the premises, the bill is 3% of the average monthly use during January, February, and March billing periods of each year, as estimated by the Company.

For all others, the Customer Charge set forth above.

TOTAL SPACE CONDITIONING OPTION

(C) For customers who take service under Rate CIAC and have associated use billed under this option and maintain a load factor consistent with the average PGC(2) group, the above rates shall be PGC(2) based and shall be reduced by \$0.1735 per Mcf to reflect the associated gas cost. This option is available only to customers who utilize natural gas as the primary energy source for space conditioning requirements. Annual load factors shall be reviewed at the end of the October billing period to determine customer eligibility for the following year. Customers receiving service under this option agree to allow the company, at its option, to install load monitoring facilities.

(C) Indicates Change

Issued: November 25, 2015

Effective for Service  
Rendered on and after  
December 1, 2015

UGI UTILITIES, INC.

**RATE NT (Continued)****GENERAL SERVICE - NON-RESIDENTIAL TRANSPORTATION**

Where a Customer is returned to the Company or an alternate Supplier of Last Resort prior to the next regular meter reading date, due to the Choice Natural Gas Supplier's non-performance under Rate AG, Customer will receive service from Company or alternate Supplier of Last Resort for the remainder of the billing month at the contract rate between the Customer and Choice Supplier. Customer must provide evidence of the applicable contract rate, if requested by Company, to receive the contract rate price. As of the next regular meter read date, Customer will be transferred to Rate N, unless enrolled as a Rate NT customer by another Choice Supplier, effective as of the next regular meter read date.

**LATE PAYMENT CHARGE**

5% on all amounts unpaid after the due date, and an additional 1-1/2% per month for each month thereafter.

**MINIMUM BILLS**

Where gas is used for space heating or other use directly related to weather conditions and no gas is separately metered and billed to other Customers on the premises, the bill is 3% of the average monthly use during January, February, and March billing periods of each year, as estimated by the Company.

For all others, the Customer Charge set forth above.

**GENERAL TERMS**

- (D) Company shall retain for Company use and unaccounted for 0.5% of the total volume of gas delivered into its system for Customer's account.

(D) Indicates Decrease

Issued: November 25, 2015

Effective for Service  
Rendered on and after  
December 1, 2015



UGI UTILITIES, INC.

(C)

**RATE GBM – GAS BEYOND THE MAINS (Single Tank Service)**

This Rate Schedule is cancelled.

(C) Indicates Change

Issued: November 25, 2015

Effective for Service  
Rendered on and after  
December 1, 2015

UGI UTILITIES, INC.**(C) RATE GBM – GAS BEYOND THE MAINS (Piped Propane Service)****APPLICABILITY**

- (C) This Page is applicable to customers receiving Piped Propane service in accordance with the Commission's Final Order at Docket No. M-2008-2072850 entered on December 19, 2013.

**AVAILABILITY**

In accordance with the Commission's Final Order at Docket No. M-2008-2072850 entered on December 19, 2013, Rate GBM is available to (1) residential customers until UGI obtains authority from the Commission to abandon such service no later than December 31, 2015 or (2) small commercial customers until UGI obtains authority from the Commission to abandon such service no later than December 31, 2020, who are served by piped propane systems in existence as of December 19, 2013 ("Existing Propane Systems"), or through reasonable extensions of such Existing Propane Systems made consistent with the line extension provisions of this tariff.

**RATE**

The charges for natural gas distribution service for each billing period shall be equal to the current charges set forth in this tariff under the otherwise applicable rate schedule. In addition, Rate GBM customers receiving Piped Propane service shall pay a commodity rate calculated as follows:

Beginning August 1, 2014, an initial rate of \$21.4845 per Mcf (the "GBM Commodity Rate"). This GBM Commodity Rate (a) is designed to recover the full costs of propane acquired to provide GBM service without subsidies from non-GBM service customers, (b) shall be reconciled based on actual GBM commodity rate revenues rerecorded and actual propane costs incurred beginning December 1, 2014 and annually thereafter with any variations being recovered or refunded through a Gas Cost Adjustment (E-Factor) charge to the otherwise applicable commodity rate (the E-Factor effective December 1, 2014, shall be computed based on the ratio of GBM sales to total GBM and PGC1 sales for the twelve month period ending November 30, 2014), (c) shall be subject to quarterly adjustments, effective on one day's notice, effective March 1, June 1 and September 1. To the extent there is an over or under recovery of propane costs at the time Rate GBM service is ended, the balance shall be recovered or refunded from all Rate R, N and CIAC customers by inclusion in the subsequent PGC1 Gas Cost Adjustment charge calculation.

The current GBM rate for customers receiving Piped Propane service is:

- |                |  |                   |
|----------------|--|-------------------|
| <b>(C) (D)</b> | December 1, 2015 through November 30, 2016 | \$12.2823 per Mcf |
|----------------|--|-------------------|

GBM customers may elect to receive natural gas commodity service from an alternate natural gas supplier, but shall still be responsible for payment of the GBM Commodity rate less a credit equal to the current PGC 1 rate to reflect the displacement impact of the alternate natural gas supplier's delivery of associated natural gas into the Company's distribution system.

(C) Indicates Change (D) Indicates Decrease

Issued: November 25, 2015

Effective for Service  
Rendered on and after  
December 1, 2015

UGI UTILITIES, INC.

(C) **RATE GBM – GAS BEYOND THE MAINS (Piped Propane Service) (Continued)**

**ADDITIONAL SERVICE PROVISIONS**

1. The costs of converting a Customer's appliance to or from propane or natural gas service, unless otherwise agreed by Company, shall be paid by the customer.
2. The customer shall provide a suitable location for any required propane facilities as determined by UGI.
3. If propane service is requested by a developer for a planned or actual real estate development with multiple actual or potential service locations, the developer shall enter into an agreement with Company addressing the provision of suitable locations for required propane facilities, appliance conversion characteristics and responsibilities for use of propane distribution facilities.

UGI UTILITIES, INC.

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**RATE CT (Continued)**

**GENERAL SERVICE--COMMERCIAL AND  
INDUSTRIAL AIR CONDITIONING - TRANSPORTATION**

Where a Customer is returned to the Company or an alternate Supplier of Last Resort prior to the next regular meter reading date, due to the Choice Supplier's non-performance under Rate AG, Customer will receive service from Company or alternate Supplier of Last Resort for the remainder of the billing month at the contract rate between the Customer and Choice Supplier. As of the next regular meter read date, Customer will be transferred to Rate N, unless enrolled as a Rate NT customer by another Choice Supplier, effective as of the next regular meter read date.

LATE PAYMENT CHARGE

5% on all amounts unpaid after the due date, and an additional 1.1/2% per month for each month thereafter.

MINIMUM BILL

Customer Charge set forth above.

GENERAL TERMS

- (D) Company shall retain for Company use and unaccounted for 0.5% of the total volume of gas delivered into its system for Customer's account.

(D) Indicates Decrease

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UGI UTILITIES, INC.

**RATE DS (Continued)****DELIVERY SERVICE**

Plus

System Access Fee: The difference between Company assigned (or otherwise assignable) pipeline capacity cost under this rate schedule and the Company's unitized weighted average cost of capacity for service received under this rate schedule, as calculated by the Company.

Plus

Maximum Delivery Charge:

Billing Period:	<u>April through October</u>	<u>November through March</u>
First 500 MCF	\$2.30	\$2.30
Over 500 MCF	\$1.95	\$2.07

The delivery charges set forth above for Rate DS Customers shall be reduced by \$0.06 per MCF for the delivery of Pennsylvania gas to reflect the reduced pipeline charges to the Company associated with transportation of this gas. Such reduction shall also apply to the delivery of other gas where the Company's cost is likewise reduced.

The Surcharge for the Recovery of Transition Costs as set forth in the Rules and Regulations apply to the above rates.

**CHARGE FOR OTHER TRANSPORTATION, CAPACITY AND/OR STORAGE**

If the Customer chooses to use the Company as agent in regard to transportation service by others, any costs calculated by or billed to the Company, with regard to such agency, shall be billed to the Customer by the Company and may include an applicable administrative fee as agreed by the Customer and Company.

**GENERAL TERMS**

Where applicable, the above capacity charges and System Access Fee charges include a PGC credit amount as specified under "General Terms For Delivery Service" and shall be promptly redetermined to reflect changes in such credit in accordance therewith.

- (D) Company shall retain for Company use and unaccounted for 0.5% of the total volume of gas delivered into its system for Customer's account.

(D) Indicates Decrease

Issued: November 25, 2015

Effective for Service  
Rendered on and after  
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UGI UTILITIES, INC.

**RATE IS (Continued)**

**INTERRUPTIBLE SERVICE - SMALL VOLUME**

WAIVER OF PENALTY

The Company shall have the right to waive any penalty for unauthorized use of gas.

DELIVERY SERVICE OPTION

Delivery Service will be provided by the Company where the Customer provides suitable gas delivered to a Company authorized contract receipt point, as determined by the Company in its sole discretion, provided Company has system capacity available in such quantities to meet Customers' requirements. Regardless of flowing gas supply status, Customer may be interrupted as a result of Company system physical constraints.

Gas service in excess of volumes delivered by the Customer shall be provided only in accordance with applicable delivery service balancing provisions or in accordance with optionally elected and approved balancing or standby services and shall only be provided when, in the Company's sole discretion, sufficient system and/or pipeline capacity is available for such services.

DELIVERY SERVICE RATE TABLE

When service under the Delivery Service Option is available, the price shall be set by the Company and *revised from time to time in the same manner as the Commodity Charge under the Monthly Rate Table*, above. The Delivery Service Option price shall be no greater than the otherwise applicable maximum charge for retail service, less the lowest commodity cost of gas from field sources available for delivery by pipeline to the Company.

Gas delivered under the Delivery Service Option or purchased under the Cash-Out provisions of Section 17.4(c) or the Retail and Standby Rider or taken under Rate NNS shall be included in the determination of Unauthorized Overrun gas.

Service under the Delivery Service Option is subject to all the terms set forth in "General Terms For Delivery Service."

Customers served under the Delivery Service Option, either alone or as part of a pooled group, are required to take service under Rate NNS and MBS for their no-notice and balancing requirements. Customers monitored and billed through the use of Company owned automated meter reading facilities at all meter locations shall be exempt from this requirement and shall have imbalance delivery service volumes billed in accordance with Section 17.4(c) of General Terms for Delivery Service. Retail volumes in excess of applicable delivery service volumes shall be billed under the Retail and Standby Rider.

- (D) The Company shall retain for Company use and unaccounted for 0.5% of the total volume of gas delivered into its system for Customer's account.

(D) Indicates Decrease

Issued: November 25, 2015

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Rendered on and after  
December 1, 2015

UGI UTILITIES, INC.

**RATE LFD (Continued)****LARGE FIRM DELIVERY SERVICE**

The delivery charge set forth above shall be reduced by \$0.06 per MCF for the delivery of Pennsylvania gas to reflect the reduced pipeline charges to the Company associated with transportation of this gas. Such reduction shall also apply to the delivery of other gas where the Company's cost is likewise reduced.

- (D) Where applicable, the above capacity charges and System Access Fee charges include a PGC credit amount as specified under "General Terms for Delivery Service" and shall be promptly redetermined to reflect changes in such credit in accordance therewith. The Company shall retain for Company use and unaccounted for 0.5% of the total volume of gas delivered into its system for Customer's account.

**EXCESS TAKE CHARGE**

Except as provided for under Rate NNS or in the Company's *Nomination Procedure*, for authorized usage on any day in excess of the Daily Firm Requirement there will be a charge of \$6.00 per MCF in addition to the charges specified in the rate table.

**MINIMUM BILL**

Monthly: The Minimum Monthly Bill shall be the Customer Charge, Capacity Charge, and System Access Fee Charge.

Annual: The Minimum Annual Bill shall be based on the Customer maintaining a 0.50 annual load factor and shall be due and payable with the bill for the 12th month in the contract year. The Customer's actual load factor shall be determined by dividing the total volume of gas taken during the contract year (including volumes taken under the Retail and Standby Rider, the Cash-Out provisions of Section 17.4(c) and under Rate SS - Storage Service other than Released Gas) by the sum of the Monthly Firm Requirements for the contract year. If the actual load factor is less than 0.50, then, in addition to payment for actual usage, the Customer shall pay a Minimum Annual Bill charge equal to the product of: (1) the difference between 0.50 and the actual load factor, (2) the sum of the Customer's Monthly Firm Requirements, and (3) the average delivery charge paid by the Customer over the previous 12 month period, as calculated by the Company. If the Customer's actual load factor is greater than or equal to 0.50, no Minimum Annual Bill charge will be required.

**CHARGE FOR OTHER TRANSPORTATION**

If the Customer chooses to use the Company as agent in regard to transportation service by others, any costs calculated by or billed to the Company, with regard to such agency, shall be billed to the customer by the Company and may include an applicable administrative fee as agreed by the Customer and Company.

(D) Indicates Decrease

Issued: November 25, 2015

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**UGI UTILITIES, INC**  
**GAS CHOICE SUPPLIER TARIFF**

Rates and Rules  
Governing the  
Furnishing of  
Gas Aggregation Service

Issued: November 25, 2015

Effective for service rendered on and after  
December 1, 2015.

Issued By:

Paul J. Szykman  
Vice President – Rates and Government Relations  
Vice President and General Manager – Electric Utilities  
2525 N. 12<sup>th</sup> Street, Suite 360  
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Reading, PA 19612-2677

<http://www.ugi.com>

**NOTICE**

This tariff makes changes in existing rules and regulations. (See Page 1.)



UGI UTILITIES, INC.

**RULES AND REGULATIONS (Continued)****(C) 7. NOMINATION PROCEDURE**

- 7.1 Customer Choice Nomination Procedure. The Nomination Procedure specifies requirements for nominating, scheduling, balancing, and communicating information relating to Choice Supplier's gas deliveries for customers served under Rates RT, NT and CT.
- 7.2 Contact Persons. A list of Company contact persons will be posted on the Company's Web Site, located at <http://www.ugi.com/gas/delivery>, or its successor, along with their department affiliation, telephone number, and fax number.
- 7.3 Mandatory Assignment. As used in this tariff the term "Firm Commodity Supply Alternative" shall mean a Company purchase of natural gas, delivered directly to its distribution system or at points along Company pipeline capacity routes (Commodity Delivery Points), constituting a component of Company's PGC supply portfolio and an alternative to pipeline capacity contracts upstream of the Commodity Delivery Points or other firm sources of PGC supply. Firm Commodity Supply Alternative contractual arrangements may require the payment of demand charges or minimum take requirements. Except as provided below, Choice supplier shall be required to accept releases of Company pipeline capacity combined with bundled city gate sales and, as applicable, peaking sales of gas from Company and sales of gas associated with Firm Commodity Supply Alternative arrangements, in accordance with the following:

A monthly release of interstate pipeline capacity or allocation of Firm Commodity Supply Alternative in an amount equal to forty-one percent (41%) of the PDDR of the Choice Customers served by the Choice Supplier during the month shall be released or allocated at a price equal to the projected weighted average demand cost of all PGC capacity, storage, peaking and Firm Commodity Supply Alternative assets, divided by .46.

UGI shall also provide Choice Suppliers with a must-take monthly bundled sale quantity ("MBSQ") during each winter month of November through March, and the Choice Supplier would be permitted to nominate and purchase gas at UGI city gates throughout each winter month, subject to the maximum daily quantity ("MDQ") limits, up to the MBSQ. The MDQ equals twenty-six percent (26%) of the PDDR of the Choice Customers served by the Choice Supplier during the month multiplied by the percentage shown on UGI's Gas Management website under the heading Maximum Daily Bundled Sale Percentages. The minimum daily quantity is zero. Choice Suppliers would be required to nominate to UGI a daily quantity for bundled sales no later than 8:45 A.M. Eastern Prevailing Time on each Intercontinental Exchange ("ICE") trading day for deliveries applicable to the ICE flow dates. If no nomination is received, the nomination quantity would default to zero. UGI reserves the right to issue operational flow orders ("OFO") that can modify the daily bundled sale flexibility or require certain levels of deliveries from the released firm transportation contracts. These OFOs would be issued for operational reasons only. MBSQs would be based on UGI's storage withdrawal plan, to be updated annually, and communicated as a percentage of each Choice Supplier's pre-month normalized delivery requirements, which will be shown on UGI's Gas Management website under the heading Must-Take Monthly Bundled Sale Percentages. . If the full MBSQ is not nominated and purchased by the end of each such winter month, the shortfall ("Bundled Sale Cash-In quantity") would be purchased by the PGC ("Bundled Sale Cash-In amount") as follows:

(C) Indicates Change

Issued: November 25, 2015

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Rendered on and after  
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UGI UTILITIES, INC.

**RULES AND REGULATIONS (Continued)****(C) 7. NOMINATION PROCEDURE**

- a. The DDR Variation Percentage is the sum of the actual DDRs experienced by a Choice Supplier divided by the sum of the pre-month average DDRs that was used to calculate the MBSQ, converted to a percentage. For any month where the DDR Variation Percentage is greater than ninety percent (90%), the Bundled Sale Cash-In amount would equal (1) the product of (a) 0.90 times the lowest absolute low for the Texas Eastern, M-2 receipts index price as published in *Platts' Gas Daily* for the applicable month of flow minus (b) the summer index price used for bundled sales (the "Bundled Sale Cash-In index") times (2) the Bundled Sale Cash-In quantity. If the resulting amount is positive, it would be credited to the Choice Supplier, or if negative, would be billed to the Choice Supplier.
- b. In recognition of the effects of extreme warm weather conditions, shortfall amounts would be purchased as follows under such conditions:
- i. For any month where (a) the DDR Variation Percentage is less than or equal to ninety percent (90%) and (b) the Bundled Sale Cash-In quantity is less than or equal to the MBSQ minus the product of the DDR Variation Percentage times the MBSQ, then the Bundled Sale Cash-In amount would equal (1) the First of the Month Price called "Columbia Gas Transmission Corp., Appalachia" as published in *Platts' Gas Daily Price Guide ("Inside FERC")* for the month subsequent to the applicable month in which the Bundled Sale Cash-In quantity was created minus the summer index price used for bundled sales (the "Alternate Bundled Sale Cash-In Index") times (2) the Bundled Sale Cash-In quantity. If the resulting amount is positive, it would be credited to the Choice Supplier, or if negative, would be billed to the Choice Supplier.
  - ii. For any month where (a) the DDR Variation Percentage is less than or equal to ninety percent (90%) and (b) the Bundled Sale Cash-In quantity is greater than the MBSQ minus the product of the DDR Variation Percentage times the MBSQ, then the Bundled Sale Cash-In amount would equal (1) the Alternate Bundled Sale Cash-In Index, as defined in Section 7.3.b.i, times the DDR Variation Percentage times the MBSQ plus (2) the Bundled Sale Cash-In Index, as defined in Section 7.3.a, times the difference of the Bundled Sale Cash-In quantity minus the product of the DDR Variation Percentage times the MBSQ. If the resulting amount is positive, it would be credited to the Choice Supplier, or if negative, would be billed to the Choice Supplier.

In addition to the bundled sales described above, Choice Suppliers shall be required to purchase from UGI a separate bundled sale on peak days ("Peaking Sale") equal to an amount up to thirty-three percent (33%) of the PDDR of the Choice Customers served by the Choice Supplier during the month. The Peaking Sale would be made on winter days when the Choice Supplier's DDR exceeds the sum of the released firm capacity and the MDQ associated with the bundled sale. The Peaking Sale quantity would be the difference of the Choice Supplier's DDR minus the sum of the released firm capacity and the MDQ associated with the bundled sale. The Peaking Sale price would be based on the commodity cost of UGI's peaking services. If weather conditions cause the Choice Supplier's DDR to exceed the Choice supplier's PDDR, the Choice Supplier would be responsible for arranging for supplies to meet the additional delivery requirements for its Choice Customers.

(C) Indicates Change

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UGI UTILITIES, INC.

**RATE AG (Continued)**

(C)

**AGGREGATION SERVICE**

Switching Fee: \$10 / Customer Switch (The first switch to Rates RT, NT or CT Shall be Free).

Rate AG Enrollment Fee: \$500.

Credit Check of Choice Supplier: \$250 / Credit Check.

Failure to Deliver DDR: The difference in price between the highest published index price for Texas Eastern M-3 and the lowest published index price for Texas Eastern M-2, as published in *Platts' Gas Daily* on the table "Daily Price Survey", but shall not be lower than \$0.25/per Dth, applied to the difference between the DDR and the delivered volumes, plus all incremental costs incurred by Company as a result of the failure to deliver the DDR.

The Company may not charge for delivering in excess of the DDR if the overdelivery is anticipated to benefit the distribution system's daily balancing position as determined by Company in its sole discretion.

Failure to Comply With an OFO or DFD: \$75 / Dth plus all incremental costs incurred by the Company as a result of the failure to comply with the OFO or DFD.

Pipeline Capacity: Choice Supplier shall pay directly to the pipeline the charges for any assigned capacity.

Peak Shaving Facilities: As defined below

**NOTICE**

A Choice Supplier must provide Company, or any Commission-authorized alternative Supplier of Last Resort and its Rate RT, NT or CT Customer(s) with ninety (90) days advance written notice of its intention to discontinue natural gas supply service to a Customer(s) for any reason. In the event a Choice Supplier discontinues service or exits the market before its contract for natural gas supply service to a Rate RT, NT or CT Customer expires and such Customer returns to its Supplier of Last Resort, Choice Supplier shall provide all contract billing data required by Company or other Commission-approved Supplier of Last Resort to render bills to Choice Supplier's customers for the period between Choice Supplier's default or exit from the market and the customer's next meter reading date.

**RIGHT OF FIRST REFUSAL**

Should any Choice Supplier stop serving Customers in its Aggregation Pool, the Choice Supplier shall:

Return any capacity originally released, assigned or transferred to it by Company and offer to assign, release or transfer any third party capacity it acquired to serve Rate RT, NT or CT Customers at the contract rate until such time as the Company is able to contract for, using reasonable efforts, operationally equivalent capacity, or if requested, assign, release or transfer the capacity to another Choice Supplier that has accepted the customers in the Choice Supplier's Aggregation Pool; and

(C) Indicates Change

Issued: November 25, 2015

Effective for Service  
Rendered on and After  
December 1, 2015

**UGI Utilities, Inc. - Gas Division  
Purchased Gas Cost Rates  
Effective December 1, 2015**

**Supporting Documentation**

Schedule A  
Page 1 of 3**UGI Utilities, Inc. - Gas Division  
Computation of the Cost of Gas  
Applicable to Rates: R, GL, & N****Effective December 1, 2015  
Computation Year Ending November 30, 2016**

C1 - Projected Cost	\$ 139,074,341
S1 - Projected Sales - Mcf	30,587,680
C1 / S1 Projected Cost per Mcf	\$ 4.5467
IRC - Interruptible Revenue Credit	\$ (0.0581)
E1 - Experienced Cost	\$ (6,992,453)
E1 / S1 Experienced Cost per Mcf 1/	\$ (0.2224)
PGC1 = (C/S + E/S) @ 12/1/2015 - (per Mcf)	\$ 4.2662
PGC1 = (C/S + E/S) @ 6/1/2015 - Current (per Mcf)	\$ 4.8547 2/
PGC1 Change (per Mcf)	\$ (0.5885)
Residential Heating Percent Change	-6.7%

1/ See Schedule C, Page 1 for the development of this rate.

2/ See Supplement No. 121 to Tariff UGI Gas - Pa. P.U.C. No. 5, effective June 1, 2015.

Schedule A  
Page 2 of 3

**UGI Utilities, Inc. - Gas Division  
Computation of the Cost of Gas  
Applicable to Rates:  $\beta$ D & CIAC**

**Effective December 1, 2015  
Computation Year Ending November 30, 2016**

C2 - Projected Cost	\$	94,994
S2 - Projected Sales - Mcf		24,015
C2 / S2 Projected Cost per Mcf	\$	3.9556
IRC - Interruptible Revenue Credit	\$	(0.0581)
E2 - Experienced Cost	\$	4,687
E2 / S2 Experienced Cost per Mcf 1/	\$	0.1952
PGC2 = (C/S + E/S) @ 12/1/2015 - (per Mcf)	\$	4.0927
PGC2 = (C/S + E/S) @ 6/1/2015 - Current (per Mcf)	\$	4.8451 2/
PGC2 Change (per Mcf)	\$	(0.7524)

1/ See Schedule C, Page 1 for the development of this rate.

2/ See Supplement No. 121 to Tariff UGI Gas - Pa. P.U.C. No. 5, effective June 1, 2015.

Schedule A  
Page 3 of 3UGI Utilities, Inc. - Gas Division  
Computation of the Cost of Gas  
Applicable to Rate: GBMEffective December 1, 2015  
Computation Year Ending November 30, 2016

C(GBM) - Projected Cost	\$	768,897	\$	14.0988
S(GBM) - Projected Sales (Mcf)		54,536		
C(GBM) / S(GBM) Projected Cost per Mcf	\$	14.0988		
IRC - Interruptible Revenue Credit	\$	(0.0581)		
E(GBM) - Experienced Cost Rate	\$	95.892		
E(GBM) / S(GBM) Experienced Cost per Mcf 1/	\$	(1.7583)		
PGC(GBM) = (GSC(GBM) + GCA) @ 12.1.2015 - (per Mcf)	\$	12.2823		
PGC(GBM) = (GSC(GBM) + GCA) @ 6.1.2015 - Current (per Mcf)	\$	14.8907 2/		14.55602038
<u>PGC Change</u>	\$	<u>(2.6084)</u>		

1/ See Schedule C, Page 1 for the development of this rate.

2/ See Supplement No. 121 to Tariff UGI Gas - Pa. P.U.C. No. 5, effective June 1, 2015.

**UGI Utilities, Inc. - Gas Division**  
**Development of the Projected Cost: C1 and C2**  
**For the 2015 PGC Year**

Schedule B  
 Page 1 of 14

Effective December 1, 2015  
 Computation Year Ending November 30, 2016

Month	Year	Projected Sales (Mcf) 1/			PGC1 Rate	PGC2 Rate	PGC Revenue	C	Projected Cost		PGC Over/(Under) Collection
		S	S1	S2					C1	C2	
December 2/	2015	4,400,891	4,398,832	2,059	\$ 4.42	\$ 4.22	\$ 19,451,520	\$ 21,538,087	\$ 21,530,542	\$ 8,145	\$ (2,087,161)
January	2016	5,789,625	5,787,148	2,479	\$ 4.55	\$ 3.96	\$ 26,322,223	\$ 23,957,758	\$ 23,947,952	\$ 9,806	\$ 2,364,465
February	2016	5,863,398	5,860,907	2,491	\$ 4.55	\$ 3.96	\$ 26,657,639	\$ 20,990,822	\$ 20,980,969	\$ 9,853	\$ 5,666,817
March	2016	4,412,640	4,411,252	1,388	\$ 4.55	\$ 3.96	\$ 20,062,130	\$ 18,781,980	\$ 18,776,490	\$ 5,490	\$ 1,280,150
April	2016	2,654,799	2,650,379	4,420	\$ 4.55	\$ 3.96	\$ 12,087,962	\$ 6,705,040	\$ 6,687,556	\$ 17,484	\$ 5,362,922
May	2016	1,423,949	1,422,500	1,449	\$ 4.55	\$ 3.96	\$ 6,473,412	\$ 5,370,943	\$ 5,365,211	\$ 5,732	\$ 1,102,469
June	2016	936,327	935,043	1,284	\$ 4.55	\$ 3.96	\$ 4,256,439	\$ 4,828,758	\$ 4,823,679	\$ 5,079	\$ (572,319)
July	2016	603,902	602,440	1,462	\$ 4.55	\$ 3.96	\$ 2,744,897	\$ 4,481,756	\$ 4,475,973	\$ 5,783	\$ (1,736,859)
August	2016	559,082	557,684	1,398	\$ 4.55	\$ 3.96	\$ 2,541,152	\$ 4,542,685	\$ 4,537,155	\$ 5,530	\$ (2,001,533)
September	2016	561,445	560,097	1,348	\$ 4.55	\$ 3.96	\$ 2,551,925	\$ 4,638,502	\$ 4,633,170	\$ 5,332	\$ (2,086,577)
October	2016	1,076,069	1,073,782	2,287	\$ 4.55	\$ 3.96	\$ 4,891,211	\$ 6,603,823	\$ 6,594,777	\$ 9,046	\$ (1,712,612)
November	2016	2,384,104	2,382,154	1,950	\$ 4.55	\$ 3.96	\$ 10,838,653	\$ 17,467,477	\$ 17,469,764	\$ 7,713	\$ (6,658,824)
<b>Total</b>		<u>30,668,231</u>	<u>30,642,216</u>	<u>24,015</u>			<u>\$ 138,659,170</u>	<u>\$ 139,938,231</u>	<u>\$ 139,843,237</u>	<u>\$ 94,994</u>	<u>\$ (1,079,061)</u>
			30,587,680								

1/ Includes Gas Beyond the Main Projected Annual sales of 54536 Mcf  
 2/ December 2015 reflects proration of the PGC rates.



**UGI Utilities, Inc. - Gas Division  
Computation of the Projected Cost C2  
For the 2015 PGC Year**Schedule B  
Page 2 of 14**Effective December 1, 2015  
Computation Year Ending November 30, 2016**

D2 - Demand costs 1/ DCR (MCFD)		0
WACOD (\$/MCFD)	\$	14.75
D2 =	\$	-
CC 2 -COMMODITY COSTS : PGC 2 Sales (MCF)		24,015
WACOG (\$/MCF)	\$	3.956
CC2 =	\$	94,994

1/ Included in WACOG

**UGI UTILITIES INC. - GAS UTILITIES DIVISION**  
**PROJECTED DEMAND VOLUMES IN DTH**  
**UNDER NORMAL WEATHER**  
**1 MONTH PERIOD - NOVEMBER**  
**DEMAND**

	Nov-18
<b>Supply</b>	
Options	0
UGI ES Delivered Supply	10,000
Transco Delivered Supply	7,000
Ledy Supply	24,700
UGI ES Peak SVC I	40,000
UGI ES Peak SVC II	25,000
UGI ES Peak SVC III	34,600
UGI ES Peak SVC IV	6,012
UGIES Peak SVC V	25,165
UGIES Peak SVC VI	21,897
UGIES Peak SVC VII	50,993
<b>Storage Demand</b>	
ANR FSS	38,155
Dom GSS	6,667
Dom GSS TE	6,000
Transco GSS	1,744
Transco GS-2	7,245
Egan FSS	0
TCC FSS	114,649
<b>Storage Capacity</b>	
ANR FSS	231,667
Dom GSS	666,667
Dom GSS TE	941,176
Transco GSS	102,129
Transco GS-2	798,950
Egan FSS	500,000
TCC FSS	6,262,836
<b>Transportation</b>	
Columbia:FTS	94,970
Columbia:NTS	15,000
Columbia:SST	114,649
Texas Eastern:CD3	76,000
Texas Eastern:FT-1	60,475
Texas Eastern:FT M2 - M3	51,713
Texas Eastern:LLFT	12,390
Texas Eastern:FLEX-X	4,000
Texas Eastern:FTS-7	5,680
Texas Eastern:FTS-5	6,667
Transco:PS-FT	0
Transco:Sentinel FT	7,000
Transco:FT	7,153
Transco:FTF	22,770
ANR:FTS-1: FT SW TETCO	10,575
ANR:FTS-1: Columbia	8,600
ANR:FTS-1: FT SE Columbia	25,430
ANR:FTS-1: FT SE TETCO	10,821
ANR:FTS-1 Del to Storage	0
ANR: FSS Storage Del - CCL	5,123
ANR: FSS Storage Del - TETCO	21,160
ANR: FSS Storage Del - TETCO LLFT	12,440
Tobyhanna FT	67,148
UGI Central Penn Gas	2,500

UGI UTILITIES INC. - GAS UTILITIES DIVISION  
PROJECTED SUPPLY VOLUMES IN DTH OR DTHD  
UNDER NORMAL WEATHER  
1 MONTH PERIOD - NOVEMBER  
COMMODITY

	Nov-15	TOTAL
<b>Supply Volumes</b>		
Trigger Flex	120,000	120,000
Trigger Laid	460,000	460,000
MoTransoCall	0	0
Trigger Divd Supply	138,000	138,000
Spot ANR SE	0	0
Spot M2	1,803,512	1,803,512
Spot Divd Supply	182,000	182,000
Spot Laidy	28,410	28,410
Gas Beyond M	4,332	4,332
Asset Management Refill	0	0
<b>Injected Volumes</b>		
ANR FSS	0	0
Dom GSS	0	0
Dom GSS TE	0	0
Tranaco GSS	0	0
Tranaco SS-2	0	0
Egan FSS	0	0
TCO FSS	0	0
<b>Withdrawn Volumes</b>		
ANR FSS	389,201	389,201
Dom GSS	0	0
Dom GSS TE	132,083	132,083
Tranaco GSS	0	0
Tranaco SS-2	0	0
Egan FSS	0	0
TCO FSS	0	0
Transport/WdWnj Fuel	79,859	79,859
<b>Total Demand Served</b>	<b>2,831,889</b>	<b>2,831,889</b>
<b>Total Choice Bundled Demand</b>	<b>318,690</b>	<b>318,690</b>
<b>Integration</b>		
ANR FSS-TCO	152,882	152,882
ANR FSS-Tot	235,220	235,220
ANR SE-Egan	0	0
ANR SE-TCO	0	0
Egan-ANR SE	0	0
FTS-3 FT	0	0
FTS-7 FT	129,441	129,441
Laach/Lab FTS	0	0
Lab NTS	150,000	150,000
M2-M3	1,976,784	1,976,784
RIV FT	120,000	120,000
BST	0	0
Tranaco FTF	478,579	478,579

UGI UTILITIES INC. - GAS UTILITIES DIVISION  
PROJECTED DEMAND UNIT RATE IN \$/MTH  
UNDER NORMAL WEATHER  
1 MONTH PERIOD - NOVEMBER  
DEMAND

	Nov-18
<b>Supply</b>	
Options	0.0000
UGI ES Delivered Supply	11.5500
Transco Delivered Supply	84.8000
Laidy Supply	0.7828
UGI ES Peak SVC I	43.0000
UGI ES Peak SVC II	81.6887
UGI ES Peak SVC III	38.7900
UGI ES Peak SVC IV	28.2802
UGIES Peak SVC V	27.8000
UGIES Peak SVC VI	41.0000
UGIES Peak SVC VII	40.8000
<b>Storage Demand</b>	
ANR FSS	3.0000
Dom GSS	1.8628
Dom GSS TE	1.8625
Transco GSS	3.0249
Transco SS-2	8.5858
Egan FSS	0.0000
TCO FSS	1.5010
<b>Storage Capacity</b>	
ANR FSS	0.4000
Dom GSS	0.0145
Dom GSS TE	0.0145
Transco GSS	0.0158
Transco SS-2	0.0282
Egan FSS	0.2200
TCO FSS	0.0288
<b>Transportation</b>	
Columbia FTS	6.2485
Columbia NTS	7.6410
Columbia SST	5.9810
Texas Eastern COS	14.8554
Texas Eastern FT-1	14.4852
Texas Eastern FT M2 - M3	8.7330
Texas Eastern LLFT	1.8250
Texas Eastern FLEX-X	10.4500
Texas Eastern FTS-7	6.5760
Texas Eastern FTS-5	5.1790
Transco PS FT	0.0000
Transco Sentinel FT	16.5805
Transco FT	14.3313
Transco PTF	8.5600
ANR FTS-1: FT SW TETCO	11.0000
ANR FTS-1: Columbia	11.0000
ANR FTS-1: FT SE Columbia	7.2483
ANR FTS-1: FT SE TETCO	5.6970
ANR: FTS-1 Del to Storage	0.0000
ANR: FSS Storage Del - COL	6.0000
ANR: FSS Storage Del - TETCO	6.0000
ANR: FSS Storage Del - TETCO LLFT	6.0000
Tobyhanna FT	0.1038
UGI Central Penn Gas	17.1200

UGI UTILITIES INC. - GAS UTILITIES DIVISION  
PROJECTED SUPPLY UNIT RATE IN \$/DTH  
UNDER NORMAL WEATHER  
1 MONTH PERIOD - NOVEMBER  
COMMODITY

	Nov-13	AVERAGE
<b>Supply Rate</b>		
Trigger Flex	2.1350	2.1350
Trigger Lead	1.6050	1.6050
MoYmscoCall	0.0000	0.0000
Trigger Divd Supply	2.2800	2.2800
Spot ANR SE	1.9805	1.9805
Spot M2	1.1680	1.1680
Spot Divd Supply	1.2683	1.2683
Spot Leidy	0.5080	0.5080
Gas Beyond M	13.3757	13.3757
Asset Management Profit	0.0000	0.0000
<b>Injection Rate</b>		
ANR FSS	0.0000	0.0000
Dom GSS	0.0000	0.0000
Dom GSS TE	0.0000	0.0000
Tranaco GSS	0.0000	0.0000
Tranaco SS-2	0.0000	0.0000
Egan FSS	0.0000	0.0000
TCO FSS	0.0000	0.0000
<b>Withdrawal Rate</b>		
ANR FSS	0.0128	0.0128
Dom GSS	0.0000	0.0000
Dom GSS TE	0.0220	0.0220
Tranaco GSS	0.0000	0.0000
Tranaco SS-2	0.0000	0.0000
Egan FSS	0.0000	0.0000
TCO FSS	0.0000	0.0000
<b>Transportation Rate</b>		
ANR FSS-TCO	0.0105	0.0105
ANR FSS-Tet	0.0105	0.0105
ANR SE-Egan	0.0139	0.0139
ANR SE-TCO	0.0139	0.0139
Egan-ANR SE	0.0000	0.0000
FTS-6 FT	0.0014	0.0014
FTS-7 FT	0.0014	0.0014
Lesch/Lab FTS	0.0194	0.0194
Lab NTS	0.0194	0.0194
M2-M3	0.0740	0.0740
RIV FT	0.0014	0.0014
SST	0.0192	0.0192
Tranaco FTF	0.0074	0.0074
<b>Total Com Vol</b>	<b>2,831,889</b>	<b>2,831,889</b>
<b>Total Com Cost</b>	<b>4,194,428</b>	<b>4,194,428</b>
<b>Com Unit Rate</b>	<b>\$1.481</b>	<b>\$1.481</b>
<b>Total Dem Cost</b>	<b>11,341,017</b>	<b>11,341,017</b>
<b>Dem Unit Rate</b>	<b>\$4.005</b>	<b>\$4.005</b>
<b>Total System Costs</b>	<b>15,535,445</b>	<b>15,535,445</b>
<b>System Unit Rate</b>	<b>\$5.486</b>	<b>\$5.486</b>

UGI UTILITIES INC. - GAS UTILITIES DIVISION  
PROJECTED PURCHASED GAS COSTS IN (\$)  
UNDER NORMAL WEATHER  
1 MONTH PERIOD - NOVEMBER  
DEMAND

	Nov-18	TOTAL
<b>Supply</b>		
Options	0	0
UGI ES Delivered Supply	115,500	115,500
Transco Delivered Supply	592,200	592,200
Laidy Supply	18,842	18,842
Laidy Supply Credit - PNG	(105)	(105)
Laidy Supply Credit - CPG	(314)	(314)
UGI ES Peak SVC I	1,720,000	1,720,000
UGI ES Peak SVC II	2,041,987	2,041,987
UGI ES Peak SVC III	1,338,255	1,338,255
UGI ES Peak SVC IV	170,021	170,021
UGI ES Peak SVC V	700,143	700,143
UGI ES Peak SVC VI	889,577	889,577
UGI ES Peak SVC VII	2,326,314	2,326,314
<b>Storage Demand</b>		
ANR FSS	117,485	117,485
Dom GSS	12,417	12,417
Dom GSS TE	11,176	11,176
Transco GSS	5,275	5,275
Transco SS-2	82,377	82,377
Egan FSS	0	0
TCO FSS	172,088	172,088
<b>Storage Capacity</b>		
ANR FSS	92,887	92,887
Dom GSS	9,687	9,687
Dom GSS TE	13,647	13,647
Transco GSS	1,824	1,824
Transco SS-2	22,474	22,474
Egan FSS	110,000	110,000
TCO FSS	180,085	180,085
<b>Transportation</b>		
Columbia FTS	593,419	593,419
Columbia WTS	114,815	114,815
Columbia SST	883,423	883,423
Texas Eastern CDS	1,129,010	1,129,010
Texas Eastern FT-1	1,006,429	1,006,429
Texas Eastern FT M2 - MS	451,810	451,810
Texas Eastern LLFT	22,812	22,812
Texas Eastern FLEX-X	41,758	41,758
Texas Eastern FTS-7	38,867	38,867
Texas Eastern FTS-5	34,528	34,528
Transco PS-FT	0	0
Transco Sentinel FT	116,132	116,132
Transco FT	102,512	102,512
Transco FTF	194,684	194,684
ANR FTS-1: FT SW TETCO	116,325	116,325
ANR FTS-1: Columbia	94,600	94,600
ANR FTS-1: FT SE Columbia	184,324	184,324
ANR FTS-1: FT SE TETCO	60,506	60,506
ANR: FTS-1 Del to Storage	0	0
ANR: FSS Storage Del - COL	30,738	30,738
ANR: FSS Storage Del - TETCO	128,900	128,900
ANR: FSS Storage Del - TETCO LLFT	74,640	74,640
Tohyanna FT	6,979	6,979
UGI Central Penn Gas	42,800	42,800
<b>SUBTOTAL</b>	<b>15,989,173</b>	<b>15,989,173</b>
Non-Choice Cap Ret/Sharing Mech Credit	(808,071)	(808,071)
Choice Capacity Assignment Credits	(3,149,325)	(3,149,325)
DS Credits	(910,771)	(910,771)
Supplement #1 Credits	(80,000)	(80,000)
Risk Mgt Tools	811	811
<b>Total Demand Cost</b>	<b>11,341,017</b>	<b>11,341,017</b>

UGI UTILITIES INC. - GAS UTILITIES DIVISION  
PROJECTED PURCHASE GAS COSTS IN (\$)  
UNDER NORMAL WEATHER  
1 MONTH PERIOD - NOVEMBER  
COMMODITY

	Nov-18	TOTAL
<b>Supply Cost</b>		
Trigger Flex	258,200	258,200
Trigger Leik	722,250	722,250
MoTmocoCall	0	0
Trigger Divd Supply	311,880	311,880
Spot ANR SE	0	0
Spot M2	2,088,487	2,088,487
Spot Divd Supply	205,488	205,488
Spot Leidy	14,432	14,432
Gas Beyond M	57,948	57,948
Asset Management Refit	0	0
<b>Injection Cost</b>		
ANR FSS	0	0
Dom GSS	0	0
Dom GSS TE	0	0
Transco GSS	0	0
Transco SS-2	0	0
Egan FSS	0	0
TCO FSS	0	0
<b>Withdrawal Cost</b>		
ANR FSS	4,904	4,904
Dom GSS	0	0
Dom GSS TE	2,908	2,908
Transco GSS	0	0
Transco SS-2	0	0
Egan FSS	0	0
TCO FSS	0	0
<b>Transportation Cost</b>		
ANR FSS-TCO	1,605	1,605
ANR FSS-Tex	2,470	2,470
ANR SE-Egan	0	0
ANR SE-TCO	0	0
Egan-ANR SE	0	0
FTS-5 FT	0	0
FTS-7 FT	181	181
Leach FTS	0	0
Leb NTS	2,910	2,910
M2-M3 FT	148,280	148,280
RIV FT	188	188
SST	0	0
Transco FTF	3,510	3,510
<b>Subtotal Cost</b>	<b>3,821,578</b>	<b>3,821,578</b>
Injected Value	0	0
Withdrawal Value	1,242,189	1,242,189
Choice Bundled Sale Credit	(869,347)	(869,347)
Options Credit	0	0
<b>Total Cost</b>	<b>4,194,428</b>	<b>4,194,428</b>





**UGI UTILITIES INC. - GAS UTILITIES DIVISION**  
**PROJECTED SUPPLY VOLUMES IN DTH OR DTHD**  
**UNDER NORMAL WEATHER**  
**12 MONTH PERIOD - DECEMBER THROUGH NOVEMBER**  
**COMMODITY**

	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	TOTAL
<b>Supply Volumes</b>													
Trigger Flex	124,000	124,000	119,000	124,000	60,000	0	0	0	0	0	5,000	0	683,000
Trigger Layd	466,000	465,000	435,000	465,000	450,000	370,000	230,000	190,000	200,000	220,000	465,000	0	3,986,000
MoTimeCoCell	0	0	35,003	0	0	0	0	0	0	0	0	0	35,003
Trigger Divd Supply	103,168	77,600	61,681	88,800	0	0	0	0	0	0	0	0	228,059
Spot ANR SE	153,050	0	0	0	0	0	0	0	0	0	0	0	153,050
Spot M2	3,127,390	3,407,195	2,488,067	1,775,471	1,287,812	570,307	174,348	0	5,106	38,067	1,057,890	1,978,487	16,904,487
Spot Divd Supply	208,832	232,500	238,409	254,200	300,000	310,000	300,000	267,371	310,000	300,000	310,000	300,000	3,329,312
Spot Laidy	28,357	29,567	27,463	29,367	28,410	124,357	248,410	304,357	294,357	258,410	29,357	478,410	1,881,602
Gas Beyond M	7,881	12,180	10,778	9,947	3,781	5,342	666	525	753	611	903	4,332	87,300
Asset Management Refill	0	0	0	0	1,338,852	1,338,852	1,338,852	1,338,852	1,338,852	1,338,852	1,338,852	0	9,372,682
<b>Injected Volumes</b>													
ANR FSS	0	0	0	0	397,144	397,144	397,144	397,144	397,144	397,144	397,144	0	2,780,005
Dom GSS	0	0	0	0	95,238	95,238	95,238	95,238	95,238	95,238	95,238	0	686,667
Dom GSS TE	0	0	0	0	112,941	112,941	112,941	112,941	112,941	112,941	112,941	0	790,587
Tranaco GSS	0	0	0	0	11,817	17,060	15,660	15,270	14,348	13,885	13,890	0	102,129
Tranaco SS-2	0	0	0	0	79,695	163,781	131,437	113,258	127,512	111,573	78,895	0	796,950
Egan FSS	180,000	0	0	0	0	0	0	0	0	0	0	0	180,000
TCO FSS	0	0	0	0	733,629	733,629	733,629	733,629	733,629	733,629	733,629	0	5,135,403
<b>Withdrawn Volumes</b>													
ANR FSS	583,601	778,401	811,601	417,001	0	0	0	0	0	0	0	561,401	2,752,205
Dom GSS	165,800	180,867	180,000	136,200	23,800	0	0	0	0	0	0	0	686,667
Dom GSS TE	162,730	166,000	147,069	162,700	0	0	0	0	0	0	0	132,063	790,587
Tranaco GSS	0	44,937	36,766	20,426	0	0	0	0	0	0	0	0	102,129
Tranaco SS-2	197,799	224,566	196,239	175,329	0	0	0	0	0	0	0	0	796,950
Egan FSS	0	0	97,500	52,500	0	0	0	0	0	0	0	0	150,000
TCO FSS	900,130	1,963,234	1,600,706	1,171,334	0	0	0	0	0	0	0	0	6,135,403
Transport/Withdrawl Fuel	140,021	181,294	142,408	105,514	46,118	23,134	10,705	4,259	6,748	6,454	97,683	80,320	764,728
<b>Total Demand Served</b>	<b>5,995,588</b>	<b>6,690,261</b>	<b>5,507,621</b>	<b>4,288,362</b>	<b>2,015,872</b>	<b>1,186,031</b>	<b>795,234</b>	<b>629,467</b>	<b>662,608</b>	<b>663,376</b>	<b>1,737,071</b>	<b>2,883,276</b>	<b>32,322,800</b>
<b>Total Choice Bundled Demand</b>	<b>541,288</b>	<b>604,180</b>	<b>503,781</b>	<b>456,364</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>309,124</b>	<b>2,414,747</b>
<b>Transportation</b>													
ANR FSS-TCO	157,978	157,978	147,766	157,978	0	0	0	0	0	0	0	152,652	774,601
ANR FSS-Te	424,174	818,225	482,068	257,845	0	0	0	0	0	0	0	207,498	1,969,831
ANR SE-Egan	152,284	0	0	0	0	0	0	0	0	0	0	0	152,284
ANR SE-TCO	0	0	66,018	51,702	0	0	0	0	0	0	0	0	147,720
Egan-ANR SE	0	0	97,500	52,500	0	0	0	0	0	0	0	0	150,000
FTS-5 FT	166,800	180,867	180,000	136,200	23,800	0	0	0	0	0	0	0	686,667
FTS-7 FT	189,476	162,280	144,128	159,431	0	0	0	0	0	0	0	129,441	774,775
Leach/Lab FTS	0	0	0	0	0	0	0	0	0	0	0	0	0
Lab NTS	155,000	165,000	239,208	206,727	0	0	0	0	0	0	0	150,000	904,816
M2-M2	3,443,567	3,903,047	2,859,113	1,971,503	1,248,468	552,909	169,047	0	4,951	34,971	1,026,700	2,117,602	17,330,839
RV FT	124,000	124,000	116,000	124,000	60,000	0	0	0	0	0	5,000	0	563,000
SST	883,162	1,533,767	1,472,417	1,149,254	0	0	0	0	0	0	0	0	5,036,640
Tranaco FTF	492,775	492,775	460,883	492,775	476,879	482,775	476,879	482,775	482,775	476,879	492,775	476,879	5,817,925



**UGI UTILITIES INC. - GAS UTILITIES DIVISION**  
**PROJECTED SUPPLY UNIT RATE IN MONTH**  
**UNDER NORMAL WEATHER**  
**12 MONTH PERIOD - DECEMBER THROUGH NOVEMBER**  
**COMMODITY**

	Dec-16	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	AVERAGE
<b>Supply Rate</b>													
Trigger Flex	2.3250	2.4250	2.4250	2.3750	2.1250	0.0000	0.0000	0.0000	0.0000	0.0000	2.2250	0.0000	1.1583
Trigger Laid	1.7850	1.8950	1.8950	1.8450	1.5950	1.8050	1.8250	1.8650	1.8750	1.8750	1.8950	0.0000	1.5804
MoTraccoCall	0.0000	0.0000	2.5821	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.2152
Trigger Divd Supply	2.4500	2.5500	2.5500	2.5000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.8378
Spot ANR SE	2.2455	2.4060	2.4275	2.4075	2.3715	2.3995	2.4425	2.4915	2.4075	2.5085	2.5380	2.0680	2.4511
Spot M2	1.5195	1.6925	1.7930	1.6665	1.3595	1.3000	1.3830	1.4095	1.4555	1.3985	1.4735	2.0190	1.5395
Spot Divd Supply	1.6411	1.8195	1.8875	1.7828	1.4761	1.4148	1.5054	1.5898	1.5731	1.5143	1.5837	2.1858	1.6618
Spot Leidy	0.8707	1.0518	1.1188	0.9874	0.9803	0.8419	0.8834	1.0713	1.0250	0.9247	1.0374	1.5780	1.0230
Gas Beyond M	13.4438	13.5801	13.5122	13.2732	13.1589	13.1871	13.1973	13.2460	13.3008	13.4238	13.4925	13.5802	13.3603
Asset Management Refr	0.0000	0.0000	0.0000	0.0000	2.2840	2.2620	2.3350	2.3790	2.3850	2.2980	2.3300	0.0000	1.3585
<b>Injection Rate</b>													
ANR FSS	0.0000	0.0000	0.0000	0.0000	0.0126	0.0126	0.0126	0.0126	0.0126	0.0126	0.0126	0.0000	0.0073
Dom GSS	0.0000	0.0000	0.0000	0.0000	0.0318	0.0318	0.0318	0.0318	0.0318	0.0318	0.0318	0.0000	0.0185
Dom GSS TE	0.0000	0.0000	0.0000	0.0000	0.0318	0.0318	0.0318	0.0318	0.0318	0.0318	0.0318	0.0000	0.0185
Transco GSS	0.0000	0.0000	0.0000	0.0000	0.0544	0.0544	0.0544	0.0544	0.0544	0.0544	0.0544	0.0000	0.0318
Transco SS-2	0.0000	0.0000	0.0000	0.0000	0.0319	0.0319	0.0319	0.0319	0.0319	0.0319	0.0319	0.0000	0.0188
Egan FSS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TCO FSS	0.0000	0.0000	0.0000	0.0000	0.0155	0.0155	0.0155	0.0155	0.0155	0.0155	0.0155	0.0000	0.0090
<b>Withdrawal Rate</b>													
ANR FSS	0.0126	0.0126	0.0126	0.0126	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0126	0.0052
Dom GSS	0.0180	0.0180	0.0180	0.0180	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0075
Dom GSS TE	0.0220	0.0220	0.0220	0.0220	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0220	0.0082
Transco GSS	0.0000	0.0441	0.0441	0.0441	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0110
Transco SS-2	0.0317	0.0317	0.0317	0.0317	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0108
Egan FSS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TCO FSS	0.0163	0.0153	0.0153	0.0153	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0051
<b>Transportation Rate</b>													
ANR FSS-TCO	0.0105	0.0105	0.0105	0.0105	0.0105	0.0105	0.0105	0.0105	0.0105	0.0105	0.0105	0.0105	0.0105
ANR FSS-Tel	0.0105	0.0105	0.0105	0.0105	0.0105	0.0105	0.0105	0.0105	0.0105	0.0105	0.0105	0.0105	0.0105
ANR SE-Egan	0.0139	0.0139	0.0139	0.0139	0.0139	0.0139	0.0139	0.0139	0.0139	0.0139	0.0139	0.0139	0.0139
ANR SE-TCO	0.0139	0.0139	0.0139	0.0139	0.0139	0.0139	0.0139	0.0139	0.0139	0.0139	0.0139	0.0139	0.0139
Egan-ANR SE	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
FTS-5 FT	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014
FTS-7 FT	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014
Leach/Leb FTS	0.0194	0.0194	0.0194	0.0194	0.0194	0.0194	0.0194	0.0194	0.0194	0.0194	0.0194	0.0194	0.0194
Leb NTS	0.0194	0.0194	0.0194	0.0194	0.0194	0.0194	0.0194	0.0194	0.0194	0.0194	0.0194	0.0194	0.0194
M2-M3	0.0740	0.0740	0.0740	0.0740	0.0740	0.0740	0.0740	0.0740	0.0740	0.0740	0.0740	0.0740	0.0740
RV FT	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014
SST	0.0182	0.0182	0.0182	0.0182	0.0182	0.0182	0.0182	0.0182	0.0182	0.0182	0.0182	0.0182	0.0182
Transco FTF	0.0074	0.0074	0.0074	0.0074	0.0074	0.0074	0.0074	0.0074	0.0074	0.0074	0.0074	0.0074	0.0074
<b>Total Cons Vol</b>	5,298,588	6,560,291	5,507,821	4,286,382	2,018,872	1,186,031	785,234	829,487	882,808	883,376	1,737,071	2,863,279	32,322,800
<b>Total Cons Cost</b>	10,299,301	13,530,357	11,717,804	8,894,036	3,085,119	1,830,611	1,017,978	789,871	838,850	888,386	2,782,688	5,847,300	81,328,270
<b>Cons Unit Rate</b>	\$1.800	\$2.066	\$2.128	\$2.075	\$1.530	\$1.378	\$1.290	\$1.270	\$1.262	\$1.271	\$1.602	\$2.042	\$1.897
<b>Total Oem Cost</b>	11,238,388	10,407,402	9,272,918	9,887,945	3,619,821	3,746,332	3,810,780	3,882,085	3,704,738	3,770,148	3,821,135	11,940,177	78,808,961
<b>Oem Unit Rate</b>	\$2.083	\$1.586	\$1.684	\$2.307	\$1.796	\$3.164	\$4.792	\$5.830	\$5.894	\$5.617	\$2.200	\$4.069	\$2.432
<b>Total System Costs</b>	21,538,087	23,967,759	20,990,822	18,781,980	6,705,040	6,370,943	4,828,758	4,681,756	4,543,625	4,658,602	6,403,823	17,487,477	159,836,231
<b>System Unit Rate</b>	\$3.892	\$3.652	\$3.811	\$4.382	\$3.326	\$4.528	\$6.072	\$7.120	\$6.836	\$6.788	\$3.802	\$8.111	\$4.328

**UGI UTILITIES INC. - GAS UTILITIES DIVISION**  
**PROJECTED PURCHASED GAS COSTS IN (\$)**  
**UNDER NORMAL WEATHER**  
**12 MONTH PERIOD - DECEMBER THROUGH NOVEMBER**  
**DEMAND**

	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	TOTAL
<b>Supply</b>													
Options	0	145,879	145,879	145,879	145,879	145,879	145,879	145,879	145,879	145,879	145,879	0	1,458,791
UGI ES Delivered Supply	115,500	115,500	115,500	115,500	115,500	115,500	115,500	115,500	115,500	115,500	115,500	115,500	1,388,000
Transco Delivered Supply	592,200	592,200	592,200	592,200	0	0	0	0	0	0	0	592,200	2,981,900
Laidy Supply	18,842	18,842	18,842	18,842	18,842	18,842	18,842	18,842	18,842	18,842	18,842	18,842	226,168
Laidy Supply Credit - PNG	(108)	(108)	(101)	(108)	(105)	(108)	(108)	(108)	(108)	(108)	(108)	(105)	(1,278)
Laidy Supply Credit - CPG	(324)	(324)	(303)	(324)	(314)	(324)	(314)	(324)	(324)	(314)	(324)	(314)	(3,828)
UGI ES Peak SVC I	1,720,000	1,720,000	1,720,000	1,720,000	0	0	0	0	0	0	0	1,720,000	8,600,000
UGI ES Peak SVC II	2,041,867	2,041,867	0	0	0	0	0	0	0	0	0	2,041,867	8,125,000
UGI ES Peak SVC III	1,338,255	1,338,255	1,338,255	1,338,255	0	0	0	0	0	0	0	1,338,255	6,691,275
UGI ES Peak SVC IV	170,021	170,021	170,021	170,021	0	0	0	0	0	0	0	170,021	850,104
UGIES Peak SVC V	700,143	700,143	700,143	700,143	0	0	0	0	0	0	0	1,069,577	3,879,449
UGIES Peak SVC VI	869,577	869,577	869,577	869,577	0	0	0	0	0	0	0	869,577	4,447,585
UGIES Peak SVC VII	2,325,314	2,325,314	2,325,314	2,325,314	0	0	0	0	0	0	0	2,279,941	11,581,199
<b>Storage Demand</b>													
ANR FSS	117,465	117,465	117,465	117,465	117,465	117,465	117,465	117,465	117,465	117,465	117,465	117,465	1,408,580
Dom GSS	12,417	12,417	12,417	12,417	12,417	12,417	12,417	12,417	12,417	12,417	12,417	12,417	148,008
Dom GSS TE	11,175	11,175	11,175	11,175	11,175	11,175	11,175	11,175	11,175	11,175	11,175	11,175	134,100
Transco GSS	5,451	5,451	5,100	5,451	5,275	5,451	5,275	5,451	5,451	5,275	5,451	5,275	64,960
Transco SS-2	64,353	64,353	60,201	64,353	62,277	64,353	62,277	64,353	64,353	62,277	64,353	62,277	769,783
Egan FSS	0	0	0	0	0	0	0	0	0	0	0	0	0
TCO FSS	172,088	172,088	172,088	172,088	172,088	172,088	172,088	172,088	172,088	172,088	172,088	172,088	2,065,058
<b>Storage Capacity</b>													
ANR FSS	92,867	92,867	92,867	92,867	92,867	92,867	92,867	92,867	92,867	92,867	92,867	92,867	1,112,002
Dom GSS	9,667	9,667	9,667	9,667	9,667	9,667	9,667	9,667	9,667	9,667	9,667	9,667	116,000
Dom GSS TE	13,647	13,647	13,647	13,647	13,647	13,647	13,647	13,647	13,647	13,647	13,647	13,647	163,768
Transco GSS	1,678	1,678	1,624	1,678	1,624	1,678	1,624	1,678	1,678	1,624	1,678	1,624	19,811
Transco SS-2	23,223	23,223	21,725	23,223	22,474	23,223	22,474	23,223	23,223	22,474	23,223	22,474	274,183
Egan FSS	110,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000	1,320,000
TCO FSS	180,085	180,085	180,085	180,085	180,085	180,085	180,085	180,085	180,085	180,085	180,085	180,085	2,181,015
<b>Transportation</b>													
Columbia FTS	650,849	650,849	650,849	650,849	631,720	631,720	631,720	631,720	631,720	631,720	631,720	631,720	7,887,183
Columbia NTS	126,077	126,077	126,077	126,077	126,077	126,077	126,077	126,077	126,077	126,077	126,077	126,077	1,812,919
Columbia SST	751,765	751,765	751,765	751,765	751,765	751,765	751,765	751,765	751,765	751,765	751,765	751,765	8,766,866
Texas Eastern:GDS	1,129,010	1,129,010	1,129,010	1,129,010	1,129,010	1,129,010	1,129,010	1,129,010	1,129,010	1,129,010	1,129,010	1,129,010	13,648,125
Texas Eastern FT-1	1,008,429	1,008,429	1,008,429	1,008,429	1,008,429	1,008,429	1,008,429	1,008,429	1,008,429	1,008,429	1,008,429	1,008,429	12,077,145
Texas Eastern:FT M2 - M3	451,610	451,610	451,610	451,610	451,610	451,610	451,610	451,610	451,610	451,610	451,610	451,610	5,419,315
Texas Eastern:LLFT	22,612	22,612	22,612	22,612	22,612	22,612	22,612	22,612	22,612	22,612	22,612	22,612	271,342
Texas Eastern:FLEX-X	41,756	41,756	41,756	41,756	41,756	41,756	41,756	41,756	41,756	41,756	41,756	41,756	501,073
Texas Eastern FTS-7	38,667	38,667	38,667	38,667	38,667	38,667	38,667	38,667	38,667	38,667	38,667	38,667	464,003
Texas Eastern FTS-5	34,528	34,528	34,528	34,528	34,528	34,528	34,528	34,528	34,528	34,528	34,528	34,528	414,341
Transco:PS-FT	39,895	39,895	37,134	0	0	0	0	0	0	0	0	0	118,628
Transco:Sentinel FT	120,003	120,003	112,201	120,003	118,132	120,003	118,132	120,003	120,003	118,132	120,003	118,132	1,416,612
Transco:FT	105,929	105,929	99,095	105,929	102,512	105,929	102,512	105,929	105,929	102,512	105,929	102,512	1,260,644
Transco:FTF	201,173	201,173	189,194	201,173	194,684	201,173	194,684	201,173	201,173	194,684	201,173	194,684	2,376,139
ANR FTS-1: FT SW TETCO	116,325	116,325	116,325	116,325	116,325	116,325	116,325	116,325	116,325	116,325	116,325	116,325	1,395,900
ANR FTS-1: Columbia	94,600	94,600	94,600	94,600	94,600	94,600	94,600	94,600	94,600	94,600	94,600	94,600	1,138,200
ANR FTS-1: FT SE Columbia	184,324	184,324	184,324	184,324	107,275	107,275	107,275	107,275	107,275	107,275	107,275	184,324	1,872,845
ANR FTS-1: FT SE TETCO	60,508	60,508	60,508	60,508	30,257	30,257	30,257	30,257	30,257	30,257	30,257	60,508	614,337
ANR FTS-1 Del in Storage	0	0	0	0	129,678	129,678	129,678	129,678	129,678	129,678	129,678	0	807,730
ANR FSS Storage Del - COL	30,738	30,738	30,738	30,738	0	0	0	0	0	0	0	30,738	163,690
ANR FSS Storage Del - TETCO	126,900	126,900	126,900	126,900	0	0	0	0	0	0	0	126,900	634,500
ANR FSS Storage Del - TETCO LLFT	74,640	74,640	74,640	74,640	0	0	0	0	0	0	0	74,640	373,200
Tobytanna FT	7,779	10,228	9,631	9,917	6,742	5,441	4,543	4,061	4,585	4,014	5,110	6,979	79,829
UGI Central Penn Gas	42,800	42,800	42,800	42,800	42,800	42,800	42,800	42,800	42,800	42,800	42,800	42,800	513,800
<b>SUBTOTAL</b>	<b>18,183,726</b>	<b>18,232,047</b>	<b>14,253,888</b>	<b>14,280,378</b>	<b>8,889,963</b>	<b>8,904,471</b>	<b>8,887,754</b>	<b>8,904,691</b>	<b>8,904,916</b>	<b>8,887,225</b>	<b>8,281,028</b>	<b>16,431,638</b>	<b>119,112,407</b>
Non-Choice Cap Rel/Sharing Mech Credit	(642,911)	(1,616,354)	(1,132,240)	(680,681)	(380,000)	(418,324)	(406,671)	(328,266)	(443,981)	(466,671)	(466,668)	(609,071)	(7,333,912)
Choice Capacity Assignment Credits	(3,182,884)	(3,183,391)	(2,782,843)	(2,761,119)	(1,086,909)	(1,069,651)	(1,086,463)	(1,089,393)	(1,089,378)	(1,089,384)	(1,144,728)	(3,244,378)	(22,689,244)
DS Credits	(1,139,488)	(1,161,881)	(1,008,798)	(941,667)	(744,034)	(661,176)	(625,581)	(648,839)	(658,433)	(666,063)	(803,018)	(949,023)	(8,682,221)
Supplement #1 Credits	(80,000)	(80,000)	(80,000)	(80,000)	(80,000)	(80,000)	(80,000)	(80,000)	(80,000)	(80,000)	(80,000)	(80,000)	(960,000)
Risk Mgt Totals	911	911	911	911	911	911	911	911	911	911	911	911	10,927
<b>Total Demand Cost</b>	<b>11,295,388</b>	<b>10,407,402</b>	<b>8,272,916</b>	<b>8,887,846</b>	<b>3,619,921</b>	<b>3,746,532</b>	<b>3,810,780</b>	<b>3,682,088</b>	<b>3,704,738</b>	<b>3,779,148</b>	<b>3,821,138</b>	<b>11,680,177</b>	<b>78,604,961</b>

UGI UTILITIES INC. - GAS UTILITIES DIVISION  
PROJECTED PURCHASE GAS COSTS IN (\$)  
UNDER NORMAL WEATHER  
12 MONTH PERIOD - DECEMBER THROUGH NOVEMBER  
COMMODITY

	Dec-16	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	TOTAL
<b>Supply Cost</b>													
Trigger Flex	268,300	300,700	291,300	294,600	127,500	0	0	0	0	0	11,125	0	1,303,428
Trigger Lead	634,675	691,175	624,325	657,025	717,750	593,850	373,750	318,350	335,000	369,500	788,175	0	6,881,476
MoTmascoCall	0	0	90,382	0	0	0	0	0	0	0	0	0	90,382
Trigger Ovd Supply	252,762	197,625	131,557	139,500	0	0	0	0	0	0	0	0	721,444
Spot ANR SE	343,673	0	0	0	0	0	0	0	0	0	0	0	343,673
Spot M2	4,752,023	5,756,677	4,324,314	2,958,622	1,750,509	741,398	241,123	0	7,432	50,368	1,558,755	3,990,547	26,141,967
Spot Ovd Supply	339,440	423,049	443,234	455,717	442,837	438,575	450,108	475,006	489,292	454,285	494,647	648,891	6,803,482
Spot Leidy	25,582	30,679	30,696	29,291	27,849	104,696	244,279	326,081	301,716	238,963	30,456	656,276	2,048,682
Gas Beyond M	105,055	165,165	145,634	132,030	49,742	70,288	6,816	6,957	10,012	10,865	12,180	58,747	776,393
Asset Management Refit	0	0	0	0	3,071,556	3,068,878	3,126,453	3,185,367	3,183,401	3,074,234	3,123,770	0	21,843,658
<b>Injection Cost</b>													
ANR FSS	0	0	0	0	5,004	5,004	5,004	5,004	5,004	5,004	5,004	0	36,628
Dom GSS	0	0	0	0	3,029	3,029	3,029	3,029	3,029	3,029	3,029	0	21,200
Dom GSS TE	0	0	0	0	3,592	3,592	3,592	3,592	3,592	3,592	3,592	0	26,141
Tranaco GSS	0	0	0	0	649	929	989	831	781	756	745	0	6,689
Tranaco SS-2	0	0	0	0	2,339	4,699	4,187	3,806	4,062	3,564	2,539	0	26,368
Egan FSS	0	0	0	0	0	0	0	0	0	0	0	0	0
TCO FSS	0	0	0	0	11,374	11,374	11,374	11,374	11,374	11,374	11,374	0	79,618
<b>Withdrawal Cost</b>													
ANR FSS	7,358	8,808	7,706	5,254	0	0	0	0	0	0	0	4,554	34,678
Dom GSS	2,984	3,256	2,880	2,452	426	0	0	0	0	0	0	0	12,000
Dom GSS TE	3,590	4,092	3,236	3,590	0	0	0	0	0	0	0	2,906	17,393
Tranaco GSS	0	1,981	1,621	900	0	0	0	0	0	0	0	0	4,602
Tranaco SS-2	6,272	7,122	6,318	5,500	0	0	0	0	0	0	0	0	26,271
Egan FSS	0	0	0	0	0	0	0	0	0	0	0	0	0
TCO FSS	13,772	23,918	22,961	17,921	0	0	0	0	0	0	0	0	76,672
<b>Transportation Cost</b>													
ANR FSS-TCO	1,659	1,659	1,552	1,659	0	0	0	0	0	0	0	1,605	6,133
ANR FSS-Tot	4,454	6,491	4,832	2,707	0	0	0	0	0	0	0	2,179	20,883
ANR SE-Egan	2,117	0	0	0	0	0	0	0	0	0	0	0	2,117
ANR SE-TCO	0	0	1,336	719	0	0	0	0	0	0	0	0	2,053
Egan-ANR SE	0	0	0	0	0	0	0	0	0	0	0	0	0
FTS-5 FT	232	253	224	191	33	0	0	0	0	0	0	0	933
FTS-7 FT	223	255	202	223	0	0	0	0	0	0	0	181	1,086
Leach FTS	0	0	0	0	0	0	0	0	0	0	0	0	0
Lab NTS	3,007	3,007	4,641	3,991	0	0	0	0	0	0	0	2,910	17,609
M2-M3 FT	264,824	289,826	211,574	145,891	82,387	40,920	12,510	0	366	2,588	75,902	156,703	1,282,490
RIV FT	174	174	162	174	84	0	0	0	0	0	7	0	774
SST	16,997	29,448	28,270	22,066	0	0	0	0	0	0	0	0	84,744
Tranaco FT	3,627	3,627	3,395	3,627	3,510	3,627	3,510	3,627	3,627	3,510	3,627	3,510	42,820
<b>Subtotal Cost</b>	<b>7,263,627</b>	<b>8,149,176</b>	<b>6,674,337</b>	<b>6,084,898</b>	<b>6,310,379</b>	<b>6,091,066</b>	<b>4,688,601</b>	<b>4,290,806</b>	<b>4,367,898</b>	<b>4,230,641</b>	<b>6,124,328</b>	<b>6,523,006</b>	<b>67,604,321</b>
Injected Value	284,078	0	0	0	3,281,714	3,460,448	3,470,823	3,491,134	3,531,736	3,362,288	3,341,638	0	24,203,649
Withdrawal Value	4,790,349	7,084,972	6,630,823	6,086,168	66,462	0	0	0	0	0	0	1,161,814	26,690,686
Choice Bundled Sale Credit	(1,490,639)	(1,663,741)	(1,387,367)	(1,266,616)	0	0	0	0	0	0	0	(833,622)	(6,431,967)
Options Credit	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Cost</b>	<b>10,269,361</b>	<b>13,569,347</b>	<b>11,717,804</b>	<b>8,894,036</b>	<b>3,086,119</b>	<b>1,630,911</b>	<b>1,017,978</b>	<b>789,671</b>	<b>831,980</b>	<b>848,366</b>	<b>2,782,688</b>	<b>5,647,309</b>	<b>61,328,370</b>

UGI Utilities, Inc. - Gas Division  
 Computation of the Experienced Cost Factor: E  
 For the 2015 PGC Year

Schedule C  
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Effective December 1, 2015  
 Computation Year Ending November 30, 2016

**SUPPLIER REFUND CREDITS**

			<u>PGC 1</u>	<u>PGC 2</u>	<u>PGC GBM</u>
Prior	( Amortized Balance at November 30, 2015)	Schedule C, Page 2	\$ (153,375)	\$ (89)	\$ -
Current	( Twelve Months Ended November 30, 2015)	Schedule C, Page 3	\$ 620,966	\$ 4,953	\$ -
Interest	( Twelve Months Ended November 30, 2015)	Schedule C, Page 3	\$ 53,027	\$ 410	\$ -

**OVER / (UNDER) COLLECTION**

Prior 2/	( Amortized Balance at November 30, 2015)	Schedule C, Page 4	\$ (1,465,105)	\$ (7,705)	\$ -
Current	( Twelve Months Ended November 30, 2015)	Schedule C, Page 7	\$ 6,344,961	\$ (2,115)	\$ 116,811
Interest	( Twelve Months Ended November 30, 2015)	Schedule C, Page 7	\$ 1,591,979	\$ (140)	\$ (20,919)
<b>TOTAL E</b>			<u>\$ 6,992,453</u>	<u>\$ (4,687)</u>	<u>\$ 95,892</u>
<b>TOTAL S (Mcf) 1/</b>			31,437,680	24,015	54,536
<b><u>E/S Refund / (Collection) \$/Mcf:</u></b>			<u>\$ 0.2224</u>	<u>\$ (0.1952)</u>	<u>\$ 1.7583</u>

1/ The Total Sales include a projection of 850,000 Mcf for projected Migration Rider volumes.

2/ As noted on Schedule C Page 4, reflects PGC credit adjustment of \$64,661 per PUC Audit.

Schedule C  
Page 2 of 7

**UGI Utilities, Inc. - Gas Division**  
**Prior Supplier Refund Credit Balance: 1/**  
**To Be Included In the 2015 PGC Experienced Cost Factor**

Month	Year	Beginning Balance	Refunded	Ending Balance
March	2014	\$ 922,234	\$ 289,568	\$ 632,666
April	2014	\$ 632,666	\$ 171,808	\$ 460,858
May	2014	\$ 460,858	\$ 78,271	\$ 382,587
June	2014	\$ 382,587	\$ 38,045	\$ 344,542
July	2014	\$ 344,542	\$ 31,146	\$ 313,396
August	2014	\$ 313,396	\$ 30,174	\$ 283,222
September	2014	\$ 283,222	\$ 31,397	\$ 251,825
October	2014	\$ 251,825	\$ 42,881	\$ 208,944
November	2014	\$ 208,944	\$ 113,218	\$ 95,726
December	2014	\$ 707,342	\$ 176,559	\$ 530,783
January	2015	\$ 530,783	\$ 140,037	\$ 390,746
February	2015	\$ 390,746	\$ 154,799	\$ 235,947
March	2015	\$ 235,947	\$ 155,346	\$ 80,601
April	2015	\$ 80,601	\$ 75,623	\$ 4,978
May	2015	\$ 4,978	\$ 26,330	\$ (21,352)
June	2015	\$ (21,352)	\$ 16,308	\$ (37,660)
July	2015	\$ (37,660)	\$ 13,739	\$ (51,399)
August	2015	\$ (51,399)	\$ 11,999	\$ (63,398)
September	2015	\$ (63,398)	\$ 12,939	\$ (76,337)
October	2015	\$ (76,337)	\$ 21,207	\$ (97,544)
November	2015 est.	\$ (97,544)	\$ 55,920	\$ (153,464)

1/ Including Interest

**UGI Utilities, Inc. - Gas Division**  
**List of Current Supplier Refunds**  
**To Be Included in the 2015 PGC Experienced Cost Factor**

Supplier	Amount	Date Rec'd	Rate	Interest Weight	\$
Transco	\$ 72	Oct-14	6	20	\$ 7
Columbia	\$ 427,258	Dec-14	6	18	\$ 38,453
Unauthorized Overrun \$	\$ 20,281	Dec-14	6	18	\$ 1,825
Unauthorized Overrun \$	\$ 23,447	Jan-15	6	17	\$ 1,993
Unauthorized Overrun \$	\$ 105,100	Feb-15	6	16	\$ 8,408
Columbia Gas	\$ 23,685	May-15	6	13	\$ 1,540
Dominion	\$ 4,008	Jul-15	6	11	\$ 220
Transo	\$ 174	Aug-15	6	10	\$ 9
Tennessee	\$ 20,928	Sep-15	6	9	\$ 942
Columbia Gulf	\$ 271	Sep-15	6	9	\$ 12
Transo	\$ 695	Oct-15	6	8	\$ 28
<b><u>Total</u></b>	<b><u>\$ 625,919</u></b>				<b><u>\$ 53,437</u></b>



Schedule C  
Page 4 of 7

**UGI Utilities, Inc. - Gas Division**  
**Prior Over / (Under) Collection Balance: 1/**  
**To Be Included In the 2015 PGC Experienced Cost Factor**

Month	Year	Beginning Balance	Recovered	Ending Balance
March	2014	\$ 12,585,689	\$ 2,108,297	\$ 10,477,392
April	2014	\$ 10,477,392	\$ 1,250,884	\$ 9,226,508
May	2014	\$ 9,226,508	\$ 569,561	\$ 8,656,947
June	2014	\$ 8,656,947	\$ 376,559	\$ 8,280,388
July	2014	\$ 8,280,388	\$ 380,162	\$ 7,900,226
August	2014	\$ 7,900,226	\$ 367,422	\$ 7,532,804
September	2014	\$ 7,532,804	\$ 381,157	\$ 7,151,647
October	2014	\$ 7,151,647	\$ 525,019	\$ 6,626,628
November	2014	\$ 6,626,628	\$ 1,390,363	\$ 5,236,265
December	2014	\$ 20,985,959	\$ 2,570,715	\$ 18,415,244
January	2015	\$ 18,415,244	\$ 2,691,093	\$ 15,724,151
February	2015	\$ 15,724,151	\$ 3,006,623	\$ 12,717,528
March	2015	\$ 12,717,528	\$ 3,964,883	\$ 8,752,645
April	2015	\$ 8,752,645	\$ 2,333,427	\$ 6,419,218
May	2015	\$ 6,419,218	\$ 830,216	\$ 5,589,002
June	2015	\$ 5,589,002	\$ 524,857	\$ 5,064,145
July	2015	\$ 5,064,145	\$ 442,589	\$ 4,621,556
August	2015	\$ 4,621,556	\$ 391,822	\$ 4,229,734
September	2015	\$ 4,229,734	\$ 442,393	\$ 3,787,341
October	2015	\$ 3,787,341	\$ 677,816	\$ 3,109,525
November	2015 est.	\$ 3,109,525	\$ 1,636,715	\$ 1,472,810

1/ Including Interest &amp; Migration Rider

**UGI Utilities, Inc. - Gas Division  
DEVELOPMENT OF THE CURRENT OVER/(UNDER) COLLECTION  
FOR THE PERIOD ENDING: NOVEMBER 30, 2015**

Schedule C  
Page 5 of 7

	SALES - Mcf	BASE RATE	REVENUE	COST	OVER/ (UNDER) COLLECTION	RATE %	INTEREST WEIGHT	INTEREST
Apr-14	3,156,640		\$ 18,238,570	\$ 11,858,050	\$ 6,380,520			\$ 595,515
PGC1	3,153,045	5.7791	18,221,893	11,843,575	6,378,318	8%	14	595,310
PGC2	3,595	4.6389	16,877	14,475	2,202	8%	14	206
May-14	1,440,297		\$ 8,325,443	\$ 7,093,548	\$ 1,231,897			\$ 106,764
PGC1	1,438,623	5.7817	8,317,674	7,087,039	1,230,635	8%	13	106,655
PGC2	1,674	4.6410	7,769	6,507	1,262	8%	13	109
Jun-14	693,749		\$ 4,056,749	\$ 4,730,950	\$ (674,201)			\$ (53,936)
PGC1	692,726	5.8492	4,051,925	4,726,973	(675,048)	8%	12	(54,004)
PGC2	1,023	4.7155	4,824	3,977	847	8%	12	68
Jul-14	568,635		\$ 3,348,190	\$ 5,833,156	\$ (2,284,998)			\$ (167,588)
PGC1	565,337	5.9114	3,341,957	5,828,078	(2,286,121)	8%	11	(167,649)
PGC2	1,298	4.7789	6,203	5,078	1,125	8%	11	82
Aug-14	551,217		\$ 3,256,055	\$ 5,015,913	\$ (1,759,858)			\$ (117,324)
PGC1	550,059	5.9114	3,250,521	5,011,375	(1,760,854)	8%	10	(117,390)
PGC2	1,158	4.7789	5,534	4,538	996	8%	10	66
Sep-14	587,989		\$ 3,353,939	\$ 5,316,853	\$ (1,962,914)			\$ (117,775)
PGC1	586,557	5.8959	3,347,096	5,311,030	(1,963,934)	8%	9	(117,836)
PGC2	1,432	4.7789	6,843	5,823	1,020	8%	9	81
Oct-14	785,710		\$ 4,636,788	\$ 6,039,072	\$ (1,402,284)			\$ (74,788)
PGC1	784,458	5.8959	4,630,805	6,034,003	(1,403,198)	8%	8	(74,837)
PGC2	1,252	4.7789	5,983	5,069	914	8%	8	49
Nov-14	2,090,663		\$ 12,329,203	\$ 23,845,280	\$ (11,516,067)			\$ (537,416)
PGC1	2,087,692	5.8959	12,315,000	23,835,252	(11,520,252)	8%	7	(537,612)
PGC2	2,971	4.7789	14,203	10,008	4,195	8%	7	196

**UGI Utilities, Inc. - Gas Division**  
**DEVELOPMENT OF THE CURRENT OVER/(UNDER) COLLECTION**  
**FOR THE PERIOD ENDING: NOVEMBER 30, 2015**

Schedule C  
Page 6 of 7

	SALES - Mcf	BASE RATE	REVENUE	COST	OVER/ (UNDER) COLLECTION	RATE %	INTEREST WEIGHT	INTEREST
Dec-14	4,614,559		\$ 26,316,864	\$ 25,927,997	\$ 388,867			\$ 46,664
PGC1	4,611,996	5.6986	26,281,994	\$ 25,867,297	\$ 414,697	8%	18	\$ 49,784
PGC2	2,563	4.8865	12,524	\$ 12,786	\$ (262)	8%	18	\$ (31)
PGCGBM	1,345		\$ 22,346	\$ 47,914	\$ (25,568)	8%	18	\$ (3,068)
Jan-15	5,815,283		\$ 32,136,146	\$ 31,057,321	\$ 1,078,825			\$ 122,267
PGC1	5,810,873	5.5243	32,101,276	\$ 30,955,956	\$ 1,145,320	8%	17	\$ 129,803
PGC2	4,410	2.8399	12,524	\$ 12,786	\$ (262)	8%	17	\$ (30)
PGCGBM	(443)		\$ 22,346	\$ 88,579	\$ (66,233)	8%	17	\$ (7,506)
Feb-15	6,444,689		\$ 35,584,214	\$ 31,161,186	\$ 4,423,028			\$ 471,790
PGC1	6,441,800	5.5185	35,549,344	\$ 31,026,076	\$ 4,523,268	8%	16	\$ 482,482
PGC2	2,889	4.3351	12,524	\$ 12,786	\$ (262)	8%	16	\$ (28)
PGCGBM	0		\$ 22,346	\$ 122,324	\$ (99,978)	8%	16	\$ (10,664)
Mar-15	6,434,931		\$ 33,309,056	\$ 20,692,520	\$ 12,616,536			\$ 1,261,654
PGC1	6,428,294	5.1762	33,274,186	\$ 20,476,789	\$ 12,797,397	8%	15	\$ 1,279,740
PGC2	6,637	1.8870	12,524	\$ 12,786	\$ (262)	8%	15	\$ (26)
PGCGBM	0		\$ 22,346	\$ 202,945	\$ (180,599)	8%	15	\$ (18,060)
<b>PGC Total</b>	<b>33,162,362</b>		<b>\$ 184,891,187</b>	<b>\$ 178,371,824</b>	<b>\$ 6,519,363</b>			

**UGI Utilities, Inc. - Gas Division**  
**DEVELOPMENT OF THE CURRENT OVER/(UNDER) COLLECTION**  
**FOR THE PERIOD ENDING: NOVEMBER 30, 2015**

Schedule C  
Page 7 of 7

	SALES - Mcf	BASE RATE	REVENUE	COST	OVER/ (UNDER) COLLECTION	RATE %	INTEREST WEIGHT	INTEREST
Apr-15	3,128,231		15,423,342	\$ 7,726,780	\$ 7,696,562			\$ 538,759
PGC1	3,125,339	4.9310	\$ 15,411,066	\$ 7,549,658	\$ 7,861,408	6%	14	\$ 550,298
PGC2	2,892	4.2448	\$ 12,276	\$ 11,847	\$ 429	6%	14	\$ 30
PGCGBM	0		\$ -	\$ 165,275	\$ (165,275)	6%	14	\$ (11,569)
May-15	1,100,919		5,374,175	\$ 5,262,570	\$ 111,605			\$ 7,254
PGC1	1,099,911	4.8821	\$ 5,368,904	\$ 5,172,258	\$ 197,646	6%	13	\$ 12,847
PGC2	1,008	4.2371	\$ 4,271	\$ 4,045	\$ 226	6%	13	\$ 15
PGCGBM	0		\$ -	\$ 88,267	\$ (88,267)	6%	13	\$ (5,807)
Jun-15	682,875		3,074,371	\$ 5,384,528	\$ (2,290,157)			\$ (137,409)
PGC1	681,681	4.5030	\$ 3,069,586	\$ 5,359,872	\$ (2,290,278)	6%	12	\$ (137,417)
PGC2	1,194	3.9992	\$ 4,775	\$ 4,656	\$ 119	6%	12	\$ 7
PGCGBM	0		\$ -	\$ -	\$ -	6%	12	\$ -
Jul-15	574,268		2,394,755	\$ 4,661,259	\$ (2,266,504)			\$ (124,658)
PGC1	572,849	4.1717	\$ 2,388,741	\$ 4,658,487	\$ (2,268,746)	6%	11	\$ (124,781)
PGC2	1,419	3.5335	\$ 5,014	\$ 5,485	\$ (471)	6%	11	\$ (28)
PGCGBM	0		\$ -	\$ (2,713)	\$ 2,713	6%	11	\$ 149
Aug-15	504,646		2,120,458	\$ 4,881,753	\$ (2,761,295)			\$ (138,065)
PGC1	502,386	4.1806	\$ 2,100,276	\$ 4,877,458	\$ (2,777,180)	6%	10	\$ (138,859)
PGC2	1,145	3.5336	\$ 4,046	\$ 4,492	\$ (446)	6%	10	\$ (27)
PGCGBM	1,115	14.4717	\$ 16,136	\$ (195)	\$ 16,331	6%	10	\$ 817
Sep-15	544,611		3,008,932	\$ 5,554,758	\$ (2,545,826)			\$ (114,562)
PGC1	498,782	4.0531	\$ 2,021,838	\$ 5,543,713	\$ (3,522,077)	6%	9	\$ (158,493)
PGC2	2,401	4.1695	\$ 10,011	\$ 9,310	\$ 701	6%	9	\$ 32
PGCGBM	43,428	22.5038	\$ 977,285	\$ 1,735	\$ 975,550	6%	9	\$ 43,900
Oct-15	883,654		3,688,327	\$ 6,299,132	\$ (2,610,805)			\$ (104,432)
PGC1	881,838	4.1738	\$ 3,680,452	\$ 6,205,875	\$ (2,525,423)	6%	8	\$ (101,017)
PGC2	1,476	3.5332	\$ 5,215	\$ 5,912	\$ (697)	6%	8	\$ (28)
PGCGBM	340	7.8235	\$ 2,660	\$ 87,345	\$ (84,685)	6%	8	\$ (3,387)
Nov-15	est. 1,945,059		8,154,266	\$ 15,535,445	\$ (7,381,179)			\$ (258,341)
PGC1	1,939,020	4.1715	\$ 8,088,622	\$ 15,299,695	\$ (7,211,073)	6%	7	\$ (252,388)
PGC2	1,950	3.5338	\$ 6,891	\$ 7,820	\$ (929)	6%	7	\$ (33)
PGCGBM	4,089	14.3685	\$ 58,753	\$ 227,831	\$ (169,178)	6%	7	\$ (5,921)
<b>PGC TOTAL</b>	<b>32,573,725</b>		<b>170,584,908</b>	<b>184,125,249</b>	<b>8,459,657</b>			<b>1,570,820</b>
PGC1 TOTAL	32,594,769		\$ 160,338,093	\$ 162,993,132	\$ 6,344,961			\$ 1,591,979
PGC2 TOTAL	29,984		\$ 102,595	\$ 104,710	\$ (2,115)			\$ (140)
PGC GBM	49,874		\$ 1,144,218	\$ 1,027,407	\$ 116,811			\$ (20,919)

{PGC YE November 2015}

Schedule D  
Page 1 of 2

**UGI Utilities, Inc. - Gas Division  
Development of The Interruptible Revenue Credit (IRC) 1/  
For the 2015 PGC Year**

IRC – THROUGH NOVEMBER 30,2015 (Estimated)	\$	2,743,756
IRC – RETURNED THRU NOVEMBER 30,2015 (Estimated)	\$	2,461,178
IRC RECONCILED	\$	282,578
PROJECTED IRC: 12 MONTHS ENDING NOVEMBER 2016	\$	1,500,000
IRC TOTAL	\$	1,782,578
PGC SALES		30,666,231
<u>IRC RATE: (\$/MCF)</u>	\$	<u>0.0581</u>

1/ See p. 31 of Tariff Gas - Pa. P.U.C. No. 5.

Schedule D  
Page 2 of 2UGI Utilities, Inc. - Gas Division  
Actual Interruptible Revenue Credit (IRC)  
For the 2015 PGC Year

MONTH	YEAR	IRC \$	MONTH	YEAR	IRC \$
December	2013	\$ 243,319	December	2014	\$ 146,269
January	2014	\$ 297,101	January	2015	\$ 87,776
February	2014	\$ 323,590	February	2015	\$ 96,844
March	2014	\$ 268,942	March	2015	\$ 96,781
April	2014	\$ 159,237	April	2015	\$ 47,058
May	2014	\$ 72,950	May	2015	\$ 16,573
June	2014	\$ 35,560	June	2015	\$ 10,293
July	2014	\$ 29,124	July	2015	\$ 8,699
August	2014	\$ 28,322	August	2015	\$ 7,630
September	2014	\$ 29,323	September	2015	\$ 8,224
October	2014	\$ 40,134	October	2015	\$ 13,315
November	2014	\$ 105,045			
<b><u>TOTAL</u></b>		<b><u>\$ 1,632,647</u></b>			

Schedule E  
Page 1 of 1

**UGI Utilities, Inc. - Gas Division**  
**Retainage Rate Calculation**  
**36 Months Ending September 30, 2015**  
**(Mcf)**

	<u>Distribution System Total</u>	<u>Rate XD Customers</u>	<u>Net Distribution System Total</u>
Sendout	369,112,621	160,716,458	208,396,163
Sales	367,937,459	160,560,744	<u>207,376,715</u>
Retainage			<u>1,019,448</u>
Retainage Rate			<u><u>0.5%</u></u>

**UGI Utilities, Inc. - Gas Division  
Rider Low Income Self Help Program (LISHP) Rate  
Supporting Documentation**

**Effective December 1, 2015**



**UGI Utilities, Inc. - Gas Division  
Development of Rider LISHP Rate  
Effective December 1,2015**

	Currently Enrolled 1/		Currently Enrolled 2/		Estimated Enrollment 3/		<u>Total</u>
(1) Customers:	4000		5193		500		9,693
(2) Consumption	111		111		111		
(3) Avg. Residential Heat Price per Mcf (Schedule B)	\$ 8.23	\$	\$ 8.23	\$	\$ 8.23		
(4) Revenues Billed: (1)*(2)*(3)	\$ 3,655,854	\$	\$ 4,746,212	\$	\$ 228,491		
(5) Customer Payments	\$ (3,304,800)	\$	\$ (4,290,457)	\$	\$ (206,550)		
(6) Discounts Total: (4)+(5)	\$ 351,054	\$	\$ 455,755	\$	\$ 21,941		
(7) Discount per customer: (6)/(1)	\$87.76						
(8) LISHP Base Discount	\$752.37						
(9) <u>LISHP SHORTFALL:</u>	\$ -	\$	\$ 455,755	\$	\$ 21,941		\$ 477,696
(10) <u>OPEB SHORTFALL: 4/</u>							\$ -
(11) Application Fees: 5/ <u>LIURP Amount: 6/</u>							\$ 375,895
(12) Recoverable Costs: (9)+(11)							\$ -
(13) Rate Determinants (mcf)							\$ 853,591
							20,743,616
(14) Rider LISHP Rate: (12)/(13) 7/							\$ 0.0412
(15) Prior Period LISHP Undercollection 8/							\$ 886,251
(16) Undercollection per mcf							\$ 0.0427
(18) <u>TOTAL LISHP Rider Surcharge =(14)+(17)</u>							\$ 0.0839

1/ Reflective of 4,000 maximum participants per restructuring settlement

2/ Reflective of current total enrollment above 4,000 maximum per restructuring settlement

3/ Maximum Enrollment = 10,000

4/ In accordance with Paragraph 11(g)(3) of UGI's Universal Service Restructuring Settlement. (Docket No. R-00994786)

5/ Application fees are reflective of \$38.78 per each new LISHP participant, annualized for recovery

6/ In accordance with Paragraph E5 of the Terms & Conditions of the UGI Penn Acquisition Settlement (Docket No A 120011F2000).

7/ LISHP Rate can not be less than zero.

8/ Per November 1,2015 LISHP Reconciliation filing.

**Residential Heating Impact:**

Prior LISHP Rate	\$ (0.0024)
Change in LISHP Rate:	\$ 0.0863
RH Price (Non LISHP Customer)	\$ 8.93
RH %	0.97%
Avg Bill Impact	\$ 0.73
Annual Impact:	\$ 8.80

## Schedule B

**UGI Utilities, Inc. - Gas Division**  
**Development of Avg. Residential Heat Price per Mcf**  
**Rider LISHP Rate**  
**Effective December 1, 2015**

	<u>Annual Billing Determinant</u>	<u>Rate</u>	<u>Annual \$</u>
(1) <i>Customer Charge</i>	12	\$ 8.55	\$ 103
<i>Distribution Charge</i>			
(2) 1st 5 mcf	51	\$ 3.31	\$ 169
(3) over 5 mcf	60	\$ 2.66	\$ 160
(4) PGC Cost of Gas:	111	\$4.2662	\$ 474
(5) <i>Gas Procurement Charge</i>	111	\$0.0400	\$ 4
(6) <i>Merchant Function Charge</i>		2.19%	\$ 10
(7) <i>Sub total : (1)+(2)+(3)+(4)+(5)+(6)</i>			\$ 919
(8) <i>State Tax Surcharge</i>		-0.60%	\$ (6)
(9) <i>TOTAL Average Residential LISHP Bill: (7)+(8)</i>			<u>\$ 914</u>
(10) <i>TOTAL Average Normalized Residential LISHP Usage (MCF)</i>			111
(11) <b><u>Average Residential Heat Price per Mcf: (9)/(10)</u></b>			<b><u>\$ 8.23</u></b>

## RATE SCHEDULE R (Residential)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
0	183319	183,319	-	0	22,840,199.3	\$1,567,377.45	\$3,208,082.50
0.1	65743	249,062	6,574.3	6,574	22,833,625.0	\$613,327.62	\$1,201,499.35
0.2	47949	297,011	9,589.8	16,164	22,824,035.2	\$484,684.79	\$913,495.58
0.3	50588	347,599	15,176.4	31,341	22,808,858.8	\$550,777.36	\$1,003,013.33
0.4	52989	400,588	21,195.6	52,536	22,787,663.2	\$618,205.71	\$1,091,721.77
0.5	54392	454,980	27,196.0	79,732	22,760,467.2	\$676,954.67	\$1,162,819.37
0.6	62259	517,239	37,355.4	117,088	22,723,111.8	\$823,376.52	\$1,379,298.34
0.7	69694	586,933	48,785.8	165,873	22,674,326.0	\$976,008.02	\$1,598,076.45
0.8	75634	662,567	60,507.2	226,381	22,613,818.8	\$1,118,124.65	\$1,792,949.35
0.9	78250	740,817	70,425.0	296,806	22,543,393.8	\$1,217,767.97	\$1,915,661.73
1	79325	820,142	79,325.0	376,131	22,464,068.8	\$1,296,305.35	\$2,003,511.53
1.1	78267	898,409	86,093.7	462,224	22,377,975.1	\$1,339,999.13	\$2,037,501.33
1.2	76653	975,062	91,983.6	554,208	22,285,991.5	\$1,372,091.77	\$2,054,944.29
1.3	74658	1,049,720	97,055.4	651,263	22,188,936.1	\$1,394,552.46	\$2,059,373.74
1.4	70947	1,120,667	99,325.8	750,589	22,089,610.3	\$1,380,513.69	\$2,012,042.73
1.5	69463	1,190,130	104,194.5	854,784	21,985,415.8	\$1,405,760.94	\$2,023,839.24
1.6	66352	1,256,482	106,163.2	960,947	21,879,252.6	\$1,394,501.41	\$1,984,667.94
1.7	62768	1,319,250	106,705.6	1,067,652	21,772,547.0	\$1,368,084.42	\$1,926,155.34
1.8	59620	1,378,870	107,316.0	1,174,968	21,665,231.0	\$1,345,925.08	\$1,875,800.21
1.9	55763	1,434,633	105,949.7	1,280,918	21,559,281.3	\$1,302,301.93	\$1,797,704.32
2	51912	1,486,545	103,824.0	1,384,742	21,455,457.3	\$1,252,813.06	\$1,713,822.77
2.1	49205	1,535,750	103,330.5	1,488,073	21,352,126.8	\$1,225,823.01	\$1,662,622.19
2.2	45481	1,581,231	100,058.2	1,588,131	21,252,068.6	\$1,168,486.03	\$1,572,068.96
2.3	41512	1,622,743	95,477.6	1,683,608	21,156,591.0	\$1,098,860.42	\$1,467,079.74
2.4	39542	1,662,285	94,900.8	1,778,509	21,061,690.2	\$1,077,522.66	\$1,428,130.51
2.5	36789	1,699,074	91,972.5	1,870,482	20,969,717.7	\$1,031,168.08	\$1,357,238.18
2.6	34491	1,733,565	89,676.6	1,960,158	20,880,041.1	\$993,631.21	\$1,299,213.89
2.7	31873	1,765,438	86,057.1	2,046,215	20,793,984.0	\$943,045.26	\$1,225,322.42
2.8	29513	1,794,951	82,636.4	2,128,852	20,711,347.6	\$896,214.19	\$1,157,488.05
2.9	27687	1,822,638	80,292.3	2,209,144	20,631,055.3	\$862,337.36	\$1,107,349.87
3	26250	1,848,888	78,750.0	2,287,894	20,552,305.3	\$838,033.88	\$1,070,238.75
3.1	24263	1,873,151	75,215.3	2,363,109	20,477,090.0	\$793,503.70	\$1,008,047.58
3.2	22444	1,895,595	71,820.8	2,434,930	20,405,269.2	\$751,502.33	\$949,883.95
3.3	21935	1,917,530	72,385.5	2,507,316	20,332,883.7	\$751,550.35	\$945,356.82
3.4	20334	1,937,864	69,135.6	2,576,451	20,263,748.1	\$712,539.55	\$892,129.85
3.5	19842	1,957,706	69,447.0	2,645,898	20,194,301.1	\$710,759.29	\$885,935.38
3.6	18549	1,976,255	66,776.4	2,712,675	20,127,524.7	\$678,895.63	\$842,592.03
3.7	17921	1,994,176	66,307.7	2,778,982	20,061,217.0	\$669,874.26	\$827,966.33
3.8	17278	2,011,454	65,656.4	2,844,639	19,995,560.6	\$659,301.87	\$811,661.69
3.9	16454	2,027,908	64,170.6	2,908,809	19,931,390.0	\$640,679.76	\$785,716.34
4	15906	2,043,814	63,624.0	2,972,433	19,867,766.0	\$631,735.42	\$771,886.37
4.1	15245	2,059,059	62,504.5	3,034,938	19,805,261.5	\$617,361.06	\$751,634.91
4.2	14499	2,073,558	60,895.8	3,095,834	19,744,365.7	\$598,448.25	\$726,101.22
4.3	14376	2,087,934	61,816.8	3,157,650	19,682,548.9	\$604,572.76	\$731,092.92
4.4	13992	2,101,926	61,564.8	3,219,215	19,620,984.1	\$599,326.05	\$722,418.15
4.5	13740	2,115,666	61,830.0	3,281,045	19,559,154.1	\$599,237.81	\$720,065.31
4.6	13280	2,128,946	61,088.0	3,342,133	19,498,066.1	\$589,523.37	\$706,259.62
4.7	13040	2,141,986	61,288.0	3,403,421	19,436,778.1	\$589,029.71	\$703,611.02
4.8	12706	2,154,692	60,988.8	3,464,410	19,375,789.3	\$583,842.73	\$695,445.12
4.9	12391	2,167,083	60,715.9	3,525,126	19,315,073.4	\$579,023.13	\$687,815.74

## RATE SCHEDULE R (Residential)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
5	12323	2,179,406	61,615.0	3,586,741	19,253,458.4	\$585,447.25	\$693,600.06
5.1	11667	2,191,073	59,501.7	3,646,243	19,193,956.7	\$562,619.96	\$665,727.19
5.2	11759	2,202,832	61,146.8	3,707,389	19,132,809.9	\$575,460.53	\$680,098.23
5.3	11742	2,214,574	62,232.6	3,769,622	19,070,577.3	\$583,020.48	\$688,223.28
5.4	11609	2,226,183	62,688.6	3,832,311	19,007,888.7	\$584,713.52	\$689,432.97
5.5	11361	2,237,544	62,485.5	3,894,796	18,945,403.2	\$580,342.03	\$683,517.52
5.6	11301	2,248,845	63,285.6	3,958,082	18,882,117.6	\$585,353.83	\$688,673.90
5.7	11090	2,259,935	63,213.0	4,021,295	18,818,904.6	\$582,350.65	\$684,418.24
5.8	11028	2,270,963	63,962.4	4,085,257	18,754,942.2	\$586,976.55	\$689,146.34
5.9	10849	2,281,812	64,009.1	4,149,266	18,690,933.1	\$585,202.76	\$686,376.09
6	10448	2,292,260	62,688.0	4,211,954	18,628,245.1	\$571,039.62	\$669,110.82
6.1	10633	2,302,893	64,861.3	4,276,816	18,563,383.8	\$588,750.17	\$689,206.60
6.2	10471	2,313,364	64,920.2	4,341,736	18,498,463.6	\$587,263.73	\$686,828.49
6.3	10171	2,323,535	64,077.3	4,405,813	18,434,386.3	\$577,707.41	\$675,040.12
6.4	10331	2,333,866	66,118.4	4,471,931	18,368,267.9	\$594,178.79	\$693,672.93
6.5	10407	2,344,273	67,645.5	4,539,577	18,300,622.4	\$605,987.64	\$706,848.64
6.6	10321	2,354,594	68,118.6	4,607,696	18,232,503.8	\$608,356.28	\$709,013.48
6.7	10285	2,364,879	68,909.5	4,676,605	18,163,594.3	\$613,584.90	\$714,518.49
6.8	10008	2,374,887	68,054.4	4,744,659	18,095,539.9	\$604,212.18	\$703,037.98
6.9	9813	2,384,700	67,709.7	4,812,369	18,027,830.2	\$599,452.72	\$696,951.64
7	9995	2,394,695	69,965.0	4,882,334	17,957,865.2	\$617,713.99	\$717,631.01
7.1	9851	2,404,546	69,942.1	4,952,276	17,887,923.1	\$615,854.87	\$714,933.37
7.2	9721	2,414,267	69,991.2	5,022,267	17,817,931.9	\$614,675.16	\$713,039.24
7.3	9702	2,423,969	70,824.6	5,093,092	17,747,107.3	\$620,407.68	\$719,171.42
7.4	9740	2,433,709	72,076.0	5,165,168	17,675,031.3	\$629,798.72	\$729,543.53
7.5	9614	2,443,323	72,105.0	5,237,273	17,602,926.3	\$628,522.46	\$727,563.49
7.6	9509	2,452,832	72,268.4	5,309,541	17,530,657.9	\$628,453.99	\$726,993.48
7.7	9737	2,462,569	74,974.9	5,384,516	17,455,683.0	\$650,481.55	\$751,977.80
7.8	9384	2,471,953	73,195.2	5,457,712	17,382,487.8	\$633,605.99	\$731,995.17
7.9	9386	2,481,339	74,149.4	5,531,861	17,308,338.4	\$640,449.11	\$739,431.90
8	9368	2,490,707	74,944.0	5,606,805	17,233,394.4	\$645,916.11	\$745,280.61
8.1	9548	2,500,255	77,338.8	5,684,144	17,156,055.6	\$665,150.82	\$767,007.07
8.2	9457	2,509,712	77,547.4	5,761,691	17,078,508.2	\$665,570.23	\$767,032.68
8.3	9130	2,518,842	75,779.0	5,837,470	17,002,729.2	\$649,081.56	\$747,592.70
8.4	9372	2,528,214	78,724.8	5,916,195	16,924,004.4	\$672,984.20	\$774,678.27
8.5	9267	2,537,481	78,769.5	5,994,964	16,845,234.9	\$672,067.40	\$773,187.51
8.6	9210	2,546,691	79,206.0	6,074,170	16,766,028.9	\$674,515.90	\$775,575.94
8.7	9183	2,555,874	79,892.1	6,154,063	16,686,136.8	\$679,101.49	\$780,425.52
8.8	9044	2,564,918	79,587.2	6,233,650	16,606,549.6	\$675,285.82	\$775,627.91
8.9	9114	2,574,032	81,114.6	6,314,764	16,525,435.0	\$687,026.17	\$788,700.95
9	9225	2,583,257	83,025.0	6,397,789	16,442,410.0	\$701,986.52	\$805,462.43
9.1	8966	2,592,223	81,590.6	6,479,380	16,360,819.4	\$688,685.54	\$789,803.28
9.2	9130	2,601,353	83,996.0	6,563,376	16,276,823.4	\$707,807.63	\$811,331.97
9.3	9051	2,610,404	84,174.3	6,647,550	16,192,649.1	\$708,151.78	\$811,332.55
9.4	8739	2,619,143	82,146.6	6,729,697	16,110,502.5	\$689,986.52	\$790,143.68
9.5	9058	2,628,201	86,051.0	6,815,748	16,024,451.5	\$721,646.78	\$826,012.61
9.6	9009	2,637,210	86,486.4	6,902,234	15,937,965.1	\$724,181.62	\$828,532.50
9.7	8728	2,645,938	84,661.6	6,986,896	15,853,303.5	\$707,831.46	\$809,460.03
9.8	8704	2,654,642	85,299.2	7,072,195	15,768,004.3	\$712,105.75	\$813,985.89
9.9	8857	2,663,499	87,684.3	7,159,879	15,680,320.0	\$730,953.24	\$835,164.62

**RATE SCHEDULE R (Residential)**

**Bill Frequency Analysis (2014-2015 MCFs)**

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
10	8810	2,672,309	88,100.0	7,247,979	15,592,220.0	\$733,370.83	\$837,566.70
10.1	8759	2,681,068	88,465.9	7,336,445	15,503,754.1	\$735,385.41	\$839,512.49
10.2	8656	2,689,724	88,291.2	7,424,736	15,415,462.9	\$732,924.12	\$836,354.84
10.3	8673	2,698,397	89,331.9	7,514,068	15,326,131.0	\$740,562.06	\$844,725.05
10.4	8576	2,706,973	89,190.4	7,603,259	15,236,940.6	\$738,408.69	\$841,929.93
10.5	8549	2,715,522	89,764.5	7,693,023	15,147,176.1	\$742,193.83	\$845,910.73
10.6	8464	2,723,986	89,718.4	7,782,742	15,057,457.7	\$740,863.57	\$844,065.63
10.7	8285	2,732,271	88,649.5	7,871,391	14,968,808.2	\$731,116.70	\$832,641.67
10.8	8348	2,740,619	90,158.4	7,961,550	14,878,649.8	\$742,642.42	\$845,448.71
10.9	8248	2,748,867	89,903.2	8,051,453	14,788,746.6	\$739,641.13	\$841,719.12
11	8371	2,757,238	92,081.0	8,143,534	14,696,665.6	\$756,653.85	\$860,764.82
11.1	8268	2,765,506	91,774.8	8,235,309	14,604,890.8	\$753,252.75	\$856,587.12
11.2	8298	2,773,804	92,937.6	8,328,246	14,511,953.2	\$761,916.39	\$866,131.96
11.3	8229	2,782,033	92,987.7	8,421,234	14,418,965.5	\$761,462.04	\$865,313.09
11.4	8257	2,790,290	94,129.8	8,515,364	14,324,835.7	\$769,954.19	\$874,662.36
11.5	8172	2,798,462	93,978.0	8,609,342	14,230,857.7	\$767,868.50	\$871,997.35
11.6	7912	2,806,374	91,779.2	8,701,121	14,139,078.5	\$749,092.65	\$850,391.25
11.7	7895	2,814,269	92,371.5	8,793,492	14,046,707.0	\$753,125.60	\$854,688.23
11.8	7959	2,822,228	93,916.2	8,887,409	13,952,790.8	\$764,918.96	\$867,790.46
11.9	7782	2,830,010	92,605.8	8,980,014	13,860,185.0	\$753,469.66	\$854,528.19
12	7847	2,837,857	94,164.0	9,074,178	13,766,021.0	\$765,371.27	\$867,752.65
12.1	7642	2,845,499	92,468.2	9,166,647	13,673,552.8	\$750,837.89	\$851,010.83
12.2	7806	2,853,305	95,233.2	9,261,880	13,578,319.6	\$772,530.00	\$875,328.93
12.3	7645	2,860,950	94,033.5	9,355,913	13,484,286.1	\$762,060.25	\$863,205.36
12.4	7448	2,868,398	92,355.2	9,448,268	13,391,930.9	\$747,746.13	\$846,739.29
12.5	7497	2,875,895	93,712.5	9,541,981	13,298,218.4	\$758,023.54	\$858,125.36
12.6	7612	2,883,507	95,911.2	9,637,892	13,202,307.2	\$775,091.44	\$877,193.18
12.7	7409	2,890,916	94,094.3	9,731,986	13,108,212.9	\$759,716.12	\$859,546.99
12.8	7372	2,898,288	94,361.6	9,826,348	13,013,851.3	\$761,190.85	\$860,972.93
12.9	7250	2,905,538	93,525.0	9,919,873	12,920,326.3	\$753,775.32	\$852,348.43
13	7421	2,912,959	96,473.0	10,016,346	12,823,853.3	\$776,857.74	\$878,208.56
13.1	7337	2,920,296	96,114.7	10,112,461	12,727,738.6	\$773,307.99	\$873,959.23
13.2	7059	2,927,355	93,178.8	10,205,640	12,634,559.8	\$749,052.23	\$846,320.45
13.3	7121	2,934,476	94,709.3	10,300,349	12,539,850.5	\$760,720.55	\$859,277.54
13.4	6957	2,941,433	93,223.8	10,393,573	12,446,626.7	\$748,172.89	\$844,884.52
13.5	7088	2,948,521	95,688.0	10,489,261	12,350,938.7	\$767,326.68	\$866,291.82
13.6	6942	2,955,463	94,411.2	10,583,672	12,256,527.5	\$756,482.51	\$853,832.68
13.7	7015	2,962,478	96,105.5	10,679,777	12,160,422.0	\$769,451.01	\$868,252.86
13.8	6778	2,969,256	93,536.4	10,773,314	12,066,885.6	\$748,299.47	\$844,176.85
13.9	6787	2,976,043	94,339.3	10,867,653	11,972,546.3	\$754,143.68	\$850,562.45
14	6760	2,982,803	94,640.0	10,962,293	11,877,906.3	\$755,974.86	\$852,422.48
14.1	6716	2,989,519	94,695.6	11,056,989	11,783,210.7	\$755,854.17	\$852,083.77
14.2	6522	2,996,041	92,612.4	11,149,601	11,690,598.3	\$738,681.59	\$832,529.39
14.3	6588	3,002,629	94,208.4	11,243,809	11,596,389.9	\$750,865.13	\$846,064.56
14.4	6308	3,008,937	90,835.2	11,334,645	11,505,554.7	\$723,460.48	\$814,998.65
14.5	6420	3,015,357	93,090.0	11,427,735	11,412,464.7	\$740,894.00	\$834,449.13
14.6	6415	3,021,772	93,659.0	11,521,394	11,318,805.7	\$744,901.72	\$838,775.36
14.7	6197	3,027,969	91,095.9	11,612,490	11,227,709.8	\$724,016.77	\$815,078.40
14.8	6195	3,034,164	91,686.0	11,704,176	11,136,023.8	\$728,210.60	\$819,620.80
14.9	6027	3,040,191	89,802.3	11,793,978	11,046,221.5	\$712,769.96	\$802,068.94

**RATE SCHEDULE R (Residential)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
15	6038	3,046,229	90,570.0	11,884,548	10,955,651.5	\$718,386.15	\$808,216.49
15.1	6167	3,052,396	93,121.7	11,977,670	10,862,529.8	\$738,141.74	\$830,267.53
15.2	5937	3,058,333	90,242.4	12,067,912	10,772,287.4	\$714,855.65	\$803,907.80
15.3	5810	3,064,143	88,893.0	12,156,805	10,683,394.4	\$703,716.32	\$791,218.00
15.4	5881	3,070,024	90,567.4	12,247,372	10,592,827.0	\$716,519.05	\$805,448.82
15.5	5897	3,075,921	91,403.5	12,338,776	10,501,423.5	\$722,682.95	\$812,214.45
15.6	5692	3,081,613	88,795.2	12,427,571	10,412,628.3	\$701,628.02	\$788,394.37
15.7	5810	3,087,423	91,217.0	12,518,788	10,321,411.3	\$720,325.72	\$809,245.27
15.8	5651	3,093,074	89,285.8	12,608,074	10,232,125.5	\$704,651.56	\$791,482.45
15.9	5638	3,098,712	89,644.2	12,697,718	10,142,481.3	\$707,059.94	\$794,035.06
16	5540	3,104,252	88,640.0	12,786,358	10,053,841.3	\$698,729.18	\$784,530.48
16.1	5452	3,109,704	87,777.2	12,874,135	9,966,064.1	\$691,526.72	\$776,297.74
16.2	5364	3,115,068	86,896.8	12,961,032	9,879,167.3	\$684,198.48	\$767,928.48
16.3	5441	3,120,509	88,688.3	13,049,720	9,790,479.0	\$697,908.75	\$783,172.64
16.4	5158	3,125,667	84,591.2	13,134,312	9,705,887.8	\$665,295.14	\$746,438.94
16.5	5252	3,130,919	86,658.0	13,220,970	9,619,229.8	\$681,173.11	\$764,116.11
16.6	5210	3,136,129	86,486.0	13,307,456	9,532,743.8	\$679,449.33	\$762,046.90
16.7	5179	3,141,308	86,489.3	13,393,945	9,446,254.5	\$679,107.92	\$761,530.00
16.8	5071	3,146,379	85,192.8	13,479,138	9,361,061.7	\$668,570.38	\$749,583.05
16.9	5017	3,151,396	84,787.3	13,563,925	9,276,274.4	\$665,036.51	\$745,492.59
17	4919	3,156,315	83,623.0	13,647,548	9,192,651.4	\$655,561.52	\$734,746.11
17.1	4834	3,161,149	82,661.4	13,730,209	9,109,990.0	\$647,688.28	\$725,799.48
17.2	4885	3,166,034	84,022.0	13,814,231	9,025,968.0	\$658,012.82	\$737,246.15
17.3	4739	3,170,773	81,984.7	13,896,216	8,943,983.3	\$641,733.44	\$718,887.82
17.4	4770	3,175,543	82,998.0	13,979,214	8,860,985.3	\$649,340.39	\$727,290.49
17.5	4691	3,180,234	82,092.5	14,061,307	8,778,892.8	\$641,938.72	\$718,884.02
17.6	4563	3,184,797	80,308.8	14,141,615	8,698,584.0	\$627,683.72	\$702,807.86
17.7	4693	3,189,490	83,066.1	14,224,681	8,615,517.9	\$648,920.49	\$726,471.24
17.8	4553	3,194,043	81,043.4	14,305,725	8,534,474.5	\$632,816.10	\$708,331.15
17.9	4491	3,198,534	80,388.9	14,386,114	8,454,085.6	\$627,408.46	\$702,169.20
18	4538	3,203,072	81,684.0	14,467,798	8,372,401.6	\$637,217.79	\$713,037.79
18.1	4243	3,207,315	76,798.3	14,544,596	8,295,603.3	\$598,826.85	\$669,976.91
18.2	4271	3,211,586	77,732.2	14,622,328	8,217,871.1	\$605,831.01	\$677,711.18
18.3	4357	3,215,943	79,733.1	14,702,061	8,138,138.0	\$621,143.81	\$694,737.16
18.4	4173	3,220,116	76,783.2	14,778,845	8,061,354.8	\$597,894.75	\$668,634.78
18.5	4208	3,224,324	77,848.0	14,856,693	7,983,506.8	\$605,916.86	\$677,506.94
18.6	4211	3,228,535	78,324.6	14,935,017	7,905,182.2	\$609,358.40	\$681,256.42
18.7	4081	3,232,616	76,314.7	15,011,332	7,828,867.5	\$593,463.22	\$663,390.63
18.8	4075	3,236,691	76,610.0	15,087,942	7,752,257.5	\$595,503.06	\$665,576.27
18.9	3835	3,240,526	72,481.5	15,160,423	7,679,776.0	\$563,171.32	\$629,351.50
19	3861	3,244,387	73,359.0	15,233,782	7,606,417.0	\$569,748.85	\$636,613.26
19.1	3962	3,248,349	75,674.2	15,309,457	7,530,742.8	\$587,484.53	\$656,339.77
19.2	3678	3,252,027	70,617.6	15,380,074	7,460,125.2	\$548,001.70	\$612,145.72
19.3	3678	3,255,705	70,985.4	15,451,060	7,389,139.8	\$550,630.33	\$614,998.75
19.4	3767	3,259,472	73,079.8	15,524,139	7,316,060.0	\$566,646.68	\$632,802.51
19.5	3696	3,263,168	72,072.0	15,596,211	7,243,988.0	\$558,608.08	\$623,742.50
19.6	3715	3,266,883	72,814.0	15,669,025	7,171,174.0	\$564,134.79	\$629,830.70
19.7	3452	3,270,335	68,004.4	15,737,030	7,103,169.6	\$526,664.49	\$587,920.13
19.8	3557	3,273,892	70,428.6	15,807,458	7,032,741.0	\$545,226.28	\$608,562.15
19.9	3482	3,277,374	69,291.8	15,876,750	6,963,449.2	\$536,218.63	\$598,431.49

## RATE SCHEDULE R (Residential)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
20	3459	3,280,833	69,180.0	15,945,930	6,894,269.2	\$535,148.81	\$597,161.76
20.1	3272	3,284,105	65,767.2	16,011,697	6,828,502.0	\$508,556.13	\$567,416.17
20.2	3423	3,287,528	69,144.6	16,080,842	6,759,357.4	\$534,471.94	\$596,257.16
20.3	3311	3,290,839	67,213.3	16,148,055	6,692,144.1	\$519,350.45	\$579,316.07
20.4	3287	3,294,126	67,054.8	16,215,110	6,625,089.3	\$517,935.09	\$577,666.58
20.5	3170	3,297,296	64,985.0	16,280,095	6,560,104.3	\$501,764.88	\$559,563.65
20.6	3237	3,300,533	66,682.2	16,346,777	6,493,422.1	\$514,683.45	\$573,901.33
20.7	3060	3,303,593	63,342.0	16,410,119	6,430,080.1	\$488,727.38	\$544,893.89
20.8	3070	3,306,663	63,856.0	16,473,975	6,366,224.1	\$492,518.63	\$549,055.99
20.9	2940	3,309,603	61,446.0	16,535,421	6,304,778.1	\$473,763.98	\$528,086.62
21	3080	3,312,683	64,680.0	16,600,101	6,240,098.1	\$498,525.41	\$555,622.76
21.1	2899	3,315,582	61,168.9	16,661,270	6,178,929.2	\$471,300.84	\$525,219.66
21.2	2856	3,318,438	60,547.2	16,721,817	6,118,382.0	\$466,351.33	\$519,644.63
21.3	2969	3,321,407	63,239.7	16,785,057	6,055,142.3	\$486,924.82	\$542,507.85
21.4	2858	3,324,265	61,161.2	16,846,218	5,993,981.1	\$470,763.07	\$524,442.43
21.5	2895	3,327,160	62,242.5	16,908,461	5,931,738.6	\$478,926.65	\$533,477.57
21.6	2817	3,329,977	60,847.2	16,969,308	5,870,891.4	\$468,036.21	\$521,289.23
21.7	2753	3,332,730	59,740.1	17,029,048	5,811,151.3	\$459,370.34	\$511,581.46
21.8	2746	3,335,476	59,862.8	17,088,911	5,751,288.5	\$460,164.85	\$512,410.74
21.9	2673	3,338,149	58,538.7	17,147,450	5,692,749.8	\$449,842.14	\$500,862.20
22	2695	3,340,844	59,290.0	17,206,740	5,633,459.8	\$455,470.63	\$507,075.03
22.1	2613	3,343,457	57,747.3	17,264,487	5,575,712.5	\$443,479.64	\$493,673.31
22.2	2647	3,346,104	58,763.4	17,323,250	5,516,949.1	\$451,141.92	\$502,150.19
22.3	2501	3,348,605	55,772.3	17,379,023	5,461,176.8	\$428,045.82	\$476,393.23
22.4	2536	3,351,141	56,806.4	17,435,829	5,404,370.4	\$435,848.52	\$485,027.24
22.5	2514	3,353,655	56,565.0	17,492,394	5,347,805.4	\$433,864.23	\$482,769.71
22.6	2548	3,356,203	57,584.8	17,549,979	5,290,220.6	\$441,552.96	\$491,275.29
22.7	2382	3,358,585	54,071.4	17,604,050	5,236,149.2	\$414,488.56	\$461,116.85
22.8	2349	3,360,934	53,557.2	17,657,607	5,182,592.0	\$410,425.08	\$456,550.70
22.9	2379	3,363,313	54,479.1	17,712,086	5,128,112.9	\$417,367.03	\$464,226.88
23	2286	3,365,599	52,578.0	17,764,664	5,075,534.9	\$402,685.07	\$447,852.55
23.1	2314	3,367,913	53,453.4	17,818,118	5,022,081.5	\$409,271.14	\$455,133.02
23.2	2250	3,370,163	52,200.0	17,870,318	4,969,881.5	\$399,559.68	\$444,290.40
23.3	2221	3,372,384	51,749.3	17,922,067	4,918,132.2	\$395,997.13	\$440,286.82
23.4	2147	3,374,531	50,239.8	17,972,307	4,867,892.4	\$384,337.60	\$427,282.63
23.5	2176	3,376,707	51,136.0	18,023,443	4,816,756.4	\$391,084.10	\$434,741.95
23.6	2059	3,378,766	48,592.4	18,072,035	4,768,164.0	\$371,527.69	\$412,963.75
23.7	2073	3,380,839	49,130.1	18,121,165	4,719,033.9	\$375,535.41	\$417,379.69
23.8	2047	3,382,886	48,718.6	18,169,884	4,670,315.3	\$372,288.34	\$413,732.68
23.9	2040	3,384,926	48,756.0	18,218,640	4,621,559.3	\$372,473.22	\$413,900.29
24	2033	3,386,959	48,792.0	18,267,432	4,572,767.3	\$372,648.09	\$414,057.04
24.1	1955	3,388,914	47,115.5	18,314,548	4,525,651.8	\$359,747.94	\$399,687.43
24.2	1952	3,390,866	47,238.4	18,361,786	4,478,413.4	\$360,590.97	\$400,588.27
24.3	1917	3,392,783	46,583.1	18,408,369	4,431,830.3	\$355,495.52	\$394,892.61
24.4	1912	3,394,695	46,652.8	18,455,022	4,385,177.5	\$355,934.78	\$395,345.77
24.5	1882	3,396,577	46,109.0	18,501,131	4,339,068.5	\$351,695.08	\$390,602.51
24.6	1900	3,398,477	46,740.0	18,547,871	4,292,328.5	\$356,416.71	\$395,812.18
24.7	1851	3,400,328	45,719.7	18,593,591	4,246,608.8	\$348,547.80	\$387,040.21
24.8	1808	3,402,136	44,838.4	18,638,429	4,201,770.4	\$341,742.95	\$379,451.47
24.9	1727	3,403,863	43,002.3	18,681,431	4,158,768.1	\$327,666.84	\$363,791.34

## RATE SCHEDULE R (Residential)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
25	1791	3,405,654	44,775.0	18,726,206	4,113,993.1	\$341,089.68	\$378,662.18
25.1	1675	3,407,329	42,042.5	18,768,249	4,071,950.6	\$320,194.99	\$355,436.17
25.2	1698	3,409,027	42,789.6	18,811,038	4,029,161.0	\$325,805.24	\$361,633.93
25.3	1649	3,410,676	41,719.7	18,852,758	3,987,441.3	\$317,581.85	\$352,477.21
25.4	1626	3,412,302	41,300.4	18,894,058	3,946,140.9	\$314,314.35	\$348,822.20
25.5	1576	3,413,878	40,188.0	18,934,246	3,905,952.9	\$305,775.44	\$339,318.32
25.6	1612	3,415,490	41,267.2	18,975,514	3,864,685.7	\$313,912.24	\$348,319.67
25.7	1544	3,417,034	39,680.8	19,015,194	3,825,004.9	\$301,773.77	\$334,823.97
25.8	1610	3,418,644	41,538.0	19,056,732	3,783,466.9	\$315,824.07	\$350,385.27
25.9	1526	3,420,170	39,523.4	19,096,256	3,743,943.5	\$300,436.91	\$333,288.01
26	1588	3,421,758	41,288.0	19,137,544	3,702,655.5	\$313,778.32	\$348,061.02
26.1	1514	3,423,272	39,515.4	19,177,059	3,663,140.1	\$300,238.45	\$333,015.96
26.2	1503	3,424,775	39,378.6	19,216,438	3,623,761.5	\$299,131.24	\$331,762.30
26.3	1396	3,426,171	36,714.8	19,253,153	3,587,046.7	\$278,833.51	\$309,226.70
26.4	1437	3,427,608	37,936.8	19,291,089	3,549,109.9	\$288,049.75	\$319,423.26
26.5	1433	3,429,041	37,974.5	19,329,064	3,511,135.4	\$288,272.10	\$319,645.70
26.6	1393	3,430,434	37,053.8	19,366,118	3,474,081.6	\$281,220.99	\$311,803.83
26.7	1401	3,431,835	37,406.7	19,403,524	3,436,674.9	\$283,837.32	\$314,681.27
26.8	1385	3,433,220	37,118.0	19,440,642	3,399,556.9	\$281,585.62	\$312,161.83
26.9	1333	3,434,553	35,857.7	19,476,500	3,363,699.2	\$271,966.14	\$301,475.68
27	1284	3,435,837	34,668.0	19,511,168	3,329,031.2	\$262,886.55	\$291,389.68
27.1	1339	3,437,176	36,286.9	19,547,455	3,292,744.3	\$275,104.23	\$304,909.98
27.2	1250	3,438,426	34,000.0	19,581,455	3,258,744.3	\$257,712.10	\$285,613.00
27.3	1225	3,439,651	33,442.5	19,614,898	3,225,301.8	\$253,433.35	\$280,850.97
27.4	1242	3,440,893	34,030.8	19,648,928	3,191,271.0	\$257,838.03	\$285,711.92
27.5	1257	3,442,150	34,567.5	19,683,496	3,156,703.5	\$261,850.38	\$290,137.60
27.6	1211	3,443,361	33,423.6	19,716,919	3,123,279.9	\$253,133.44	\$280,459.37
27.7	1160	3,444,521	32,132.0	19,749,051	3,091,147.9	\$243,302.03	\$269,547.92
27.8	1166	3,445,687	32,414.8	19,781,466	3,058,733.1	\$245,393.82	\$271,846.60
27.9	1194	3,446,881	33,312.6	19,814,779	3,025,420.5	\$252,139.98	\$279,300.84
28	1109	3,447,990	31,052.0	19,845,831	2,994,368.5	\$234,982.90	\$260,277.86
28.1	1160	3,449,150	32,596.0	19,878,427	2,961,772.5	\$246,618.19	\$273,147.17
28.2	1086	3,450,236	30,625.2	19,909,052	2,931,147.3	\$231,661.81	\$256,564.68
28.3	1077	3,451,313	30,479.1	19,939,531	2,900,668.2	\$230,511.68	\$255,273.88
28.4	1040	3,452,353	29,536.0	19,969,067	2,871,132.2	\$223,335.80	\$247,310.75
28.5	1040	3,453,393	29,640.0	19,998,707	2,841,492.2	\$224,079.08	\$248,117.48
28.6	1057	3,454,450	30,230.2	20,028,937	2,811,262.0	\$228,497.33	\$252,993.16
28.7	1015	3,455,465	29,130.5	20,058,068	2,782,131.5	\$220,143.38	\$243,727.79
28.8	1055	3,456,520	30,384.0	20,088,452	2,751,747.5	\$229,572.98	\$254,151.19
28.9	1021	3,457,541	29,506.9	20,117,959	2,722,240.6	\$222,904.12	\$246,752.52
29	1023	3,458,564	29,667.0	20,147,626	2,692,573.6	\$224,071.88	\$248,029.42
29.1	928	3,459,492	27,004.8	20,174,631	2,665,568.8	\$203,926.88	\$225,716.23
29.2	959	3,460,451	28,002.8	20,202,633	2,637,566.0	\$211,424.48	\$234,000.22
29.3	914	3,461,365	26,780.2	20,229,414	2,610,785.8	\$202,156.85	\$223,729.01
29.4	938	3,462,303	27,577.2	20,256,991	2,583,208.6	\$208,135.50	\$230,331.34
29.5	985	3,463,288	29,057.5	20,286,048	2,554,151.1	\$219,268.44	\$242,636.53
29.6	869	3,464,157	25,722.4	20,311,771	2,528,428.7	\$194,067.03	\$214,736.16
29.7	898	3,465,055	26,670.6	20,338,441	2,501,758.1	\$201,185.16	\$222,598.84
29.8	862	3,465,917	25,687.6	20,364,129	2,476,070.5	\$193,735.90	\$214,343.71
29.9	833	3,466,750	24,906.7	20,389,036	2,451,163.8	\$187,813.44	\$207,778.77



## RATE SCHEDULE R (Residential)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
30	808	3,467,558	24,240.0	20,413,276	2,426,923.8	\$182,754.25	\$202,169.68
30.1	836	3,468,394	25,163.6	20,438,439	2,401,760.2	\$189,684.80	\$209,824.05
30.2	820	3,469,214	24,764.0	20,463,203	2,376,996.2	\$186,640.51	\$206,444.35
30.3	790	3,470,004	23,937.0	20,487,140	2,353,059.2	\$180,376.81	\$199,504.31
30.4	819	3,470,823	24,897.6	20,512,038	2,328,161.6	\$187,583.56	\$207,463.18
30.5	783	3,471,606	23,881.5	20,535,919	2,304,280.1	\$179,897.73	\$198,951.30
30.6	782	3,472,388	23,929.2	20,559,848	2,280,350.9	\$180,226.87	\$199,303.80
30.7	790	3,473,178	24,253.0	20,584,101	2,256,097.9	\$182,635.23	\$201,955.52
30.8	751	3,473,929	23,130.8	20,607,232	2,232,967.1	\$174,155.79	\$192,568.12
30.9	782	3,474,711	24,163.8	20,631,396	2,208,803.3	\$181,903.53	\$201,123.60
31	735	3,475,446	22,785.0	20,654,181	2,186,018.3	\$171,496.01	\$189,605.75
31.1	702	3,476,148	21,832.2	20,676,013	2,164,186.1	\$164,297.90	\$181,637.38
31.2	722	3,476,870	22,526.4	20,698,540	2,141,659.7	\$169,494.76	\$187,372.28
31.3	714	3,477,584	22,348.2	20,720,888	2,119,311.5	\$168,126.99	\$185,849.99
31.4	720	3,478,304	22,608.0	20,743,496	2,096,703.5	\$170,054.40	\$187,970.26
31.5	683	3,478,987	21,514.5	20,765,010	2,075,189.0	\$161,803.62	\$178,840.48
31.6	610	3,479,597	19,276.0	20,784,286	2,055,913.0	\$144,945.78	\$160,198.93
31.7	627	3,480,224	19,875.9	20,804,162	2,036,037.1	\$149,433.37	\$165,149.86
31.8	607	3,480,831	19,302.6	20,823,465	2,016,734.5	\$145,100.57	\$160,352.77
31.9	651	3,481,482	20,766.9	20,844,232	1,995,967.6	\$156,083.83	\$172,481.34
32	604	3,482,086	19,328.0	20,863,560	1,976,639.6	\$145,246.78	\$160,497.30
32.1	590	3,482,676	18,939.0	20,882,499	1,957,700.6	\$142,301.80	\$157,234.82
32.2	601	3,483,277	19,352.2	20,901,851	1,938,348.4	\$145,384.41	\$160,632.52
32.3	606	3,483,883	19,573.8	20,921,425	1,918,774.6	\$147,027.04	\$162,438.97
32.4	608	3,484,491	19,699.2	20,941,124	1,899,075.4	\$147,946.80	\$163,446.69
32.5	630	3,485,121	20,475.0	20,961,599	1,878,600.4	\$153,750.40	\$169,849.58
32.6	568	3,485,689	18,516.8	20,980,116	1,860,083.6	\$139,025.35	\$153,574.82
32.7	575	3,486,264	18,802.5	20,998,918	1,841,281.1	\$141,149.64	\$155,913.49
32.8	526	3,486,790	17,252.8	21,016,171	1,824,028.3	\$129,497.16	\$143,034.97
32.9	529	3,487,319	17,404.1	21,033,575	1,806,624.2	\$130,613.81	\$144,261.10
33	517	3,487,836	17,061.0	21,050,636	1,789,563.2	\$128,020.42	\$141,389.68
33.1	514	3,488,350	17,013.4	21,067,650	1,772,549.8	\$127,644.90	\$140,967.94
33.2	564	3,488,914	18,724.8	21,086,374	1,753,825.0	\$140,464.81	\$155,118.27
33.3	520	3,489,434	17,316.0	21,103,690	1,736,509.0	\$129,878.20	\$143,420.21
33.4	511	3,489,945	17,067.4	21,120,758	1,719,441.6	\$127,995.52	\$141,334.32
33.5	529	3,490,474	17,721.5	21,138,479	1,701,720.1	\$132,882.23	\$146,723.18
33.6	484	3,490,958	16,262.4	21,154,742	1,685,457.7	\$121,924.36	\$134,617.44
33.7	560	3,491,518	18,872.0	21,173,614	1,666,585.7	\$141,469.74	\$156,190.10
33.8	458	3,491,976	15,480.4	21,189,094	1,651,105.3	\$116,029.36	\$128,096.46
33.9	489	3,492,465	16,577.1	21,205,671	1,634,528.2	\$124,232.36	\$137,146.06
34	474	3,492,939	16,116.0	21,221,787	1,618,412.2	\$120,760.32	\$133,306.81
34.1	477	3,493,416	16,265.7	21,238,053	1,602,146.5	\$121,865.53	\$134,520.53
34.2	493	3,493,909	16,860.6	21,254,913	1,585,285.9	\$126,305.60	\$139,415.17
34.3	473	3,494,382	16,223.9	21,271,137	1,569,062.0	\$121,519.69	\$134,126.29
34.4	423	3,494,805	14,551.2	21,285,689	1,554,510.8	\$108,976.37	\$120,276.16
34.5	439	3,495,244	15,145.5	21,300,834	1,539,365.3	\$113,412.16	\$125,166.14
34.6	377	3,495,621	13,044.2	21,313,878	1,526,321.1	\$97,664.39	\$107,781.36
34.7	422	3,496,043	14,643.4	21,328,522	1,511,677.7	\$109,623.54	\$120,973.85
34.8	425	3,496,468	14,790.0	21,343,312	1,496,887.7	\$110,706.60	\$122,163.53
34.9	416	3,496,884	14,518.4	21,357,830	1,482,369.3	\$108,659.54	\$119,899.23

## RATE SCHEDULE R (Residential)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
35	412	3,497,296	14,420.0	21,372,250	1,467,949.3	\$107,909.19	\$119,065.94
35.1	402	3,497,698	14,110.2	21,386,360	1,453,839.1	\$105,577.34	\$116,487.82
35.2	375	3,498,073	13,200.0	21,399,560	1,440,639.1	\$98,754.33	\$108,954.90
35.3	386	3,498,459	13,625.8	21,413,186	1,427,013.3	\$101,926.99	\$112,450.33
35.4	387	3,498,846	13,699.8	21,426,886	1,413,313.5	\$102,467.64	\$113,041.85
35.5	365	3,499,211	12,957.5	21,439,843	1,400,356.0	\$96,903.47	\$106,898.83
35.6	372	3,499,583	13,243.2	21,453,087	1,387,112.8	\$99,027.75	\$109,237.50
35.7	378	3,499,961	13,494.6	21,466,581	1,373,618.2	\$100,895.13	\$111,292.61
35.8	384	3,500,345	13,747.2	21,480,328	1,359,871.0	\$102,771.08	\$113,357.03
35.9	345	3,500,690	12,385.5	21,492,714	1,347,485.5	\$92,579.96	\$102,111.82
36	364	3,501,054	13,104.0	21,505,818	1,334,381.5	\$97,938.71	\$108,017.73
36.1	378	3,501,432	13,645.8	21,519,464	1,320,735.7	\$101,975.74	\$112,465.47
36.2	346	3,501,778	12,525.2	21,531,989	1,308,210.5	\$93,590.16	\$103,212.98
36.3	337	3,502,115	12,233.1	21,544,222	1,295,977.4	\$91,396.58	\$100,789.66
36.4	337	3,502,452	12,266.8	21,556,489	1,283,710.6	\$91,637.43	\$101,051.07
36.5	362	3,502,814	13,213.0	21,569,702	1,270,497.6	\$98,694.18	\$108,828.24
36.6	337	3,503,151	12,334.2	21,582,036	1,258,163.4	\$92,119.13	\$101,573.89
36.7	338	3,503,489	12,404.6	21,594,441	1,245,758.8	\$92,634.05	\$102,137.48
36.8	333	3,503,822	12,254.4	21,606,695	1,233,504.4	\$91,501.71	\$100,884.88
36.9	285	3,504,107	10,516.5	21,617,211	1,222,987.9	\$78,515.96	\$86,563.99
37	309	3,504,416	11,433.0	21,628,644	1,211,554.9	\$85,348.67	\$94,093.28
37.1	338	3,504,754	12,539.8	21,641,184	1,199,015.1	\$93,600.31	\$103,186.23
37.2	364	3,505,118	13,540.8	21,654,725	1,185,474.3	\$101,060.48	\$111,405.99
37.3	303	3,505,421	11,301.9	21,666,027	1,174,172.4	\$84,341.07	\$92,971.34
37.4	274	3,505,695	10,247.6	21,676,275	1,163,924.8	\$76,464.65	\$84,285.63
37.5	298	3,505,993	11,175.0	21,687,450	1,152,749.8	\$83,375.26	\$91,899.48
37.6	287	3,506,280	10,791.2	21,698,241	1,141,958.6	\$80,502.77	\$88,729.84
37.7	282	3,506,562	10,631.4	21,708,872	1,131,327.2	\$79,301.82	\$87,402.77
37.8	317	3,506,879	11,982.6	21,720,855	1,119,344.6	\$89,370.80	\$98,496.53
37.9	263	3,507,142	9,967.7	21,730,822	1,109,376.9	\$74,334.72	\$81,921.95
38	297	3,507,439	11,286.0	21,742,108	1,098,090.9	\$84,156.79	\$92,743.00
38.1	254	3,507,693	9,677.4	21,751,786	1,088,413.5	\$72,154.01	\$79,512.59
38.2	274	3,507,967	10,466.8	21,762,253	1,077,946.7	\$78,031.25	\$85,985.97
38.3	274	3,508,241	10,494.2	21,772,747	1,067,452.5	\$78,227.07	\$86,198.51
38.4	253	3,508,494	9,715.2	21,782,462	1,057,737.3	\$72,412.38	\$79,788.31
38.5	243	3,508,737	9,355.5	21,791,818	1,048,381.8	\$69,723.90	\$76,823.11
38.6	276	3,509,013	10,653.6	21,802,471	1,037,728.2	\$79,389.84	\$87,469.98
38.7	274	3,509,287	10,603.8	21,813,075	1,027,124.4	\$79,010.37	\$87,048.68
38.8	235	3,509,522	9,118.0	21,822,193	1,018,006.4	\$67,932.32	\$74,840.83
38.9	206	3,509,728	8,013.4	21,830,206	1,009,993.0	\$59,696.41	\$65,764.94
39	260	3,509,988	10,140.0	21,840,346	999,853.0	\$75,530.81	\$83,205.98
39.1	227	3,510,215	8,875.7	21,849,222	990,977.3	\$66,106.44	\$72,821.30
39.2	224	3,510,439	8,780.8	21,858,003	982,196.5	\$65,392.88	\$72,032.67
39.3	242	3,510,681	9,510.6	21,867,513	972,685.9	\$70,820.62	\$78,008.72
39.4	222	3,510,903	8,746.8	21,876,260	963,939.1	\$65,126.33	\$71,733.93
39.5	226	3,511,129	8,927.0	21,885,187	955,012.1	\$66,461.30	\$73,201.74
39.6	253	3,511,382	10,018.8	21,895,206	944,993.3	\$74,582.18	\$82,143.33
39.7	228	3,511,610	9,051.6	21,904,258	935,941.7	\$67,375.35	\$74,203.26
39.8	192	3,511,802	7,641.6	21,911,899	928,300.1	\$56,874.36	\$62,635.89
39.9	206	3,512,008	8,219.4	21,920,119	920,080.7	\$61,168.67	\$67,362.89

## RATE SCHEDULE R (Residential)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
40	219	3,512,227	8,760.0	21,928,879	911,320.7	\$65,185.35	\$71,783.82
40.1	180	3,512,407	7,218.0	21,936,097	904,102.7	\$53,705.64	\$59,140.03
40.2	201	3,512,608	8,080.2	21,944,177	896,022.5	\$60,114.96	\$66,195.61
40.3	183	3,512,791	7,374.9	21,951,552	888,647.6	\$54,862.31	\$60,409.60
40.4	197	3,512,988	7,958.8	21,959,511	880,688.8	\$59,200.23	\$65,183.91
40.5	169	3,513,157	6,844.5	21,966,355	873,844.3	\$50,906.76	\$56,050.29
40.6	197	3,513,354	7,998.2	21,974,353	865,846.1	\$59,481.81	\$65,489.54
40.7	212	3,513,566	8,628.4	21,982,982	857,217.7	\$64,162.40	\$70,640.50
40.8	172	3,513,738	7,017.6	21,989,999	850,200.1	\$52,179.21	\$57,445.52
40.9	183	3,513,921	7,484.7	21,997,484	842,715.4	\$55,647.04	\$61,261.32
41	188	3,514,109	7,708.0	22,005,192	835,007.4	\$57,301.82	\$63,080.96
41.1	165	3,514,274	6,781.5	22,011,973	828,225.9	\$50,409.41	\$55,491.60
41.2	170	3,514,444	7,004.0	22,018,977	821,221.9	\$52,058.47	\$57,305.03
41.3	188	3,514,632	7,764.4	22,026,742	813,457.5	\$57,704.90	\$63,518.45
41.4	152	3,514,784	6,292.8	22,033,035	807,164.7	\$46,763.66	\$51,473.25
41.5	190	3,514,974	7,885.0	22,040,920	799,279.7	\$58,590.37	\$64,488.95
41.6	172	3,515,146	7,155.2	22,048,075	792,124.5	\$53,162.63	\$58,512.89
41.7	172	3,515,318	7,172.4	22,055,247	784,952.1	\$53,285.55	\$58,646.31
41.8	164	3,515,482	6,855.2	22,062,102	778,096.9	\$50,924.36	\$56,045.79
41.9	160	3,515,642	6,704.0	22,068,806	771,392.9	\$49,796.66	\$54,802.93
42	158	3,515,800	6,636.0	22,075,442	764,756.9	\$49,287.12	\$54,240.45
42.1	180	3,515,980	7,578.0	22,083,020	757,178.9	\$56,278.53	\$61,932.55
42.2	178	3,516,158	7,511.6	22,090,532	749,667.3	\$55,780.43	\$61,382.48
42.3	136	3,516,294	5,752.8	22,096,285	743,914.5	\$42,715.95	\$47,004.47
42.4	157	3,516,451	6,656.8	22,102,942	737,257.7	\$49,424.00	\$54,384.30
42.5	153	3,516,604	6,502.5	22,109,444	730,755.2	\$48,274.14	\$53,117.39
42.6	132	3,516,736	5,623.2	22,115,067	725,132.0	\$41,742.62	\$45,929.16
42.7	167	3,516,903	7,130.9	22,122,198	718,001.1	\$52,930.09	\$58,236.89
42.8	157	3,517,060	6,719.6	22,128,918	711,281.5	\$49,872.83	\$54,871.44
42.9	152	3,517,212	6,520.8	22,135,439	704,760.7	\$48,393.15	\$53,241.85
43	142	3,517,354	6,106.0	22,141,545	698,654.7	\$45,310.88	\$49,849.24
43.1	115	3,517,469	4,956.5	22,146,501	693,698.2	\$36,777.62	\$40,460.07
43.2	138	3,517,607	5,961.6	22,152,463	687,736.6	\$44,231.77	\$48,659.13
43.3	119	3,517,726	5,152.7	22,157,615	682,583.9	\$38,226.94	\$42,051.99
43.4	144	3,517,870	6,249.6	22,163,865	676,334.3	\$46,360.72	\$50,998.15
43.5	136	3,518,006	5,916.0	22,169,781	670,418.3	\$43,882.32	\$48,270.41
43.6	123	3,518,129	5,362.8	22,175,144	665,055.5	\$39,775.60	\$43,751.74
43.7	142	3,518,271	6,205.4	22,181,349	658,850.1	\$46,021.28	\$50,620.29
43.8	130	3,518,401	5,694.0	22,187,043	653,156.1	\$42,225.07	\$46,443.36
43.9	135	3,518,536	5,926.5	22,192,970	647,229.6	\$43,945.59	\$48,334.36
44	123	3,518,659	5,412.0	22,198,382	641,817.6	\$40,127.22	\$44,133.38
44.1	125	3,518,784	5,512.5	22,203,894	636,305.1	\$40,869.04	\$44,947.96
44.2	119	3,518,903	5,259.8	22,209,154	631,045.3	\$38,992.37	\$42,882.77
44.3	114	3,519,017	5,050.2	22,214,204	625,995.1	\$37,435.51	\$41,169.40
44.4	138	3,519,155	6,127.2	22,220,331	619,867.9	\$45,415.30	\$49,943.69
44.5	141	3,519,296	6,274.5	22,226,606	613,593.4	\$46,503.36	\$51,138.80
44.6	135	3,519,431	6,021.0	22,232,627	607,572.4	\$44,620.97	\$49,067.40
44.7	121	3,519,552	5,408.7	22,238,036	602,163.7	\$40,080.09	\$44,072.79
44.8	107	3,519,659	4,793.6	22,242,829	597,370.1	\$35,519.20	\$39,056.46
44.9	107	3,519,766	4,804.3	22,247,634	592,565.8	\$35,595.67	\$39,139.46

## RATE SCHEDULE R (Residential)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
45	102	3,519,868	4,590.0	22,252,224	587,975.8	\$34,005.22	\$37,389.63
45.1	114	3,519,982	5,141.4	22,257,365	582,834.4	\$38,087.31	\$41,876.84
45.2	115	3,520,097	5,198.0	22,262,563	577,636.4	\$38,503.60	\$42,333.39
45.3	101	3,520,198	4,575.3	22,267,138	573,061.1	\$33,888.39	\$37,258.10
45.4	109	3,520,307	4,948.6	22,272,087	568,112.5	\$36,650.52	\$40,293.79
45.5	95	3,520,402	4,322.5	22,276,409	563,790.0	\$32,011.01	\$35,192.13
45.6	109	3,520,511	4,970.4	22,281,380	558,819.6	\$36,806.32	\$40,462.89
45.7	86	3,520,597	3,930.2	22,285,310	554,889.4	\$29,101.31	\$31,991.56
45.8	97	3,520,694	4,442.6	22,289,753	550,446.8	\$32,892.90	\$36,158.75
45.9	90	3,520,784	4,131.0	22,293,884	546,315.8	\$30,583.50	\$33,619.17
46	83	3,520,867	3,818.0	22,297,702	542,497.8	\$28,264.11	\$31,068.73
46.1	96	3,520,963	4,425.6	22,302,127	538,072.2	\$32,759.62	\$36,009.38
46.2	112	3,521,075	5,174.4	22,307,302	532,897.8	\$38,299.61	\$42,097.82
46.3	93	3,521,168	4,305.9	22,311,607	528,591.9	\$31,868.82	\$35,028.37
46.4	83	3,521,251	3,851.2	22,315,459	524,740.7	\$28,501.38	\$31,326.26
46.5	94	3,521,345	4,371.0	22,319,830	520,369.7	\$32,345.86	\$35,550.85
46.6	80	3,521,425	3,728.0	22,323,558	516,641.7	\$27,585.56	\$30,318.10
46.7	94	3,521,519	4,389.8	22,327,947	512,251.9	\$32,480.22	\$35,696.68
46.8	87	3,521,606	4,071.6	22,332,019	508,180.3	\$30,123.66	\$33,105.90
46.9	96	3,521,702	4,502.4	22,336,521	503,677.9	\$33,308.51	\$36,605.12
47	90	3,521,792	4,230.0	22,340,751	499,447.9	\$31,291.05	\$34,387.11
47.1	84	3,521,876	3,956.4	22,344,708	495,491.5	\$29,265.01	\$32,159.79
47.2	76	3,521,952	3,587.2	22,348,295	491,904.3	\$26,532.18	\$29,155.91
47.3	86	3,522,038	4,067.8	22,352,363	487,836.5	\$30,084.72	\$33,058.92
47.4	90	3,522,128	4,266.0	22,356,629	483,570.5	\$31,548.34	\$34,666.36
47.5	83	3,522,211	3,942.5	22,360,571	479,628.0	\$29,153.90	\$32,034.47
47.6	75	3,522,286	3,570.0	22,364,141	476,058.0	\$26,397.48	\$29,004.99
47.7	68	3,522,354	3,243.6	22,367,385	472,814.4	\$23,982.32	\$26,350.61
47.8	80	3,522,434	3,824.0	22,371,209	468,990.4	\$28,271.67	\$31,062.77
47.9	67	3,522,501	3,209.3	22,374,418	465,781.1	\$23,725.40	\$26,067.04
48	65	3,522,566	3,120.0	22,377,538	462,661.1	\$23,063.64	\$25,339.34
48.1	63	3,522,629	3,030.3	22,380,569	459,630.8	\$22,399.01	\$24,608.54
48.2	79	3,522,708	3,807.8	22,384,376	455,823.0	\$28,144.11	\$30,919.60
48.3	61	3,522,769	2,946.3	22,387,323	452,876.7	\$21,775.13	\$23,921.95
48.4	77	3,522,846	3,726.8	22,391,049	449,149.9	\$27,541.66	\$30,256.29
48.5	88	3,522,934	4,268.0	22,395,317	444,881.9	\$31,539.08	\$34,646.88
48.6	77	3,523,011	3,742.2	22,399,060	441,139.7	\$27,651.73	\$30,375.75
48.7	65	3,523,076	3,165.5	22,402,225	437,974.2	\$23,388.82	\$25,692.28
48.8	58	3,523,134	2,830.4	22,405,056	435,143.8	\$20,911.48	\$22,970.41
48.9	60	3,523,194	2,934.0	22,407,990	432,209.8	\$21,675.44	\$23,809.04
49	62	3,523,256	3,038.0	22,411,028	429,171.8	\$22,442.27	\$24,650.77
49.1	69	3,523,325	3,387.9	22,414,415	425,783.9	\$25,025.39	\$27,487.44
49.2	51	3,523,376	2,509.2	22,416,925	423,274.7	\$18,533.48	\$20,356.36
49.3	69	3,523,445	3,401.7	22,420,326	419,873.0	\$25,124.02	\$27,594.49
49.4	61	3,523,506	3,013.4	22,423,340	416,859.6	\$22,254.68	\$24,442.44
49.5	72	3,523,578	3,564.0	22,426,904	413,295.6	\$26,319.28	\$28,905.95
49.6	71	3,523,649	3,521.6	22,430,425	409,774.0	\$26,004.48	\$28,559.55
49.7	53	3,523,702	2,634.1	22,433,059	407,139.9	\$19,449.67	\$21,360.21
49.8	62	3,523,764	3,087.6	22,436,147	404,052.3	\$22,796.76	\$25,035.51
49.9	53	3,523,817	2,644.7	22,438,792	401,407.6	\$19,525.43	\$21,442.44

## RATE SCHEDULE R (Residential)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
50	61	3,523,878	3,050.0	22,441,842	398,357.6	\$22,516.26	\$24,726.35
50.1	64	3,523,942	3,206.4	22,445,048	395,151.2	\$23,669.36	\$25,992.04
50.2	55	3,523,997	2,761.0	22,447,809	392,390.2	\$20,380.16	\$22,379.58
50.3	62	3,524,059	3,118.6	22,450,928	389,271.6	\$23,018.31	\$25,275.98
50.4	63	3,524,122	3,175.2	22,454,103	386,096.4	\$23,434.60	\$25,732.53
50.5	62	3,524,184	3,131.0	22,457,234	382,965.4	\$23,106.93	\$25,372.17
50.6	50	3,524,234	2,530.0	22,459,764	380,435.4	\$18,670.36	\$20,500.21
50.7	51	3,524,285	2,585.7	22,462,350	377,849.7	\$19,080.21	\$20,949.77
50.8	44	3,524,329	2,235.2	22,464,585	375,614.5	\$16,492.81	\$18,108.45
50.9	62	3,524,391	3,155.8	22,467,741	372,458.7	\$23,284.18	\$25,564.54
51	61	3,524,452	3,111.0	22,470,852	369,347.7	\$22,952.22	\$25,199.53
51.1	53	3,524,505	2,708.3	22,473,560	366,639.4	\$19,979.97	\$21,935.78
51.2	52	3,524,557	2,662.4	22,476,222	363,977.0	\$19,640.15	\$21,562.24
51.3	42	3,524,599	2,154.6	22,478,377	361,822.4	\$15,893.22	\$17,448.23
51.4	46	3,524,645	2,364.4	22,480,741	359,458.0	\$17,439.73	\$19,145.65
51.5	49	3,524,694	2,523.5	22,483,265	356,934.5	\$18,612.13	\$20,432.29
51.6	50	3,524,744	2,580.0	22,485,845	354,354.5	\$19,027.70	\$20,888.06
51.7	49	3,524,793	2,533.3	22,488,378	351,821.2	\$18,682.17	\$20,508.31
51.8	52	3,524,845	2,693.6	22,491,072	349,127.6	\$19,863.14	\$21,804.26
51.9	48	3,524,893	2,491.2	22,493,563	346,636.4	\$18,369.51	\$20,164.24
52	43	3,524,936	2,236.0	22,495,799	344,400.4	\$16,486.75	\$18,097.15
52.1	34	3,524,970	1,771.4	22,497,570	342,629.0	\$13,060.33	\$14,335.75
52.2	48	3,525,018	2,505.6	22,500,076	340,123.4	\$18,472.42	\$20,275.94
52.3	55	3,525,073	2,876.5	22,502,952	337,246.9	\$21,205.63	\$23,275.51
52.4	46	3,525,119	2,410.4	22,505,363	334,836.5	\$17,768.49	\$19,502.47
52.5	42	3,525,161	2,205.0	22,507,568	332,631.5	\$16,253.42	\$17,839.19
52.6	34	3,525,195	1,788.4	22,509,356	330,843.1	\$13,181.83	\$14,467.62
52.7	51	3,525,246	2,687.7	22,512,044	328,155.4	\$19,809.20	\$21,740.99
52.8	45	3,525,291	2,376.0	22,514,420	325,779.4	\$17,510.86	\$19,218.13
52.9	44	3,525,335	2,327.6	22,516,748	323,451.8	\$17,153.18	\$18,825.19
53	43	3,525,378	2,279.0	22,519,027	321,172.8	\$16,794.07	\$18,430.70
53.1	43	3,525,421	2,283.3	22,521,310	318,889.5	\$16,824.80	\$18,464.06
53.2	49	3,525,470	2,606.8	22,523,917	316,282.7	\$19,207.46	\$21,078.45
53.3	32	3,525,502	1,705.6	22,525,622	314,577.1	\$12,566.52	\$13,790.34
53.4	33	3,525,535	1,762.2	22,527,384	312,814.9	\$12,982.81	\$14,246.89
53.5	45	3,525,580	2,407.5	22,529,792	310,407.4	\$17,735.99	\$19,462.48
53.6	41	3,525,621	2,197.6	22,531,990	308,209.8	\$16,188.76	\$17,764.28
53.7	35	3,525,656	1,879.5	22,533,869	306,330.3	\$13,844.69	\$15,191.78
53.8	36	3,525,692	1,936.8	22,535,806	304,393.5	\$14,265.98	\$15,653.76
53.9	36	3,525,728	1,940.4	22,537,746	302,453.1	\$14,291.71	\$15,681.68
54	46	3,525,774	2,484.0	22,540,230	299,969.1	\$18,294.50	\$20,073.39
54.1	29	3,525,803	1,568.9	22,541,799	298,400.2	\$11,554.22	\$12,677.46
54.2	26	3,525,829	1,409.2	22,543,208	296,991.0	\$10,377.54	\$11,386.16
54.3	35	3,525,864	1,900.5	22,545,109	295,090.5	\$13,994.77	\$15,354.68
54.4	37	3,525,901	2,012.8	22,547,122	293,077.7	\$14,820.92	\$16,260.79
54.5	26	3,525,927	1,417.0	22,548,539	291,660.7	\$10,433.28	\$11,446.67
54.6	37	3,525,964	2,020.2	22,550,559	289,640.5	\$14,873.81	\$16,318.19
54.7	37	3,526,001	2,023.9	22,552,583	287,616.6	\$14,900.25	\$16,346.89
54.8	30	3,526,031	1,644.0	22,554,227	285,972.6	\$12,102.72	\$13,277.51
54.9	28	3,526,059	1,537.2	22,555,764	284,435.4	\$11,315.89	\$12,414.06

**RATE SCHEDULE R (Residential)**

**Bill Frequency Analysis (2014-2015 MCFs)**

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
55	36	3,526,095	1,980.0	22,557,744	282,455.4	\$14,574.73	\$15,988.86
55.1	40	3,526,135	2,204.0	22,559,948	280,251.4	\$16,222.73	\$17,796.43
55.2	32	3,526,167	1,766.4	22,561,714	278,485.0	\$13,001.05	\$14,261.96
55.3	40	3,526,207	2,212.0	22,563,926	276,273.0	\$16,279.90	\$17,858.48
55.4	38	3,526,245	2,105.2	22,566,032	274,167.8	\$15,493.07	\$16,995.04
55.5	24	3,526,269	1,332.0	22,567,364	272,835.8	\$9,802.25	\$10,752.32
55.6	37	3,526,306	2,057.2	22,569,421	270,778.6	\$15,138.24	\$16,605.20
55.7	29	3,526,335	1,615.3	22,571,036	269,163.3	\$11,885.83	\$13,037.38
55.8	33	3,526,368	1,841.4	22,572,877	267,321.9	\$13,548.84	\$14,861.24
55.9	31	3,526,399	1,732.9	22,574,610	265,589.0	\$12,749.86	\$13,984.61
56	29	3,526,428	1,624.0	22,576,234	263,965.0	\$11,948.01	\$13,104.87
56.1	24	3,526,452	1,346.4	22,577,581	262,618.6	\$9,905.16	\$10,864.02
56.2	25	3,526,477	1,405.0	22,578,986	261,213.6	\$10,335.74	\$11,336.09
56.3	31	3,526,508	1,745.3	22,580,731	259,468.3	\$12,838.48	\$14,080.79
56.4	28	3,526,536	1,579.2	22,582,310	257,889.1	\$11,616.06	\$12,739.85
56.5	34	3,526,570	1,921.0	22,584,231	255,968.1	\$14,129.51	\$15,496.20
56.6	21	3,526,591	1,188.6	22,585,420	254,779.5	\$8,742.06	\$9,587.47
56.7	22	3,526,613	1,247.4	22,586,667	253,532.1	\$9,174.07	\$10,061.08
56.8	26	3,526,639	1,476.8	22,588,144	252,055.3	\$10,860.67	\$11,910.54
56.9	32	3,526,671	1,820.8	22,589,965	250,234.5	\$13,389.84	\$14,683.95
57	25	3,526,696	1,425.0	22,591,390	248,809.5	\$10,478.68	\$11,491.23
57.1	31	3,526,727	1,770.1	22,593,160	247,039.4	\$13,015.72	\$14,273.17
57.2	28	3,526,755	1,601.6	22,594,762	245,437.8	\$11,776.15	\$12,913.61
57.3	28	3,526,783	1,604.4	22,596,366	243,833.4	\$11,796.16	\$12,935.33
57.4	23	3,526,806	1,320.2	22,597,686	242,513.2	\$9,706.14	\$10,643.29
57.5	23	3,526,829	1,322.5	22,599,009	241,190.7	\$9,722.58	\$10,661.13
57.6	32	3,526,861	1,843.2	22,600,852	239,347.5	\$13,549.93	\$14,857.70
57.7	29	3,526,890	1,673.3	22,602,525	237,674.2	\$12,300.35	\$13,487.29
57.8	19	3,526,909	1,098.2	22,603,623	236,576.0	\$8,072.43	\$8,851.24
57.9	24	3,526,933	1,389.6	22,605,013	235,186.4	\$10,213.91	\$11,199.13
58	27	3,526,960	1,566.0	22,606,579	233,620.4	\$11,509.94	\$12,619.96
58.1	24	3,526,984	1,394.4	22,607,973	232,226.0	\$10,248.21	\$11,236.36
58.2	29	3,527,013	1,687.8	22,609,661	230,538.2	\$12,403.98	\$13,599.76
58.3	29	3,527,042	1,690.7	22,611,352	228,847.5	\$12,424.71	\$13,622.26
58.4	27	3,527,069	1,576.8	22,612,929	227,270.7	\$11,587.13	\$12,703.74
58.5	21	3,527,090	1,228.5	22,614,157	226,042.2	\$9,027.22	\$9,896.97
58.6	23	3,527,113	1,347.8	22,615,505	224,694.4	\$9,903.39	\$10,857.38
58.7	24	3,527,137	1,408.8	22,616,914	223,285.6	\$10,351.13	\$11,348.06
58.8	22	3,527,159	1,293.6	22,618,207	221,992.0	\$9,504.26	\$10,419.46
58.9	25	3,527,184	1,472.5	22,619,680	220,519.5	\$10,818.16	\$11,859.68
59	34	3,527,218	2,006.0	22,621,686	218,513.5	\$14,737.00	\$16,155.54
59.1	22	3,527,240	1,300.2	22,622,986	217,213.3	\$9,551.43	\$10,470.65
59.2	19	3,527,259	1,124.8	22,624,111	216,088.5	\$8,262.54	\$9,057.57
59.3	20	3,527,279	1,186.0	22,625,297	214,902.5	\$8,711.70	\$9,549.80
59.4	14	3,527,293	831.6	22,626,128	214,070.9	\$6,108.20	\$6,695.72
59.5	27	3,527,320	1,606.5	22,627,735	212,464.4	\$11,799.39	\$12,934.12
59.6	17	3,527,337	1,013.2	22,628,748	211,451.2	\$7,441.40	\$8,156.89
59.7	20	3,527,357	1,194.0	22,629,942	210,257.2	\$8,768.88	\$9,611.86
59.8	16	3,527,373	956.8	22,630,899	209,300.4	\$7,026.54	\$7,701.90
59.9	24	3,527,397	1,437.6	22,632,337	207,862.8	\$10,556.96	\$11,571.46

## RATE SCHEDULE R (Residential)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
60	19	3,527,416	1,140.0	22,633,477	206,722.8	\$8,371.17	\$9,175.48
60.1	26	3,527,442	1,562.6	22,635,039	205,160.2	\$11,473.87	\$12,576.09
60.2	23	3,527,465	1,384.6	22,636,424	203,775.6	\$10,166.40	\$11,142.84
60.3	21	3,527,486	1,266.3	22,637,690	202,509.3	\$9,297.37	\$10,190.19
60.4	26	3,527,512	1,570.4	22,639,260	200,938.9	\$11,529.62	\$12,636.59
60.5	25	3,527,537	1,512.5	22,640,773	199,426.4	\$11,104.04	\$12,169.96
60.6	26	3,527,563	1,575.6	22,642,349	197,850.8	\$11,566.78	\$12,676.93
60.7	13	3,527,576	789.1	22,643,138	197,061.7	\$5,792.68	\$6,348.55
60.8	15	3,527,591	912.0	22,644,050	196,149.7	\$6,694.58	\$7,336.88
60.9	22	3,527,613	1,339.8	22,645,389	194,809.9	\$9,834.44	\$10,777.83
61	21	3,527,634	1,281.0	22,646,670	193,528.9	\$9,402.43	\$10,304.22
61.1	20	3,527,654	1,222.0	22,647,892	192,306.9	\$8,968.99	\$9,829.05
61.2	20	3,527,674	1,224.0	22,649,116	191,082.9	\$8,983.29	\$9,844.57
61.3	15	3,527,689	919.5	22,650,036	190,163.4	\$6,748.18	\$7,395.06
61.4	10	3,527,699	614.0	22,650,650	189,549.4	\$4,505.94	\$4,937.80
61.5	13	3,527,712	799.5	22,651,449	188,749.9	\$5,867.01	\$6,429.22
61.6	21	3,527,733	1,293.6	22,652,743	187,456.3	\$9,492.48	\$10,401.96
61.7	19	3,527,752	1,172.3	22,653,915	186,284.0	\$8,602.02	\$9,426.03
61.8	15	3,527,767	927.0	22,654,842	185,357.0	\$6,801.79	\$7,453.24
61.9	20	3,527,787	1,238.0	22,656,080	184,119.0	\$9,083.34	\$9,953.17
62	21	3,527,808	1,302.0	22,657,382	182,817.0	\$9,552.52	\$10,467.11
62.1	22	3,527,830	1,366.2	22,658,749	181,450.8	\$10,023.12	\$10,982.61
62.2	15	3,527,845	933.0	22,659,682	180,517.8	\$6,844.67	\$7,499.78
62.3	15	3,527,860	934.5	22,660,616	179,583.3	\$6,855.39	\$7,511.42
62.4	16	3,527,876	998.4	22,661,614	178,584.9	\$7,323.85	\$8,024.59
62.5	18	3,527,894	1,125.0	22,662,739	177,459.9	\$8,252.19	\$9,041.63
62.6	20	3,527,914	1,252.0	22,663,991	176,207.9	\$9,183.40	\$10,061.76
62.7	20	3,527,934	1,254.0	22,665,245	174,953.9	\$9,197.69	\$10,077.28
62.8	16	3,527,950	1,004.8	22,666,250	173,949.1	\$7,369.59	\$8,074.23
62.9	14	3,527,964	880.6	22,667,131	173,068.5	\$6,458.40	\$7,075.81
63	16	3,527,980	1,008.0	22,668,139	172,060.5	\$7,392.46	\$8,099.06
63.1	12	3,527,992	757.2	22,668,896	171,303.3	\$5,552.92	\$6,083.60
63.2	17	3,528,009	1,074.4	22,669,970	170,228.9	\$7,878.79	\$8,631.62
63.3	18	3,528,027	1,139.4	22,671,110	169,089.5	\$8,355.11	\$9,153.33
63.4	14	3,528,041	887.6	22,671,997	168,201.9	\$6,508.42	\$7,130.11
63.5	12	3,528,053	762.0	22,672,759	167,439.9	\$5,587.23	\$6,120.83
63.6	12	3,528,065	763.2	22,673,523	166,676.7	\$5,595.80	\$6,130.14
63.7	12	3,528,077	764.4	22,674,287	165,912.3	\$5,604.38	\$6,139.45
63.8	11	3,528,088	701.8	22,674,989	165,210.5	\$5,145.21	\$5,636.36
63.9	14	3,528,102	894.6	22,675,883	164,315.9	\$6,558.45	\$7,184.41
64	19	3,528,121	1,216.0	22,677,099	163,099.9	\$8,914.34	\$9,765.01
64.1	13	3,528,134	833.3	22,677,933	162,266.6	\$6,108.57	\$6,691.41
64.2	14	3,528,148	898.8	22,678,832	161,367.8	\$6,588.47	\$7,216.99
64.3	15	3,528,163	964.5	22,679,796	160,403.3	\$7,069.80	\$7,744.13
64.4	12	3,528,175	772.8	22,680,569	159,630.5	\$5,664.41	\$6,204.61
64.5	7	3,528,182	451.5	22,681,020	159,179.0	\$3,309.24	\$3,624.79
64.6	14	3,528,196	904.4	22,681,925	158,274.6	\$6,628.49	\$7,260.43
64.7	9	3,528,205	582.3	22,682,507	157,692.3	\$4,267.61	\$4,674.40
64.8	15	3,528,220	972.0	22,683,479	156,720.3	\$7,123.40	\$7,802.30
64.9	7	3,528,227	454.3	22,683,933	156,266.0	\$3,329.25	\$3,646.51

## RATE SCHEDULE R (Residential)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
65	15	3,528,242	975.0	22,684,908	155,291.0	\$7,144.84	\$7,825.58
65.1	12	3,528,254	781.2	22,685,690	154,509.8	\$5,724.45	\$6,269.77
65.2	13	3,528,267	847.6	22,686,537	153,662.2	\$6,210.77	\$6,802.33
65.3	12	3,528,279	783.6	22,687,321	152,878.6	\$5,741.60	\$6,288.39
65.4	10	3,528,289	654.0	22,687,975	152,224.6	\$4,791.81	\$5,248.08
65.5	12	3,528,301	786.0	22,688,761	151,438.6	\$5,758.75	\$6,307.00
65.6	18	3,528,319	1,180.8	22,689,942	150,257.8	\$8,650.99	\$9,474.47
65.7	13	3,528,332	854.1	22,690,796	149,403.7	\$6,257.23	\$6,852.75
65.8	14	3,528,346	921.2	22,691,717	148,482.5	\$6,748.56	\$7,390.75
65.9	14	3,528,360	922.6	22,692,639	147,559.9	\$6,758.57	\$7,401.61
66	12	3,528,372	792.0	22,693,431	146,767.9	\$5,801.63	\$6,353.54
66.1	7	3,528,379	462.7	22,693,894	146,305.2	\$3,389.29	\$3,711.66
66.2	12	3,528,391	794.4	22,694,689	145,510.8	\$5,818.79	\$6,372.16
66.3	15	3,528,406	994.5	22,695,683	144,516.3	\$7,284.20	\$7,976.84
66.4	7	3,528,413	464.8	22,696,148	144,051.5	\$3,404.30	\$3,727.95
66.5	10	3,528,423	665.0	22,696,813	143,386.5	\$4,870.43	\$5,333.41
66.6	15	3,528,438	999.0	22,697,812	142,387.5	\$7,316.36	\$8,011.74
66.7	12	3,528,450	800.4	22,698,612	141,587.1	\$5,861.67	\$6,418.70
66.8	8	3,528,458	534.4	22,699,147	141,052.7	\$3,913.50	\$4,285.34
66.9	8	3,528,466	535.2	22,699,682	140,517.5	\$3,919.21	\$4,291.55
67	10	3,528,476	670.0	22,700,352	139,847.5	\$4,906.16	\$5,372.19
67.1	7	3,528,483	469.7	22,700,822	139,377.8	\$3,439.32	\$3,765.96
67.2	8	3,528,491	537.6	22,701,359	138,840.2	\$3,936.37	\$4,310.16
67.3	7	3,528,498	471.1	22,701,830	138,369.1	\$3,449.32	\$3,776.82
67.4	10	3,528,508	674.0	22,702,504	137,695.1	\$4,934.75	\$5,403.22
67.5	11	3,528,519	742.5	22,703,247	136,952.6	\$5,436.09	\$5,952.07
67.6	8	3,528,527	540.8	22,703,788	136,411.8	\$3,959.24	\$4,334.99
67.7	10	3,528,537	677.0	22,704,465	135,734.8	\$4,956.19	\$5,426.49
67.8	13	3,528,550	881.4	22,705,346	134,853.4	\$6,452.34	\$7,064.52
67.9	12	3,528,562	814.8	22,706,161	134,038.6	\$5,964.58	\$6,530.40
68	12	3,528,574	816.0	22,706,977	133,222.6	\$5,973.16	\$6,539.71
68.1	8	3,528,582	544.8	22,707,522	132,677.8	\$3,987.82	\$4,366.01
68.2	9	3,528,591	613.8	22,708,135	132,064.0	\$4,492.73	\$4,918.75
68.3	10	3,528,601	683.0	22,708,818	131,381.0	\$4,999.07	\$5,473.03
68.4	10	3,528,611	684.0	22,709,502	130,697.0	\$5,006.22	\$5,480.79
68.5	14	3,528,625	959.0	22,710,461	129,738.0	\$7,018.71	\$7,683.96
68.6	13	3,528,638	891.8	22,711,353	128,846.2	\$6,526.67	\$7,145.19
68.7	11	3,528,649	755.7	22,712,109	128,090.5	\$5,530.43	\$6,054.46
68.8	12	3,528,661	825.6	22,712,934	127,264.9	\$6,041.77	\$6,614.18
68.9	8	3,528,669	551.2	22,713,486	126,713.7	\$4,033.56	\$4,415.66
69	12	3,528,681	828.0	22,714,314	125,885.7	\$6,058.92	\$6,632.80
69.1	12	3,528,693	829.2	22,715,143	125,056.5	\$6,067.50	\$6,642.10
69.2	4	3,528,697	276.8	22,715,420	124,779.7	\$2,025.36	\$2,217.14
69.3	10	3,528,707	693.0	22,716,113	124,086.7	\$5,070.54	\$5,550.60
69.4	6	3,528,713	416.4	22,716,529	123,670.3	\$3,046.61	\$3,335.01
69.5	15	3,528,728	1,042.5	22,717,572	122,627.8	\$7,627.25	\$8,349.17
69.6	7	3,528,735	487.2	22,718,059	122,140.6	\$3,564.39	\$3,901.71
69.7	10	3,528,745	697.0	22,718,756	121,443.6	\$5,099.13	\$5,581.63
69.8	8	3,528,753	558.4	22,719,314	120,885.2	\$4,085.02	\$4,471.51
69.9	10	3,528,763	699.0	22,720,013	120,186.2	\$5,113.42	\$5,597.14



**RATE SCHEDULE R (Residential)**

**Bill Frequency Analysis (2014-2015 MCFs)**

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
70	8	3,528,771	560.0	22,720,573	119,626.2	\$4,096.46	\$4,483.92
70.1	7	3,528,778	490.7	22,721,064	119,135.5	\$3,589.40	\$3,928.86
70.2	6	3,528,784	421.2	22,721,485	118,714.3	\$3,080.92	\$3,372.25
70.3	13	3,528,797	913.9	22,722,399	117,800.4	\$6,684.61	\$7,316.62
70.4	14	3,528,811	985.6	22,723,385	116,814.8	\$7,208.82	\$7,890.30
70.5	6	3,528,817	423.0	22,723,808	116,391.8	\$3,093.78	\$3,386.21
70.6	6	3,528,823	423.6	22,724,231	115,968.2	\$3,098.07	\$3,390.87
70.7	4	3,528,827	282.8	22,724,514	115,685.4	\$2,068.24	\$2,263.68
70.8	7	3,528,834	495.6	22,725,010	115,189.8	\$3,624.42	\$3,966.87
70.9	6	3,528,840	425.4	22,725,435	114,764.4	\$3,110.94	\$3,404.83
71	5	3,528,845	355.0	22,725,790	114,409.4	\$2,596.02	\$2,841.24
71.1	3	3,528,848	213.3	22,726,003	114,196.1	\$1,559.76	\$1,707.07
71.2	8	3,528,856	569.6	22,726,573	113,626.5	\$4,165.07	\$4,558.39
71.3	5	3,528,861	356.5	22,726,929	113,270.0	\$2,606.74	\$2,852.87
71.4	15	3,528,876	1,071.0	22,728,000	112,199.0	\$7,830.94	\$8,570.25
71.5	5	3,528,881	357.5	22,728,358	111,841.5	\$2,613.89	\$2,860.63
71.6	7	3,528,888	501.2	22,728,859	111,340.3	\$3,664.44	\$4,010.31
71.7	5	3,528,893	358.5	22,729,218	110,981.8	\$2,621.03	\$2,868.38
71.8	6	3,528,899	430.8	22,729,648	110,551.0	\$3,149.53	\$3,446.72
71.9	2	3,528,901	143.8	22,729,792	110,407.2	\$1,051.27	\$1,150.46
72	6	3,528,907	432.0	22,730,224	109,975.2	\$3,158.10	\$3,456.02
72.1	8	3,528,915	576.8	22,730,801	109,398.4	\$4,216.52	\$4,614.24
72.2	10	3,528,925	722.0	22,731,523	108,676.4	\$5,277.80	\$5,775.55
72.3	7	3,528,932	506.1	22,732,029	108,170.3	\$3,699.46	\$4,048.32
72.4	12	3,528,944	868.8	22,732,898	107,301.5	\$6,350.51	\$6,949.28
72.5	8	3,528,952	580.0	22,733,478	106,721.5	\$4,239.39	\$4,639.06
72.6	4	3,528,956	290.4	22,733,768	106,431.1	\$2,122.56	\$2,322.63
72.7	10	3,528,966	727.0	22,734,495	105,704.1	\$5,313.54	\$5,814.34
72.8	9	3,528,975	655.2	22,735,150	105,048.9	\$4,788.61	\$5,239.89
72.9	7	3,528,982	510.3	22,735,661	104,538.6	\$3,729.48	\$4,080.90
73	6	3,528,988	438.0	22,736,099	104,100.6	\$3,200.99	\$3,502.57
73.1	8	3,528,996	584.8	22,736,684	103,515.8	\$4,273.70	\$4,676.29
73.2	8	3,529,004	585.6	22,737,269	102,930.2	\$4,279.42	\$4,682.50
73.3	8	3,529,012	586.4	22,737,856	102,343.8	\$4,285.13	\$4,688.70
73.4	6	3,529,018	440.4	22,738,296	101,903.4	\$3,218.14	\$3,521.18
73.5	4	3,529,022	294.0	22,738,590	101,609.4	\$2,148.28	\$2,350.56
73.6	5	3,529,027	368.0	22,738,958	101,241.4	\$2,688.93	\$2,942.08
73.7	5	3,529,032	368.5	22,739,326	100,872.9	\$2,692.50	\$2,945.95
73.8	8	3,529,040	590.4	22,739,917	100,282.5	\$4,313.72	\$4,719.73
73.9	5	3,529,045	369.5	22,740,286	99,913.0	\$2,699.65	\$2,953.71
74	6	3,529,051	444.0	22,740,730	99,469.0	\$3,243.87	\$3,549.11
74.1	8	3,529,059	592.8	22,741,323	98,876.2	\$4,330.87	\$4,738.35
74.2	7	3,529,066	519.4	22,741,843	98,356.8	\$3,794.52	\$4,151.49
74.3	5	3,529,071	371.5	22,742,214	97,985.3	\$2,713.94	\$2,969.23
74.4	7	3,529,078	520.8	22,742,735	97,464.5	\$3,804.52	\$4,162.35
74.5	4	3,529,082	298.0	22,743,033	97,166.5	\$2,176.87	\$2,381.59
74.6	2	3,529,084	149.2	22,743,182	97,017.3	\$1,089.87	\$1,192.34
74.7	5	3,529,089	373.5	22,743,556	96,643.8	\$2,728.24	\$2,984.74
74.8	8	3,529,097	598.4	22,744,154	96,045.4	\$4,370.90	\$4,781.79
74.9	4	3,529,101	299.6	22,744,454	95,745.8	\$2,188.31	\$2,394.00

## RATE SCHEDULE R (Residential)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
75	4	3,529,105	300.0	22,744,754	95,445.8	\$2,191.17	\$2,397.10
75.1	2	3,529,107	150.2	22,744,904	95,295.6	\$1,097.01	\$1,200.10
75.2	3	3,529,110	225.6	22,745,129	95,070.0	\$1,647.66	\$1,802.48
75.3	9	3,529,119	677.7	22,745,807	94,392.3	\$4,949.42	\$5,414.42
75.4	2	3,529,121	150.8	22,745,958	94,241.5	\$1,101.30	\$1,204.76
75.5	9	3,529,130	679.5	22,746,637	93,562.0	\$4,962.28	\$5,428.38
75.6	9	3,529,139	680.4	22,747,318	92,881.6	\$4,968.72	\$5,435.36
75.7	7	3,529,146	529.9	22,747,848	92,351.7	\$3,869.56	\$4,232.93
75.8	4	3,529,150	303.2	22,748,151	92,048.5	\$2,214.04	\$2,421.92
75.9	1	3,529,151	75.9	22,748,227	91,972.6	\$554.22	\$606.26
76	11	3,529,162	836.0	22,749,063	91,136.6	\$6,104.32	\$6,677.35
76.1	4	3,529,166	304.4	22,749,367	90,832.2	\$2,222.61	\$2,431.23
76.2	1	3,529,167	76.2	22,749,443	90,756.0	\$556.37	\$608.58
76.3	12	3,529,179	915.6	22,750,359	89,840.4	\$6,684.99	\$7,312.31
76.4	2	3,529,181	152.8	22,750,512	89,687.6	\$1,115.59	\$1,220.27
76.5	2	3,529,183	153.0	22,750,665	89,534.6	\$1,117.02	\$1,221.82
76.6	2	3,529,185	153.2	22,750,818	89,381.4	\$1,118.45	\$1,223.37
76.7	4	3,529,189	306.8	22,751,125	89,074.6	\$2,239.76	\$2,449.85
76.8	5	3,529,194	384.0	22,751,509	88,690.6	\$2,803.28	\$3,066.19
76.9	2	3,529,196	153.8	22,751,663	88,536.8	\$1,122.74	\$1,228.03
77	2	3,529,198	154.0	22,751,817	88,382.8	\$1,124.17	\$1,229.58
77.1	3	3,529,201	231.3	22,752,048	88,151.5	\$1,688.40	\$1,846.69
77.2	2	3,529,203	154.4	22,752,202	87,997.1	\$1,127.03	\$1,232.68
77.3	6	3,529,209	463.8	22,752,666	87,533.3	\$3,385.38	\$3,702.70
77.4	3	3,529,212	232.2	22,752,898	87,301.1	\$1,694.83	\$1,853.68
77.5	7	3,529,219	542.5	22,753,441	86,758.6	\$3,959.61	\$4,330.67
77.6	5	3,529,224	388.0	22,753,829	86,370.6	\$2,831.87	\$3,097.22
77.7	1	3,529,225	77.7	22,753,906	86,292.9	\$567.09	\$620.22
77.8	4	3,529,229	311.2	22,754,218	85,981.7	\$2,271.21	\$2,483.98
77.9	6	3,529,235	467.4	22,754,685	85,514.3	\$3,411.11	\$3,730.62
78	2	3,529,237	156.0	22,754,841	85,358.3	\$1,138.46	\$1,245.09
78.1	2	3,529,239	156.2	22,754,997	85,202.1	\$1,139.89	\$1,246.64
78.2	2	3,529,241	156.4	22,755,154	85,045.7	\$1,141.32	\$1,248.19
78.4	4	3,529,245	313.6	22,755,467	84,732.1	\$2,288.36	\$2,502.60
78.5	4	3,529,249	314.0	22,755,781	84,418.1	\$2,291.22	\$2,505.70
78.6	3	3,529,252	235.8	22,756,017	84,182.3	\$1,720.56	\$1,881.60
78.7	7	3,529,259	550.9	22,756,568	83,631.4	\$4,019.65	\$4,395.83
78.8	8	3,529,267	630.4	22,757,198	83,001.0	\$4,599.60	\$5,030.01
78.9	2	3,529,269	157.8	22,757,356	82,843.2	\$1,151.33	\$1,259.05
79	5	3,529,274	395.0	22,757,751	82,448.2	\$2,881.90	\$3,151.52
79.1	2	3,529,276	158.2	22,757,909	82,290.0	\$1,154.19	\$1,262.16
79.3	5	3,529,281	396.5	22,758,306	81,893.5	\$2,892.62	\$3,163.15
79.4	3	3,529,284	238.2	22,758,544	81,655.3	\$1,737.71	\$1,900.22
79.5	1	3,529,285	79.5	22,758,624	81,575.8	\$579.95	\$634.18
79.6	6	3,529,291	477.6	22,759,101	81,098.2	\$3,484.00	\$3,809.74
79.7	2	3,529,293	159.4	22,759,261	80,938.8	\$1,162.76	\$1,271.47
79.8	5	3,529,298	399.0	22,759,660	80,539.8	\$2,910.48	\$3,182.54
79.9	2	3,529,300	159.8	22,759,819	80,380.0	\$1,165.62	\$1,274.57
80	4	3,529,304	320.0	22,760,139	80,060.0	\$2,334.10	\$2,552.24
80.1	2	3,529,306	160.2	22,760,300	79,899.8	\$1,168.48	\$1,277.67

## RATE SCHEDULE R (Residential)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
80.2	6	3,529,312	481.2	22,760,781	79,418.6	\$3,509.73	\$3,837.67
80.4	4	3,529,316	321.6	22,761,102	79,097.0	\$2,345.54	\$2,564.65
80.5	3	3,529,319	241.5	22,761,344	78,855.5	\$1,761.30	\$1,925.82
80.6	4	3,529,323	322.4	22,761,666	78,533.1	\$2,351.26	\$2,570.86
80.7	2	3,529,325	161.4	22,761,828	78,371.7	\$1,177.06	\$1,286.98
80.8	3	3,529,328	242.4	22,762,070	78,129.3	\$1,767.73	\$1,932.80
80.9	4	3,529,332	323.6	22,762,394	77,805.7	\$2,359.83	\$2,580.17
81	9	3,529,341	729.0	22,763,123	77,076.7	\$5,316.06	\$5,812.35
81.1	3	3,529,344	243.3	22,763,366	76,833.4	\$1,774.16	\$1,939.78
81.2	3	3,529,347	243.6	22,763,610	76,589.8	\$1,776.31	\$1,942.11
81.3	1	3,529,348	81.3	22,763,691	76,508.5	\$592.82	\$648.14
81.4	3	3,529,351	244.2	22,763,935	76,264.3	\$1,780.59	\$1,946.76
81.5	1	3,529,352	81.5	22,764,017	76,182.8	\$594.25	\$649.70
81.6	4	3,529,356	326.4	22,764,343	75,856.4	\$2,379.84	\$2,601.88
81.7	6	3,529,362	490.2	22,764,833	75,366.2	\$3,574.05	\$3,907.48
81.8	8	3,529,370	654.4	22,765,488	74,711.8	\$4,771.12	\$5,216.18
81.9	3	3,529,373	245.7	22,765,733	74,466.1	\$1,791.32	\$1,958.39
82	4	3,529,377	328.0	22,766,061	74,138.1	\$2,391.28	\$2,614.30
82.1	8	3,529,385	656.8	22,766,718	73,481.3	\$4,788.28	\$5,234.80
82.2	2	3,529,387	164.4	22,766,882	73,316.9	\$1,198.50	\$1,310.25
82.3	4	3,529,391	329.2	22,767,212	72,987.7	\$2,399.86	\$2,623.60
82.4	2	3,529,393	164.8	22,767,376	72,822.9	\$1,201.36	\$1,313.35
82.5	4	3,529,397	330.0	22,767,706	72,492.9	\$2,405.57	\$2,629.81
82.6	6	3,529,403	495.6	22,768,202	71,997.3	\$3,612.65	\$3,949.37
82.7	3	3,529,406	248.1	22,768,450	71,749.2	\$1,808.47	\$1,977.01
82.8	2	3,529,408	165.6	22,768,616	71,583.6	\$1,207.07	\$1,319.56
82.9	1	3,529,409	82.9	22,768,699	71,500.7	\$604.25	\$660.56
83	1	3,529,410	83.0	22,768,782	71,417.7	\$604.97	\$661.33
83.1	5	3,529,415	415.5	22,769,197	71,002.2	\$3,028.41	\$3,310.53
83.2	5	3,529,420	416.0	22,769,613	70,586.2	\$3,031.98	\$3,314.41
83.3	2	3,529,422	166.6	22,769,780	70,419.6	\$1,214.22	\$1,327.32
83.4	4	3,529,426	333.6	22,770,113	70,086.0	\$2,431.30	\$2,657.74
83.5	5	3,529,431	417.5	22,770,531	69,668.5	\$3,042.70	\$3,326.05
83.6	1	3,529,432	83.6	22,770,614	69,584.9	\$609.25	\$665.99
83.8	6	3,529,438	502.8	22,771,117	69,082.1	\$3,664.11	\$4,005.22
84	2	3,529,440	168.0	22,771,285	68,914.1	\$1,224.23	\$1,338.18
84.1	4	3,529,444	336.4	22,771,622	68,577.7	\$2,451.31	\$2,679.45
84.2	2	3,529,446	168.4	22,771,790	68,409.3	\$1,227.09	\$1,341.28
84.3	3	3,529,449	252.9	22,772,043	68,156.4	\$1,842.77	\$2,014.25
84.4	2	3,529,451	168.8	22,772,212	67,987.6	\$1,229.94	\$1,344.38
84.5	2	3,529,453	169.0	22,772,381	67,818.6	\$1,231.37	\$1,345.93
84.6	1	3,529,454	84.6	22,772,465	67,734.0	\$616.40	\$673.74
84.7	5	3,529,459	423.5	22,772,889	67,310.5	\$3,085.58	\$3,372.59
84.8	3	3,529,462	254.4	22,773,143	67,056.1	\$1,853.49	\$2,025.88
84.9	2	3,529,464	169.8	22,773,313	66,886.3	\$1,237.09	\$1,352.14
85	4	3,529,468	340.0	22,773,653	66,546.3	\$2,477.04	\$2,707.38
85.1	4	3,529,472	340.4	22,773,993	66,205.9	\$2,479.90	\$2,710.48
85.3	3	3,529,475	255.9	22,774,249	65,950.0	\$1,864.21	\$2,037.52
85.4	3	3,529,478	256.2	22,774,506	65,693.8	\$1,866.36	\$2,039.84
85.5	6	3,529,484	513.0	22,775,019	65,180.8	\$3,737.00	\$4,084.34

## RATE SCHEDULE R (Residential)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
85.6	3	3,529,487	256.8	22,775,275	64,924.0	\$1,870.65	\$2,044.50
85.7	3	3,529,490	257.1	22,775,532	64,666.9	\$1,872.79	\$2,046.82
85.8	2	3,529,492	171.6	22,775,704	64,495.3	\$1,249.96	\$1,366.10
85.9	3	3,529,495	257.7	22,775,962	64,237.6	\$1,877.08	\$2,051.48
86	1	3,529,496	86.0	22,776,048	64,151.6	\$626.41	\$684.60
86.1	3	3,529,499	258.3	22,776,306	63,893.3	\$1,881.37	\$2,056.13
86.2	5	3,529,504	431.0	22,776,737	63,462.3	\$3,139.18	\$3,430.77
86.3	3	3,529,507	258.9	22,776,996	63,203.4	\$1,885.65	\$2,060.79
86.4	5	3,529,512	432.0	22,777,428	62,771.4	\$3,146.33	\$3,438.52
86.5	3	3,529,515	259.5	22,777,687	62,511.9	\$1,889.94	\$2,065.44
86.6	2	3,529,517	173.2	22,777,861	62,338.7	\$1,261.39	\$1,378.51
86.7	1	3,529,518	86.7	22,777,947	62,252.0	\$631.41	\$690.03
86.8	1	3,529,519	86.8	22,778,034	62,165.2	\$632.12	\$690.81
86.9	3	3,529,522	260.7	22,778,295	61,904.5	\$1,898.52	\$2,074.75
87	1	3,529,523	87.0	22,778,382	61,817.5	\$633.55	\$692.36
87.1	4	3,529,527	348.4	22,778,730	61,469.1	\$2,537.08	\$2,772.54
87.2	6	3,529,533	523.2	22,779,253	60,945.9	\$3,809.90	\$4,163.46
87.3	1	3,529,534	87.3	22,779,341	60,858.6	\$635.70	\$694.69
87.4	2	3,529,536	174.8	22,779,516	60,683.8	\$1,272.83	\$1,390.92
87.5	1	3,529,537	87.5	22,779,603	60,596.3	\$637.13	\$696.24
87.6	4	3,529,541	350.4	22,779,953	60,245.9	\$2,551.37	\$2,788.05
87.7	5	3,529,546	438.5	22,780,392	59,807.4	\$3,192.79	\$3,488.94
87.8	3	3,529,549	263.4	22,780,655	59,544.0	\$1,917.82	\$2,095.69
87.9	5	3,529,554	439.5	22,781,095	59,104.5	\$3,199.93	\$3,496.70
88	2	3,529,556	176.0	22,781,271	58,928.5	\$1,281.40	\$1,400.23
88.1	3	3,529,559	264.3	22,781,535	58,664.2	\$1,924.25	\$2,102.68
88.2	2	3,529,561	176.4	22,781,712	58,487.8	\$1,284.26	\$1,403.33
88.3	3	3,529,564	264.9	22,781,976	58,222.9	\$1,928.54	\$2,107.33
88.4	2	3,529,566	176.8	22,782,153	58,046.1	\$1,287.12	\$1,406.44
88.5	1	3,529,567	88.5	22,782,242	57,957.6	\$644.27	\$703.99
88.6	2	3,529,569	177.2	22,782,419	57,780.4	\$1,289.98	\$1,409.54
88.7	2	3,529,571	177.4	22,782,596	57,603.0	\$1,291.41	\$1,411.09
88.8	2	3,529,573	177.6	22,782,774	57,425.4	\$1,292.84	\$1,412.64
88.9	1	3,529,574	88.9	22,782,863	57,336.5	\$647.13	\$707.10
89	3	3,529,577	267.0	22,783,130	57,069.5	\$1,943.54	\$2,123.62
89.1	3	3,529,580	267.3	22,783,397	56,802.2	\$1,945.69	\$2,125.95
89.2	3	3,529,583	267.6	22,783,665	56,534.6	\$1,947.83	\$2,128.27
89.3	4	3,529,587	357.2	22,784,022	56,177.4	\$2,599.97	\$2,840.80
89.4	3	3,529,590	268.2	22,784,290	55,909.2	\$1,952.12	\$2,132.93
89.5	3	3,529,593	268.5	22,784,559	55,640.7	\$1,954.26	\$2,135.25
89.6	1	3,529,594	89.6	22,784,648	55,551.1	\$652.14	\$712.53
89.7	3	3,529,597	269.1	22,784,917	55,282.0	\$1,958.55	\$2,139.91
89.8	4	3,529,601	359.2	22,785,277	54,922.8	\$2,614.26	\$2,856.31
89.9	1	3,529,602	89.9	22,785,366	54,832.9	\$654.28	\$714.85
90.1	1	3,529,603	90.1	22,785,457	54,742.8	\$655.71	\$716.41
90.2	3	3,529,606	270.6	22,785,727	54,472.2	\$1,969.27	\$2,151.54
90.3	6	3,529,612	541.8	22,786,269	53,930.4	\$3,942.83	\$4,307.74
90.5	5	3,529,617	452.5	22,786,721	53,477.9	\$3,292.84	\$3,597.54
90.6	2	3,529,619	181.2	22,786,903	53,296.7	\$1,318.57	\$1,440.57
90.7	3	3,529,622	272.1	22,787,175	53,024.6	\$1,979.99	\$2,163.18

**RATE SCHEDULE R (Residential)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
90.8	5	3,529,627	454.0	22,787,629	52,570.6	\$3,303.56	\$3,609.18
90.9	1	3,529,628	90.9	22,787,720	52,479.7	\$661.43	\$722.61
91	1	3,529,629	91.0	22,787,811	52,388.7	\$662.14	\$723.39
91.1	3	3,529,632	273.3	22,788,084	52,115.4	\$1,988.57	\$2,172.49
91.3	1	3,529,633	91.3	22,788,175	52,024.1	\$664.29	\$725.71
91.4	4	3,529,637	365.6	22,788,541	51,658.5	\$2,660.00	\$2,905.96
91.5	1	3,529,638	91.5	22,788,632	51,567.0	\$665.72	\$727.27
91.9	3	3,529,641	275.7	22,788,908	51,291.3	\$2,005.72	\$2,191.10
92	3	3,529,644	276.0	22,789,184	51,015.3	\$2,007.87	\$2,193.43
92.1	3	3,529,647	276.3	22,789,460	50,739.0	\$2,010.01	\$2,195.76
92.2	3	3,529,650	276.6	22,789,737	50,462.4	\$2,012.15	\$2,198.09
92.3	1	3,529,651	92.3	22,789,829	50,370.1	\$671.43	\$733.47
92.4	2	3,529,653	184.8	22,790,014	50,185.3	\$1,344.30	\$1,468.49
92.5	2	3,529,655	185.0	22,790,199	50,000.3	\$1,345.72	\$1,470.05
92.6	1	3,529,656	92.6	22,790,292	49,907.7	\$673.58	\$735.80
92.8	3	3,529,659	278.4	22,790,570	49,629.3	\$2,025.02	\$2,212.05
92.9	2	3,529,661	185.8	22,790,756	49,443.5	\$1,351.44	\$1,476.25
93	3	3,529,664	279.0	22,791,035	49,164.5	\$2,029.31	\$2,216.70
93.1	1	3,529,665	93.1	22,791,128	49,071.4	\$677.15	\$739.68
93.5	2	3,529,667	187.0	22,791,315	48,884.4	\$1,360.02	\$1,485.56
93.6	5	3,529,672	468.0	22,791,783	48,416.4	\$3,403.62	\$3,717.78
93.7	2	3,529,674	187.4	22,791,970	48,229.0	\$1,362.88	\$1,488.66
94	2	3,529,676	188.0	22,792,158	48,041.0	\$1,367.17	\$1,493.32
94.1	2	3,529,678	188.2	22,792,347	47,852.8	\$1,368.59	\$1,494.87
94.2	1	3,529,679	94.2	22,792,441	47,758.6	\$685.01	\$748.21
94.3	3	3,529,682	282.9	22,792,724	47,475.7	\$2,057.18	\$2,246.96
94.5	1	3,529,683	94.5	22,792,818	47,381.2	\$687.16	\$750.54
94.7	1	3,529,684	94.7	22,792,913	47,286.5	\$688.59	\$752.09
94.8	3	3,529,687	284.4	22,793,197	47,002.1	\$2,067.90	\$2,258.59
94.9	3	3,529,690	284.7	22,793,482	46,717.4	\$2,070.04	\$2,260.92
95	1	3,529,691	95.0	22,793,577	46,622.4	\$690.73	\$754.42
95.1	1	3,529,692	95.1	22,793,672	46,527.3	\$691.44	\$755.19
95.2	1	3,529,693	95.2	22,793,767	46,432.1	\$692.16	\$755.97
95.3	2	3,529,695	190.6	22,793,958	46,241.5	\$1,385.75	\$1,513.48
95.5	1	3,529,696	95.5	22,794,053	46,146.0	\$694.30	\$758.29
95.6	3	3,529,699	286.8	22,794,340	45,859.2	\$2,085.05	\$2,277.21
95.8	1	3,529,700	95.8	22,794,436	45,763.4	\$696.45	\$760.62
96.1	3	3,529,703	288.3	22,794,724	45,475.1	\$2,095.77	\$2,288.84
96.2	1	3,529,704	96.2	22,794,820	45,378.9	\$699.31	\$763.72
96.3	1	3,529,705	96.3	22,794,917	45,282.6	\$700.02	\$764.50
96.5	1	3,529,706	96.5	22,795,013	45,186.1	\$701.45	\$766.05
96.6	1	3,529,707	96.6	22,795,110	45,089.5	\$702.16	\$766.83
97.1	1	3,529,708	97.1	22,795,207	44,992.4	\$705.74	\$770.70
97.2	4	3,529,712	388.8	22,795,596	44,603.6	\$2,825.81	\$3,085.92
97.3	3	3,529,715	291.9	22,795,888	44,311.7	\$2,121.50	\$2,316.77
97.4	1	3,529,716	97.4	22,795,985	44,214.3	\$707.88	\$773.03
97.5	1	3,529,717	97.5	22,796,083	44,116.8	\$708.60	\$773.81
97.7	2	3,529,719	195.4	22,796,278	43,921.4	\$1,420.05	\$1,550.72
97.8	2	3,529,721	195.6	22,796,474	43,725.8	\$1,421.48	\$1,552.27
97.9	4	3,529,725	391.6	22,796,865	43,334.2	\$2,845.82	\$3,107.64

## RATE SCHEDULE R (Residential)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
98	1	3,529,726	98.0	22,796,963	43,236.2	\$712.17	\$777.69
98.1	1	3,529,727	98.1	22,797,061	43,138.1	\$712.88	\$778.46
98.5	3	3,529,730	295.5	22,797,357	42,842.6	\$2,147.23	\$2,344.69
98.6	1	3,529,731	98.6	22,797,455	42,744.0	\$716.46	\$782.34
98.7	2	3,529,733	197.4	22,797,653	42,546.6	\$1,434.35	\$1,566.23
98.8	1	3,529,734	98.8	22,797,752	42,447.8	\$717.89	\$783.89
99.1	2	3,529,736	198.2	22,797,950	42,249.6	\$1,440.06	\$1,572.44
99.2	1	3,529,737	99.2	22,798,049	42,150.4	\$720.75	\$786.99
99.3	1	3,529,738	99.3	22,798,148	42,051.1	\$721.46	\$787.77
99.6	2	3,529,740	199.2	22,798,347	41,851.9	\$1,447.21	\$1,580.19
99.7	1	3,529,741	99.7	22,798,447	41,752.2	\$724.32	\$790.87
99.8	2	3,529,743	199.6	22,798,647	41,552.6	\$1,450.07	\$1,583.30
100.2	1	3,529,744	100.2	22,798,747	41,452.4	\$727.89	\$794.75
100.3	3	3,529,747	300.9	22,799,048	41,151.5	\$2,185.82	\$2,386.58
100.6	1	3,529,748	100.6	22,799,148	41,050.9	\$730.75	\$797.85
100.7	1	3,529,749	100.7	22,799,249	40,950.2	\$731.47	\$798.63
100.8	2	3,529,751	201.6	22,799,451	40,748.6	\$1,464.36	\$1,598.81
100.9	1	3,529,752	100.9	22,799,552	40,647.7	\$732.90	\$800.18
101	4	3,529,756	404.0	22,799,956	40,243.7	\$2,934.44	\$3,203.83
101.1	2	3,529,758	202.2	22,800,158	40,041.5	\$1,468.65	\$1,603.47
101.3	1	3,529,759	101.3	22,800,259	39,940.2	\$735.75	\$803.28
101.6	3	3,529,762	304.8	22,800,564	39,635.4	\$2,213.70	\$2,416.83
101.7	1	3,529,763	101.7	22,800,666	39,533.7	\$738.61	\$806.39
101.8	1	3,529,764	101.8	22,800,767	39,431.9	\$739.33	\$807.16
102.2	1	3,529,765	102.2	22,800,870	39,329.7	\$742.19	\$810.27
102.3	3	3,529,768	306.9	22,801,177	39,022.8	\$2,228.71	\$2,433.12
102.5	1	3,529,769	102.5	22,801,279	38,920.3	\$744.33	\$812.59
102.6	1	3,529,770	102.6	22,801,382	38,817.7	\$745.05	\$813.37
102.7	1	3,529,771	102.7	22,801,484	38,715.0	\$745.76	\$814.14
102.9	1	3,529,772	102.9	22,801,587	38,612.1	\$747.19	\$815.70
103.3	1	3,529,773	103.3	22,801,691	38,508.8	\$750.05	\$818.80
103.5	1	3,529,774	103.5	22,801,794	38,405.3	\$751.48	\$820.35
103.6	1	3,529,775	103.6	22,801,898	38,301.7	\$752.19	\$821.13
103.8	1	3,529,776	103.8	22,802,001	38,197.9	\$753.62	\$822.68
104	1	3,529,777	104.0	22,802,105	38,093.9	\$755.05	\$824.23
104.1	2	3,529,779	208.2	22,802,314	37,885.7	\$1,511.53	\$1,650.01
104.2	2	3,529,781	208.4	22,802,522	37,677.3	\$1,512.96	\$1,651.56
104.3	1	3,529,782	104.3	22,802,626	37,573.0	\$757.20	\$826.56
104.4	3	3,529,785	313.2	22,802,940	37,259.8	\$2,273.73	\$2,481.99
104.5	1	3,529,786	104.5	22,803,044	37,155.3	\$758.63	\$828.11
104.6	2	3,529,788	209.2	22,803,253	36,946.1	\$1,518.68	\$1,657.76
105.3	1	3,529,789	105.3	22,803,359	36,840.8	\$764.34	\$834.31
105.4	1	3,529,790	105.4	22,803,464	36,735.4	\$765.06	\$835.09
105.8	2	3,529,792	211.6	22,803,676	36,523.8	\$1,535.83	\$1,676.38
105.9	3	3,529,795	317.7	22,803,993	36,206.1	\$2,305.89	\$2,516.90
106.2	1	3,529,796	106.2	22,804,099	36,099.9	\$770.77	\$841.29
106.3	2	3,529,798	212.6	22,804,312	35,887.3	\$1,542.98	\$1,684.14
106.4	4	3,529,802	425.6	22,804,738	35,461.7	\$3,088.82	\$3,371.38
106.5	1	3,529,803	106.5	22,804,844	35,355.2	\$772.92	\$843.62
107.2	2	3,529,805	214.4	22,805,059	35,140.8	\$1,555.84	\$1,698.10

**RATE SCHEDULE R (Residential)**

**Bill Frequency Analysis (2014-2015 MCFs)**

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
107.3	1	3,529,806	107.3	22,805,166	35,033.5	\$778.64	\$849.83
107.4	1	3,529,807	107.4	22,805,273	34,926.1	\$779.35	\$850.60
108	1	3,529,808	108.0	22,805,381	34,818.1	\$783.64	\$855.26
108.1	1	3,529,809	108.1	22,805,489	34,710.0	\$784.35	\$856.03
108.4	2	3,529,811	216.8	22,805,706	34,493.2	\$1,573.00	\$1,716.72
108.5	2	3,529,813	217.0	22,805,923	34,276.2	\$1,574.43	\$1,718.27
108.9	1	3,529,814	108.9	22,806,032	34,167.3	\$790.07	\$862.24
109	1	3,529,815	109.0	22,806,141	34,058.3	\$790.79	\$863.01
109.1	1	3,529,816	109.1	22,806,250	33,949.2	\$791.50	\$863.79
109.4	2	3,529,818	218.8	22,806,469	33,730.4	\$1,587.29	\$1,732.23
109.5	1	3,529,819	109.5	22,806,578	33,620.9	\$794.36	\$866.89
109.7	1	3,529,820	109.7	22,806,688	33,511.2	\$795.79	\$868.44
109.9	1	3,529,821	109.9	22,806,798	33,401.3	\$797.22	\$869.99
110	2	3,529,823	220.0	22,807,018	33,181.3	\$1,595.87	\$1,741.54
110.1	4	3,529,827	440.4	22,807,458	32,740.9	\$3,194.59	\$3,486.18
110.2	2	3,529,829	220.4	22,807,679	32,520.5	\$1,598.72	\$1,744.64
110.3	2	3,529,831	220.6	22,807,899	32,299.9	\$1,600.15	\$1,746.19
110.4	2	3,529,833	220.8	22,808,120	32,079.1	\$1,601.58	\$1,747.75
110.6	2	3,529,835	221.2	22,808,341	31,857.9	\$1,604.44	\$1,750.85
110.8	4	3,529,839	443.2	22,808,785	31,414.7	\$3,214.60	\$3,507.90
111	1	3,529,840	111.0	22,808,896	31,303.7	\$805.08	\$878.53
111.2	1	3,529,841	111.2	22,809,007	31,192.5	\$806.51	\$880.08
111.4	2	3,529,843	222.8	22,809,230	30,969.7	\$1,615.88	\$1,763.26
111.5	1	3,529,844	111.5	22,809,341	30,858.2	\$808.65	\$882.41
112.1	1	3,529,845	112.1	22,809,453	30,746.1	\$812.94	\$887.06
112.2	1	3,529,846	112.2	22,809,565	30,633.9	\$813.66	\$887.84
112.3	1	3,529,847	112.3	22,809,678	30,521.6	\$814.37	\$888.61
112.8	2	3,529,849	225.6	22,809,903	30,296.0	\$1,635.89	\$1,784.98
113.4	1	3,529,850	113.4	22,810,017	30,182.6	\$822.23	\$897.14
113.5	1	3,529,851	113.5	22,810,130	30,069.1	\$822.95	\$897.92
113.6	1	3,529,852	113.6	22,810,244	29,955.5	\$823.66	\$898.70
113.7	2	3,529,854	227.4	22,810,471	29,728.1	\$1,648.75	\$1,798.94
113.9	1	3,529,855	113.9	22,810,585	29,614.2	\$825.81	\$901.02
114	1	3,529,856	114.0	22,810,699	29,500.2	\$826.52	\$901.80
114.1	1	3,529,857	114.1	22,810,813	29,386.1	\$827.24	\$902.57
114.2	1	3,529,858	114.2	22,810,927	29,271.9	\$827.95	\$903.35
114.5	1	3,529,859	114.5	22,811,042	29,157.4	\$830.09	\$905.68
114.6	1	3,529,860	114.6	22,811,157	29,042.8	\$830.81	\$906.45
114.7	1	3,529,861	114.7	22,811,271	28,928.1	\$831.52	\$907.23
115.3	1	3,529,862	115.3	22,811,387	28,812.8	\$835.81	\$911.88
115.5	2	3,529,864	231.0	22,811,618	28,581.8	\$1,674.48	\$1,826.87
115.6	1	3,529,865	115.6	22,811,733	28,466.2	\$837.96	\$914.21
115.9	1	3,529,866	115.9	22,811,849	28,350.3	\$840.10	\$916.54
116.1	2	3,529,868	232.2	22,812,081	28,118.1	\$1,683.06	\$1,836.18
116.2	4	3,529,872	464.8	22,812,546	27,653.3	\$3,368.98	\$3,675.45
116.8	1	3,529,873	116.8	22,812,663	27,536.5	\$846.53	\$923.52
117	2	3,529,875	234.0	22,812,897	27,302.5	\$1,695.92	\$1,850.14
117.3	1	3,529,876	117.3	22,813,014	27,185.2	\$850.11	\$927.40
117.7	2	3,529,878	235.4	22,813,250	26,949.8	\$1,705.93	\$1,861.00
118.1	1	3,529,879	118.1	22,813,368	26,831.7	\$855.82	\$933.60

## RATE SCHEDULE R (Residential)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
118.3	1	3,529,880	118.3	22,813,486	26,713.4	\$857.25	\$935.15
118.4	1	3,529,881	118.4	22,813,604	26,595.0	\$857.97	\$935.93
118.8	1	3,529,882	118.8	22,813,723	26,476.2	\$860.83	\$939.03
119.1	2	3,529,884	238.2	22,813,961	26,238.0	\$1,725.94	\$1,882.72
119.2	1	3,529,885	119.2	22,814,081	26,118.8	\$863.68	\$942.13
119.3	2	3,529,887	238.6	22,814,319	25,880.2	\$1,728.80	\$1,885.82
119.4	1	3,529,888	119.4	22,814,439	25,760.8	\$865.11	\$943.69
119.9	1	3,529,889	119.9	22,814,558	25,640.9	\$868.69	\$947.56
120	2	3,529,891	240.0	22,814,798	25,400.9	\$1,738.80	\$1,896.68
120.2	1	3,529,892	120.2	22,814,919	25,280.7	\$870.83	\$949.89
120.7	1	3,529,893	120.7	22,815,039	25,160.0	\$874.40	\$953.77
121.3	1	3,529,894	121.3	22,815,161	25,038.7	\$878.69	\$958.42
121.6	1	3,529,895	121.6	22,815,282	24,917.1	\$880.84	\$960.75
122	1	3,529,896	122.0	22,815,404	24,795.1	\$883.70	\$963.85
122.2	1	3,529,897	122.2	22,815,526	24,672.9	\$885.13	\$965.41
122.4	2	3,529,899	244.8	22,815,771	24,428.1	\$1,773.11	\$1,933.91
122.6	1	3,529,900	122.6	22,815,894	24,305.5	\$887.98	\$968.51
122.9	1	3,529,901	122.9	22,816,017	24,182.6	\$890.13	\$970.84
123.1	1	3,529,902	123.1	22,816,140	24,059.5	\$891.56	\$972.39
123.6	1	3,529,903	123.6	22,816,263	23,935.9	\$895.13	\$976.27
123.7	1	3,529,904	123.7	22,816,387	23,812.2	\$895.85	\$977.04
124.7	1	3,529,905	124.7	22,816,512	23,687.5	\$902.99	\$984.80
125.1	3	3,529,908	375.3	22,816,887	23,312.2	\$2,717.55	\$2,963.70
125.5	1	3,529,909	125.5	22,817,013	23,186.7	\$908.71	\$991.00
125.9	1	3,529,910	125.9	22,817,139	23,060.8	\$911.57	\$994.11
126.1	1	3,529,911	126.1	22,817,265	22,934.7	\$913.00	\$995.66
126.3	3	3,529,914	378.9	22,817,644	22,555.8	\$2,743.28	\$2,991.63
126.7	1	3,529,915	126.7	22,817,770	22,429.1	\$917.29	\$1,000.31
127.1	1	3,529,916	127.1	22,817,897	22,302.0	\$920.14	\$1,003.41
127.2	1	3,529,917	127.2	22,818,025	22,174.8	\$920.86	\$1,004.19
127.6	1	3,529,918	127.6	22,818,152	22,047.2	\$923.72	\$1,007.29
127.8	3	3,529,921	383.4	22,818,536	21,663.8	\$2,775.44	\$3,026.53
128.6	1	3,529,922	128.6	22,818,664	21,535.2	\$930.87	\$1,015.05
128.8	2	3,529,924	257.6	22,818,922	21,277.6	\$1,864.59	\$2,033.20
128.9	1	3,529,925	128.9	22,819,051	21,148.7	\$933.01	\$1,017.38
129.1	2	3,529,927	258.2	22,819,309	20,890.5	\$1,868.88	\$2,037.86
129.2	1	3,529,928	129.2	22,819,438	20,761.3	\$935.15	\$1,019.70
129.7	1	3,529,929	129.7	22,819,568	20,631.6	\$938.73	\$1,023.58
130.6	1	3,529,930	130.6	22,819,698	20,501.0	\$945.16	\$1,030.56
131	1	3,529,931	131.0	22,819,829	20,370.0	\$948.02	\$1,033.67
131.3	2	3,529,933	262.6	22,820,092	20,107.4	\$1,900.32	\$2,071.99
132.4	1	3,529,934	132.4	22,820,224	19,975.0	\$958.02	\$1,044.53
133.5	1	3,529,935	133.5	22,820,358	19,841.5	\$965.89	\$1,053.06
133.7	1	3,529,936	133.7	22,820,492	19,707.8	\$967.31	\$1,054.61
134.5	1	3,529,937	134.5	22,820,626	19,573.3	\$973.03	\$1,060.82
134.8	1	3,529,938	134.8	22,820,761	19,438.5	\$975.18	\$1,063.14
135.3	1	3,529,939	135.3	22,820,896	19,303.2	\$978.75	\$1,067.02
135.4	1	3,529,940	135.4	22,821,032	19,167.8	\$979.46	\$1,067.80
135.5	1	3,529,941	135.5	22,821,167	19,032.3	\$980.18	\$1,068.57
136.3	2	3,529,943	272.6	22,821,440	18,759.7	\$1,971.79	\$2,149.56



**RATE SCHEDULE R (Residential)**

**Bill Frequency Analysis (2014-2015 MCFs)**

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
136.8	1	3,529,944	136.8	22,821,576	18,622.9	\$989.47	\$1,078.66
137.8	2	3,529,946	275.6	22,821,852	18,347.3	\$1,993.23	\$2,172.83
138	1	3,529,947	138.0	22,821,990	18,209.3	\$998.05	\$1,087.97
138.4	1	3,529,948	138.4	22,822,128	18,070.9	\$1,000.90	\$1,091.07
138.8	2	3,529,950	277.6	22,822,406	17,793.3	\$2,007.53	\$2,188.34
138.9	1	3,529,951	138.9	22,822,545	17,654.4	\$1,004.48	\$1,094.95
140.2	1	3,529,952	140.2	22,822,685	17,514.2	\$1,013.77	\$1,105.03
140.4	1	3,529,953	140.4	22,822,826	17,373.8	\$1,015.20	\$1,106.58
140.7	1	3,529,954	140.7	22,822,966	17,233.1	\$1,017.34	\$1,108.91
140.8	1	3,529,955	140.8	22,823,107	17,092.3	\$1,018.06	\$1,109.69
141.1	1	3,529,956	141.1	22,823,248	16,951.2	\$1,020.20	\$1,112.01
141.3	1	3,529,957	141.3	22,823,389	16,809.9	\$1,021.63	\$1,113.56
141.5	1	3,529,958	141.5	22,823,531	16,668.4	\$1,023.06	\$1,115.12
141.6	1	3,529,959	141.6	22,823,673	16,526.8	\$1,023.78	\$1,115.89
142.1	2	3,529,961	284.2	22,823,957	16,242.6	\$2,054.70	\$2,239.54
144.2	2	3,529,963	288.4	22,824,245	15,954.2	\$2,084.71	\$2,272.12
144.5	2	3,529,965	289.0	22,824,534	15,665.2	\$2,089.00	\$2,276.77
145	1	3,529,966	145.0	22,824,679	15,520.2	\$1,048.07	\$1,142.27
145.2	1	3,529,967	145.2	22,824,824	15,375.0	\$1,049.50	\$1,143.82
145.9	2	3,529,969	291.8	22,825,116	15,083.2	\$2,109.01	\$2,298.49
146.5	1	3,529,970	146.5	22,825,263	14,936.7	\$1,058.79	\$1,153.90
147.6	1	3,529,971	147.6	22,825,410	14,789.1	\$1,066.66	\$1,162.43
149.3	1	3,529,972	149.3	22,825,560	14,639.8	\$1,078.81	\$1,175.62
149.8	2	3,529,974	299.6	22,825,859	14,340.2	\$2,164.76	\$2,359.00
151.2	1	3,529,975	151.2	22,826,010	14,189.0	\$1,092.39	\$1,190.36
155.1	1	3,529,976	155.1	22,826,165	14,033.9	\$1,120.26	\$1,220.61
155.9	1	3,529,977	155.9	22,826,321	13,878.0	\$1,125.98	\$1,226.82
156.2	3	3,529,980	468.6	22,826,790	13,409.4	\$3,384.36	\$3,687.43
156.9	1	3,529,981	156.9	22,826,947	13,252.5	\$1,133.12	\$1,234.57
158.3	1	3,529,982	158.3	22,827,105	13,094.2	\$1,143.13	\$1,245.43
158.7	1	3,529,983	158.7	22,827,264	12,935.5	\$1,145.99	\$1,248.54
159.3	1	3,529,984	159.3	22,827,423	12,776.2	\$1,150.28	\$1,253.19
159.8	1	3,529,985	159.8	22,827,583	12,616.4	\$1,153.85	\$1,257.07
160	1	3,529,986	160.0	22,827,743	12,456.4	\$1,155.28	\$1,258.62
160.5	1	3,529,987	160.5	22,827,903	12,295.9	\$1,158.85	\$1,262.50
161.1	1	3,529,988	161.1	22,828,065	12,134.8	\$1,163.14	\$1,267.15
161.4	1	3,529,989	161.4	22,828,226	11,973.4	\$1,165.28	\$1,269.48
162.4	2	3,529,991	324.8	22,828,551	11,648.6	\$2,344.86	\$2,554.47
162.7	1	3,529,992	162.7	22,828,713	11,485.9	\$1,174.57	\$1,279.56
164.8	1	3,529,993	164.8	22,828,878	11,321.1	\$1,189.58	\$1,295.85
167.2	1	3,529,994	167.2	22,829,045	11,153.9	\$1,206.74	\$1,314.47
168.9	2	3,529,996	337.8	22,829,383	10,816.1	\$2,437.77	\$2,655.31
174.2	1	3,529,997	174.2	22,829,557	10,641.9	\$1,256.76	\$1,368.77
176	1	3,529,998	176.0	22,829,733	10,465.9	\$1,269.63	\$1,382.73
183.4	2	3,530,000	366.8	22,830,100	10,099.1	\$2,645.03	\$2,880.27
183.5	1	3,530,001	183.5	22,830,284	9,915.6	\$1,323.23	\$1,440.91
184.8	1	3,530,002	184.8	22,830,469	9,730.8	\$1,332.52	\$1,450.99
185	3	3,530,005	555.0	22,831,024	9,175.8	\$4,001.85	\$4,357.64
188.2	1	3,530,006	188.2	22,831,212	8,987.6	\$1,356.82	\$1,477.37
188.8	1	3,530,007	188.8	22,831,401	8,798.8	\$1,361.11	\$1,482.02

**RATE SCHEDULE R (Residential)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
189	1	3,530,008	189.0	22,831,590	8,609.8	\$1,362.54	\$1,483.57
193.3	1	3,530,009	193.3	22,831,783	8,416.5	\$1,393.27	\$1,516.93
196	1	3,530,010	196.0	22,831,979	8,220.5	\$1,412.57	\$1,537.87
196.2	2	3,530,012	392.4	22,832,371	7,828.1	\$2,827.99	\$3,078.85
202	1	3,530,013	202.0	22,832,573	7,626.1	\$1,455.45	\$1,584.41
203.7	1	3,530,014	203.7	22,832,777	7,422.4	\$1,467.60	\$1,597.60
205.2	1	3,530,015	205.2	22,832,982	7,217.2	\$1,478.32	\$1,609.24
206.4	1	3,530,016	206.4	22,833,189	7,010.8	\$1,486.89	\$1,618.54
207.9	1	3,530,017	207.9	22,833,396	6,802.9	\$1,497.61	\$1,630.18
210.3	1	3,530,018	210.3	22,833,607	6,592.6	\$1,514.77	\$1,648.80
221	1	3,530,019	221.0	22,833,828	6,371.6	\$1,591.24	\$1,731.80
222.3	1	3,530,020	222.3	22,834,050	6,149.3	\$1,600.53	\$1,741.88
224.1	1	3,530,021	224.1	22,834,274	5,925.2	\$1,613.39	\$1,755.84
226.5	1	3,530,022	226.5	22,834,501	5,698.7	\$1,630.55	\$1,774.46
232.3	1	3,530,023	232.3	22,834,733	5,466.4	\$1,672.00	\$1,819.45
236.6	1	3,530,024	236.6	22,834,970	5,229.8	\$1,702.73	\$1,852.81
238.7	1	3,530,025	238.7	22,835,208	4,991.1	\$1,717.74	\$1,869.10
249.4	1	3,530,026	249.4	22,835,458	4,741.7	\$1,794.21	\$1,952.10
249.6	1	3,530,027	249.6	22,835,707	4,492.1	\$1,795.64	\$1,953.65
250.6	1	3,530,028	250.6	22,835,958	4,241.5	\$1,802.79	\$1,961.40
261.6	2	3,530,030	523.2	22,836,481	3,718.3	\$3,762.81	\$4,093.46
264.6	1	3,530,031	264.6	22,836,746	3,453.7	\$1,902.84	\$2,070.00
265	1	3,530,032	265.0	22,837,011	3,188.7	\$1,905.70	\$2,073.11
266.7	1	3,530,033	266.7	22,837,277	2,922.0	\$1,917.85	\$2,086.29
269.9	2	3,530,035	539.8	22,837,817	2,382.2	\$3,881.44	\$4,222.23
271.1	1	3,530,036	271.1	22,838,088	2,111.1	\$1,949.30	\$2,120.42
280	1	3,530,037	280.0	22,838,368	1,831.1	\$2,012.91	\$2,189.46
331.7	2	3,530,039	663.4	22,839,032	1,167.7	\$4,764.80	\$5,180.99
347.6	1	3,530,040	347.6	22,839,379	820.1	\$2,496.04	\$2,713.83
373.3	1	3,530,041	373.3	22,839,753	446.8	\$2,679.71	\$2,913.19
446.8	1	3,530,042	446.8	22,840,199	0.0	\$3,205.01	\$3,483.33

## RATE SCHEDULE RT (Residential - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
0	17452	17,452	-	0	3,849,666.9	\$149,214.60	\$305,410.00
0.1	6910	24,362	691.0	691	3,848,975.9	\$61,424.44	\$123,262.51
0.2	5339	29,701	1,067.8	1,759	3,847,908.1	\$49,270.53	\$97,044.65
0.3	5861	35,562	1,758.3	3,517	3,846,149.8	\$56,075.88	\$108,515.48
0.4	7232	42,794	2,892.8	6,410	3,843,257.0	\$71,646.27	\$136,345.76
0.5	8176	50,970	4,088.0	10,498	3,839,169.0	\$83,771.70	\$156,908.89
0.6	9703	60,673	5,821.8	16,320	3,833,347.2	\$102,708.78	\$189,496.49
0.7	10882	71,555	7,617.4	23,937	3,825,729.8	\$118,880.08	\$216,203.14
0.8	11789	83,344	9,431.2	33,368	3,816,298.6	\$132,787.52	\$238,211.36
0.9	12294	95,638	11,064.6	44,433	3,805,234.0	\$142,645.93	\$252,574.33
1	12208	107,846	12,208.0	56,641	3,793,026.0	\$145,789.16	\$254,937.22
1.1	12538	120,384	13,791.8	70,433	3,779,234.2	\$153,983.06	\$266,069.90
1.2	12063	132,447	14,475.6	84,908	3,764,758.6	\$152,241.33	\$260,070.56
1.3	11928	144,375	15,506.4	100,415	3,749,252.2	\$154,583.66	\$261,195.05
1.4	11341	155,716	15,877.4	116,292	3,733,374.8	\$150,823.28	\$252,177.57
1.5	11141	166,857	16,711.5	133,004	3,716,663.3	\$151,942.63	\$251,499.16
1.6	10695	177,552	17,112.0	150,116	3,699,551.3	\$149,487.87	\$245,048.97
1.7	9977	187,529	16,960.9	167,077	3,682,590.4	\$142,836.42	\$231,972.83
1.8	9725	197,254	17,505.0	184,582	3,665,085.4	\$142,527.46	\$229,403.41
1.9	9011	206,265	17,120.9	201,702	3,647,964.5	\$135,119.85	\$215,609.08
2	8493	214,758	16,986.0	218,688	3,630,978.5	\$130,233.36	\$206,087.74
2.1	7849	222,607	16,482.9	235,171	3,614,495.6	\$123,020.60	\$193,115.85
2.2	7394	230,001	16,266.8	251,438	3,598,228.8	\$118,397.31	\$184,422.33
2.3	7021	237,022	16,148.3	267,586	3,582,080.5	\$114,806.20	\$177,493.97
2.4	6500	243,522	15,600.0	283,186	3,566,480.5	\$108,491.76	\$166,521.68
2.5	5922	249,444	14,805.0	297,991	3,551,675.5	\$100,853.14	\$153,717.35
2.6	5471	254,915	14,224.6	312,216	3,537,450.9	\$95,028.32	\$143,861.48
2.7	5168	260,083	13,953.6	326,170	3,523,497.3	\$91,518.41	\$137,642.24
2.8	4834	264,917	13,535.2	339,705	3,509,962.1	\$87,243.45	\$130,381.87
2.9	4563	269,480	13,232.7	352,938	3,496,729.4	\$83,900.29	\$124,616.08
3	4121	273,601	12,363.0	365,301	3,484,366.4	\$77,171.08	\$113,939.06
3.1	4087	277,688	12,669.7	377,970	3,471,696.7	\$77,920.74	\$114,381.56
3.2	3749	281,437	11,996.8	389,967	3,459,699.9	\$72,748.30	\$106,190.28
3.3	3559	284,996	11,744.7	401,712	3,447,955.2	\$70,268.65	\$102,012.47
3.4	3290	288,286	11,186.0	412,898	3,436,769.2	\$66,073.53	\$95,415.00
3.5	3160	291,446	11,060.0	423,958	3,425,709.2	\$64,534.63	\$92,713.77
3.6	3000	294,446	10,800.0	434,758	3,414,909.2	\$62,284.68	\$89,034.24
3.7	2746	297,192	10,160.2	444,918	3,404,749.0	\$57,942.71	\$82,424.92
3.8	2633	299,825	10,005.4	454,923	3,394,743.6	\$56,451.47	\$79,923.77
3.9	2584	302,409	10,077.6	465,001	3,384,666.0	\$56,277.43	\$79,310.51
4	2383	304,792	9,532.0	474,533	3,375,134.0	\$52,708.15	\$73,947.35
4.1	2366	307,158	9,700.6	484,234	3,365,433.4	\$53,134.71	\$74,220.19
4.2	2250	309,408	9,450.0	493,684	3,355,983.4	\$51,292.85	\$71,342.46
4.3	2260	311,668	9,718.0	503,402	3,346,265.4	\$52,287.43	\$72,424.05
4.4	2169	313,837	9,543.6	512,945	3,336,721.8	\$50,917.80	\$70,241.59
4.5	2134	315,971	9,603.0	522,548	3,327,118.8	\$50,820.04	\$69,830.03
4.6	1989	317,960	9,149.4	531,698	3,317,969.4	\$48,041.63	\$65,758.09
4.7	1917	319,877	9,009.9	540,707	3,308,959.5	\$46,952.83	\$64,026.19
4.8	1930	321,807	9,264.0	549,971	3,299,695.5	\$47,925.91	\$65,113.26

## RATE SCHEDULE RT (Residential - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
4.9	1840	323,647	9,016.0	558,987	3,290,679.5	\$46,315.17	\$62,699.32
5	1848	325,495	9,240.0	568,227	3,281,439.5	\$47,143.40	\$63,597.07
5.1	1701	327,196	8,675.1	576,903	3,272,764.4	\$43,860.68	\$59,113.63
5.2	1865	329,061	9,698.0	586,601	3,263,066.4	\$48,601.83	\$65,443.89
5.3	1771	330,832	9,386.3	595,987	3,253,680.1	\$46,638.74	\$62,744.48
5.4	1801	332,633	9,725.4	605,712	3,243,954.7	\$47,923.57	\$64,416.58
5.5	1616	334,249	8,888.0	614,600	3,235,066.7	\$43,444.79	\$58,346.33
5.6	1647	335,896	9,223.2	623,823	3,225,843.5	\$44,730.68	\$60,022.74
5.7	1595	337,491	9,091.5	632,915	3,216,752.0	\$43,756.61	\$58,667.23
5.8	1552	339,043	9,001.6	641,917	3,207,750.4	\$43,003.34	\$57,610.61
5.9	1595	340,638	9,410.5	651,327	3,198,339.9	\$44,633.00	\$59,746.34
6	1574	342,212	9,444.0	660,771	3,188,895.9	\$44,477.78	\$59,492.16
6.1	1598	343,810	9,747.8	670,519	3,179,148.1	\$45,594.98	\$60,939.86
6.2	1627	345,437	10,087.4	680,606	3,169,060.7	\$46,869.41	\$62,596.16
6.3	1591	347,028	10,023.3	690,630	3,159,037.4	\$46,269.45	\$61,749.32
6.4	1521	348,549	9,734.4	700,364	3,149,303.0	\$44,651.57	\$59,547.03
6.5	1560	350,109	10,140.0	710,504	3,139,163.0	\$46,225.06	\$61,601.59
6.6	1608	351,717	10,612.8	721,117	3,128,550.2	\$48,089.14	\$64,040.98
6.7	1579	353,296	10,579.3	731,696	3,117,970.9	\$47,655.66	\$63,420.16
6.8	1496	354,792	10,172.8	741,869	3,107,798.1	\$45,561.64	\$60,592.55
6.9	1487	356,279	10,260.3	752,129	3,097,537.8	\$45,696.06	\$60,731.04
7	1492	357,771	10,444.0	762,573	3,087,093.8	\$46,259.61	\$61,439.96
7.1	1509	359,280	10,713.9	773,287	3,076,379.9	\$47,201.26	\$62,650.48
7.2	1493	360,773	10,749.6	784,037	3,065,630.3	\$47,110.96	\$62,491.25
7.3	1493	362,266	10,898.9	794,936	3,054,731.4	\$47,521.13	\$62,996.30
7.4	1431	363,697	10,589.4	805,525	3,044,142.0	\$45,940.85	\$60,864.32
7.5	1506	365,203	11,295.0	816,820	3,032,847.0	\$48,762.40	\$64,563.73
7.6	1443	366,646	10,966.8	827,787	3,021,880.2	\$47,118.97	\$62,350.99
7.7	1485	368,131	11,434.5	839,221	3,010,445.7	\$48,898.39	\$64,668.13
7.8	1472	369,603	11,481.6	850,703	2,998,964.1	\$48,874.73	\$64,599.96
7.9	1414	371,017	11,170.6	861,873	2,987,793.5	\$47,337.43	\$62,532.91
8	1452	372,469	11,616.0	873,489	2,976,177.5	\$49,008.48	\$64,704.60
8.1	1441	373,910	11,672.1	885,162	2,964,505.4	\$49,033.09	\$64,701.88
8.2	1442	375,352	11,824.4	896,986	2,952,681.0	\$49,463.28	\$65,234.58
8.3	1369	376,721	11,362.7	908,349	2,941,318.3	\$47,335.35	\$62,395.24
8.4	1470	378,191	12,348.0	920,697	2,928,970.3	\$51,231.44	\$67,495.81
8.5	1410	379,601	11,985.0	932,682	2,916,985.3	\$49,527.73	\$65,217.86
8.6	1434	381,035	12,332.4	945,014	2,904,652.9	\$50,764.72	\$66,813.04
8.7	1420	382,455	12,354.0	957,368	2,892,298.9	\$50,659.22	\$66,641.11
8.8	1359	383,814	11,959.2	969,327	2,880,339.7	\$48,856.38	\$64,238.08
8.9	1420	385,234	12,638.0	981,965	2,867,701.7	\$51,439.46	\$67,601.83
9	1470	386,704	13,230.0	995,195	2,854,471.7	\$53,654.56	\$70,479.44
9.1	1422	388,126	12,940.2	1,008,135	2,841,531.5	\$52,293.24	\$68,659.11
9.2	1442	389,568	13,266.4	1,021,402	2,828,265.1	\$53,424.89	\$70,112.58
9.3	1483	391,051	13,791.9	1,035,194	2,814,473.2	\$55,351.33	\$72,607.74
9.4	1472	392,523	13,836.8	1,049,031	2,800,636.4	\$55,345.17	\$72,567.13
9.5	1445	393,968	13,727.5	1,062,758	2,786,908.9	\$54,726.99	\$71,724.89
9.6	1356	395,324	13,017.6	1,075,776	2,773,891.3	\$51,728.80	\$67,765.94
9.7	1385	396,709	13,434.5	1,089,210	2,760,456.8	\$53,215.59	\$69,683.73

## RATE SCHEDULE RT (Residential - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
9.8	1420	398,129	13,916.0	1,103,126	2,746,540.8	\$54,950.51	\$71,925.04
9.9	1440	399,569	14,256.0	1,117,382	2,732,284.8	\$56,120.07	\$73,425.20
10	1432	401,001	14,320.0	1,131,702	2,717,964.8	\$56,201.70	\$73,501.70
10.1	1400	402,401	14,140.0	1,145,842	2,703,824.8	\$55,330.42	\$72,332.79
10.2	1361	403,762	13,882.2	1,159,724	2,689,942.6	\$54,162.98	\$70,778.21
10.3	1393	405,155	14,347.9	1,174,072	2,675,594.7	\$55,819.17	\$72,913.58
10.4	1347	406,502	14,008.8	1,188,081	2,661,585.9	\$54,345.95	\$70,961.47
10.5	1451	407,953	15,235.5	1,203,317	2,646,350.4	\$58,940.56	\$76,931.15
10.6	1329	409,282	14,087.4	1,217,404	2,632,263.0	\$54,349.96	\$70,912.36
10.7	1399	410,681	14,969.3	1,232,373	2,617,293.7	\$57,596.98	\$75,120.65
10.8	1323	412,004	14,288.4	1,246,662	2,603,005.3	\$54,831.52	\$71,487.30
10.9	1426	413,430	15,543.4	1,262,205	2,587,461.9	\$59,492.11	\$77,535.21
11	1343	414,773	14,773.0	1,276,978	2,572,688.9	\$56,398.34	\$73,476.60
11.1	1360	416,133	15,096.0	1,292,074	2,557,592.9	\$57,485.88	\$74,866.75
11.2	1348	417,481	15,097.6	1,307,172	2,542,495.3	\$57,348.99	\$74,662.16
11.3	1389	418,870	15,695.7	1,322,867	2,526,799.6	\$59,474.88	\$77,402.91
11.4	1375	420,245	15,675.0	1,338,542	2,511,124.6	\$59,253.18	\$77,087.89
11.5	1314	421,559	15,111.0	1,353,653	2,496,013.6	\$56,985.49	\$74,112.49
11.6	1330	422,889	15,428.0	1,369,081	2,480,585.6	\$58,044.76	\$75,464.84
11.7	1339	424,228	15,666.3	1,384,748	2,464,919.3	\$58,805.41	\$76,428.46
11.8	1304	425,532	15,387.2	1,400,135	2,449,532.1	\$57,626.55	\$74,871.82
11.9	1315	426,847	15,648.5	1,415,783	2,433,883.6	\$58,473.93	\$75,948.25
12	1332	428,179	15,984.0	1,431,767	2,417,899.6	\$59,595.81	\$77,380.68
12.1	1313	429,492	15,887.3	1,447,655	2,402,012.3	\$59,106.44	\$76,721.06
12.2	1264	430,756	15,420.8	1,463,075	2,386,591.5	\$57,247.90	\$74,285.48
12.3	1308	432,064	16,088.4	1,479,164	2,370,503.1	\$59,600.05	\$77,313.84
12.4	1298	433,362	16,095.2	1,495,259	2,354,407.9	\$59,500.99	\$77,161.84
12.5	1189	434,551	14,862.5	1,510,122	2,339,545.4	\$54,831.03	\$71,084.37
12.6	1258	435,809	15,850.8	1,525,972	2,323,694.6	\$58,358.59	\$75,635.09
12.7	1234	437,043	15,671.8	1,541,644	2,308,022.8	\$57,584.25	\$74,609.57
12.8	1177	438,220	15,065.6	1,556,710	2,292,957.2	\$55,247.72	\$71,561.41
12.9	1282	439,502	16,537.8	1,573,248	2,276,419.4	\$60,528.57	\$78,379.07
13	1171	440,673	15,223.0	1,588,471	2,261,196.4	\$55,609.50	\$71,988.86
13.1	1247	441,920	16,335.7	1,604,806	2,244,860.7	\$59,561.25	\$77,082.91
13.2	1311	443,231	17,305.2	1,622,111	2,227,555.5	\$62,978.29	\$81,482.53
13.3	1244	444,475	16,545.2	1,638,657	2,211,010.3	\$60,101.48	\$77,739.10
13.4	1144	445,619	15,329.6	1,653,986	2,195,680.7	\$55,584.47	\$71,876.97
13.5	1167	446,786	15,754.5	1,669,741	2,179,926.2	\$57,022.60	\$73,716.82
13.6	1208	447,994	16,428.8	1,686,170	2,163,497.4	\$59,357.83	\$76,715.34
13.7	1154	449,148	15,809.8	1,701,979	2,147,687.6	\$57,021.46	\$73,676.39
13.8	1184	450,332	16,339.2	1,718,319	2,131,348.4	\$58,829.10	\$75,992.25
13.9	1192	451,524	16,568.8	1,734,887	2,114,779.6	\$59,554.07	\$76,908.94
14	1139	452,663	15,946.0	1,750,833	2,098,833.6	\$57,219.03	\$73,874.63
14.1	1111	453,774	15,665.1	1,766,498	2,083,168.5	\$56,117.64	\$72,434.40
14.2	1109	454,883	15,747.8	1,782,246	2,067,420.7	\$56,321.30	\$72,679.16
14.3	1111	455,994	15,887.3	1,798,134	2,051,533.4	\$56,728.09	\$73,186.06
14.4	1111	457,105	15,998.4	1,814,132	2,035,535.0	\$57,033.32	\$73,561.89
14.5	1116	458,221	16,182.0	1,830,314	2,019,353.0	\$57,596.59	\$74,270.47
14.6	1071	459,292	15,636.6	1,845,951	2,003,716.4	\$55,568.39	\$71,637.99

## RATE SCHEDULE RT (Residential - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
14.7	1119	460,411	16,449.3	1,862,400	1,987,267.1	\$58,366.27	\$75,227.19
14.8	1088	461,499	16,102.4	1,878,502	1,971,164.7	\$57,048.24	\$73,511.20
14.9	1010	462,509	15,049.0	1,893,551	1,956,115.7	\$53,235.86	\$68,582.76
15	1032	463,541	15,480.0	1,909,031	1,940,635.7	\$54,678.97	\$70,425.74
15.1	1035	464,576	15,628.5	1,924,660	1,925,007.2	\$55,122.27	\$70,980.59
15.2	994	465,570	15,108.8	1,939,769	1,909,898.4	\$53,211.76	\$68,505.05
15.3	999	466,569	15,284.7	1,955,053	1,894,613.7	\$53,753.88	\$69,187.58
15.4	1053	467,622	16,216.2	1,971,269	1,878,397.5	\$56,948.79	\$73,283.66
15.5	1002	468,624	15,531.0	1,986,800	1,862,866.5	\$54,465.86	\$70,073.27
15.6	1024	469,648	15,974.4	2,002,775	1,846,892.1	\$55,943.05	\$71,958.20
15.7	950	470,598	14,915.0	2,017,690	1,831,977.1	\$52,161.28	\$67,079.46
15.8	946	471,544	14,946.8	2,032,637	1,817,030.3	\$52,201.55	\$67,117.04
15.9	997	472,541	15,852.3	2,048,489	1,801,178.0	\$55,289.70	\$71,072.66
16	917	473,458	14,672.0	2,063,161	1,786,506.0	\$51,105.14	\$65,679.94
16.1	941	474,399	15,150.1	2,078,311	1,771,355.9	\$52,701.20	\$67,717.26
16.2	917	475,316	14,855.4	2,093,166	1,756,500.5	\$51,609.00	\$66,300.35
16.3	987	476,303	16,088.1	2,109,255	1,740,412.4	\$55,819.78	\$71,695.32
16.4	908	477,211	14,891.2	2,124,146	1,725,521.2	\$51,601.39	\$66,263.95
16.5	893	478,104	14,734.5	2,138,880	1,710,786.7	\$50,994.27	\$65,471.37
16.6	902	479,006	14,973.2	2,153,853	1,695,813.5	\$51,756.02	\$66,436.34
16.7	857	479,863	14,311.9	2,168,165	1,681,501.6	\$49,409.40	\$63,411.80
16.8	855	480,718	14,364.0	2,182,529	1,667,137.6	\$49,528.99	\$63,553.04
16.9	891	481,609	15,057.9	2,197,587	1,652,079.7	\$51,859.20	\$66,530.36
17	899	482,508	15,283.0	2,212,870	1,636,796.7	\$52,571.81	\$67,431.83
17.1	855	483,363	14,620.5	2,227,491	1,622,176.2	\$50,233.67	\$64,420.73
17.2	832	484,195	14,310.4	2,241,801	1,607,865.8	\$49,110.93	\$62,969.22
17.3	843	485,038	14,583.9	2,256,385	1,593,281.9	\$49,991.83	\$64,086.92
17.4	814	485,852	14,163.6	2,270,549	1,579,118.3	\$48,495.69	\$62,157.63
17.5	815	486,667	14,262.5	2,284,811	1,564,855.8	\$48,779.18	\$62,509.69
17.6	794	487,461	13,974.4	2,298,786	1,550,881.4	\$47,740.43	\$61,167.60
17.7	731	488,192	12,938.7	2,311,724	1,537,942.7	\$44,153.28	\$56,561.53
17.8	801	488,993	14,257.8	2,325,982	1,523,684.9	\$48,601.43	\$62,248.79
17.9	709	489,702	12,691.1	2,338,673	1,510,993.8	\$43,214.03	\$55,338.95
18	807	490,509	14,526.0	2,353,199	1,496,467.8	\$49,408.90	\$63,261.05
18.1	753	491,262	13,629.3	2,366,828	1,482,838.5	\$46,309.60	\$59,282.70
18.2	746	492,008	13,577.2	2,380,406	1,469,261.3	\$46,084.05	\$58,983.95
18.3	753	492,761	13,779.9	2,394,186	1,455,481.4	\$46,723.34	\$59,792.15
18.4	773	493,534	14,223.2	2,408,409	1,441,258.2	\$48,176.70	\$61,641.74
18.5	755	494,289	13,967.5	2,422,376	1,427,290.7	\$47,262.28	\$60,461.76
18.6	749	495,038	13,931.4	2,436,308	1,413,359.3	\$47,092.46	\$60,234.64
18.7	749	495,787	14,006.3	2,450,314	1,399,353.0	\$47,298.23	\$60,488.01
18.8	716	496,503	13,460.8	2,463,775	1,385,892.2	\$45,411.04	\$58,065.19
18.9	666	497,169	12,587.4	2,476,362	1,373,304.8	\$42,422.85	\$54,235.66
19	669	497,838	12,711.0	2,489,073	1,360,593.8	\$42,797.74	\$54,706.27
19.1	690	498,528	13,179.0	2,502,252	1,347,414.8	\$44,330.73	\$56,656.92
19.2	658	499,186	12,633.6	2,514,886	1,334,781.2	\$42,455.58	\$54,251.94
19.3	611	499,797	11,792.3	2,526,678	1,322,988.9	\$39,590.90	\$50,583.49
19.4	707	500,504	13,715.8	2,540,394	1,309,273.1	\$46,005.64	\$58,770.31
19.5	647	501,151	12,616.5	2,553,010	1,296,656.6	\$42,279.09	\$54,001.60

## RATE SCHEDULE RT (Residential - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
19.6	619	501,770	12,132.4	2,565,143	1,284,524.2	\$40,619.45	\$51,873.98
19.7	656	502,426	12,923.2	2,578,066	1,271,601.0	\$43,227.65	\$55,196.60
19.8	595	503,021	11,781.0	2,589,847	1,259,820.0	\$39,371.47	\$50,265.27
19.9	576	503,597	11,462.4	2,601,309	1,248,357.6	\$38,272.48	\$48,855.01
20	626	504,223	12,520.0	2,613,829	1,235,837.6	\$41,766.72	\$53,307.66
20.1	566	504,789	11,376.6	2,625,206	1,224,461.0	\$37,919.02	\$48,389.76
20.2	632	505,421	12,766.4	2,637,972	1,211,694.6	\$42,514.30	\$54,246.18
20.3	602	506,023	12,220.6	2,650,193	1,199,474.0	\$40,661.60	\$51,874.85
20.4	579	506,602	11,811.6	2,662,005	1,187,662.4	\$39,267.15	\$50,088.78
20.5	590	507,192	12,095.0	2,674,100	1,175,567.4	\$40,175.25	\$51,239.97
20.6	571	507,763	11,762.6	2,685,862	1,163,804.8	\$39,038.34	\$49,783.02
20.7	552	508,315	11,426.4	2,697,289	1,152,378.4	\$37,891.00	\$48,313.23
20.8	551	508,866	11,460.8	2,708,749	1,140,917.6	\$37,973.73	\$48,412.09
20.9	560	509,426	11,704.0	2,720,453	1,129,213.6	\$38,747.84	\$49,392.29
21	484	509,910	10,164.0	2,730,617	1,119,049.6	\$33,622.17	\$42,852.78
21.1	524	510,434	11,056.4	2,741,674	1,107,993.2	\$36,544.82	\$46,571.59
21.2	533	510,967	11,299.6	2,752,973	1,096,693.6	\$37,318.93	\$47,551.79
21.3	529	511,496	11,267.7	2,764,241	1,085,425.9	\$37,184.20	\$47,373.88
21.4	502	511,998	10,742.8	2,774,984	1,074,683.1	\$35,424.24	\$45,125.74
21.5	510	512,508	10,965.0	2,785,949	1,063,718.1	\$36,128.88	\$46,017.40
21.6	489	512,997	10,562.4	2,796,511	1,053,155.7	\$34,775.57	\$44,287.99
21.7	474	513,471	10,285.8	2,806,797	1,042,869.9	\$33,839.05	\$43,089.80
21.8	460	513,931	10,028.0	2,816,825	1,032,841.9	\$32,965.96	\$41,972.72
21.9	443	514,374	9,701.7	2,826,527	1,023,140.2	\$31,869.36	\$40,571.41
22	447	514,821	9,834.0	2,836,361	1,013,306.2	\$32,279.93	\$41,088.96
22.1	438	515,259	9,679.8	2,846,041	1,003,626.4	\$31,750.33	\$40,409.83
22.2	459	515,718	10,189.8	2,856,230	993,436.6	\$33,398.70	\$42,502.56
22.3	408	516,126	9,098.4	2,865,329	984,338.2	\$29,799.83	\$37,918.07
22.4	446	516,572	9,990.4	2,875,319	974,347.8	\$32,697.83	\$41,600.53
22.5	449	517,021	10,102.5	2,885,422	964,245.3	\$33,041.12	\$42,032.24
22.6	436	517,457	9,853.6	2,895,275	954,391.7	\$32,204.26	\$40,962.76
22.7	424	517,881	9,624.8	2,904,900	944,766.9	\$31,434.39	\$39,978.77
22.8	415	518,296	9,462.0	2,914,362	935,304.9	\$30,881.16	\$39,270.55
22.9	433	518,729	9,915.7	2,924,278	925,389.2	\$32,339.54	\$41,120.33
23	376	519,105	8,648.0	2,932,926	916,741.2	\$28,185.67	\$35,834.45
23.1	402	519,507	9,286.2	2,942,212	907,455.0	\$30,245.13	\$38,448.36
23.2	418	519,925	9,697.6	2,951,910	897,757.4	\$31,563.75	\$40,120.04
23.3	404	520,329	9,413.2	2,961,323	888,344.2	\$30,617.58	\$38,912.97
23.4	386	520,715	9,032.4	2,970,355	879,311.8	\$29,359.48	\$37,309.80
23.5	401	521,116	9,423.5	2,979,779	869,888.3	\$30,610.56	\$38,895.32
23.6	405	521,521	9,558.0	2,989,337	860,330.3	\$31,027.16	\$39,420.30
23.7	376	521,897	8,911.2	2,998,248	851,419.1	\$28,908.76	\$36,724.81
23.8	383	522,280	9,115.4	3,007,363	842,303.7	\$29,552.18	\$37,538.08
23.9	353	522,633	8,436.7	3,015,800	833,867.0	\$27,334.37	\$34,717.17
24	335	522,968	8,040.0	3,023,840	825,827.0	\$26,032.58	\$33,060.21
24.1	355	523,323	8,555.5	3,032,395	817,271.5	\$27,684.30	\$35,154.05
24.2	368	523,691	8,905.6	3,041,301	808,365.9	\$28,799.19	\$36,565.86
24.3	324	524,015	7,873.2	3,049,174	800,492.7	\$25,444.82	\$32,303.46
24.4	326	524,341	7,954.4	3,057,129	792,538.3	\$25,691.45	\$32,613.14

**RATE SCHEDULE RT (Residential - Choice)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
24.5	350	524,691	8,575.0	3,065,704	783,963.3	\$27,679.00	\$35,132.51
24.6	317	525,008	7,798.2	3,073,502	776,165.1	\$25,156.35	\$31,927.25
24.7	335	525,343	8,274.5	3,081,776	767,890.6	\$26,676.82	\$33,853.48
24.8	314	525,657	7,787.2	3,089,564	760,103.4	\$25,090.81	\$31,837.54
24.9	333	525,990	8,291.7	3,097,855	751,811.7	\$26,700.53	\$33,876.66
25	330	526,320	8,250.0	3,106,105	743,561.7	\$26,550.65	\$33,683.10
25.1	352	526,672	8,835.2	3,114,940	734,726.5	\$28,417.39	\$36,047.71
25.2	313	526,985	7,887.6	3,122,828	726,838.9	\$25,354.87	\$32,159.67
25.3	305	527,290	7,716.5	3,130,545	719,122.4	\$24,790.61	\$31,440.88
25.4	314	527,604	7,975.6	3,138,520	711,146.8	\$25,608.40	\$32,474.86
25.5	292	527,896	7,446.0	3,145,966	703,700.8	\$23,894.40	\$30,298.33
25.6	281	528,177	7,193.6	3,153,160	696,507.2	\$23,071.47	\$29,252.01
25.7	268	528,445	6,887.6	3,160,047	689,619.6	\$22,077.74	\$27,989.37
25.8	269	528,714	6,940.2	3,166,988	682,679.4	\$22,234.02	\$28,184.81
25.9	289	529,003	7,485.1	3,174,473	675,194.3	\$23,966.50	\$30,378.10
26	264	529,267	6,864.0	3,181,337	668,330.3	\$21,965.80	\$27,839.54
26.1	263	529,530	6,864.3	3,188,201	661,466.0	\$21,954.85	\$27,823.05
26.2	270	529,800	7,074.0	3,195,275	654,392.0	\$22,613.38	\$28,654.93
26.3	263	530,063	6,916.9	3,202,192	647,475.1	\$22,099.36	\$28,000.99
26.4	266	530,329	7,022.4	3,209,214	640,452.7	\$22,424.52	\$28,410.37
26.5	252	530,581	6,678.0	3,215,892	633,774.7	\$21,313.52	\$27,000.34
26.6	283	530,864	7,527.8	3,223,420	626,246.9	\$24,013.17	\$30,417.54
26.7	227	531,091	6,060.9	3,229,481	620,186.0	\$19,323.81	\$24,475.31
26.8	268	531,359	7,182.4	3,236,663	613,003.6	\$22,887.64	\$28,986.62
26.9	205	531,564	5,514.5	3,242,178	607,489.1	\$17,563.66	\$22,241.95
27	230	531,794	6,210.0	3,248,388	601,279.1	\$19,768.75	\$25,032.19
27.1	205	531,999	5,555.5	3,253,943	595,723.6	\$17,676.30	\$22,380.65
27.2	214	532,213	5,820.8	3,259,764	589,902.8	\$18,511.12	\$23,435.60
27.3	208	532,421	5,678.4	3,265,443	584,224.4	\$18,049.26	\$22,848.89
27.4	231	532,652	6,329.4	3,271,772	577,895.0	\$20,108.55	\$25,453.59
27.5	227	532,879	6,242.5	3,278,014	571,652.5	\$19,822.72	\$25,089.63
27.6	224	533,103	6,182.4	3,284,197	565,470.1	\$19,622.28	\$24,833.82
27.7	201	533,304	5,567.7	3,289,765	559,902.4	\$17,662.72	\$22,351.92
27.8	210	533,514	5,838.0	3,295,603	554,064.4	\$18,511.28	\$23,423.79
27.9	215	533,729	5,998.5	3,301,601	548,065.9	\$19,011.09	\$24,054.23
28	195	533,924	5,460.0	3,307,061	542,605.9	\$17,296.19	\$21,882.59
28.1	183	534,107	5,142.3	3,312,203	537,463.6	\$16,282.08	\$20,597.87
28.2	197	534,304	5,555.4	3,317,759	531,908.2	\$17,581.83	\$22,240.31
28.3	199	534,503	5,631.7	3,323,390	526,276.5	\$17,815.00	\$22,533.41
28.4	211	534,714	5,992.4	3,329,383	520,284.1	\$18,947.23	\$23,963.59
28.5	186	534,900	5,301.0	3,334,684	514,983.1	\$16,753.40	\$21,187.22
28.6	180	535,080	5,148.0	3,339,832	509,835.1	\$16,262.42	\$20,564.65
28.7	176	535,256	5,051.2	3,344,883	504,783.9	\$15,949.39	\$20,167.20
28.8	189	535,445	5,443.2	3,350,326	499,340.7	\$17,179.39	\$21,720.76
28.9	156	535,601	4,508.4	3,354,835	494,832.3	\$14,222.67	\$17,981.02
29	182	535,783	5,278.0	3,360,113	489,554.3	\$16,643.12	\$21,039.42
29.1	180	535,963	5,238.0	3,365,351	484,316.3	\$16,509.68	\$20,869.11
29.2	158	536,121	4,613.6	3,369,964	479,702.7	\$14,535.24	\$18,371.89
29.3	175	536,296	5,127.5	3,375,092	474,575.2	\$16,147.23	\$20,407.81



**RATE SCHEDULE RT (Residential - Choice)****Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
29.4	178	536,474	5,233.2	3,380,325	469,342.0	\$16,472.94	\$20,817.87
29.5	161	536,635	4,749.5	3,385,074	464,592.5	\$14,943.92	\$18,884.11
29.6	155	536,790	4,588.0	3,389,662	460,004.5	\$14,429.58	\$18,232.79
29.7	160	536,950	4,752.0	3,394,414	455,252.5	\$14,939.01	\$18,875.07
29.8	156	537,106	4,648.8	3,399,063	450,603.7	\$14,608.39	\$18,455.96
29.9	164	537,270	4,903.6	3,403,967	445,700.1	\$15,402.60	\$19,457.90
30	118	537,388	3,540.0	3,407,507	442,160.1	\$11,114.77	\$14,040.11
30.1	144	537,532	4,334.4	3,411,841	437,825.7	\$13,603.35	\$17,182.41
30.2	131	537,663	3,956.2	3,415,797	433,869.5	\$12,411.26	\$15,675.53
30.3	167	537,830	5,060.1	3,420,858	428,809.4	\$15,867.87	\$20,039.81
30.4	158	537,988	4,803.2	3,425,661	424,006.2	\$15,056.12	\$19,013.26
30.5	151	538,139	4,605.5	3,430,266	419,400.7	\$14,430.56	\$18,221.99
30.6	150	538,289	4,590.0	3,434,856	414,810.7	\$14,376.21	\$18,152.05
30.7	160	538,449	4,912.0	3,439,768	409,898.7	\$15,378.58	\$19,416.31
30.8	133	538,582	4,096.4	3,443,865	405,802.3	\$12,819.98	\$16,184.80
30.9	149	538,731	4,604.1	3,448,469	401,198.2	\$14,403.17	\$18,182.25
31	134	538,865	4,154.0	3,452,623	397,044.2	\$12,990.00	\$16,397.15
31.1	124	538,989	3,856.4	3,456,479	393,187.8	\$12,054.66	\$15,215.43
31.2	135	539,124	4,212.0	3,460,691	388,975.8	\$13,161.12	\$16,610.85
31.3	133	539,257	4,162.9	3,464,854	384,812.9	\$13,002.68	\$16,409.76
31.4	124	539,381	3,893.6	3,468,748	380,919.3	\$12,156.86	\$15,341.27
31.5	130	539,511	4,095.0	3,472,843	376,824.3	\$12,780.81	\$16,127.57
31.6	130	539,641	4,108.0	3,476,951	372,716.3	\$12,816.53	\$16,171.54
31.7	136	539,777	4,311.2	3,481,262	368,405.1	\$13,445.42	\$16,963.93
31.8	107	539,884	3,402.6	3,484,664	365,002.5	\$10,607.78	\$13,382.82
31.9	124	540,008	3,955.6	3,488,620	361,046.9	\$12,327.20	\$15,551.00
32	112	540,120	3,584.0	3,492,204	357,462.9	\$11,165.01	\$14,083.96
32.1	111	540,231	3,563.1	3,495,767	353,899.8	\$11,095.82	\$13,995.75
32.2	108	540,339	3,477.6	3,499,245	350,422.2	\$10,825.60	\$13,654.03
32.3	124	540,463	4,005.2	3,503,250	346,417.0	\$12,463.46	\$15,718.79
32.4	96	540,559	3,110.4	3,506,360	343,306.6	\$9,675.51	\$12,201.86
32.5	110	540,669	3,575.0	3,509,935	339,731.6	\$11,116.74	\$14,018.51
32.6	122	540,791	3,977.2	3,513,913	335,754.4	\$12,362.99	\$15,589.07
32.7	102	540,893	3,335.4	3,517,248	332,419.0	\$10,364.29	\$13,067.99
32.8	115	541,008	3,772.0	3,521,020	328,647.0	\$11,716.83	\$14,772.42
32.9	96	541,104	3,158.4	3,524,178	325,488.6	\$9,807.38	\$12,364.24
33	99	541,203	3,267.0	3,527,445	322,221.6	\$10,141.06	\$12,784.11
33.1	74	541,277	2,449.4	3,529,895	319,772.2	\$7,600.51	\$9,580.83
33.2	80	541,357	2,656.0	3,532,551	317,116.2	\$8,238.75	\$10,384.72
33.3	105	541,462	3,496.5	3,536,047	313,619.7	\$10,842.20	\$13,665.46
33.4	83	541,545	2,772.2	3,538,819	310,847.5	\$8,593.31	\$10,830.30
33.5	103	541,648	3,450.5	3,542,270	307,397.0	\$10,692.28	\$13,474.85
33.6	96	541,744	3,225.6	3,545,496	304,171.4	\$9,991.99	\$12,591.56
33.7	106	541,850	3,572.2	3,549,068	300,599.2	\$11,061.95	\$13,939.04
33.8	97	541,947	3,278.6	3,552,346	297,320.6	\$10,149.38	\$12,788.35
33.9	89	542,036	3,017.1	3,555,363	294,303.5	\$9,336.76	\$11,763.75
34	103	542,139	3,502.0	3,558,865	290,801.5	\$10,833.77	\$13,649.07
34.1	72	542,211	2,455.2	3,561,321	288,346.3	\$7,592.90	\$9,565.45
34.2	62	542,273	2,120.4	3,563,441	286,225.9	\$6,555.36	\$8,257.89

## RATE SCHEDULE RT (Residential - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
34.3	84	542,357	2,881.2	3,566,322	283,344.7	\$8,904.54	\$11,216.52
34.4	61	542,418	2,098.4	3,568,421	281,246.3	\$6,483.15	\$8,165.97
34.5	74	542,492	2,553.0	3,570,974	278,693.3	\$7,885.13	\$9,931.29
34.6	78	542,570	2,698.8	3,573,672	275,994.5	\$8,332.79	\$10,494.50
34.7	76	542,646	2,637.2	3,576,310	273,357.3	\$8,140.00	\$10,251.12
34.8	73	542,719	2,540.4	3,578,850	270,816.9	\$7,838.74	\$9,871.17
34.9	75	542,794	2,617.5	3,581,468	268,199.4	\$8,074.11	\$10,166.98
35	85	542,879	2,975.0	3,584,443	265,224.4	\$9,174.01	\$11,551.33
35.1	86	542,965	3,018.6	3,587,461	262,205.8	\$9,305.56	\$11,716.32
35.2	73	543,038	2,569.6	3,590,031	259,636.2	\$7,918.96	\$9,969.94
35.3	63	543,101	2,223.9	3,592,255	257,412.3	\$6,851.48	\$8,625.51
35.4	74	543,175	2,619.6	3,594,874	254,792.7	\$8,068.10	\$10,156.58
35.5	57	543,232	2,023.5	3,596,898	252,769.2	\$6,230.28	\$7,842.60
35.6	76	543,308	2,705.6	3,599,603	250,063.6	\$8,327.92	\$10,482.50
35.7	67	543,375	2,391.9	3,601,995	247,671.7	\$7,360.12	\$9,263.82
35.8	70	543,445	2,506.0	3,604,501	245,165.7	\$7,708.91	\$9,702.30
35.9	76	543,521	2,728.4	3,607,230	242,437.3	\$8,390.56	\$10,559.63
36	60	543,581	2,160.0	3,609,390	240,277.3	\$6,640.61	\$8,356.85
36.1	68	543,649	2,454.8	3,611,844	237,822.5	\$7,544.70	\$9,494.10
36.2	60	543,709	2,172.0	3,614,016	235,650.5	\$6,673.58	\$8,397.44
36.3	65	543,774	2,359.5	3,616,376	233,291.0	\$7,247.56	\$9,119.22
36.4	61	543,835	2,220.4	3,618,596	231,070.6	\$6,818.32	\$8,578.67
36.5	63	543,898	2,299.5	3,620,896	228,771.1	\$7,059.18	\$8,881.25
36.6	58	543,956	2,122.8	3,623,019	226,648.3	\$6,514.86	\$8,196.01
36.7	57	544,013	2,091.9	3,625,111	224,556.4	\$6,418.19	\$8,073.98
36.8	62	544,075	2,281.6	3,627,392	222,274.8	\$6,998.23	\$8,803.20
36.9	56	544,131	2,066.4	3,629,459	220,208.4	\$6,336.36	\$7,970.22
37	36	544,167	1,332.0	3,630,791	218,876.4	\$4,083.27	\$5,135.89
37.1	63	544,230	2,337.3	3,633,128	216,539.1	\$7,163.03	\$9,009.12
37.2	56	544,286	2,083.2	3,635,211	214,455.9	\$6,382.52	\$8,027.05
37.3	53	544,339	1,976.9	3,637,188	212,479.0	\$6,055.16	\$7,614.96
37.4	49	544,388	1,832.6	3,639,021	210,646.4	\$5,611.63	\$7,056.82
37.5	48	544,436	1,800.0	3,640,821	208,846.4	\$5,510.29	\$6,929.04
37.6	49	544,485	1,842.4	3,642,663	207,004.0	\$5,638.55	\$7,089.97
37.7	62	544,547	2,337.4	3,645,000	204,666.6	\$7,151.53	\$8,991.96
37.8	65	544,612	2,457.0	3,647,457	202,209.6	\$7,515.43	\$9,449.04
37.9	38	544,650	1,440.2	3,648,898	200,769.4	\$4,404.07	\$5,536.91
38	42	544,692	1,596.0	3,650,494	199,173.4	\$4,879.20	\$6,133.95
38.1	43	544,735	1,638.3	3,652,132	197,535.1	\$5,007.18	\$6,294.54
38.2	42	544,777	1,604.4	3,653,736	195,930.7	\$4,902.28	\$6,162.36
38.3	44	544,821	1,685.2	3,655,421	194,245.5	\$5,147.81	\$6,470.69
38.4	38	544,859	1,459.2	3,656,881	192,786.3	\$4,456.27	\$5,601.18
38.5	40	544,899	1,540.0	3,658,421	191,246.3	\$4,701.80	\$5,909.51
38.6	39	544,938	1,505.4	3,659,926	189,740.9	\$4,594.97	\$5,774.97
38.7	40	544,978	1,548.0	3,661,474	188,192.9	\$4,723.78	\$5,936.57
38.8	42	545,020	1,629.6	3,663,104	186,563.3	\$4,971.51	\$6,247.61
38.9	40	545,060	1,556.0	3,664,660	185,007.3	\$4,745.76	\$5,963.64
39	42	545,102	1,638.0	3,666,298	183,369.3	\$4,994.59	\$6,276.03
39.1	50	545,152	1,955.0	3,668,253	181,414.3	\$5,959.67	\$7,488.37

## RATE SCHEDULE RT (Residential - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
39.2	44	545,196	1,724.8	3,669,977	179,689.5	\$5,256.60	\$6,604.65
39.3	44	545,240	1,729.2	3,671,707	177,960.3	\$5,268.69	\$6,619.54
39.4	42	545,282	1,654.8	3,673,361	176,305.5	\$5,040.74	\$6,332.86
39.5	48	545,330	1,896.0	3,675,257	174,409.5	\$5,774.03	\$7,253.79
39.6	34	545,364	1,346.4	3,676,604	173,063.1	\$4,099.28	\$5,149.60
39.7	33	545,397	1,310.1	3,677,914	171,753.0	\$3,987.78	\$5,009.31
39.8	34	545,431	1,353.2	3,679,267	170,399.8	\$4,117.96	\$5,172.60
39.9	40	545,471	1,596.0	3,680,863	168,803.8	\$4,855.65	\$6,098.95
40	32	545,503	1,280.0	3,682,143	167,523.8	\$3,893.31	\$4,889.98
40.1	46	545,549	1,844.6	3,683,988	165,679.2	\$5,609.27	\$7,044.91
40.2	35	545,584	1,407.0	3,685,395	164,272.2	\$4,277.54	\$5,372.10
40.3	40	545,624	1,612.0	3,687,007	162,660.2	\$4,899.61	\$6,153.07
40.4	33	545,657	1,333.2	3,688,340	161,327.0	\$4,051.24	\$5,087.45
40.5	28	545,685	1,134.0	3,689,474	160,193.0	\$3,445.11	\$4,326.10
40.6	38	545,723	1,542.8	3,691,017	158,650.2	\$4,685.95	\$5,883.98
40.7	39	545,762	1,587.3	3,692,604	157,062.9	\$4,819.98	\$6,052.02
40.8	32	545,794	1,305.6	3,693,910	155,757.3	\$3,963.64	\$4,976.58
40.9	30	545,824	1,227.0	3,695,137	154,530.3	\$3,724.16	\$4,675.70
41	23	545,847	943.0	3,696,080	153,587.3	\$2,861.51	\$3,592.48
41.1	43	545,890	1,767.3	3,697,847	151,820.0	\$5,361.59	\$6,730.92
41.2	29	545,919	1,194.8	3,699,042	150,625.2	\$3,623.92	\$4,549.27
41.3	25	545,944	1,032.5	3,700,074	149,592.7	\$3,130.94	\$3,930.24
41.4	27	545,971	1,117.8	3,701,192	148,474.9	\$3,388.83	\$4,253.79
41.5	22	545,993	913.0	3,702,105	147,561.9	\$2,767.31	\$3,473.50
41.6	26	546,019	1,081.6	3,703,187	146,480.3	\$3,277.60	\$4,113.84
41.7	21	546,040	875.7	3,704,062	145,604.6	\$2,653.06	\$3,329.82
41.8	30	546,070	1,254.0	3,705,316	144,350.6	\$3,798.33	\$4,767.03
41.9	27	546,097	1,131.3	3,706,448	143,219.3	\$3,425.92	\$4,299.46
42	30	546,127	1,260.0	3,707,708	141,959.3	\$3,814.82	\$4,787.33
42.1	29	546,156	1,220.9	3,708,929	140,738.4	\$3,695.62	\$4,637.56
42.2	28	546,184	1,181.6	3,710,110	139,556.8	\$3,575.88	\$4,487.12
42.3	41	546,225	1,734.3	3,711,844	137,822.5	\$5,247.38	\$6,584.29
42.4	30	546,255	1,272.0	3,713,116	136,550.5	\$3,847.79	\$4,827.92
42.5	22	546,277	935.0	3,714,051	135,615.5	\$2,827.75	\$3,547.92
42.6	26	546,303	1,107.6	3,715,159	134,507.9	\$3,349.03	\$4,201.79
42.7	28	546,331	1,195.6	3,716,355	133,312.3	\$3,614.34	\$4,534.48
42.8	19	546,350	813.2	3,717,168	132,499.1	\$2,457.81	\$3,083.39
42.9	20	546,370	858.0	3,718,026	131,641.1	\$2,592.66	\$3,252.44
43	24	546,394	1,032.0	3,719,058	130,609.1	\$3,117.79	\$3,911.05
43.1	23	546,417	991.3	3,720,049	129,617.8	\$2,994.20	\$3,755.87
43.2	26	546,443	1,123.2	3,721,172	128,494.6	\$3,391.89	\$4,254.56
43.3	14	546,457	606.2	3,721,779	127,888.4	\$1,830.25	\$2,295.65
43.4	24	546,481	1,041.6	3,722,820	126,846.8	\$3,144.16	\$3,943.52
43.5	26	546,507	1,131.0	3,723,951	125,715.8	\$3,413.32	\$4,280.95
43.6	21	546,528	915.6	3,724,867	124,800.2	\$2,762.68	\$3,464.79
43.7	24	546,552	1,048.8	3,725,916	123,751.4	\$3,163.94	\$3,967.88
43.8	23	546,575	1,007.4	3,726,923	122,744.0	\$3,038.43	\$3,810.33
43.9	29	546,604	1,273.1	3,728,196	121,470.9	\$3,839.03	\$4,814.14
44	16	546,620	704.0	3,728,900	120,766.9	\$2,122.48	\$2,661.49

**RATE SCHEDULE RT (Residential - Choice)****Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
44.1	17	546,637	749.7	3,729,650	120,017.2	\$2,259.81	\$2,833.59
44.2	24	546,661	1,060.8	3,730,711	118,956.4	\$3,196.91	\$4,008.47
44.3	18	546,679	797.4	3,731,508	118,159.0	\$2,402.63	\$3,012.44
44.4	24	546,703	1,065.6	3,732,574	117,093.4	\$3,210.10	\$4,024.71
44.5	25	546,728	1,112.5	3,733,686	115,980.9	\$3,350.72	\$4,200.87
44.6	23	546,751	1,025.8	3,734,712	114,955.1	\$3,088.98	\$3,872.58
44.7	19	546,770	849.3	3,735,561	114,105.8	\$2,556.99	\$3,205.51
44.8	23	546,793	1,030.4	3,736,592	113,075.4	\$3,101.62	\$3,888.14
44.9	19	546,812	853.1	3,737,445	112,222.3	\$2,567.43	\$3,218.37
45	19	546,831	855.0	3,738,300	111,367.3	\$2,572.65	\$3,224.79
45.1	22	546,853	992.2	3,739,292	110,375.1	\$2,984.90	\$3,741.41
45.2	19	546,872	858.8	3,740,151	109,516.3	\$2,583.09	\$3,237.65
45.3	17	546,889	770.1	3,740,921	108,746.2	\$2,315.85	\$2,902.59
45.4	21	546,910	953.4	3,741,874	107,792.8	\$2,866.53	\$3,592.66
45.5	20	546,930	910.0	3,742,784	106,882.8	\$2,735.52	\$3,428.35
45.6	23	546,953	1,048.8	3,743,833	105,834.0	\$3,152.17	\$3,950.38
45.7	22	546,975	1,005.4	3,744,838	104,828.6	\$3,021.16	\$3,786.07
45.8	17	546,992	778.6	3,745,617	104,050.0	\$2,339.21	\$2,931.35
45.9	22	547,014	1,009.8	3,746,627	103,040.2	\$3,033.25	\$3,800.95
46	18	547,032	828.0	3,747,455	102,212.2	\$2,486.70	\$3,115.96
46.1	12	547,044	553.2	3,748,008	101,659.0	\$1,661.09	\$2,081.36
46.2	23	547,067	1,062.6	3,749,071	100,596.4	\$3,190.08	\$3,997.06
46.3	19	547,086	879.7	3,749,950	99,716.7	\$2,640.51	\$3,308.35
46.4	14	547,100	649.6	3,750,600	99,067.1	\$1,949.48	\$2,442.47
46.5	19	547,119	883.5	3,751,483	98,183.6	\$2,650.95	\$3,321.20
46.6	24	547,143	1,118.4	3,752,602	97,065.2	\$3,355.16	\$4,203.32
46.7	14	547,157	653.8	3,753,256	96,411.4	\$1,961.02	\$2,456.67
46.8	17	547,174	795.6	3,754,051	95,615.8	\$2,385.91	\$2,988.86
46.9	15	547,189	703.5	3,754,755	94,912.3	\$2,109.34	\$2,642.30
47	21	547,210	987.0	3,755,742	93,925.3	\$2,958.84	\$3,706.32
47.1	9	547,219	423.9	3,756,166	93,501.4	\$1,270.55	\$1,591.47
47.2	12	547,231	566.4	3,756,732	92,935.0	\$1,697.36	\$2,126.02
47.3	15	547,246	709.5	3,757,441	92,225.5	\$2,125.82	\$2,662.60
47.4	17	547,263	805.8	3,758,247	91,419.7	\$2,413.93	\$3,023.36
47.5	17	547,280	807.5	3,759,055	90,612.2	\$2,418.60	\$3,029.11
47.6	11	547,291	523.6	3,759,578	90,088.6	\$1,568.00	\$1,963.73
47.7	15	547,306	715.5	3,760,294	89,373.1	\$2,142.30	\$2,682.89
47.8	14	547,320	669.2	3,760,963	88,703.9	\$2,003.33	\$2,508.77
47.9	9	547,329	431.1	3,761,394	88,272.8	\$1,290.33	\$1,615.83
48	14	547,343	672.0	3,762,066	87,600.8	\$2,011.02	\$2,518.24
48.1	10	547,353	481.0	3,762,547	87,119.8	\$1,439.19	\$1,802.13
48.2	13	547,366	626.6	3,763,174	86,493.2	\$1,874.52	\$2,347.16
48.3	18	547,384	869.4	3,764,043	85,623.8	\$2,600.43	\$3,256.01
48.4	8	547,392	387.2	3,764,430	85,236.6	\$1,157.95	\$1,449.82
48.5	15	547,407	727.5	3,765,158	84,509.1	\$2,175.27	\$2,723.49
48.6	17	547,424	826.2	3,765,984	83,682.9	\$2,469.98	\$3,092.37
48.7	17	547,441	827.9	3,766,812	82,855.0	\$2,474.65	\$3,098.12
48.8	11	547,452	536.8	3,767,349	82,318.2	\$1,604.26	\$2,008.39
48.9	22	547,474	1,075.8	3,768,425	81,242.4	\$3,214.57	\$4,024.22

**RATE SCHEDULE RT (Residential - Choice)**

**Bill Frequency Analysis (2014-2015 MCFs)**

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
49	10	547,484	490.0	3,768,915	80,752.4	\$1,463.92	\$1,832.57
49.1	8	547,492	392.8	3,769,307	80,359.6	\$1,173.33	\$1,468.76
49.2	8	547,500	393.6	3,769,701	79,966.0	\$1,175.53	\$1,471.47
49.3	7	547,507	345.1	3,770,046	79,620.9	\$1,030.51	\$1,289.90
49.4	13	547,520	642.2	3,770,688	78,978.7	\$1,917.38	\$2,399.93
49.5	8	547,528	396.0	3,771,084	78,582.7	\$1,182.12	\$1,479.59
49.6	12	547,540	595.2	3,771,679	77,987.5	\$1,776.48	\$2,223.44
49.7	12	547,552	596.4	3,772,276	77,391.1	\$1,779.78	\$2,227.50
49.8	12	547,564	597.6	3,772,873	76,793.5	\$1,783.07	\$2,231.56
49.9	7	547,571	349.3	3,773,223	76,444.2	\$1,042.05	\$1,304.11
50	10	547,581	500.0	3,773,723	75,944.2	\$1,491.39	\$1,866.40
50.1	14	547,595	701.4	3,774,424	75,242.8	\$2,091.79	\$2,617.70
50.2	15	547,610	753.0	3,775,177	74,489.8	\$2,245.33	\$2,809.75
50.3	8	547,618	402.4	3,775,580	74,087.4	\$1,199.71	\$1,501.24
50.4	9	547,627	453.6	3,776,033	73,633.8	\$1,352.14	\$1,691.94
50.5	10	547,637	505.0	3,776,538	73,128.8	\$1,505.13	\$1,883.31
50.6	8	547,645	404.8	3,776,943	72,724.0	\$1,206.30	\$1,509.36
50.7	4	547,649	202.8	3,777,146	72,521.2	\$604.25	\$756.03
50.8	10	547,659	508.0	3,777,654	72,013.2	\$1,513.37	\$1,893.46
50.9	11	547,670	559.9	3,778,214	71,453.3	\$1,667.73	\$2,086.53
51	11	547,681	561.0	3,778,775	70,892.3	\$1,670.75	\$2,090.25
51.1	9	547,690	459.9	3,779,235	70,432.4	\$1,369.45	\$1,713.25
51.2	2	547,692	102.4	3,779,337	70,330.0	\$304.87	\$381.40
51.3	15	547,707	769.5	3,780,106	69,560.5	\$2,290.66	\$2,865.56
51.4	5	547,712	257.0	3,780,363	69,303.5	\$764.93	\$956.88
51.5	11	547,723	566.5	3,780,930	68,737.0	\$1,685.86	\$2,108.86
51.6	10	547,733	516.0	3,781,446	68,221.0	\$1,535.35	\$1,920.52
51.7	9	547,742	465.3	3,781,911	67,755.7	\$1,384.28	\$1,731.52
51.8	12	547,754	621.6	3,782,533	67,134.1	\$1,849.01	\$2,312.75
51.9	10	547,764	519.0	3,783,052	66,615.1	\$1,543.59	\$1,930.67
52	9	547,773	468.0	3,783,520	66,147.1	\$1,391.70	\$1,740.65
52.1	8	547,781	416.8	3,783,937	65,730.3	\$1,239.27	\$1,549.95
52.2	10	547,791	522.0	3,784,459	65,208.3	\$1,551.83	\$1,940.82
52.3	10	547,801	523.0	3,784,982	64,685.3	\$1,554.58	\$1,944.20
52.4	8	547,809	419.2	3,785,401	64,266.1	\$1,245.86	\$1,558.07
52.5	11	547,820	577.5	3,785,978	63,688.6	\$1,716.08	\$2,146.07
52.6	5	547,825	263.0	3,786,241	63,425.6	\$781.41	\$977.18
52.7	8	547,833	421.6	3,786,663	63,004.0	\$1,252.45	\$1,566.19
52.8	11	547,844	580.8	3,787,244	62,423.2	\$1,725.15	\$2,157.23
52.9	7	547,851	370.3	3,787,614	62,052.9	\$1,099.74	\$1,375.15
53	10	547,861	530.0	3,788,144	61,522.9	\$1,573.81	\$1,967.88
53.1	8	547,869	424.8	3,788,569	61,098.1	\$1,261.25	\$1,577.01
53.2	8	547,877	425.6	3,788,994	60,672.5	\$1,263.44	\$1,579.72
53.3	7	547,884	373.1	3,789,368	60,299.4	\$1,107.44	\$1,384.62
53.4	7	547,891	373.8	3,789,741	59,925.6	\$1,109.36	\$1,386.99
53.5	4	547,895	214.0	3,789,955	59,711.6	\$635.02	\$793.92
53.6	3	547,898	160.8	3,790,116	59,550.8	\$477.09	\$596.45
53.7	7	547,905	375.9	3,790,492	59,174.9	\$1,115.13	\$1,394.09
53.8	10	547,915	538.0	3,791,030	58,636.9	\$1,595.79	\$1,994.95

**RATE SCHEDULE RT (Residential - Choice)**

**Bill Frequency Analysis (2014-2015 MCFs)**

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
53.9	3	547,918	161.7	3,791,192	58,475.2	\$479.56	\$599.50
54	10	547,928	540.0	3,791,732	57,935.2	\$1,601.28	\$2,001.71
54.1	4	547,932	216.4	3,791,948	57,718.8	\$641.61	\$802.04
54.2	5	547,937	271.0	3,792,219	57,447.8	\$803.39	\$1,004.24
54.3	7	547,944	380.1	3,792,599	57,067.7	\$1,126.67	\$1,408.30
54.4	4	547,948	217.6	3,792,817	56,850.1	\$644.91	\$806.10
54.5	7	547,955	381.5	3,793,198	56,468.6	\$1,130.51	\$1,413.04
54.6	6	547,961	327.6	3,793,526	56,141.0	\$970.66	\$1,213.21
54.7	4	547,965	218.8	3,793,745	55,922.2	\$648.21	\$810.16
54.8	2	547,967	109.6	3,793,854	55,812.6	\$324.65	\$405.75
54.9	8	547,975	439.2	3,794,294	55,373.4	\$1,300.81	\$1,625.73
55	4	547,979	220.0	3,794,514	55,153.4	\$651.50	\$814.22
55.1	9	547,988	495.9	3,795,009	54,657.5	\$1,468.35	\$1,835.03
55.2	7	547,995	386.4	3,795,396	54,271.1	\$1,143.97	\$1,429.61
55.3	8	548,003	442.4	3,795,838	53,828.7	\$1,309.60	\$1,636.55
55.4	6	548,009	332.4	3,796,171	53,496.3	\$983.85	\$1,229.44
55.5	5	548,014	277.5	3,796,448	53,218.8	\$821.25	\$1,026.23
55.6	4	548,018	222.4	3,796,671	52,996.4	\$658.10	\$822.33
55.7	3	548,021	167.1	3,796,838	52,829.3	\$494.40	\$617.77
55.8	3	548,024	167.4	3,797,005	52,661.9	\$495.22	\$618.78
55.9	5	548,029	279.5	3,797,285	52,382.4	\$826.74	\$1,032.99
56	6	548,035	336.0	3,797,621	52,046.4	\$993.74	\$1,241.62
56.1	5	548,040	280.5	3,797,901	51,765.9	\$829.49	\$1,036.38
56.2	2	548,042	112.4	3,798,013	51,653.5	\$332.34	\$415.23
56.3	4	548,046	225.2	3,798,239	51,428.3	\$665.79	\$831.81
56.4	7	548,053	394.8	3,798,633	51,033.5	\$1,167.05	\$1,458.03
56.5	2	548,055	113.0	3,798,746	50,920.5	\$333.99	\$417.26
56.6	6	548,061	339.6	3,799,086	50,580.9	\$1,003.63	\$1,253.80
56.7	7	548,068	396.9	3,799,483	50,184.0	\$1,172.82	\$1,465.13
56.8	4	548,072	227.2	3,799,710	49,956.8	\$671.28	\$838.57
56.9	9	548,081	512.1	3,800,222	49,444.7	\$1,512.86	\$1,889.83
57	4	548,085	228.0	3,800,450	49,216.7	\$673.48	\$841.28
57.1	6	548,091	342.6	3,800,793	48,874.1	\$1,011.87	\$1,263.95
57.2	8	548,099	457.6	3,801,250	48,416.5	\$1,351.36	\$1,687.97
57.3	5	548,104	286.5	3,801,537	48,130.0	\$845.97	\$1,056.67
57.4	6	548,110	344.4	3,801,881	47,785.6	\$1,016.81	\$1,270.04
57.5	4	548,114	230.0	3,802,111	47,555.6	\$678.98	\$848.04
57.6	5	548,119	288.0	3,802,399	47,267.6	\$850.09	\$1,061.75
57.7	6	548,125	346.2	3,802,746	46,921.4	\$1,021.76	\$1,276.13
57.8	2	548,127	115.6	3,802,861	46,805.8	\$341.14	\$426.05
57.9	5	548,132	289.5	3,803,151	46,516.3	\$854.21	\$1,066.82
58	9	548,141	522.0	3,803,673	45,994.3	\$1,540.06	\$1,923.32
58.1	2	548,143	116.2	3,803,789	45,878.1	\$342.78	\$428.08
58.2	2	548,145	116.4	3,803,905	45,761.7	\$343.33	\$428.76
58.3	5	548,150	291.5	3,804,197	45,470.2	\$859.71	\$1,073.59
58.4	10	548,160	584.0	3,804,781	44,886.2	\$1,722.16	\$2,150.56
58.5	7	548,167	409.5	3,805,190	44,476.7	\$1,207.44	\$1,507.76
58.6	1	548,168	58.6	3,805,249	44,418.1	\$172.77	\$215.73
58.7	7	548,175	410.9	3,805,660	44,007.2	\$1,211.28	\$1,512.49

**RATE SCHEDULE RT (Residential - Choice)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
58.8	6	548,181	352.8	3,806,013	43,654.4	\$1,039.89	\$1,298.45
58.9	6	548,187	353.4	3,806,366	43,301.0	\$1,041.54	\$1,300.48
59	3	548,190	177.0	3,806,543	43,124.0	\$521.59	\$651.26
59.1	6	548,196	354.6	3,806,898	42,769.4	\$1,044.84	\$1,304.54
59.2	4	548,200	236.8	3,807,134	42,532.6	\$697.66	\$871.05
59.3	4	548,204	237.2	3,807,372	42,295.4	\$698.76	\$872.40
59.4	4	548,208	237.6	3,807,609	42,057.8	\$699.85	\$873.75
59.5	5	548,213	297.5	3,807,907	41,760.3	\$876.19	\$1,093.88
59.6	5	548,218	298.0	3,808,205	41,462.3	\$877.57	\$1,095.57
59.7	5	548,223	298.5	3,808,503	41,163.8	\$878.94	\$1,097.27
59.8	5	548,228	299.0	3,808,802	40,864.8	\$880.31	\$1,098.96
59.9	3	548,231	179.7	3,808,982	40,685.1	\$529.01	\$660.39
60	6	548,237	360.0	3,809,342	40,325.1	\$1,059.67	\$1,322.81
60.1	4	548,241	240.4	3,809,582	40,084.7	\$707.55	\$883.23
60.2	3	548,244	180.6	3,809,763	39,904.1	\$531.48	\$663.43
60.3	3	548,247	180.9	3,809,944	39,723.2	\$532.31	\$664.45
60.4	6	548,253	362.4	3,810,306	39,360.8	\$1,066.27	\$1,330.93
60.5	4	548,257	242.0	3,810,548	39,118.8	\$711.94	\$888.64
60.6	5	548,262	303.0	3,810,851	38,815.8	\$891.30	\$1,112.49
60.7	3	548,265	182.1	3,811,033	38,633.7	\$535.61	\$668.51
60.8	2	548,267	121.6	3,811,155	38,512.1	\$357.62	\$446.35
60.9	2	548,269	121.8	3,811,277	38,390.3	\$358.17	\$447.03
61	5	548,274	305.0	3,811,582	38,085.3	\$896.80	\$1,119.25
61.1	6	548,280	366.6	3,811,948	37,718.7	\$1,077.80	\$1,345.13
61.2	1	548,281	61.2	3,812,009	37,657.5	\$179.91	\$224.53
61.3	2	548,283	122.6	3,812,132	37,534.9	\$360.37	\$449.73
61.4	6	548,289	368.4	3,812,500	37,166.5	\$1,082.75	\$1,351.22
61.5	5	548,294	307.5	3,812,808	36,859.0	\$903.66	\$1,127.71
61.6	1	548,295	61.6	3,812,870	36,797.4	\$181.01	\$225.88
61.7	1	548,296	61.7	3,812,931	36,735.7	\$181.28	\$226.22
61.8	3	548,299	185.4	3,813,117	36,550.3	\$544.67	\$679.67
61.9	4	548,303	247.6	3,813,364	36,302.7	\$727.33	\$907.58
62	3	548,306	186.0	3,813,550	36,116.7	\$546.32	\$681.70
62.1	3	548,309	186.3	3,813,737	35,930.4	\$547.14	\$682.72
62.2	1	548,310	62.2	3,813,799	35,868.2	\$182.66	\$227.91
62.3	3	548,313	186.9	3,813,986	35,681.3	\$548.79	\$684.75
62.4	5	548,318	312.0	3,814,298	35,369.3	\$916.03	\$1,142.93
62.6	2	548,320	125.2	3,814,423	35,244.1	\$367.51	\$458.53
62.7	4	548,324	250.8	3,814,674	34,993.3	\$736.12	\$918.41
62.8	4	548,328	251.2	3,814,925	34,742.1	\$737.22	\$919.76
62.9	5	548,333	314.5	3,815,239	34,427.6	\$922.90	\$1,151.39
63	4	548,337	252.0	3,815,491	34,175.6	\$739.42	\$922.47
63.1	4	548,341	252.4	3,815,744	33,923.2	\$740.51	\$923.82
63.2	3	548,344	189.6	3,815,933	33,733.6	\$556.21	\$693.88
63.3	6	548,350	379.8	3,816,313	33,353.8	\$1,114.07	\$1,389.79
63.4	2	548,352	126.8	3,816,440	33,227.0	\$371.91	\$463.94
63.5	1	548,353	63.5	3,816,503	33,163.5	\$186.23	\$232.31
63.6	3	548,356	190.8	3,816,694	32,972.7	\$559.51	\$697.94
63.7	3	548,359	191.1	3,816,885	32,781.6	\$560.33	\$698.95

**RATE SCHEDULE RT (Residential - Choice)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
63.8	5	548,364	319.0	3,817,204	32,462.6	\$935.26	\$1,166.61
63.9	3	548,367	191.7	3,817,396	32,270.9	\$561.98	\$700.98
64	2	548,369	128.0	3,817,524	32,142.9	\$375.20	\$468.00
64.1	1	548,370	64.1	3,817,588	32,078.8	\$187.88	\$234.34
64.2	1	548,371	64.2	3,817,652	32,014.6	\$188.15	\$234.68
64.3	3	548,374	192.9	3,817,845	31,821.7	\$565.28	\$705.04
64.4	2	548,376	128.8	3,817,974	31,692.9	\$377.40	\$470.70
64.5	1	548,377	64.5	3,818,039	31,628.4	\$188.97	\$235.69
64.6	2	548,379	129.2	3,818,168	31,499.2	\$378.50	\$472.06
64.7	4	548,383	258.8	3,818,427	31,240.4	\$758.10	\$945.47
64.8	1	548,384	64.8	3,818,491	31,175.6	\$189.80	\$236.71
64.9	1	548,385	64.9	3,818,556	31,110.7	\$190.07	\$237.04
65.1	1	548,386	65.1	3,818,621	31,045.6	\$190.62	\$237.72
65.3	1	548,387	65.3	3,818,687	30,980.3	\$191.17	\$238.40
65.4	2	548,389	130.8	3,818,817	30,849.5	\$382.89	\$477.47
65.5	3	548,392	196.5	3,819,014	30,653.0	\$575.17	\$717.22
65.6	2	548,394	131.2	3,819,145	30,521.8	\$383.99	\$478.82
65.7	3	548,397	197.1	3,819,342	30,324.7	\$576.81	\$719.25
65.8	3	548,400	197.4	3,819,540	30,127.3	\$577.64	\$720.26
65.9	4	548,404	263.6	3,819,803	29,863.7	\$771.28	\$961.71
66	2	548,406	132.0	3,819,935	29,731.7	\$386.19	\$481.53
66.1	2	548,408	132.2	3,820,067	29,599.5	\$386.74	\$482.21
66.2	1	548,409	66.2	3,820,134	29,533.3	\$193.65	\$241.44
66.3	3	548,412	198.9	3,820,333	29,334.4	\$581.76	\$725.34
66.4	2	548,414	132.8	3,820,465	29,201.6	\$388.39	\$484.24
66.5	2	548,416	133.0	3,820,598	29,068.6	\$388.94	\$484.91
66.6	3	548,419	199.8	3,820,798	28,868.8	\$584.23	\$728.38
66.7	4	548,423	266.8	3,821,065	28,602.0	\$780.08	\$972.53
66.8	2	548,425	133.6	3,821,199	28,468.4	\$390.59	\$486.94
66.9	5	548,430	334.5	3,821,533	28,133.9	\$977.84	\$1,219.05
67	3	548,433	201.0	3,821,734	27,932.9	\$587.53	\$732.44
67.1	1	548,434	67.1	3,821,801	27,865.8	\$196.12	\$244.49
67.2	1	548,435	67.2	3,821,868	27,798.6	\$196.39	\$244.82
67.3	3	548,438	201.9	3,822,070	27,596.7	\$590.00	\$735.49
67.5	1	548,439	67.5	3,822,138	27,529.2	\$197.22	\$245.84
67.6	3	548,442	202.8	3,822,341	27,326.4	\$592.47	\$738.53
67.7	1	548,443	67.7	3,822,408	27,258.7	\$197.77	\$246.52
67.8	2	548,445	135.6	3,822,544	27,123.1	\$396.08	\$493.71
67.9	1	548,446	67.9	3,822,612	27,055.2	\$198.32	\$247.19
68	2	548,448	136.0	3,822,748	26,919.2	\$397.18	\$495.06
68.1	1	548,449	68.1	3,822,816	26,851.1	\$198.87	\$247.87
68.2	1	548,450	68.2	3,822,884	26,782.9	\$199.14	\$248.21
68.4	2	548,452	136.8	3,823,021	26,646.1	\$399.38	\$497.77
68.5	5	548,457	342.5	3,823,363	26,303.6	\$999.82	\$1,246.11
68.6	2	548,459	137.2	3,823,501	26,166.4	\$400.48	\$499.12
68.8	4	548,463	275.2	3,823,776	25,891.2	\$803.15	\$1,000.95
68.9	2	548,465	137.8	3,823,914	25,753.4	\$402.13	\$501.15
69	5	548,470	345.0	3,824,259	25,408.4	\$1,006.69	\$1,254.57
69.1	2	548,472	138.2	3,824,397	25,270.2	\$403.22	\$502.50



**RATE SCHEDULE RT (Residential - Choice)**

**Bill Frequency Analysis (2014-2015 MCFs)**

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
69.2	2	548,474	138.4	3,824,535	25,131.8	\$403.77	\$503.18
69.3	3	548,477	207.9	3,824,743	24,923.9	\$606.49	\$755.78
69.4	2	548,479	138.8	3,824,882	24,785.1	\$404.87	\$504.53
69.5	1	548,480	69.5	3,824,951	24,715.6	\$202.71	\$252.60
69.6	2	548,482	139.2	3,825,091	24,576.4	\$405.97	\$505.89
69.8	2	548,484	139.6	3,825,230	24,436.8	\$407.07	\$507.24
69.9	1	548,485	69.9	3,825,300	24,366.9	\$203.81	\$253.96
70	1	548,486	70.0	3,825,370	24,296.9	\$204.09	\$254.30
70.1	2	548,488	140.2	3,825,510	24,156.7	\$408.72	\$509.27
70.2	1	548,489	70.2	3,825,580	24,086.5	\$204.63	\$254.97
70.3	3	548,492	210.9	3,825,791	23,875.6	\$614.73	\$765.93
70.4	2	548,494	140.8	3,825,932	23,734.8	\$410.37	\$511.30
70.7	2	548,496	141.4	3,826,074	23,593.4	\$412.02	\$513.33
70.8	1	548,497	70.8	3,826,144	23,522.6	\$206.28	\$257.00
70.9	2	548,499	141.8	3,826,286	23,380.8	\$413.12	\$514.68
71.1	2	548,501	142.2	3,826,428	23,238.6	\$414.21	\$516.03
71.3	1	548,502	71.3	3,826,500	23,167.3	\$207.66	\$258.69
71.4	1	548,503	71.4	3,826,571	23,095.9	\$207.93	\$259.03
71.5	1	548,504	71.5	3,826,643	23,024.4	\$208.21	\$259.37
71.7	3	548,507	215.1	3,826,858	22,809.3	\$626.27	\$780.14
71.8	1	548,508	71.8	3,826,929	22,737.5	\$209.03	\$260.39
71.9	1	548,509	71.9	3,827,001	22,665.6	\$209.30	\$260.72
72	2	548,511	144.0	3,827,145	22,521.6	\$419.16	\$522.12
72.1	1	548,512	72.1	3,827,217	22,449.5	\$209.85	\$261.40
72.2	2	548,514	144.4	3,827,362	22,305.1	\$420.26	\$523.48
72.3	2	548,516	144.6	3,827,506	22,160.5	\$420.81	\$524.15
72.4	2	548,518	144.8	3,827,651	22,015.7	\$421.36	\$524.83
72.5	2	548,520	145.0	3,827,796	21,870.7	\$421.91	\$525.51
72.6	1	548,521	72.6	3,827,869	21,798.1	\$211.23	\$263.09
72.8	4	548,525	291.2	3,828,160	21,506.9	\$847.11	\$1,055.07
73	1	548,526	73.0	3,828,233	21,433.9	\$212.33	\$264.44
73.1	2	548,528	146.2	3,828,379	21,287.7	\$425.20	\$529.57
73.3	3	548,531	219.9	3,828,599	21,067.8	\$639.45	\$796.38
73.4	2	548,533	146.8	3,828,746	20,921.0	\$426.85	\$531.60
73.5	1	548,534	73.5	3,828,819	20,847.5	\$213.70	\$266.14
73.7	5	548,539	368.5	3,829,188	20,479.0	\$1,071.25	\$1,334.06
73.8	3	548,542	221.4	3,829,409	20,257.6	\$643.57	\$801.45
73.9	2	548,544	147.8	3,829,557	20,109.8	\$429.60	\$534.98
74	2	548,546	148.0	3,829,705	19,961.8	\$430.15	\$535.65
74.2	4	548,550	296.8	3,830,002	19,665.0	\$862.49	\$1,074.02
74.3	3	548,553	222.9	3,830,225	19,442.1	\$647.70	\$806.53
74.5	2	548,555	149.0	3,830,374	19,293.1	\$432.90	\$539.04
74.7	1	548,556	74.7	3,830,449	19,218.4	\$217.00	\$270.20
74.9	1	548,557	74.9	3,830,523	19,143.5	\$217.55	\$270.87
75	1	548,558	75.0	3,830,598	19,068.5	\$217.82	\$271.21
75.1	2	548,560	150.2	3,830,749	18,918.3	\$436.19	\$543.10
75.2	2	548,562	150.4	3,830,899	18,767.9	\$436.74	\$543.77
75.3	1	548,563	75.3	3,830,974	18,692.6	\$218.65	\$272.22
75.7	1	548,564	75.7	3,831,050	18,616.9	\$219.74	\$273.58

**RATE SCHEDULE RT (Residential - Choice)**

**Bill Frequency Analysis (2014-2015 MCFs)**

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
75.8	1	548,565	75.8	3,831,126	18,541.1	\$220.02	\$273.92
75.9	1	548,566	75.9	3,831,202	18,465.2	\$220.29	\$274.25
76	3	548,569	228.0	3,831,430	18,237.2	\$661.71	\$823.78
76.1	2	548,571	152.2	3,831,582	18,085.0	\$441.69	\$549.86
76.2	1	548,572	76.2	3,831,658	18,008.8	\$221.12	\$275.27
76.3	3	548,575	228.9	3,831,887	17,779.9	\$664.18	\$826.82
76.5	2	548,577	153.0	3,832,040	17,626.9	\$443.88	\$552.57
76.6	1	548,578	76.6	3,832,117	17,550.3	\$222.22	\$276.62
76.7	1	548,579	76.7	3,832,193	17,473.6	\$222.49	\$276.96
76.9	3	548,582	230.7	3,832,424	17,242.9	\$669.12	\$832.91
77	2	548,584	154.0	3,832,578	17,088.9	\$446.63	\$555.95
77.2	1	548,585	77.2	3,832,655	17,011.7	\$223.87	\$278.65
77.3	2	548,587	154.6	3,832,810	16,857.1	\$448.28	\$557.98
77.4	1	548,588	77.4	3,832,887	16,779.7	\$224.42	\$279.33
77.5	2	548,590	155.0	3,833,042	16,624.7	\$449.38	\$559.33
77.7	2	548,592	155.4	3,833,198	16,469.3	\$450.48	\$560.69
78	1	548,593	78.0	3,833,276	16,391.3	\$226.06	\$281.36
78.1	1	548,594	78.1	3,833,354	16,313.2	\$226.34	\$281.70
78.8	1	548,595	78.8	3,833,433	16,234.4	\$228.26	\$284.06
79	1	548,596	79.0	3,833,512	16,155.4	\$228.81	\$284.74
79.1	1	548,597	79.1	3,833,591	16,076.3	\$229.09	\$285.08
79.3	2	548,599	158.6	3,833,749	15,917.7	\$459.27	\$571.51
79.7	1	548,600	79.7	3,833,829	15,838.0	\$230.73	\$287.11
79.8	1	548,601	79.8	3,833,909	15,758.2	\$231.01	\$287.45
80	2	548,603	160.0	3,834,069	15,598.2	\$463.12	\$576.25
80.1	1	548,604	80.1	3,834,149	15,518.1	\$231.83	\$288.46
80.2	1	548,605	80.2	3,834,229	15,437.9	\$232.11	\$288.80
80.4	1	548,606	80.4	3,834,309	15,357.5	\$232.66	\$289.48
80.6	2	548,608	161.2	3,834,471	15,196.3	\$466.41	\$580.31
80.7	1	548,609	80.7	3,834,551	15,115.6	\$233.48	\$290.49
81	1	548,610	81.0	3,834,632	15,034.6	\$234.31	\$291.51
81.1	1	548,611	81.1	3,834,713	14,953.5	\$234.58	\$291.85
81.4	4	548,615	325.6	3,835,039	14,627.9	\$941.62	\$1,171.44
81.8	1	548,616	81.8	3,835,121	14,546.1	\$236.50	\$294.21
81.9	1	548,617	81.9	3,835,203	14,464.2	\$236.78	\$294.55
82.1	1	548,618	82.1	3,835,285	14,382.1	\$237.33	\$295.23
82.6	1	548,619	82.6	3,835,367	14,299.5	\$238.70	\$296.92
83.2	2	548,621	166.4	3,835,534	14,133.1	\$480.70	\$597.90
83.5	1	548,622	83.5	3,835,617	14,049.6	\$241.17	\$299.96
83.7	1	548,623	83.7	3,835,701	13,965.9	\$241.72	\$300.64
83.8	1	548,624	83.8	3,835,785	13,882.1	\$242.00	\$300.98
84.1	1	548,625	84.1	3,835,869	13,798.0	\$242.82	\$301.99
84.2	1	548,626	84.2	3,835,953	13,713.8	\$243.10	\$302.33
84.3	4	548,630	337.2	3,836,290	13,376.6	\$973.49	\$1,210.68
84.4	2	548,632	168.8	3,836,459	13,207.8	\$487.29	\$606.02
84.6	1	548,633	84.6	3,836,544	13,123.2	\$244.20	\$303.68
84.7	1	548,634	84.7	3,836,628	13,038.5	\$244.47	\$304.02
84.8	1	548,635	84.8	3,836,713	12,953.7	\$244.75	\$304.36
84.9	3	548,638	254.7	3,836,968	12,699.0	\$735.06	\$914.10

**RATE SCHEDULE RT (Residential - Choice)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
85.4	1	548,639	85.4	3,837,053	12,613.6	\$246.39	\$306.39
85.5	1	548,640	85.5	3,837,139	12,528.1	\$246.67	\$306.73
85.6	2	548,642	171.2	3,837,310	12,356.9	\$493.89	\$614.14
85.8	1	548,643	85.8	3,837,396	12,271.1	\$247.49	\$307.74
86	1	548,644	86.0	3,837,482	12,185.1	\$248.04	\$308.42
86.5	1	548,645	86.5	3,837,568	12,098.6	\$249.42	\$310.11
86.8	1	548,646	86.8	3,837,655	12,011.8	\$250.24	\$311.13
87.1	2	548,648	174.2	3,837,829	11,837.6	\$502.13	\$624.28
87.3	2	548,650	174.6	3,838,004	11,663.0	\$503.23	\$625.64
87.6	2	548,652	175.2	3,838,179	11,487.8	\$504.87	\$627.67
87.7	1	548,653	87.7	3,838,267	11,400.1	\$252.71	\$314.17
87.8	1	548,654	87.8	3,838,355	11,312.3	\$252.99	\$314.51
88.1	1	548,655	88.1	3,838,443	11,224.2	\$253.81	\$315.52
88.2	2	548,657	176.4	3,838,619	11,047.8	\$508.17	\$631.73
88.3	1	548,658	88.3	3,838,707	10,959.5	\$254.36	\$316.20
88.5	1	548,659	88.5	3,838,796	10,871.0	\$254.91	\$316.88
88.6	1	548,660	88.6	3,838,885	10,782.4	\$255.18	\$317.22
88.8	1	548,661	88.8	3,838,973	10,693.6	\$255.73	\$317.89
89.1	1	548,662	89.1	3,839,062	10,604.5	\$256.56	\$318.91
89.8	2	548,664	179.6	3,839,242	10,424.9	\$516.96	\$642.55
89.9	1	548,665	89.9	3,839,332	10,335.0	\$258.76	\$321.61
90.4	2	548,667	180.8	3,839,513	10,154.2	\$520.26	\$646.61
90.7	2	548,669	181.4	3,839,694	9,972.8	\$521.91	\$648.64
90.9	1	548,670	90.9	3,839,785	9,881.9	\$261.50	\$325.00
91.2	1	548,671	91.2	3,839,876	9,790.7	\$262.33	\$326.01
91.3	1	548,672	91.3	3,839,968	9,699.4	\$262.60	\$326.35
92.5	1	548,673	92.5	3,840,060	9,606.9	\$265.90	\$330.41
92.6	1	548,674	92.6	3,840,153	9,514.3	\$266.17	\$330.75
93.1	1	548,675	93.1	3,840,246	9,421.2	\$267.55	\$332.44
93.4	2	548,677	186.8	3,840,433	9,234.4	\$536.74	\$666.91
93.6	1	548,678	93.6	3,840,526	9,140.8	\$268.92	\$334.13
94.5	1	548,679	94.5	3,840,621	9,046.3	\$271.39	\$337.17
94.6	1	548,680	94.6	3,840,715	8,951.7	\$271.67	\$337.51
94.9	1	548,681	94.9	3,840,810	8,856.8	\$272.49	\$338.53
95.4	1	548,682	95.4	3,840,906	8,761.4	\$273.87	\$340.22
95.5	1	548,683	95.5	3,841,001	8,665.9	\$274.14	\$340.56
96.1	1	548,684	96.1	3,841,097	8,569.8	\$275.79	\$342.59
96.4	1	548,685	96.4	3,841,194	8,473.4	\$276.61	\$343.60
96.5	2	548,687	193.0	3,841,387	8,280.4	\$553.78	\$687.88
97	2	548,689	194.0	3,841,581	8,086.4	\$556.52	\$691.26
97.2	1	548,690	97.2	3,841,678	7,989.2	\$278.81	\$346.31
97.6	1	548,691	97.6	3,841,775	7,891.6	\$279.91	\$347.66
98	2	548,693	196.0	3,841,971	7,695.6	\$562.02	\$698.03
98.9	1	548,694	98.9	3,842,070	7,596.7	\$283.48	\$352.06
99	1	548,695	99.0	3,842,169	7,497.7	\$283.76	\$352.40
100.9	1	548,696	100.9	3,842,270	7,396.8	\$288.98	\$358.82
102.1	1	548,697	102.1	3,842,372	7,294.7	\$292.27	\$362.88
103.4	1	548,698	103.4	3,842,476	7,191.3	\$295.84	\$367.28
103.7	1	548,699	103.7	3,842,579	7,087.6	\$296.67	\$368.30

**RATE SCHEDULE RT (Residential - Choice)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
103.9	1	548,700	103.9	3,842,683	6,983.7	\$297.22	\$368.97
104.1	1	548,701	104.1	3,842,787	6,879.6	\$297.77	\$369.65
106.3	1	548,702	106.3	3,842,894	6,773.3	\$303.81	\$377.09
106.7	1	548,703	106.7	3,843,000	6,666.6	\$304.91	\$378.44
106.9	1	548,704	106.9	3,843,107	6,559.7	\$305.46	\$379.12
107.2	2	548,706	214.4	3,843,322	6,345.3	\$612.57	\$760.27
107.9	1	548,707	107.9	3,843,430	6,237.4	\$308.21	\$382.50
108	2	548,709	216.0	3,843,646	6,021.4	\$616.96	\$765.68
108.1	1	548,710	108.1	3,843,754	5,913.3	\$308.76	\$383.18
108.8	1	548,711	108.8	3,843,862	5,804.5	\$310.68	\$385.55
108.9	1	548,712	108.9	3,843,971	5,695.6	\$310.95	\$385.89
109	1	548,713	109.0	3,844,080	5,586.6	\$311.23	\$386.23
109.5	1	548,714	109.5	3,844,190	5,477.1	\$312.60	\$387.92
109.8	1	548,715	109.8	3,844,300	5,367.3	\$313.43	\$388.93
110.1	1	548,716	110.1	3,844,410	5,257.2	\$314.25	\$389.95
110.4	1	548,717	110.4	3,844,520	5,146.8	\$315.08	\$390.96
110.7	1	548,718	110.7	3,844,631	5,036.1	\$315.90	\$391.98
111.5	1	548,719	111.5	3,844,742	4,924.6	\$318.10	\$394.68
112.2	1	548,720	112.2	3,844,855	4,812.4	\$320.02	\$397.05
114.2	1	548,721	114.2	3,844,969	4,698.2	\$325.52	\$403.82
114.3	1	548,722	114.3	3,845,083	4,583.9	\$325.79	\$404.15
114.7	1	548,723	114.7	3,845,198	4,469.2	\$326.89	\$405.51
116.1	1	548,724	116.1	3,845,314	4,353.1	\$330.74	\$410.24
116.8	1	548,725	116.8	3,845,431	4,236.3	\$332.66	\$412.61
118.1	1	548,726	118.1	3,845,549	4,118.2	\$336.23	\$417.01
119.7	1	548,727	119.7	3,845,668	3,998.5	\$340.63	\$422.42
121.7	1	548,728	121.7	3,845,790	3,876.8	\$346.12	\$429.19
122.3	1	548,729	122.3	3,845,912	3,754.5	\$347.77	\$431.22
123.2	1	548,730	123.2	3,846,036	3,631.3	\$350.24	\$434.26
124	1	548,731	124.0	3,846,160	3,507.3	\$352.44	\$436.97
125.7	2	548,733	251.4	3,846,411	3,255.9	\$714.22	\$885.44
127.5	1	548,734	127.5	3,846,539	3,128.4	\$362.05	\$448.81
128.7	1	548,735	128.7	3,846,667	2,999.7	\$365.35	\$452.87
130.5	1	548,736	130.5	3,846,798	2,869.2	\$370.30	\$458.96
135.3	1	548,737	135.3	3,846,933	2,733.9	\$383.48	\$475.19
136.2	1	548,738	136.2	3,847,069	2,597.7	\$385.96	\$478.24
136.4	1	548,739	136.4	3,847,206	2,461.3	\$386.51	\$478.91
136.9	2	548,741	273.8	3,847,479	2,187.5	\$775.76	\$961.21
137.9	1	548,742	137.9	3,847,617	2,049.6	\$390.63	\$483.99
138.2	1	548,743	138.2	3,847,756	1,911.4	\$391.45	\$485.00
144.3	1	548,744	144.3	3,847,900	1,767.1	\$408.21	\$505.64
149.1	1	548,745	149.1	3,848,049	1,618.0	\$421.40	\$521.88
155.7	1	548,746	155.7	3,848,205	1,462.3	\$439.53	\$544.20
167.4	1	548,747	167.4	3,848,372	1,294.9	\$471.67	\$583.78
167.6	1	548,748	167.6	3,848,540	1,127.3	\$472.22	\$584.46
183.6	1	548,749	183.6	3,848,723	943.7	\$516.18	\$638.58
210.2	2	548,751	420.4	3,849,144	523.3	\$1,178.51	\$1,457.13
261.6	1	548,752	261.6	3,849,405	261.7	\$730.47	\$902.44
261.7	1	548,753	261.7	3,849,667	0.0	\$730.74	\$902.78

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
0	63502	63,502	-	-	10,471,136.7	\$542,942.10	\$2,032,064.00
0.1	8929	72,431	892.9	893	10,470,243.8	\$83,797.24	\$292,890.75
0.2	4714	77,145	942.8	1,836	10,469,301.0	\$48,175.57	\$158,411.05
0.3	4649	81,794	1,394.7	3,230	10,467,906.3	\$51,392.46	\$159,956.14
0.4	4543	86,337	1,817.2	5,048	10,466,089.1	\$54,013.36	\$159,953.40
0.5	3866	90,203	1,933.0	6,981	10,464,156.1	\$49,191.76	\$139,218.33
0.6	3976	94,179	2,385.6	9,366	10,461,770.5	\$53,910.74	\$146,369.04
0.7	3890	98,069	2,723.0	12,089	10,459,047.5	\$55,992.19	\$146,323.63
0.8	3818	101,887	3,054.4	15,144	10,455,993.1	\$58,143.25	\$146,678.09
0.9	3270	105,157	2,943.0	18,087	10,453,050.1	\$52,527.84	\$128,248.45
1	2948	108,105	2,948.0	21,035	10,450,102.1	\$49,816.48	\$117,984.56
1.1	2502	110,607	2,752.2	23,787	10,447,349.9	\$44,368.57	\$102,141.87
1.2	2434	113,041	2,920.8	26,708	10,444,429.1	\$45,194.71	\$101,318.37
1.3	2261	115,302	2,939.3	29,647	10,441,489.8	\$43,870.00	\$95,930.77
1.4	2037	117,339	2,851.8	32,499	10,438,638.0	\$41,224.32	\$88,060.85
1.5	2100	119,439	3,150.0	35,649	10,435,488.0	\$44,252.46	\$92,468.99
1.6	2027	121,466	3,243.2	38,892	10,432,244.8	\$44,406.38	\$90,880.63
1.7	1942	123,408	3,301.4	42,193	10,428,943.4	\$44,165.51	\$88,627.50
1.8	1825	125,233	3,285.0	45,478	10,425,658.4	\$43,028.24	\$84,751.94
1.9	1829	127,062	3,475.1	48,953	10,422,183.3	\$44,649.47	\$86,404.90
2	1846	128,908	3,692.0	52,645	10,418,491.3	\$46,605.59	\$88,688.85
2.1	1640	130,548	3,444.0	56,089	10,415,047.3	\$42,773.89	\$80,107.42
2.2	1563	132,111	3,438.6	59,528	10,411,608.7	\$42,070.46	\$77,600.11
2.3	1317	133,428	3,029.1	62,557	10,408,579.6	\$36,548.49	\$66,443.14
2.4	1446	134,874	3,470.4	66,028	10,405,109.2	\$41,335.59	\$74,111.20
2.5	1352	136,226	3,380.0	69,408	10,401,729.2	\$39,777.19	\$70,378.02
2.6	1419	137,645	3,689.4	73,097	10,398,039.8	\$42,933.04	\$75,004.00
2.7	1322	138,967	3,569.4	76,666	10,394,470.4	\$41,101.88	\$70,937.37
2.8	1294	140,261	3,623.2	80,290	10,390,847.2	\$41,311.62	\$70,472.95
2.9	1220	141,481	3,538.0	83,828	10,387,309.2	\$39,967.64	\$67,421.48
3	1309	142,790	3,927.0	87,755	10,383,382.2	\$43,976.12	\$73,390.00
3.1	1180	143,970	3,658.0	91,413	10,379,724.2	\$40,627.45	\$67,104.11
3.2	1028	144,998	3,289.6	94,702	10,376,434.6	\$36,252.30	\$59,284.84
3.3	1136	146,134	3,748.8	98,451	10,372,685.8	\$41,009.28	\$66,424.50
3.4	1150	147,284	3,910.0	102,361	10,368,775.8	\$42,474.74	\$68,165.63
3.5	1101	148,385	3,853.5	106,214	10,364,922.3	\$41,584.11	\$66,144.39
3.6	1070	149,455	3,852.0	110,066	10,361,070.3	\$41,306.54	\$65,140.36
3.7	1043	150,498	3,859.1	113,926	10,357,211.2	\$41,134.96	\$64,333.31
3.8	962	151,460	3,655.6	117,581	10,353,555.6	\$38,743.51	\$60,108.86
3.9	997	152,457	3,888.3	121,469	10,349,667.3	\$40,985.43	\$63,095.55
4	1050	153,507	4,200.0	125,669	10,345,467.3	\$44,040.78	\$67,291.98
4.1	924	154,431	3,788.4	129,458	10,341,678.9	\$39,527.28	\$59,958.17
4.2	896	155,327	3,763.2	133,221	10,337,915.7	\$39,077.50	\$58,860.01
4.3	907	156,234	3,900.1	137,121	10,334,015.6	\$40,314.44	\$60,310.21
4.4	961	157,195	4,228.4	141,350	10,329,787.2	\$43,516.92	\$64,671.80
4.5	888	158,083	3,996.0	145,346	10,325,791.2	\$40,952.61	\$60,471.51

## RATE SCHEDULE N (Commerical/Industrial)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
4.6	863	158,946	3,969.8	149,315	10,321,821.4	\$40,520.13	\$59,461.34
4.7	856	159,802	4,023.2	153,339	10,317,798.2	\$40,906.08	\$59,665.71
4.8	819	160,621	3,931.2	157,270	10,313,867.0	\$39,821.68	\$57,743.69
4.9	792	161,413	3,880.8	161,151	10,309,986.2	\$39,170.07	\$56,475.39
5	869	162,282	4,345.0	165,496	10,305,641.2	\$43,703.75	\$62,663.16
5.1	748	163,030	3,814.8	169,310	10,301,826.4	\$38,242.88	\$54,537.94
5.2	747	163,777	3,884.4	173,195	10,297,942.0	\$38,815.37	\$55,064.27
5.3	779	164,556	4,128.7	177,323	10,293,813.3	\$41,128.49	\$58,048.02
5.4	800	165,356	4,320.0	181,643	10,289,493.3	\$42,905.09	\$60,254.61
5.5	735	166,091	4,042.5	185,686	10,285,450.8	\$40,032.66	\$55,948.53
5.6	749	166,840	4,194.4	189,880	10,281,256.4	\$41,420.48	\$57,615.06
5.7	758	167,598	4,320.6	194,201	10,276,935.8	\$42,551.00	\$58,915.42
5.8	740	168,338	4,292.0	198,493	10,272,643.8	\$42,158.33	\$58,109.99
5.9	702	169,040	4,141.8	202,635	10,268,502.0	\$40,579.50	\$55,689.11
6	646	169,686	3,876.0	206,511	10,264,626.0	\$37,881.70	\$51,764.88
6.1	693	170,379	4,227.3	210,738	10,260,398.7	\$41,216.34	\$56,086.98
6.2	702	171,081	4,352.4	215,090	10,256,046.3	\$42,337.68	\$57,378.52
6.3	705	171,786	4,441.5	219,532	10,251,604.8	\$43,107.17	\$58,189.27
6.4	646	172,432	4,134.4	223,666	10,247,470.4	\$40,038.92	\$53,837.74
6.5	629	173,061	4,088.5	227,755	10,243,381.9	\$39,510.38	\$52,925.54
6.6	623	173,684	4,111.8	231,867	10,239,270.1	\$39,653.60	\$52,920.45
6.7	622	174,306	4,167.4	236,034	10,235,102.7	\$40,109.22	\$53,334.47
6.8	619	174,925	4,209.2	240,243	10,230,893.5	\$40,432.54	\$53,573.78
6.9	589	175,514	4,064.1	244,307	10,226,829.4	\$38,964.68	\$51,449.80
7	659	176,173	4,613.0	248,920	10,222,216.4	\$44,145.62	\$58,093.02
7.1	640	176,813	4,544.0	253,464	10,217,672.4	\$43,407.13	\$56,931.51
7.2	587	177,400	4,226.4	257,691	10,213,446.0	\$40,302.53	\$52,687.76
7.3	633	178,033	4,620.9	262,312	10,208,825.1	\$43,989.27	\$57,324.40
7.4	597	178,630	4,417.8	266,729	10,204,407.3	\$41,985.91	\$54,543.15
7.5	610	179,240	4,575.0	271,304	10,199,832.3	\$43,409.43	\$56,220.19
7.6	592	179,832	4,499.2	275,804	10,195,333.1	\$42,622.72	\$55,036.13
7.7	574	180,406	4,419.8	280,223	10,190,913.3	\$41,805.96	\$53,823.19
7.8	589	180,995	4,594.2	284,818	10,186,319.1	\$43,390.17	\$55,702.21
7.9	505	181,500	3,989.5	288,807	10,182,329.6	\$37,623.69	\$48,163.37
8	604	182,104	4,832.0	293,639	10,177,497.6	\$45,503.67	\$58,089.82
8.1	517	182,621	4,187.7	297,827	10,173,309.9	\$39,380.94	\$50,137.31
8.2	542	183,163	4,444.4	302,271	10,168,865.5	\$41,737.73	\$52,996.53
8.3	533	183,696	4,423.9	306,695	10,164,441.6	\$41,489.64	\$52,544.08
8.4	527	184,223	4,426.8	311,122	10,160,014.8	\$41,462.55	\$52,375.35
8.5	509	184,732	4,326.5	315,448	10,155,688.3	\$40,471.30	\$50,994.75
8.6	512	185,244	4,403.2	319,852	10,151,285.1	\$41,137.27	\$51,706.03
8.7	530	185,774	4,611.0	324,463	10,146,674.1	\$43,025.97	\$53,948.98
8.8	428	186,202	3,766.4	328,229	10,142,907.7	\$35,102.81	\$43,909.68
8.9	493	186,695	4,387.7	332,617	10,138,520.0	\$40,845.42	\$50,973.69
9	484	187,179	4,356.0	336,973	10,134,164.0	\$40,503.83	\$50,431.40
9.1	511	187,690	4,650.1	341,623	10,129,513.9	\$43,189.94	\$53,654.64

## RATE SCHEDULE N (Commerical/Industrial)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
9.2	511	188,201	4,701.2	346,324	10,124,812.7	\$43,616.55	\$54,064.56
9.3	470	188,671	4,371.0	350,695	10,120,441.7	\$40,509.36	\$50,103.72
9.4	495	189,166	4,653.0	355,348	10,115,788.7	\$43,077.36	\$53,165.90
9.5	489	189,655	4,645.5	359,994	10,111,143.2	\$42,963.44	\$52,913.74
9.6	449	190,104	4,310.4	364,304	10,106,832.8	\$39,823.89	\$48,945.60
9.7	408	190,512	3,957.6	368,262	10,102,875.2	\$36,528.03	\$44,803.47
9.8	494	191,006	4,841.2	373,103	10,098,034.0	\$44,639.97	\$54,643.62
9.9	464	191,470	4,593.6	377,696	10,093,440.4	\$42,316.41	\$51,697.40
10	472	191,942	4,720.0	382,416	10,088,720.4	\$43,440.05	\$52,967.37
10.1	431	192,373	4,353.1	386,769	10,084,367.3	\$40,026.47	\$48,712.13
10.2	468	192,841	4,773.6	391,543	10,079,593.7	\$43,853.32	\$53,269.34
10.3	469	193,310	4,830.7	396,374	10,074,763.0	\$44,338.57	\$53,759.39
10.4	485	193,795	5,044.0	401,418	10,069,719.0	\$46,256.08	\$55,982.46
10.5	459	194,254	4,819.5	406,237	10,064,899.5	\$44,159.56	\$53,349.55
10.6	455	194,709	4,823.0	411,060	10,060,076.5	\$44,154.58	\$53,249.62
10.7	372	195,081	3,980.4	415,041	10,056,096.1	\$36,410.57	\$43,834.37
10.8	454	195,535	4,903.2	419,944	10,051,192.9	\$44,815.57	\$53,860.98
10.9	437	195,972	4,763.3	424,707	10,046,429.6	\$43,502.28	\$52,194.72
11	422	196,394	4,642.0	429,349	10,041,787.6	\$42,361.37	\$50,741.66
11.1	456	196,850	5,061.6	434,411	10,036,726.0	\$46,155.06	\$55,195.65
11.2	436	197,286	4,883.2	439,294	10,031,842.8	\$44,494.71	\$53,124.54
11.3	394	197,680	4,452.2	443,746	10,027,390.6	\$40,537.45	\$48,323.10
11.4	384	198,064	4,377.6	448,124	10,023,013.0	\$39,829.16	\$47,404.67
11.5	417	198,481	4,795.5	452,919	10,018,217.5	\$43,600.10	\$51,813.02
11.6	387	198,868	4,489.2	457,408	10,013,728.3	\$40,786.49	\$48,395.91
11.7	407	199,275	4,761.9	462,170	10,008,966.4	\$43,234.10	\$51,223.49
11.8	431	199,706	5,085.8	467,256	10,003,880.6	\$46,143.34	\$54,589.78
11.9	422	200,128	5,021.8	472,278	9,998,858.8	\$45,532.10	\$53,788.38
12	422	200,550	5,064.0	477,342	9,993,794.8	\$45,884.40	\$54,126.90
12.1	398	200,948	4,815.8	482,158	9,988,979.0	\$43,607.12	\$51,367.87
12.2	410	201,358	5,002.0	487,160	9,983,977.0	\$45,264.20	\$53,245.54
12.3	424	201,782	5,215.2	492,375	9,978,761.8	\$47,163.78	\$55,403.81
12.4	383	202,165	4,749.2	497,124	9,974,012.6	\$42,922.87	\$50,353.61
12.5	356	202,521	4,450.0	501,574	9,969,562.6	\$40,194.18	\$47,089.46
12.6	412	202,933	5,191.2	506,765	9,964,371.4	\$46,860.81	\$54,827.29
12.7	402	203,335	5,105.4	511,871	9,959,266.0	\$46,059.02	\$53,819.01
12.8	392	203,727	5,017.6	516,888	9,954,248.4	\$45,240.53	\$52,794.69
12.9	399	204,126	5,147.1	522,035	9,949,101.3	\$46,381.50	\$54,057.52
13	402	204,528	5,226.0	527,261	9,943,875.3	\$47,065.84	\$54,786.45
13.1	384	204,912	5,030.4	532,292	9,938,844.9	\$45,278.99	\$52,641.37
13.2	384	205,296	5,068.8	537,361	9,933,776.1	\$45,599.57	\$52,949.41
13.3	357	205,653	4,748.1	542,109	9,929,028.0	\$42,691.39	\$49,512.78
13.4	341	205,994	4,569.4	546,678	9,924,458.6	\$41,062.73	\$47,567.27
13.5	356	206,350	4,806.0	551,484	9,919,652.6	\$43,166.21	\$49,945.25
13.6	351	206,701	4,773.6	556,258	9,914,879.0	\$42,852.97	\$49,525.34
13.7	391	207,092	5,356.7	561,614	9,909,522.3	\$48,062.92	\$55,482.91

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
13.8	392	207,484	5,409.6	567,024	9,904,112.7	\$48,513.10	\$55,939.27
13.9	359	207,843	4,990.1	572,014	9,899,122.6	\$44,728.80	\$51,518.08
14	370	208,213	5,180.0	577,194	9,893,942.6	\$46,408.21	\$53,393.44
14.1	358	208,571	5,047.8	582,242	9,888,894.8	\$45,201.95	\$51,948.95
14.2	335	208,906	4,757.0	586,999	9,884,137.8	\$42,577.59	\$48,880.18
14.3	332	209,238	4,747.6	591,747	9,879,390.2	\$42,473.46	\$48,708.77
14.4	328	209,566	4,723.2	596,470	9,874,667.0	\$42,235.56	\$48,385.04
14.5	358	209,924	5,191.0	601,661	9,869,476.0	\$46,397.44	\$53,097.68
14.6	341	210,265	4,978.6	606,639	9,864,497.4	\$44,478.89	\$50,849.83
14.7	306	210,571	4,498.2	611,138	9,859,999.2	\$40,169.07	\$45,876.11
14.8	338	210,909	5,002.4	616,140	9,854,996.8	\$44,651.94	\$50,944.75
14.9	350	211,259	5,215.0	621,355	9,849,781.8	\$46,529.41	\$53,034.21
15	335	211,594	5,025.0	626,380	9,844,756.8	\$44,814.96	\$51,030.05
15.1	346	211,940	5,224.6	631,605	9,839,532.2	\$46,575.35	\$52,983.22
15.2	318	212,258	4,833.6	636,438	9,834,698.6	\$43,071.73	\$48,950.66
15.3	294	212,552	4,498.2	640,936	9,830,200.4	\$40,066.47	\$45,492.11
15.4	331	212,883	5,097.4	646,034	9,825,103.0	\$45,385.18	\$51,482.83
15.5	329	213,212	5,099.5	651,133	9,820,003.5	\$45,385.62	\$51,435.68
15.6	323	213,535	5,038.8	656,172	9,814,964.7	\$44,827.57	\$50,756.75
15.7	281	213,816	4,411.7	660,584	9,810,553.0	\$39,233.19	\$44,382.22
15.8	328	214,144	5,182.4	665,766	9,805,370.6	\$46,069.15	\$52,068.69
15.9	323	214,467	5,135.7	670,902	9,800,234.9	\$45,636.53	\$51,534.07
16	361	214,828	5,776.0	676,678	9,794,458.9	\$51,306.91	\$57,886.49
16.1	317	215,145	5,103.7	681,782	9,789,355.2	\$45,318.08	\$51,085.37
16.2	260	215,405	4,212.0	685,994	9,785,143.2	\$37,386.46	\$42,108.24
16.3	322	215,727	5,248.6	691,242	9,779,894.6	\$46,570.51	\$52,407.74
16.4	301	216,028	4,936.4	696,179	9,774,958.2	\$43,784.59	\$49,231.31
16.5	316	216,344	5,214.0	701,393	9,769,744.2	\$46,230.36	\$51,938.19
16.6	273	216,617	4,531.8	705,924	9,765,212.4	\$40,167.43	\$45,089.65
16.7	296	216,913	4,943.2	710,868	9,760,269.2	\$43,798.61	\$49,125.86
16.8	350	217,263	5,880.0	716,748	9,754,389.2	\$52,081.09	\$58,368.77
16.9	331	217,594	5,593.9	722,341	9,748,795.3	\$49,530.16	\$55,465.71
17	340	217,934	5,780.0	728,121	9,743,015.3	\$51,160.75	\$57,246.58
17.1	246	218,180	4,206.6	732,328	9,738,808.7	\$37,221.68	\$41,616.92
17.2	290	218,470	4,988.0	737,316	9,733,820.7	\$44,121.32	\$49,293.24
17.3	270	218,740	4,671.0	741,987	9,729,149.7	\$41,303.88	\$46,110.29
17.4	308	219,048	5,359.2	747,346	9,723,790.5	\$47,374.15	\$52,846.97
17.5	294	219,342	5,145.0	752,491	9,718,645.5	\$45,466.22	\$50,680.68
17.6	291	219,633	5,121.6	757,613	9,713,523.9	\$45,245.22	\$50,396.96
17.7	296	219,929	5,239.2	762,852	9,708,284.7	\$46,269.74	\$51,500.34
17.8	254	220,183	4,521.2	767,373	9,703,763.5	\$39,916.49	\$44,396.61
17.9	302	220,485	5,405.8	772,779	9,698,357.7	\$47,711.88	\$53,028.79
18	330	220,815	5,940.0	778,719	9,692,417.7	\$52,411.00	\$58,210.09
18.1	269	221,084	4,868.9	783,588	9,687,548.8	\$42,947.47	\$47,665.83
18.2	297	221,381	5,405.4	788,993	9,682,143.4	\$47,665.79	\$52,865.58
18.3	315	221,696	5,764.5	794,758	9,676,378.9	\$50,817.60	\$56,322.24



**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
18.4	293	221,989	5,391.2	800,149	9,670,987.7	\$47,513.04	\$52,623.67
18.5	274	222,263	5,069.0	805,218	9,665,918.7	\$44,660.74	\$49,431.01
18.6	270	222,533	5,022.0	810,240	9,660,896.7	\$44,234.16	\$48,925.98
18.7	268	222,801	5,011.6	815,252	9,655,885.1	\$44,130.24	\$48,778.55
18.8	266	223,067	5,000.8	820,252	9,650,884.3	\$44,022.98	\$48,627.92
18.9	291	223,358	5,499.9	825,752	9,645,384.4	\$48,403.42	\$53,431.65
19	264	223,622	5,016.0	830,768	9,640,368.4	\$44,132.77	\$48,685.85
19.1	268	223,890	5,118.8	835,887	9,635,249.6	\$45,025.19	\$49,638.50
19.2	231	224,121	4,435.2	840,322	9,630,814.4	\$39,001.87	\$42,970.73
19.3	295	224,416	5,693.5	846,016	9,625,120.9	\$50,053.87	\$55,112.69
19.4	247	224,663	4,791.8	850,808	9,620,329.1	\$42,115.71	\$46,343.34
19.5	263	224,926	5,128.5	855,936	9,615,200.6	\$45,063.42	\$49,556.31
19.6	308	225,234	6,036.8	861,973	9,609,163.8	\$53,031.02	\$58,282.61
19.7	266	225,500	5,240.2	867,213	9,603,923.6	\$46,021.59	\$50,548.36
19.8	263	225,763	5,207.4	872,421	9,598,716.2	\$45,722.11	\$50,189.24
19.9	243	226,006	4,835.7	877,256	9,593,880.5	\$42,448.01	\$46,567.50
20	289	226,295	5,780.0	883,036	9,588,100.5	\$50,724.70	\$55,614.58
20.1	264	226,559	5,306.4	888,343	9,582,794.1	\$46,557.15	\$51,015.41
20.2	269	226,828	5,433.8	893,776	9,577,360.3	\$47,663.49	\$52,197.40
20.3	255	227,083	5,176.5	898,953	9,572,183.8	\$45,395.74	\$49,685.37
20.4	301	227,384	6,140.4	905,093	9,566,043.4	\$53,836.07	\$58,889.67
20.5	287	227,671	5,883.5	910,977	9,560,159.9	\$51,571.66	\$56,380.85
20.6	266	227,937	5,479.6	916,456	9,554,680.3	\$48,020.19	\$52,468.80
20.7	262	228,199	5,423.4	921,880	9,549,256.9	\$47,516.81	\$51,889.97
20.8	235	228,434	4,888.0	926,768	9,544,368.9	\$42,816.23	\$46,731.05
20.9	281	228,715	5,872.9	932,641	9,538,496.0	\$51,431.87	\$56,103.82
21	265	228,980	5,565.0	938,206	9,532,931.0	\$48,724.60	\$53,121.87
21.1	277	229,257	5,844.7	944,050	9,527,086.3	\$51,162.24	\$55,749.60
21.2	263	229,520	5,575.6	949,626	9,521,510.7	\$48,795.99	\$53,142.91
21.3	249	229,769	5,303.7	954,930	9,516,207.0	\$46,406.36	\$50,513.75
21.4	256	230,025	5,478.4	960,408	9,510,728.6	\$47,924.67	\$52,139.18
21.5	238	230,263	5,117.0	965,525	9,505,611.6	\$44,753.66	\$48,664.06
21.6	250	230,513	5,400.0	970,925	9,500,211.6	\$47,218.86	\$51,318.26
21.7	241	230,754	5,229.7	976,155	9,494,981.9	\$45,720.18	\$49,664.13
21.8	217	230,971	4,730.6	980,885	9,490,251.3	\$41,348.29	\$44,892.40
21.9	267	231,238	5,847.3	986,733	9,484,404.0	\$51,098.45	\$55,450.46
22	255	231,493	5,610.0	992,343	9,478,794.0	\$49,014.77	\$53,162.86
22.1	266	231,759	5,878.6	998,221	9,472,915.4	\$51,351.20	\$55,669.54
22.2	260	232,019	5,772.0	1,003,993	9,467,143.4	\$50,409.96	\$54,622.41
22.3	246	232,265	5,485.8	1,009,479	9,461,657.6	\$47,900.95	\$51,878.54
22.4	231	232,496	5,174.4	1,014,654	9,456,483.2	\$45,173.01	\$48,900.52
22.5	255	232,751	5,737.5	1,020,391	9,450,745.7	\$50,079.20	\$54,185.65
22.6	214	232,965	4,836.4	1,025,227	9,445,909.3	\$42,205.90	\$45,645.12
22.7	224	233,189	5,084.8	1,030,312	9,440,824.5	\$44,365.14	\$47,957.76
22.8	212	233,401	4,833.6	1,035,146	9,435,990.9	\$42,165.43	\$45,558.66
22.9	244	233,645	5,587.6	1,040,733	9,430,403.3	\$48,733.72	\$52,631.17

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
23	245	233,890	5,635.0	1,046,368	9,424,768.3	\$49,137.98	\$53,043.41
23.1	228	234,118	5,266.8	1,051,635	9,419,501.5	\$45,918.75	\$49,545.74
23.2	237	234,355	5,498.4	1,057,134	9,414,003.1	\$47,929.19	\$51,691.61
23.3	239	234,594	5,568.7	1,062,702	9,408,434.4	\$48,533.19	\$52,319.55
23.4	227	234,821	5,311.8	1,068,014	9,403,122.6	\$46,285.88	\$49,874.73
23.5	221	235,042	5,193.5	1,073,208	9,397,929.1	\$45,246.97	\$48,733.74
23.6	226	235,268	5,333.6	1,078,541	9,392,595.5	\$46,459.33	\$50,017.61
23.7	219	235,487	5,190.3	1,083,732	9,387,405.2	\$45,203.15	\$48,644.07
23.8	250	235,737	5,950.0	1,089,682	9,381,455.2	\$51,810.48	\$55,730.31
23.9	226	235,963	5,401.4	1,095,083	9,376,053.8	\$47,025.35	\$50,561.49
24	256	236,219	6,144.0	1,101,227	9,369,909.8	\$53,481.37	\$57,478.55
24.1	203	236,422	4,892.3	1,106,119	9,365,017.5	\$42,578.53	\$45,741.54
24.2	214	236,636	5,178.8	1,111,298	9,359,838.7	\$45,064.39	\$48,391.82
24.3	232	236,868	5,637.6	1,116,936	9,354,201.1	\$49,048.54	\$52,648.26
24.4	248	237,116	6,051.2	1,122,987	9,348,149.9	\$52,638.24	\$56,478.12
24.5	234	237,350	5,733.0	1,128,720	9,342,416.9	\$49,862.08	\$53,477.55
24.6	215	237,565	5,289.0	1,134,009	9,337,127.9	\$45,992.94	\$49,307.83
24.7	225	237,790	5,557.5	1,139,566	9,331,570.4	\$48,319.98	\$51,781.71
24.8	195	237,985	4,836.0	1,144,402	9,326,734.4	\$42,040.11	\$45,033.91
24.9	203	238,188	5,054.7	1,149,457	9,321,679.7	\$43,934.31	\$47,044.30
25	230	238,418	5,750.0	1,155,207	9,315,929.7	\$49,969.80	\$53,485.93
25.1	214	238,632	5,371.4	1,160,578	9,310,558.3	\$46,661.68	\$49,936.83
25.2	210	238,842	5,292.0	1,165,870	9,305,266.3	\$45,954.41	\$49,171.89
25.3	190	239,032	4,807.0	1,170,677	9,300,459.3	\$41,726.99	\$44,641.27
25.4	217	239,249	5,511.8	1,176,189	9,294,947.5	\$47,827.02	\$51,159.11
25.5	178	239,427	4,539.0	1,180,728	9,290,408.5	\$39,371.15	\$42,107.40
25.6	204	239,631	5,222.4	1,185,951	9,285,186.1	\$45,282.19	\$48,421.57
25.7	208	239,839	5,345.6	1,191,296	9,279,840.5	\$46,333.40	\$49,537.87
25.8	203	240,042	5,237.4	1,196,534	9,274,603.1	\$45,379.03	\$48,509.90
25.9	198	240,240	5,128.2	1,201,662	9,269,474.9	\$44,416.80	\$47,473.91
26	231	240,471	6,006.0	1,207,668	9,263,468.9	\$52,000.99	\$55,571.53
26.1	194	240,665	5,063.4	1,212,731	9,258,405.5	\$43,824.16	\$46,826.09
26.2	201	240,866	5,266.2	1,217,997	9,253,139.3	\$45,563.28	\$48,676.93
26.3	239	241,105	6,285.7	1,224,283	9,246,853.6	\$54,364.91	\$58,071.26
26.4	168	241,273	4,435.2	1,228,718	9,242,418.4	\$38,346.59	\$40,954.73
26.5	200	241,473	5,300.0	1,234,018	9,237,118.4	\$45,807.75	\$48,916.07
26.6	209	241,682	5,559.4	1,239,578	9,231,559.0	\$48,033.22	\$51,284.95
26.7	203	241,885	5,420.1	1,244,998	9,226,138.9	\$46,813.68	\$49,975.50
26.8	205	242,090	5,494.0	1,250,492	9,220,644.9	\$47,435.87	\$50,632.32
26.9	222	242,312	5,971.8	1,256,464	9,214,673.1	\$51,543.90	\$55,009.18
27	219	242,531	5,913.0	1,262,377	9,208,760.1	\$51,019.34	\$54,441.49
27.1	218	242,749	5,907.8	1,268,284	9,202,852.3	\$50,957.55	\$54,367.78
27.2	210	242,959	5,712.0	1,273,996	9,197,140.3	\$49,252.46	\$52,541.09
27.3	180	243,139	4,914.0	1,278,910	9,192,226.3	\$42,357.74	\$45,179.62
27.4	182	243,321	4,986.8	1,283,897	9,187,239.5	\$42,971.29	\$45,827.61
27.5	190	243,511	5,225.0	1,289,122	9,182,014.5	\$45,009.34	\$47,994.43

## RATE SCHEDULE N (Commerical/Industrial)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
27.6	214	243,725	5,906.4	1,295,029	9,176,108.1	\$50,862.77	\$54,228.55
27.7	198	243,923	5,484.6	1,300,513	9,170,623.5	\$47,215.43	\$50,332.91
27.8	181	244,104	5,031.8	1,305,545	9,165,591.7	\$43,303.71	\$46,156.60
27.9	213	244,317	5,942.7	1,311,488	9,159,649.0	\$51,126.87	\$54,487.75
28	244	244,561	6,832.0	1,318,320	9,152,817.0	\$58,759.47	\$62,613.62
28.1	204	244,765	5,732.4	1,324,052	9,147,084.6	\$49,286.96	\$52,512.74
28.2	187	244,952	5,273.4	1,329,326	9,141,811.2	\$45,326.56	\$48,286.69
28.3	183	245,135	5,178.9	1,334,504	9,136,632.3	\$44,500.70	\$47,400.62
28.4	192	245,327	5,452.8	1,339,957	9,131,179.5	\$46,840.03	\$49,885.82
28.5	203	245,530	5,785.5	1,345,743	9,125,394.0	\$49,682.98	\$52,906.70
28.6	198	245,728	5,662.8	1,351,406	9,119,731.2	\$48,614.74	\$51,762.42
28.7	171	245,899	4,907.7	1,356,313	9,114,823.5	\$42,119.74	\$44,841.08
28.8	180	246,079	5,184.0	1,361,497	9,109,639.5	\$44,477.91	\$47,345.53
28.9	198	246,277	5,722.2	1,367,219	9,103,917.3	\$49,081.18	\$52,238.92
29	191	246,468	5,539.0	1,372,758	9,098,378.3	\$47,495.97	\$50,545.30
29.1	186	246,654	5,412.6	1,378,171	9,092,965.7	\$46,398.68	\$49,371.34
29.2	163	246,817	4,759.6	1,382,931	9,088,206.1	\$40,789.20	\$43,397.04
29.3	203	247,020	5,947.9	1,388,879	9,082,258.2	\$50,958.23	\$54,209.46
29.4	180	247,200	5,292.0	1,394,171	9,076,966.2	\$45,325.98	\$48,211.89
29.5	163	247,363	4,808.5	1,398,979	9,072,157.7	\$41,173.19	\$43,789.31
29.6	166	247,529	4,913.6	1,403,893	9,067,244.1	\$42,061.33	\$44,728.41
29.7	177	247,706	5,256.9	1,409,150	9,061,987.2	\$44,987.51	\$47,834.33
29.8	165	247,871	4,917.0	1,414,067	9,057,070.2	\$42,067.08	\$44,723.68
29.9	158	248,029	4,724.2	1,418,791	9,052,346.0	\$40,406.49	\$42,953.06
30	200	248,229	6,000.0	1,424,791	9,046,346.0	\$51,304.50	\$54,531.40
30.1	171	248,400	5,147.1	1,429,938	9,041,198.9	\$43,999.63	\$46,761.52
30.2	179	248,579	5,405.8	1,435,344	9,035,793.1	\$46,198.65	\$49,092.79
30.3	177	248,756	5,363.1	1,440,707	9,030,430.0	\$45,821.45	\$48,686.25
30.4	170	248,926	5,168.0	1,445,875	9,025,262.0	\$44,142.80	\$46,897.18
30.5	179	249,105	5,459.5	1,451,334	9,019,802.5	\$46,620.33	\$49,523.56
30.6	200	249,305	6,120.0	1,457,454	9,013,682.5	\$52,246.80	\$55,494.03
30.7	210	249,515	6,447.0	1,463,901	9,007,235.5	\$55,024.04	\$58,437.19
30.8	172	249,687	5,297.6	1,469,199	9,001,937.9	\$45,202.37	\$48,000.82
30.9	165	249,852	5,098.5	1,474,297	8,996,839.4	\$43,492.31	\$46,179.66
31	171	250,023	5,301.0	1,479,598	8,991,538.4	\$45,208.13	\$47,996.09
31.1	207	250,230	6,437.7	1,486,036	8,985,100.7	\$54,888.17	\$58,266.59
31.2	173	250,403	5,397.6	1,491,434	8,979,703.1	\$46,008.57	\$48,835.01
31.3	171	250,574	5,352.3	1,496,786	8,974,350.8	\$45,610.96	\$48,407.62
31.4	175	250,749	5,495.0	1,502,281	8,968,855.8	\$46,815.30	\$49,680.34
31.5	170	250,919	5,355.0	1,507,636	8,963,500.8	\$45,611.21	\$48,397.27
31.6	161	251,080	5,087.6	1,512,724	8,958,413.2	\$43,322.93	\$45,964.22
31.7	183	251,263	5,801.1	1,518,525	8,952,612.1	\$49,386.53	\$52,391.84
31.8	183	251,446	5,819.4	1,524,344	8,946,792.7	\$49,530.23	\$52,538.64
31.9	164	251,610	5,231.6	1,529,576	8,941,561.1	\$44,516.53	\$47,215.37
32	157	251,767	5,024.0	1,534,600	8,936,537.1	\$42,739.72	\$45,326.03
32.1	169	251,936	5,424.9	1,540,025	8,931,112.2	\$46,139.15	\$48,926.01

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
32.2	171	252,107	5,506.2	1,545,531	8,925,606.0	\$46,819.46	\$49,642.19
32.3	179	252,286	5,781.7	1,551,312	8,919,824.3	\$49,150.40	\$52,108.22
32.4	147	252,433	4,762.8	1,556,075	8,915,061.5	\$40,479.17	\$42,910.71
32.5	175	252,608	5,687.5	1,561,763	8,909,374.0	\$48,326.91	\$51,224.56
32.6	161	252,769	5,248.6	1,567,011	8,904,125.4	\$44,587.18	\$47,255.74
32.7	165	252,934	5,395.5	1,572,407	8,898,729.9	\$45,824.50	\$48,562.16
32.8	176	253,110	5,772.8	1,578,180	8,892,957.1	\$49,017.67	\$51,940.82
32.9	142	253,252	4,671.8	1,582,851	8,888,285.3	\$39,659.85	\$42,020.71
33	184	253,436	6,072.0	1,588,923	8,882,213.3	\$51,534.72	\$54,596.98
33.1	155	253,591	5,130.5	1,594,054	8,877,082.8	\$43,534.11	\$46,116.36
33.2	173	253,764	5,743.6	1,599,798	8,871,339.2	\$48,725.54	\$51,610.58
33.3	181	253,945	6,027.3	1,605,825	8,865,311.9	\$51,120.87	\$54,142.40
33.4	138	254,083	4,609.2	1,610,434	8,860,702.7	\$39,084.50	\$41,390.54
33.5	166	254,249	5,561.0	1,615,995	8,855,141.7	\$47,145.04	\$49,921.79
33.6	143	254,392	4,804.8	1,620,800	8,850,336.9	\$40,725.18	\$43,119.63
33.7	170	254,562	5,729.0	1,626,529	8,844,607.9	\$48,548.05	\$51,397.47
33.8	125	254,687	4,225.0	1,630,754	8,840,382.9	\$35,795.25	\$37,892.53
33.9	145	254,832	4,915.5	1,635,669	8,835,467.4	\$41,636.35	\$44,071.65
34	172	255,004	5,848.0	1,641,517	8,829,619.4	\$49,524.39	\$52,416.07
34.1	169	255,173	5,762.9	1,647,280	8,823,856.5	\$48,793.30	\$51,637.41
34.2	173	255,346	5,916.6	1,653,197	8,817,939.9	\$50,084.02	\$52,998.37
34.3	169	255,515	5,796.7	1,658,994	8,812,143.2	\$49,058.71	\$51,908.55
34.4	159	255,674	5,469.6	1,664,463	8,806,673.6	\$46,280.69	\$48,964.58
34.5	149	255,823	5,140.5	1,669,604	8,801,533.1	\$43,486.95	\$46,004.58
34.6	148	255,971	5,120.8	1,674,724	8,796,412.3	\$43,311.31	\$45,814.55
34.7	121	256,092	4,198.7	1,678,923	8,792,213.6	\$35,504.94	\$37,553.55
34.8	166	256,258	5,776.8	1,684,700	8,786,436.8	\$48,839.61	\$51,652.91
34.9	143	256,401	4,990.7	1,689,691	8,781,446.1	\$42,184.96	\$44,610.90
35	179	256,580	6,265.0	1,695,956	8,775,181.1	\$52,945.52	\$55,985.20
35.1	149	256,729	5,229.9	1,701,186	8,769,951.2	\$44,188.97	\$46,721.73
35.2	145	256,874	5,104.0	1,706,290	8,764,847.2	\$43,116.55	\$45,583.78
35.3	139	257,013	4,906.7	1,711,196	8,759,940.5	\$41,441.56	\$43,809.06
35.4	133	257,146	4,708.2	1,715,904	8,755,232.3	\$39,757.16	\$42,024.71
35.5	168	257,314	5,964.0	1,721,868	8,749,268.3	\$50,351.49	\$53,218.61
35.6	140	257,454	4,984.0	1,726,852	8,744,284.3	\$42,069.51	\$44,461.15
35.7	131	257,585	4,676.7	1,731,529	8,739,607.6	\$39,467.91	\$41,708.02
35.8	137	257,722	4,904.6	1,736,434	8,734,703.0	\$41,383.18	\$43,728.21
35.9	150	257,872	5,385.0	1,741,819	8,729,318.0	\$45,427.84	\$47,997.93
36	203	258,075	7,308.0	1,749,127	8,722,010.0	\$61,638.41	\$65,120.05
36.1	148	258,223	5,342.8	1,754,470	8,716,667.2	\$45,054.57	\$47,595.41
36.2	174	258,397	6,298.8	1,760,768	8,710,368.4	\$53,106.19	\$56,096.34
36.3	142	258,539	5,154.6	1,765,923	8,705,213.8	\$43,451.04	\$45,893.69
36.4	148	258,687	5,387.2	1,771,310	8,699,826.6	\$45,403.22	\$47,951.58
36.5	149	258,836	5,438.5	1,776,749	8,694,388.1	\$45,827.00	\$48,395.10
36.6	138	258,974	5,050.8	1,781,799	8,689,337.3	\$42,552.16	\$44,933.01
36.7	163	259,137	5,982.1	1,787,782	8,683,355.2	\$50,388.88	\$53,203.81

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
36.8	145	259,282	5,336.0	1,793,118	8,678,019.2	\$44,938.33	\$47,444.86
36.9	166	259,448	6,125.4	1,799,243	8,671,893.8	\$51,576.99	\$54,449.35
37	158	259,606	5,846.0	1,805,089	8,666,047.8	\$49,215.42	\$51,952.03
37.1	138	259,744	5,119.8	1,810,209	8,660,928.0	\$43,093.98	\$45,486.52
37.2	171	259,915	6,361.2	1,816,570	8,654,566.8	\$53,533.35	\$56,500.91
37.3	147	260,062	5,483.1	1,822,053	8,649,083.7	\$46,135.33	\$48,688.88
37.4	130	260,192	4,862.0	1,826,915	8,644,221.7	\$40,902.03	\$43,162.48
37.5	119	260,311	4,462.5	1,831,378	8,639,759.2	\$37,534.53	\$39,605.73
37.6	132	260,443	4,963.2	1,836,341	8,634,796.0	\$41,738.60	\$44,038.29
37.7	155	260,598	5,843.5	1,842,184	8,628,952.5	\$49,132.95	\$51,835.97
37.8	140	260,738	5,292.0	1,847,476	8,623,660.5	\$44,488.08	\$46,931.89
37.9	144	260,882	5,457.6	1,852,934	8,618,202.9	\$45,872.24	\$48,388.32
38	147	261,029	5,586.0	1,858,520	8,612,616.9	\$46,943.35	\$49,514.33
38.1	146	261,175	5,562.6	1,864,082	8,607,054.3	\$46,738.65	\$49,294.62
38.2	135	261,310	5,157.0	1,869,239	8,601,897.3	\$43,323.26	\$45,688.94
38.3	147	261,457	5,630.1	1,874,870	8,596,267.2	\$47,289.64	\$49,868.10
38.4	119	261,576	4,569.6	1,879,439	8,591,697.6	\$38,375.54	\$40,464.87
38.5	133	261,709	5,120.5	1,884,560	8,586,577.1	\$42,994.74	\$45,332.14
38.6	138	261,847	5,326.8	1,889,886	8,581,250.3	\$44,719.45	\$47,147.06
38.7	148	261,995	5,727.6	1,895,614	8,575,522.7	\$48,076.21	\$50,682.23
38.8	139	262,134	5,393.2	1,901,007	8,570,129.5	\$45,261.81	\$47,711.71
38.9	127	262,261	4,940.3	1,905,948	8,565,189.2	\$41,454.04	\$43,694.59
39	137	262,398	5,343.0	1,911,291	8,559,846.2	\$44,825.72	\$47,245.01
39.1	127	262,525	4,965.7	1,916,256	8,554,880.5	\$41,653.49	\$43,898.35
39.2	155	262,680	6,076.0	1,922,332	8,548,804.5	\$50,958.65	\$53,701.06
39.3	130	262,810	5,109.0	1,927,441	8,543,695.5	\$42,841.60	\$45,143.89
39.4	111	262,921	4,373.4	1,931,815	8,539,322.1	\$36,667.30	\$38,634.98
39.5	115	263,036	4,542.5	1,936,357	8,534,779.6	\$38,078.94	\$40,119.48
39.6	132	263,168	5,227.2	1,941,584	8,529,552.4	\$43,811.66	\$46,156.08
39.7	149	263,317	5,915.3	1,947,500	8,523,637.1	\$49,571.07	\$52,219.95
39.8	132	263,449	5,253.6	1,952,753	8,518,383.5	\$44,018.96	\$46,367.85
39.9	132	263,581	5,266.8	1,958,020	8,513,116.7	\$44,122.62	\$46,473.74
40	151	263,732	6,040.0	1,964,060	8,507,076.7	\$50,592.17	\$53,284.28
40.1	137	263,869	5,493.7	1,969,554	8,501,583.0	\$46,009.09	\$48,453.91
40.2	112	263,981	4,502.4	1,974,056	8,497,080.6	\$37,701.22	\$39,701.80
40.3	113	264,094	4,553.9	1,978,610	8,492,526.7	\$38,126.57	\$40,146.93
40.4	136	264,230	5,494.4	1,984,104	8,487,032.3	\$45,993.64	\$48,427.53
40.5	134	264,364	5,427.0	1,989,531	8,481,605.3	\$45,422.48	\$47,822.85
40.6	135	264,499	5,481.0	1,995,012	8,476,124.3	\$45,867.47	\$48,288.03
40.7	140	264,639	5,698.0	2,000,710	8,470,426.3	\$47,676.20	\$50,188.79
40.8	146	264,785	5,956.8	2,006,667	8,464,469.5	\$49,834.11	\$52,456.85
40.9	119	264,904	4,867.1	2,011,534	8,459,602.4	\$40,711.66	\$42,851.39
41	137	265,041	5,617.0	2,017,151	8,453,985.4	\$46,977.30	\$49,443.01
41.1	120	265,161	4,932.0	2,022,083	8,449,053.4	\$41,242.23	\$43,404.01
41.2	99	265,260	4,078.8	2,026,162	8,444,974.6	\$34,102.58	\$35,887.73
41.3	127	265,387	5,245.1	2,031,407	8,439,729.5	\$43,847.48	\$46,139.67

**RATE SCHEDULE N (Commerical/Industrial)****Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
41.4	118	265,505	4,885.2	2,036,292	8,434,844.3	\$40,832.84	\$42,964.59
41.5	132	265,637	5,478.0	2,041,770	8,429,366.3	\$45,781.07	\$48,167.97
41.6	129	265,766	5,366.4	2,047,137	8,423,999.9	\$44,841.88	\$47,176.72
41.7	130	265,896	5,421.0	2,052,558	8,418,578.9	\$45,291.58	\$47,646.72
41.8	124	266,020	5,183.2	2,057,741	8,413,395.7	\$43,298.57	\$45,547.11
41.9	136	266,156	5,698.4	2,063,439	8,407,697.3	\$47,595.55	\$50,063.99
42	137	266,293	5,754.0	2,069,193	8,401,943.3	\$48,053.09	\$50,542.01
42.1	146	266,439	6,146.6	2,075,340	8,395,796.7	\$51,324.51	\$53,979.41
42.2	106	266,545	4,473.2	2,079,813	8,391,323.5	\$37,346.24	\$39,275.56
42.3	120	266,665	5,076.0	2,084,889	8,386,247.5	\$42,372.99	\$44,559.16
42.4	125	266,790	5,300.0	2,090,189	8,380,947.5	\$44,236.69	\$46,516.07
42.5	140	266,930	5,950.0	2,096,139	8,374,997.5	\$49,655.03	\$52,210.31
42.6	144	267,074	6,134.4	2,102,274	8,368,863.1	\$51,186.82	\$53,817.54
42.7	117	267,191	4,995.9	2,107,270	8,363,867.2	\$41,681.16	\$43,820.61
42.8	137	267,328	5,863.6	2,113,133	8,358,003.6	\$48,913.73	\$51,421.21
42.9	126	267,454	5,405.4	2,118,539	8,352,598.2	\$45,085.29	\$47,393.58
43	126	267,580	5,418.0	2,123,957	8,347,180.2	\$45,184.23	\$47,494.65
43.1	87	267,667	3,749.7	2,127,706	8,343,430.5	\$31,266.95	\$32,863.72
43.2	124	267,791	5,356.8	2,133,063	8,338,073.7	\$44,661.76	\$46,939.71
43.3	117	267,908	5,066.1	2,138,129	8,333,007.6	\$42,232.41	\$44,383.75
43.4	129	268,037	5,598.6	2,143,728	8,327,409.0	\$46,665.23	\$49,039.41
43.5	122	268,159	5,307.0	2,149,035	8,322,102.0	\$44,228.81	\$46,476.22
43.6	117	268,276	5,101.2	2,154,136	8,317,000.8	\$42,508.03	\$44,665.32
43.7	128	268,404	5,593.6	2,159,730	8,311,407.2	\$46,605.02	\$48,967.30
43.8	118	268,522	5,168.4	2,164,898	8,306,238.8	\$43,056.67	\$45,236.39
43.9	109	268,631	4,785.1	2,169,683	8,301,453.7	\$39,858.28	\$41,873.59
44	82	268,713	3,608.0	2,173,291	8,297,845.7	\$30,049.52	\$31,567.02
44.1	132	268,845	5,821.2	2,179,112	8,292,024.5	\$48,476.04	\$50,921.08
44.2	119	268,964	5,259.8	2,184,372	8,286,764.7	\$43,795.33	\$46,001.59
44.3	104	269,068	4,607.2	2,188,979	8,282,157.5	\$38,356.58	\$40,286.50
44.4	132	269,200	5,860.8	2,194,840	8,276,296.7	\$48,787.00	\$51,238.75
44.5	122	269,322	5,429.0	2,200,269	8,270,867.7	\$45,186.82	\$47,454.90
44.6	131	269,453	5,842.6	2,206,112	8,265,025.1	\$48,623.14	\$51,060.75
44.7	126	269,579	5,632.2	2,211,744	8,259,392.9	\$46,866.24	\$49,212.95
44.8	122	269,701	5,465.6	2,217,209	8,253,927.3	\$45,474.22	\$47,748.50
44.9	95	269,796	4,265.5	2,221,475	8,249,661.8	\$35,484.85	\$37,257.41
45	120	269,916	5,400.0	2,226,875	8,244,261.8	\$44,917.20	\$47,158.26
45.1	101	270,017	4,555.1	2,231,430	8,239,706.7	\$37,884.62	\$39,772.56
45.2	126	270,143	5,695.2	2,237,125	8,234,011.5	\$47,360.94	\$49,718.32
45.3	135	270,278	6,115.5	2,243,241	8,227,896.0	\$50,849.88	\$53,377.93
45.4	118	270,396	5,357.2	2,248,598	8,222,538.8	\$44,539.22	\$46,750.92
45.5	92	270,488	4,186.0	2,252,784	8,218,352.8	\$34,797.74	\$36,523.67
45.6	108	270,596	4,924.8	2,257,709	8,213,428.0	\$40,934.32	\$42,962.25
45.7	110	270,706	5,027.0	2,262,736	8,208,401.0	\$41,778.74	\$43,846.09
45.8	86	270,792	3,938.8	2,266,675	8,204,462.2	\$32,730.91	\$34,348.66
45.9	94	270,886	4,314.6	2,270,989	8,200,147.6	\$35,849.46	\$37,619.29

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
46	115	271,001	5,290.0	2,276,279	8,194,857.6	\$43,948.69	\$46,115.85
46.1	89	271,090	4,102.9	2,280,382	8,190,754.7	\$34,082.35	\$35,761.05
46.2	110	271,200	5,082.0	2,285,464	8,185,672.7	\$42,210.63	\$44,287.30
46.3	109	271,309	5,046.7	2,290,511	8,180,626.0	\$41,912.49	\$43,972.12
46.4	95	271,404	4,408.0	2,294,919	8,176,218.0	\$36,603.83	\$38,400.54
46.5	103	271,507	4,789.5	2,299,708	8,171,428.5	\$39,767.14	\$41,716.89
46.6	107	271,614	4,986.2	2,304,694	8,166,442.3	\$41,395.52	\$43,422.80
46.7	111	271,725	5,183.7	2,309,878	8,161,258.6	\$43,030.18	\$45,135.12
46.8	92	271,817	4,305.6	2,314,184	8,156,953.0	\$35,736.89	\$37,483.09
46.9	98	271,915	4,596.2	2,318,780	8,152,356.8	\$38,144.52	\$40,006.26
47	134	272,049	6,298.0	2,325,078	8,146,058.8	\$52,262.01	\$54,809.93
47.1	100	272,149	4,710.0	2,329,788	8,141,348.8	\$39,080.03	\$40,983.15
47.2	114	272,263	5,380.8	2,335,169	8,135,968.0	\$44,640.75	\$46,812.24
47.3	108	272,371	5,108.4	2,340,277	8,130,859.6	\$42,376.04	\$44,435.07
47.4	106	272,477	5,024.4	2,345,302	8,125,835.2	\$41,674.54	\$43,697.23
47.5	91	272,568	4,322.5	2,349,624	8,121,512.7	\$35,848.65	\$37,586.66
47.6	117	272,685	5,569.2	2,355,193	8,115,943.5	\$46,183.00	\$48,419.57
47.7	93	272,778	4,436.1	2,359,629	8,111,507.4	\$36,782.59	\$38,561.95
47.8	104	272,882	4,971.2	2,364,601	8,106,536.2	\$41,214.89	\$43,206.47
47.9	92	272,974	4,406.8	2,369,007	8,102,129.4	\$36,531.57	\$38,294.91
48	111	273,085	5,328.0	2,374,335	8,096,801.4	\$44,163.29	\$46,292.68
48.1	109	273,194	5,242.9	2,379,578	8,091,558.5	\$43,453.15	\$45,546.02
48.2	102	273,296	4,916.4	2,384,495	8,086,642.1	\$40,742.68	\$42,702.87
48.3	116	273,412	5,602.8	2,390,097	8,081,039.3	\$46,425.90	\$48,657.10
48.4	104	273,516	5,033.6	2,395,131	8,076,005.7	\$41,704.88	\$43,707.04
48.5	105	273,621	5,092.5	2,400,224	8,070,913.2	\$42,188.34	\$44,211.53
48.6	85	273,706	4,131.0	2,404,355	8,066,782.2	\$34,219.22	\$35,858.47
48.7	100	273,806	4,870.0	2,409,225	8,061,912.2	\$40,336.43	\$42,266.65
48.8	79	273,885	3,855.2	2,413,080	8,058,057.0	\$31,927.81	\$33,454.03
48.9	91	273,976	4,449.9	2,417,530	8,053,607.1	\$36,849.06	\$38,608.65
49	114	274,090	5,586.0	2,423,116	8,048,021.1	\$46,252.08	\$48,458.33
49.1	99	274,189	4,860.9	2,427,977	8,043,160.2	\$40,244.02	\$42,161.65
49.2	96	274,285	4,723.2	2,432,700	8,038,437.0	\$39,099.89	\$40,961.04
49.3	100	274,385	4,930.0	2,437,630	8,033,507.0	\$40,807.58	\$42,747.97
49.4	93	274,478	4,594.2	2,442,224	8,028,912.8	\$38,024.07	\$39,830.21
49.5	93	274,571	4,603.5	2,446,827	8,024,309.3	\$38,097.10	\$39,904.82
49.6	91	274,662	4,513.6	2,451,341	8,019,795.7	\$37,349.27	\$39,119.65
49.7	100	274,762	4,970.0	2,456,311	8,014,825.7	\$41,121.68	\$43,068.84
49.8	74	274,836	3,685.2	2,459,996	8,011,140.5	\$30,488.15	\$31,930.31
49.9	99	274,935	4,940.1	2,464,936	8,006,200.4	\$40,865.94	\$42,796.99
50	100	275,035	5,000.0	2,469,936	8,001,200.4	\$41,357.25	\$43,309.50
50.1	102	275,137	5,110.2	2,475,047	7,996,090.2	\$42,264.49	\$44,257.51
50.2	97	275,234	4,869.4	2,479,916	7,991,220.8	\$40,268.87	\$42,165.84
50.3	108	275,342	5,432.4	2,485,348	7,985,788.4	\$44,920.25	\$47,034.17
50.4	87	275,429	4,384.8	2,489,733	7,981,403.6	\$36,254.07	\$37,958.43
50.5	86	275,515	4,343.0	2,494,076	7,977,060.6	\$35,904.89	\$37,591.11

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
50.6	96	275,611	4,857.6	2,498,934	7,972,203.0	\$40,155.26	\$42,039.18
50.7	83	275,694	4,208.1	2,503,142	7,967,994.9	\$34,782.75	\$36,412.96
50.8	104	275,798	5,283.2	2,508,425	7,962,711.7	\$43,664.87	\$45,709.30
50.9	86	275,884	4,377.4	2,512,802	7,958,334.3	\$36,175.02	\$37,867.07
51	118	276,002	6,018.0	2,518,820	7,952,316.3	\$49,728.15	\$52,051.79
51.1	91	276,093	4,650.1	2,523,471	7,947,666.2	\$38,421.13	\$40,214.64
51.2	84	276,177	4,300.8	2,527,771	7,943,365.4	\$35,531.62	\$37,188.59
51.3	85	276,262	4,360.5	2,532,132	7,939,004.9	\$36,021.36	\$37,699.49
51.4	94	276,356	4,831.6	2,536,963	7,934,173.3	\$39,909.20	\$41,766.61
51.5	99	276,455	5,098.5	2,542,062	7,929,074.8	\$42,109.77	\$44,067.66
51.6	87	276,542	4,489.2	2,546,551	7,924,585.6	\$37,073.88	\$38,795.91
51.7	87	276,629	4,497.9	2,551,049	7,920,087.7	\$37,142.19	\$38,865.70
51.8	103	276,732	5,335.4	2,556,384	7,914,752.3	\$44,053.82	\$46,096.05
51.9	93	276,825	4,826.7	2,561,211	7,909,925.6	\$39,849.78	\$41,695.30
52	89	276,914	4,628.0	2,565,839	7,905,297.6	\$38,205.70	\$39,973.35
52.1	96	277,010	5,001.6	2,570,841	7,900,296.0	\$41,286.02	\$43,194.34
52.2	99	277,109	5,167.8	2,576,009	7,895,128.2	\$42,653.95	\$44,623.57
52.3	87	277,196	4,550.1	2,580,559	7,890,578.1	\$37,552.09	\$39,284.45
52.4	78	277,274	4,087.2	2,584,646	7,886,490.9	\$33,728.64	\$35,283.11
52.5	73	277,347	3,832.5	2,588,478	7,882,658.4	\$31,623.87	\$33,079.93
52.6	69	277,416	3,629.4	2,592,108	7,879,029.0	\$29,945.24	\$31,322.68
52.7	81	277,497	4,268.7	2,596,376	7,874,760.3	\$35,216.71	\$36,835.08
52.8	104	277,601	5,491.2	2,601,868	7,869,269.1	\$45,298.19	\$47,377.86
52.9	94	277,695	4,972.6	2,606,840	7,864,296.5	\$41,016.41	\$42,897.70
53	71	277,766	3,763.0	2,610,603	7,860,533.5	\$31,036.23	\$32,458.41
53.1	92	277,858	4,885.2	2,615,488	7,855,648.3	\$40,288.20	\$42,132.59
53.2	81	277,939	4,309.2	2,619,798	7,851,339.1	\$35,534.74	\$37,159.97
53.3	71	278,010	3,784.3	2,623,582	7,847,554.8	\$31,203.49	\$32,629.28
53.4	98	278,108	5,233.2	2,628,815	7,842,321.6	\$43,146.56	\$45,116.21
53.5	73	278,181	3,905.5	2,632,721	7,838,416.1	\$32,197.11	\$33,665.53
53.6	82	278,263	4,395.2	2,637,116	7,834,020.9	\$36,231.00	\$37,881.85
53.7	69	278,332	3,705.3	2,640,821	7,830,315.6	\$30,541.25	\$31,931.55
53.8	92	278,424	4,949.6	2,645,771	7,825,366.0	\$40,793.90	\$42,649.20
53.9	84	278,508	4,527.6	2,650,298	7,820,838.4	\$37,312.57	\$39,007.95
54	99	278,607	5,346.0	2,655,644	7,815,492.4	\$44,053.27	\$46,053.08
54.1	94	278,701	5,085.4	2,660,730	7,810,407.0	\$41,902.17	\$43,802.57
54.2	75	278,776	4,065.0	2,664,795	7,806,342.0	\$33,491.48	\$35,009.02
54.3	67	278,843	3,638.1	2,668,433	7,802,703.9	\$29,971.66	\$31,328.47
54.4	79	278,922	4,297.6	2,672,730	7,798,406.3	\$35,401.76	\$37,002.92
54.5	95	279,017	5,177.5	2,677,908	7,793,228.8	\$42,646.33	\$44,573.39
54.6	85	279,102	4,641.0	2,682,549	7,788,587.8	\$38,223.99	\$39,949.64
54.7	95	279,197	5,196.5	2,687,745	7,783,391.3	\$42,795.53	\$44,725.80
54.8	90	279,287	4,932.0	2,692,677	7,778,459.3	\$40,613.81	\$42,444.01
54.9	61	279,348	3,348.9	2,696,026	7,775,110.4	\$27,575.03	\$28,816.54
55	96	279,444	5,280.0	2,701,306	7,769,830.4	\$43,472.16	\$45,427.63
55.1	80	279,524	4,408.0	2,705,714	7,765,422.4	\$36,289.62	\$37,920.54



**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
55.2	78	279,602	4,305.6	2,710,020	7,761,116.8	\$35,443.63	\$37,035.09
55.3	90	279,692	4,977.0	2,714,997	7,756,139.8	\$40,967.17	\$42,805.00
55.4	74	279,766	4,099.6	2,719,097	7,752,040.2	\$33,742.22	\$35,254.58
55.5	80	279,846	4,440.0	2,723,537	7,747,600.2	\$36,540.90	\$38,177.24
55.6	79	279,925	4,392.4	2,727,929	7,743,207.8	\$36,146.17	\$37,763.39
55.7	74	279,999	4,121.8	2,732,051	7,739,086.0	\$33,916.55	\$35,432.67
55.8	68	280,067	3,794.4	2,735,845	7,735,291.6	\$31,219.96	\$32,614.30
55.9	90	280,157	5,031.0	2,740,876	7,730,260.6	\$41,391.20	\$43,238.18
56	87	280,244	4,872.0	2,745,748	7,725,388.6	\$40,079.81	\$41,866.70
56.1	79	280,323	4,431.9	2,750,180	7,720,956.7	\$36,456.35	\$38,080.26
56.2	80	280,403	4,496.0	2,754,676	7,716,460.7	\$36,980.64	\$38,626.46
56.3	89	280,492	5,010.7	2,759,687	7,711,450.0	\$41,210.85	\$43,043.33
56.4	81	280,573	4,568.4	2,764,255	7,706,881.6	\$37,570.11	\$39,239.25
56.5	81	280,654	4,576.5	2,768,832	7,702,305.1	\$37,633.71	\$39,304.23
56.6	80	280,734	4,528.0	2,773,360	7,697,777.1	\$37,231.92	\$38,883.16
56.7	76	280,810	4,309.2	2,777,669	7,693,467.9	\$35,430.00	\$36,999.97
56.8	66	280,876	3,748.8	2,781,418	7,689,719.1	\$30,819.99	\$32,184.50
56.9	75	280,951	4,267.5	2,785,685	7,685,451.6	\$35,081.61	\$36,633.46
57	96	281,047	5,472.0	2,791,157	7,679,979.6	\$44,979.84	\$46,967.84
57.1	68	281,115	3,882.8	2,795,040	7,676,096.8	\$31,914.12	\$33,323.43
57.2	82	281,197	4,690.4	2,799,730	7,671,406.4	\$38,549.06	\$40,249.92
57.3	63	281,260	3,609.9	2,803,340	7,667,796.5	\$29,666.43	\$30,974.26
57.4	84	281,344	4,821.6	2,808,162	7,662,974.9	\$39,621.20	\$41,366.39
57.5	64	281,408	3,680.0	2,811,842	7,659,294.9	\$30,237.84	\$31,568.59
57.6	85	281,493	4,896.0	2,816,738	7,654,398.9	\$40,226.38	\$41,995.22
57.7	70	281,563	4,039.0	2,820,777	7,650,359.9	\$33,182.57	\$34,640.45
57.8	84	281,647	4,855.2	2,825,632	7,645,504.7	\$39,885.05	\$41,635.93
57.9	62	281,709	3,589.8	2,829,222	7,641,914.9	\$29,487.65	\$30,781.02
58	77	281,786	4,466.0	2,833,688	7,637,448.9	\$36,682.22	\$38,289.81
58.1	69	281,855	4,008.9	2,837,697	7,633,440.0	\$32,925.26	\$34,366.99
58.2	73	281,928	4,248.6	2,841,945	7,629,191.4	\$34,891.30	\$36,417.84
58.3	64	281,992	3,731.2	2,845,677	7,625,460.2	\$30,639.89	\$31,979.31
58.4	78	282,070	4,555.2	2,850,232	7,620,905.0	\$37,403.61	\$39,037.36
58.5	91	282,161	5,323.5	2,855,555	7,615,581.5	\$43,709.01	\$45,616.58
58.6	76	282,237	4,453.6	2,860,009	7,611,127.9	\$36,563.90	\$38,158.33
58.7	61	282,298	3,580.7	2,863,590	7,607,547.2	\$29,395.24	\$30,676.02
58.8	54	282,352	3,175.2	2,866,765	7,604,372.0	\$26,064.42	\$27,199.14
58.9	84	282,436	4,947.6	2,871,712	7,599,424.4	\$40,610.62	\$42,377.15
59	76	282,512	4,484.0	2,876,196	7,594,940.4	\$36,802.62	\$38,402.20
59.1	79	282,591	4,668.9	2,880,865	7,590,271.5	\$38,317.39	\$39,981.45
59.2	75	282,666	4,440.0	2,885,305	7,585,831.5	\$36,436.16	\$38,017.24
59.3	70	282,736	4,151.0	2,889,456	7,581,680.5	\$34,062.05	\$35,538.91
59.4	84	282,820	4,989.6	2,894,446	7,576,690.9	\$40,940.42	\$42,714.07
59.5	75	282,895	4,462.5	2,898,908	7,572,228.4	\$36,612.84	\$38,197.73
59.6	84	282,979	5,006.4	2,903,915	7,567,222.0	\$41,072.35	\$42,848.84
59.7	75	283,054	4,477.5	2,908,392	7,562,744.5	\$36,730.63	\$38,318.06

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
59.8	59	283,113	3,528.2	2,911,920	7,559,216.3	\$28,941.09	\$30,190.87
59.9	68	283,181	4,073.2	2,915,994	7,555,143.1	\$33,409.23	\$34,850.80
60	73	283,254	4,380.0	2,920,374	7,550,763.1	\$35,923.12	\$37,471.92
60.1	66	283,320	3,966.6	2,924,340	7,546,796.5	\$32,530.26	\$33,931.67
60.2	74	283,394	4,454.8	2,928,795	7,542,341.7	\$36,531.43	\$38,103.96
60.3	75	283,469	4,522.5	2,933,318	7,537,819.2	\$37,083.99	\$38,679.04
60.4	71	283,540	4,288.4	2,937,606	7,533,530.8	\$35,161.93	\$36,673.12
60.5	75	283,615	4,537.5	2,942,143	7,528,993.3	\$37,201.78	\$38,799.37
60.6	63	283,678	3,817.8	2,945,961	7,525,175.5	\$31,298.97	\$32,642.01
60.7	60	283,738	3,642.0	2,949,603	7,521,533.5	\$29,855.66	\$31,135.76
60.8	74	283,812	4,499.2	2,954,102	7,517,034.3	\$36,880.08	\$38,460.13
60.9	75	283,887	4,567.5	2,958,670	7,512,466.8	\$37,437.36	\$39,040.03
61	71	283,958	4,331.0	2,963,001	7,508,135.8	\$35,496.45	\$37,014.85
61.1	81	284,039	4,949.1	2,967,950	7,503,186.7	\$40,559.56	\$42,293.19
61.2	69	284,108	4,222.8	2,972,173	7,498,963.9	\$34,604.91	\$36,082.88
61.3	69	284,177	4,229.7	2,976,403	7,494,734.2	\$34,659.10	\$36,138.23
61.4	69	284,246	4,236.6	2,980,639	7,490,497.6	\$34,713.28	\$36,193.58
61.5	66	284,312	4,059.0	2,984,698	7,486,438.6	\$33,255.83	\$34,672.89
61.6	60	284,372	3,696.0	2,988,394	7,482,742.6	\$30,279.69	\$31,568.94
61.7	79	284,451	4,874.3	2,993,268	7,477,868.3	\$39,930.29	\$41,629.15
61.8	62	284,513	3,831.6	2,997,100	7,474,036.7	\$31,386.38	\$32,720.71
61.9	68	284,581	4,209.2	3,001,309	7,469,827.5	\$34,477.17	\$35,941.78
62	79	284,660	4,898.0	3,006,207	7,464,929.5	\$40,116.40	\$41,819.27
62.1	69	284,729	4,284.9	3,010,492	7,460,644.6	\$35,092.55	\$36,581.04
62.2	66	284,795	4,105.2	3,014,597	7,456,539.4	\$33,618.62	\$35,043.50
62.3	52	284,847	3,239.6	3,017,837	7,453,299.8	\$26,528.23	\$27,651.75
62.4	68	284,915	4,243.2	3,022,080	7,449,056.6	\$34,744.16	\$36,214.53
62.5	53	284,968	3,312.5	3,025,393	7,445,744.1	\$27,121.62	\$28,268.54
62.6	62	285,030	3,881.2	3,029,274	7,441,862.9	\$31,775.87	\$33,118.60
62.7	79	285,109	4,953.3	3,034,227	7,436,909.6	\$40,550.64	\$42,262.88
62.8	65	285,174	4,082.0	3,038,309	7,432,827.6	\$33,415.49	\$34,825.40
62.9	70	285,244	4,403.0	3,042,712	7,428,424.6	\$36,040.88	\$37,560.43
63	77	285,321	4,851.0	3,047,563	7,423,573.6	\$39,705.44	\$41,378.24
63.1	51	285,372	3,218.1	3,050,781	7,420,355.5	\$26,338.45	\$27,447.28
63.2	59	285,431	3,728.8	3,054,510	7,416,626.7	\$30,516.30	\$31,800.06
63.3	64	285,495	4,051.2	3,058,561	7,412,575.5	\$33,152.69	\$34,546.32
63.4	77	285,572	4,881.8	3,063,443	7,407,693.7	\$39,947.29	\$41,625.31
63.5	65	285,637	4,127.5	3,067,571	7,403,566.2	\$33,772.78	\$35,190.39
63.6	61	285,698	3,879.6	3,071,450	7,399,686.6	\$31,742.36	\$33,073.76
63.7	50	285,748	3,185.0	3,074,635	7,396,501.6	\$26,057.59	\$27,149.75
63.8	62	285,810	3,955.6	3,078,591	7,392,546.0	\$32,360.09	\$33,715.43
63.9	69	285,879	4,409.1	3,083,000	7,388,136.9	\$36,067.84	\$37,577.36
64	58	285,937	3,712.0	3,086,712	7,384,424.9	\$30,363.44	\$31,633.29
64.1	64	286,001	4,102.4	3,090,814	7,380,322.5	\$33,554.74	\$34,957.04
64.2	55	286,056	3,531.0	3,094,345	7,376,791.5	\$28,879.29	\$30,085.33
64.3	61	286,117	3,922.3	3,098,268	7,372,869.2	\$32,077.66	\$33,416.30

## RATE SCHEDULE N (Commerical/Industrial)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
64.4	45	286,162	2,898.0	3,101,166	7,369,971.2	\$23,699.18	\$24,687.47
64.5	52	286,214	3,354.0	3,104,520	7,366,617.2	\$27,426.56	\$28,569.45
64.6	64	286,278	4,134.4	3,108,654	7,362,482.8	\$33,806.02	\$35,213.74
64.7	61	286,339	3,946.7	3,112,601	7,358,536.1	\$32,269.26	\$33,612.03
64.8	65	286,404	4,212.0	3,116,813	7,354,324.1	\$34,436.32	\$35,868.24
64.9	74	286,478	4,802.6	3,121,615	7,349,521.5	\$39,262.53	\$40,893.98
65	76	286,554	4,940.0	3,126,555	7,344,581.5	\$40,383.36	\$42,060.19
65.1	55	286,609	3,580.5	3,130,136	7,341,001.0	\$29,267.99	\$30,482.41
65.2	56	286,665	3,651.2	3,133,787	7,337,349.8	\$29,844.11	\$31,081.56
65.3	48	286,713	3,134.4	3,136,921	7,334,215.4	\$25,618.36	\$26,679.84
65.4	55	286,768	3,597.0	3,140,518	7,330,618.4	\$29,397.56	\$30,614.77
65.5	59	286,827	3,864.5	3,144,383	7,326,753.9	\$31,581.89	\$32,888.63
65.6	65	286,892	4,264.0	3,148,647	7,322,489.9	\$34,844.65	\$36,285.38
65.7	57	286,949	3,744.9	3,152,392	7,318,745.0	\$30,600.83	\$31,865.21
65.8	50	286,999	3,290.0	3,155,682	7,315,455.0	\$26,882.10	\$27,992.05
65.9	61	287,060	4,019.9	3,159,702	7,311,435.1	\$32,844.06	\$34,199.24
66	64	287,124	4,224.0	3,163,926	7,307,211.1	\$34,509.60	\$35,932.51
66.1	55	287,179	3,635.5	3,167,561	7,303,575.6	\$29,699.88	\$30,923.62
66.2	47	287,226	3,111.4	3,170,673	7,300,464.2	\$25,416.80	\$26,463.34
66.3	53	287,279	3,513.9	3,174,186	7,296,950.3	\$28,703.12	\$29,884.15
66.4	62	287,341	4,116.8	3,178,303	7,292,833.5	\$33,625.92	\$35,008.56
66.5	50	287,391	3,325.0	3,181,628	7,289,508.5	\$27,156.94	\$28,272.82
66.6	63	287,454	4,195.8	3,185,824	7,285,312.7	\$34,267.21	\$35,674.29
66.7	55	287,509	3,668.5	3,189,493	7,281,644.2	\$29,959.01	\$31,188.34
66.8	59	287,568	3,941.2	3,193,434	7,277,703.0	\$32,184.18	\$33,503.91
66.9	43	287,611	2,876.7	3,196,310	7,274,826.3	\$23,490.03	\$24,452.60
67	59	287,670	3,953.0	3,200,263	7,270,873.3	\$32,276.84	\$33,598.57
67.1	45	287,715	3,019.5	3,203,283	7,267,853.8	\$24,653.26	\$25,662.13
67.2	50	287,765	3,360.0	3,206,643	7,264,493.8	\$27,431.78	\$28,553.58
67.3	57	287,822	3,836.1	3,210,479	7,260,657.7	\$31,316.98	\$32,596.81
67.4	50	287,872	3,370.0	3,213,849	7,257,287.7	\$27,510.30	\$28,633.80
67.5	53	287,925	3,577.5	3,217,427	7,253,710.2	\$29,202.54	\$30,394.35
67.6	55	287,980	3,718.0	3,221,145	7,249,992.2	\$30,347.71	\$31,585.42
67.7	47	288,027	3,181.9	3,224,326	7,246,810.3	\$25,970.40	\$27,028.88
67.8	51	288,078	3,457.8	3,227,784	7,243,352.5	\$28,220.70	\$29,370.13
67.9	57	288,135	3,870.3	3,231,655	7,239,482.2	\$31,585.54	\$32,871.16
68	67	288,202	4,556.0	3,236,211	7,234,926.2	\$37,179.47	\$38,691.78
68.1	51	288,253	3,473.1	3,239,684	7,231,453.1	\$28,340.84	\$29,492.86
68.2	51	288,304	3,478.2	3,243,162	7,227,974.9	\$28,380.89	\$29,533.77
68.3	61	288,365	4,166.3	3,247,328	7,223,808.6	\$33,993.67	\$35,373.64
68.4	53	288,418	3,625.2	3,250,953	7,220,183.4	\$29,577.10	\$30,776.99
68.5	61	288,479	4,178.5	3,255,132	7,216,004.9	\$34,089.47	\$35,471.51
68.6	57	288,536	3,910.2	3,259,042	7,212,094.7	\$31,898.85	\$33,191.23
68.7	50	288,586	3,435.0	3,262,477	7,208,659.7	\$28,020.71	\$29,155.23
68.8	62	288,648	4,265.6	3,266,743	7,204,394.1	\$34,794.37	\$36,202.22
68.9	53	288,701	3,651.7	3,270,394	7,200,742.4	\$29,785.19	\$30,989.57

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
69	58	288,759	4,002.0	3,274,396	7,196,740.4	\$32,640.66	\$33,959.64
69.1	45	288,804	3,109.5	3,277,506	7,193,630.9	\$25,359.99	\$26,384.10
69.2	55	288,859	3,806.0	3,281,312	7,189,824.9	\$31,038.73	\$32,291.35
69.3	46	288,905	3,187.8	3,284,500	7,186,637.1	\$25,995.78	\$27,044.21
69.4	51	288,956	3,539.4	3,288,039	7,183,097.7	\$28,861.46	\$30,024.71
69.5	71	289,027	4,934.5	3,292,974	7,178,163.2	\$40,235.43	\$41,856.07
69.6	44	289,071	3,062.4	3,296,036	7,175,100.8	\$24,969.19	\$25,974.27
69.7	51	289,122	3,554.7	3,299,591	7,171,546.1	\$28,981.60	\$30,147.45
69.8	46	289,168	3,210.8	3,302,801	7,168,335.3	\$26,176.39	\$27,228.72
69.9	48	289,216	3,355.2	3,306,157	7,164,980.1	\$27,352.19	\$28,451.08
70	63	289,279	4,410.0	3,310,567	7,160,570.1	\$35,949.22	\$37,392.58
70.1	58	289,337	4,065.8	3,314,632	7,156,504.3	\$33,141.65	\$34,471.44
70.2	53	289,390	3,720.6	3,318,353	7,152,783.7	\$30,326.23	\$31,542.28
70.3	53	289,443	3,725.9	3,322,079	7,149,057.8	\$30,367.85	\$31,584.80
70.4	44	289,487	3,097.6	3,325,177	7,145,960.2	\$25,245.59	\$26,256.64
70.5	45	289,532	3,172.5	3,328,349	7,142,787.7	\$25,854.69	\$26,889.48
70.6	51	289,583	3,600.6	3,331,950	7,139,187.1	\$29,342.03	\$30,515.65
70.7	50	289,633	3,535.0	3,335,485	7,135,652.1	\$28,805.96	\$29,957.42
70.8	51	289,684	3,610.8	3,339,095	7,132,041.3	\$29,422.13	\$30,597.48
70.9	41	289,725	2,906.9	3,342,002	7,129,134.4	\$23,685.28	\$24,630.86
71	61	289,786	4,331.0	3,346,333	7,124,803.4	\$35,286.98	\$36,694.85
71.1	52	289,838	3,697.2	3,350,031	7,121,106.2	\$30,121.53	\$31,322.57
71.2	48	289,886	3,417.6	3,353,448	7,117,688.6	\$27,842.18	\$28,951.65
71.3	54	289,940	3,850.2	3,357,298	7,113,838.4	\$31,364.86	\$32,613.92
71.4	57	289,997	4,069.8	3,361,368	7,109,768.6	\$33,152.11	\$34,471.53
71.5	50	290,047	3,575.0	3,364,943	7,106,193.6	\$29,120.06	\$30,278.29
71.6	45	290,092	3,222.0	3,368,165	7,102,971.6	\$26,243.39	\$27,286.56
71.7	71	290,163	5,090.7	3,373,256	7,097,880.9	\$41,461.99	\$43,109.09
71.8	34	290,197	2,441.2	3,375,697	7,095,439.7	\$19,881.74	\$20,671.06
71.9	46	290,243	3,307.4	3,379,004	7,092,132.3	\$26,934.94	\$28,003.63
72	54	290,297	3,888.0	3,382,892	7,088,244.3	\$31,661.69	\$32,917.15
72.1	55	290,352	3,965.5	3,386,858	7,084,278.8	\$32,291.20	\$33,570.84
72.2	45	290,397	3,249.0	3,390,107	7,081,029.8	\$26,455.41	\$27,503.15
72.3	41	290,438	2,964.3	3,393,071	7,078,065.5	\$24,136.01	\$25,091.32
72.4	41	290,479	2,968.4	3,396,040	7,075,097.1	\$24,168.21	\$25,124.21
72.5	47	290,526	3,407.5	3,399,447	7,071,689.6	\$27,741.93	\$28,838.62
72.6	33	290,559	2,395.8	3,401,843	7,069,293.8	\$19,504.29	\$20,274.87
72.7	44	290,603	3,198.8	3,405,042	7,066,095.0	\$26,040.27	\$27,068.45
72.8	53	290,656	3,858.4	3,408,900	7,062,236.6	\$31,408.30	\$32,647.70
72.9	43	290,699	3,134.7	3,412,035	7,059,101.9	\$25,515.97	\$26,522.25
73	61	290,760	4,453.0	3,416,488	7,054,648.9	\$36,244.98	\$37,673.52
73.1	56	290,816	4,093.6	3,420,581	7,050,555.3	\$33,318.05	\$34,630.45
73.2	60	290,876	4,392.0	3,424,973	7,046,163.3	\$35,745.03	\$37,152.18
73.3	35	290,911	2,565.5	3,427,539	7,043,597.8	\$20,878.75	\$21,700.18
73.4	47	290,958	3,449.8	3,430,989	7,040,148.0	\$28,074.09	\$29,177.95
73.5	52	291,010	3,822.0	3,434,811	7,036,326.0	\$31,101.53	\$32,323.70

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
73.6	42	291,052	3,091.2	3,437,902	7,033,234.8	\$25,153.44	\$26,141.30
73.7	32	291,084	2,358.4	3,440,260	7,030,876.4	\$19,189.66	\$19,942.85
73.8	59	291,143	4,354.2	3,444,615	7,026,522.2	\$35,427.26	\$36,816.96
73.9	46	291,189	3,399.4	3,448,014	7,023,122.8	\$27,657.37	\$28,741.65
74	58	291,247	4,292.0	3,452,306	7,018,830.8	\$34,917.89	\$36,285.99
74.1	46	291,293	3,408.6	3,455,715	7,015,422.2	\$27,729.62	\$28,815.45
74.2	42	291,335	3,116.4	3,458,831	7,012,305.8	\$25,351.33	\$26,343.45
74.3	47	291,382	3,492.1	3,462,323	7,008,813.7	\$28,406.25	\$29,517.28
74.4	45	291,427	3,348.0	3,465,671	7,005,465.7	\$27,232.81	\$28,297.32
74.5	56	291,483	4,172.0	3,469,843	7,001,293.7	\$33,933.69	\$35,259.37
74.6	31	291,514	2,312.6	3,472,156	6,998,981.1	\$18,809.06	\$19,543.45
74.7	43	291,557	3,212.1	3,475,368	6,995,769.0	\$26,123.76	\$27,143.14
74.8	41	291,598	3,066.8	3,478,435	6,992,702.2	\$24,940.89	\$25,913.56
74.9	42	291,640	3,145.8	3,481,580	6,989,556.4	\$25,582.19	\$26,579.29
75	49	291,689	3,675.0	3,485,255	6,985,881.4	\$29,884.37	\$31,048.48
75.1	39	291,728	2,928.9	3,488,184	6,982,952.5	\$23,816.14	\$24,743.34
75.2	42	291,770	3,158.4	3,491,343	6,979,794.1	\$25,681.13	\$26,680.37
75.3	39	291,809	2,936.7	3,494,279	6,976,857.4	\$23,877.39	\$24,805.91
75.4	47	291,856	3,543.8	3,497,823	6,973,313.6	\$28,812.22	\$29,932.01
75.5	50	291,906	3,775.0	3,501,598	6,969,538.6	\$30,690.56	\$31,882.67
75.6	45	291,951	3,402.0	3,505,000	6,966,136.6	\$27,656.84	\$28,730.50
75.7	39	291,990	2,952.3	3,507,952	6,963,184.3	\$23,999.89	\$24,931.06
75.8	44	292,034	3,335.2	3,511,288	6,959,849.1	\$27,111.35	\$28,162.64
75.9	33	292,067	2,504.7	3,513,792	6,957,344.4	\$20,359.42	\$21,148.45
76	54	292,121	4,104.0	3,517,896	6,953,240.4	\$33,357.83	\$34,649.88
76.1	48	292,169	3,652.8	3,521,549	6,949,587.6	\$29,689.09	\$30,838.40
76.2	49	292,218	3,733.8	3,525,283	6,945,853.8	\$30,346.09	\$31,520.17
76.3	45	292,263	3,433.5	3,528,716	6,942,420.3	\$27,904.20	\$28,983.19
76.4	39	292,302	2,979.6	3,531,696	6,939,440.7	\$24,214.26	\$25,150.05
76.5	40	292,342	3,060.0	3,534,756	6,936,380.7	\$24,866.55	\$25,827.01
76.6	45	292,387	3,447.0	3,538,203	6,932,933.7	\$28,010.21	\$29,091.49
76.7	43	292,430	3,298.1	3,541,501	6,929,635.6	\$26,799.07	\$27,833.03
76.8	32	292,462	2,457.6	3,543,959	6,927,178.0	\$19,968.62	\$20,738.62
76.9	55	292,517	4,229.5	3,548,188	6,922,948.5	\$34,364.26	\$35,688.63
77	49	292,566	3,773.0	3,551,961	6,919,175.5	\$30,653.91	\$31,834.63
77.1	50	292,616	3,855.0	3,555,816	6,915,320.5	\$31,318.76	\$32,524.42
77.2	36	292,652	2,779.2	3,558,595	6,912,541.3	\$22,577.78	\$23,446.46
77.3	47	292,699	3,633.1	3,562,229	6,908,908.2	\$29,513.45	\$30,648.36
77.4	27	292,726	2,089.8	3,564,318	6,906,818.4	\$16,975.74	\$17,628.17
77.5	42	292,768	3,255.0	3,567,573	6,903,563.4	\$26,439.68	\$27,455.28
77.6	42	292,810	3,259.2	3,570,833	6,900,304.2	\$26,472.66	\$27,488.98
77.7	49	292,859	3,807.3	3,574,640	6,896,496.9	\$30,923.25	\$32,109.78
77.8	39	292,898	3,034.2	3,577,674	6,893,462.7	\$24,643.01	\$25,588.05
77.9	44	292,942	3,427.6	3,581,102	6,890,035.1	\$27,836.92	\$28,903.86
78	43	292,985	3,354.0	3,584,456	6,886,681.1	\$27,238.03	\$28,281.45
78.1	40	293,025	3,124.0	3,587,580	6,883,557.1	\$25,369.11	\$26,340.42

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
78.2	36	293,061	2,815.2	3,590,395	6,880,741.9	\$22,860.47	\$23,735.25
78.3	37	293,098	2,897.1	3,593,292	6,877,844.8	\$23,524.54	\$24,424.25
78.4	35	293,133	2,744.0	3,596,036	6,875,100.8	\$22,280.42	\$23,132.09
78.5	31	293,164	2,433.5	3,598,469	6,872,667.3	\$19,758.43	\$20,513.29
78.6	40	293,204	3,144.0	3,601,613	6,869,523.3	\$25,526.16	\$26,500.85
78.7	46	293,250	3,620.2	3,605,234	6,865,903.1	\$29,391.21	\$30,512.88
78.8	39	293,289	3,073.2	3,608,307	6,862,829.9	\$24,949.26	\$25,900.90
78.9	40	293,329	3,156.0	3,611,463	6,859,673.9	\$25,620.39	\$26,597.12
79	38	293,367	3,002.0	3,614,465	6,856,671.9	\$24,369.21	\$25,297.74
79.1	38	293,405	3,005.8	3,617,471	6,853,666.1	\$24,399.05	\$25,328.23
79.2	33	293,438	2,613.6	3,620,084	6,851,052.5	\$21,214.56	\$22,022.04
79.3	50	293,488	3,965.0	3,624,049	6,847,087.5	\$32,182.54	\$33,406.83
79.4	41	293,529	3,255.4	3,627,305	6,843,832.1	\$26,421.88	\$27,426.49
79.5	38	293,567	3,021.0	3,630,326	6,840,811.1	\$24,518.41	\$25,450.16
79.6	39	293,606	3,104.4	3,633,430	6,837,706.7	\$25,194.25	\$26,151.19
79.7	30	293,636	2,391.0	3,635,821	6,835,315.7	\$19,403.75	\$20,140.36
79.8	44	293,680	3,511.2	3,639,332	6,831,804.5	\$28,493.39	\$29,574.50
79.9	30	293,710	2,397.0	3,641,729	6,829,407.5	\$19,450.87	\$20,188.49
80	49	293,759	3,920.0	3,645,649	6,825,487.5	\$31,808.23	\$33,013.85
80.1	33	293,792	2,643.3	3,648,293	6,822,844.2	\$21,447.78	\$22,260.29
80.2	34	293,826	2,726.8	3,651,019	6,820,117.4	\$22,124.41	\$22,962.12
80.3	45	293,871	3,613.5	3,654,633	6,816,503.9	\$29,317.65	\$30,427.14
80.4	33	293,904	2,653.2	3,657,286	6,813,850.7	\$21,525.52	\$22,339.71
80.5	44	293,948	3,542.0	3,660,828	6,810,308.7	\$28,735.25	\$29,821.57
80.6	39	293,987	3,143.4	3,663,971	6,807,165.3	\$25,500.50	\$26,464.04
80.7	30	294,017	2,421.0	3,666,392	6,804,744.3	\$19,639.33	\$20,381.02
80.8	28	294,045	2,262.4	3,668,655	6,802,481.9	\$18,352.03	\$19,044.75
80.9	45	294,090	3,640.5	3,672,295	6,798,841.4	\$29,529.66	\$30,643.73
81	45	294,135	3,645.0	3,675,940	6,795,196.4	\$29,565.00	\$30,679.83
81.1	31	294,166	2,514.1	3,678,454	6,792,682.3	\$20,391.34	\$21,159.86
81.2	38	294,204	3,085.6	3,681,540	6,789,596.7	\$25,025.68	\$25,968.37
81.3	45	294,249	3,658.5	3,685,199	6,785,938.2	\$29,671.01	\$30,788.12
81.4	41	294,290	3,337.4	3,688,536	6,782,600.8	\$27,065.78	\$28,084.29
81.5	44	294,334	3,586.0	3,692,122	6,779,014.8	\$29,080.76	\$30,174.53
81.6	29	294,363	2,366.4	3,694,488	6,776,648.4	\$19,189.63	\$19,911.02
81.7	37	294,400	3,022.9	3,697,511	6,773,625.5	\$24,512.38	\$25,433.40
81.8	40	294,440	3,272.0	3,700,783	6,770,353.5	\$26,531.28	\$27,527.66
81.9	40	294,480	3,276.0	3,704,059	6,767,077.5	\$26,562.69	\$27,559.74
82	36	294,516	2,952.0	3,707,011	6,764,125.5	\$23,934.69	\$24,832.65
82.1	39	294,555	3,201.9	3,710,213	6,760,923.6	\$25,959.87	\$26,933.32
82.2	41	294,596	3,370.2	3,713,583	6,757,553.4	\$27,323.34	\$28,347.41
82.3	33	294,629	2,715.9	3,716,299	6,754,837.5	\$22,017.87	\$22,842.68
82.4	48	294,677	3,955.2	3,720,254	6,750,882.3	\$32,063.69	\$33,264.22
82.5	41	294,718	3,382.5	3,723,637	6,747,499.8	\$27,419.93	\$28,446.08
82.6	35	294,753	2,891.0	3,726,528	6,744,608.8	\$23,434.74	\$24,311.31
82.7	38	294,791	3,142.6	3,729,671	6,741,466.2	\$25,473.27	\$26,425.62

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
82.8	35	294,826	2,898.0	3,732,569	6,738,568.2	\$23,489.71	\$24,367.47
82.9	35	294,861	2,901.5	3,735,470	6,735,666.7	\$23,517.19	\$24,395.54
83	47	294,908	3,901.0	3,739,371	6,731,765.7	\$31,617.14	\$32,797.43
83.1	41	294,949	3,407.1	3,742,778	6,728,358.6	\$27,613.10	\$28,643.42
83.2	36	294,985	2,995.2	3,745,773	6,725,363.4	\$24,273.92	\$25,179.19
83.3	43	295,028	3,581.9	3,749,355	6,721,781.5	\$29,027.61	\$30,109.64
83.4	49	295,077	4,086.6	3,753,442	6,717,694.9	\$33,116.45	\$34,350.30
83.5	30	295,107	2,505.0	3,755,947	6,715,189.9	\$20,298.94	\$21,054.86
83.6	42	295,149	3,511.2	3,759,458	6,711,678.7	\$28,451.49	\$29,510.50
83.7	32	295,181	2,678.4	3,762,136	6,709,000.3	\$21,702.46	\$22,509.86
83.8	25	295,206	2,095.0	3,764,231	6,706,905.3	\$16,974.68	\$17,605.88
83.9	36	295,242	3,020.4	3,767,252	6,703,884.9	\$24,471.80	\$25,381.35
84	40	295,282	3,360.0	3,770,612	6,700,524.9	\$27,222.30	\$28,233.58
84.1	41	295,323	3,448.1	3,774,060	6,697,076.8	\$27,935.05	\$28,972.31
84.2	37	295,360	3,115.4	3,777,175	6,693,961.4	\$25,238.74	\$26,175.43
84.3	36	295,396	3,034.8	3,780,210	6,690,926.6	\$24,584.88	\$25,496.86
84.4	44	295,440	3,713.6	3,783,924	6,687,213.0	\$30,082.73	\$31,198.13
84.5	29	295,469	2,450.5	3,786,374	6,684,762.5	\$19,850.03	\$20,585.67
84.6	47	295,516	3,976.2	3,790,350	6,680,786.3	\$32,207.64	\$33,400.68
84.7	40	295,556	3,388.0	3,793,738	6,677,398.3	\$27,442.17	\$28,458.20
84.8	31	295,587	2,628.8	3,796,367	6,674,769.5	\$21,292.02	\$22,079.97
84.9	28	295,615	2,377.2	3,798,744	6,672,392.3	\$19,253.49	\$19,965.66
85	46	295,661	3,910.0	3,802,654	6,668,482.3	\$31,666.86	\$32,837.63
85.1	41	295,702	3,489.1	3,806,144	6,664,993.2	\$28,257.01	\$29,301.21
85.2	40	295,742	3,408.0	3,809,552	6,661,585.2	\$27,599.22	\$28,618.64
85.3	43	295,785	3,667.9	3,813,219	6,657,917.3	\$29,702.93	\$30,799.53
85.4	29	295,814	2,476.6	3,815,696	6,655,440.7	\$20,054.98	\$20,795.04
85.5	38	295,852	3,249.0	3,818,945	6,652,191.7	\$26,308.78	\$27,279.15
85.6	32	295,884	2,739.2	3,821,684	6,649,452.5	\$22,179.89	\$22,997.59
85.7	26	295,910	2,228.2	3,823,912	6,647,224.3	\$18,041.58	\$18,706.40
85.8	44	295,954	3,775.2	3,827,688	6,643,449.1	\$30,566.45	\$31,692.28
85.9	52	296,006	4,466.8	3,832,154	6,638,982.3	\$36,164.82	\$37,496.22
86	40	296,046	3,440.0	3,835,594	6,635,542.3	\$27,850.50	\$28,875.34
86.1	32	296,078	2,755.2	3,838,350	6,632,787.1	\$22,305.53	\$23,125.94
86.2	25	296,103	2,155.0	3,840,505	6,630,632.1	\$17,445.83	\$18,087.19
86.3	29	296,132	2,502.7	3,843,007	6,628,129.4	\$20,259.93	\$21,004.41
86.4	39	296,171	3,369.6	3,846,377	6,624,759.8	\$27,276.74	\$28,278.59
86.5	35	296,206	3,027.5	3,849,404	6,621,732.3	\$24,506.61	\$25,406.30
86.6	32	296,238	2,771.2	3,852,176	6,618,961.1	\$22,431.17	\$23,254.29
86.7	37	296,275	3,207.9	3,855,384	6,615,753.2	\$25,965.09	\$26,917.45
86.8	35	296,310	3,038.0	3,858,422	6,612,715.2	\$24,589.06	\$25,490.53
86.9	47	296,357	4,084.3	3,862,506	6,608,630.9	\$33,056.50	\$34,267.85
87	39	296,396	3,393.0	3,865,899	6,605,237.9	\$27,460.49	\$28,466.31
87.1	37	296,433	3,222.7	3,869,122	6,602,015.2	\$26,081.31	\$27,036.18
87.2	26	296,459	2,267.2	3,871,389	6,599,748.0	\$18,347.82	\$19,019.25
87.3	36	296,495	3,142.8	3,874,532	6,596,605.2	\$25,432.95	\$26,363.23

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
87.4	32	296,527	2,796.8	3,877,328	6,593,808.4	\$22,632.19	\$23,459.65
87.5	27	296,554	2,362.5	3,879,691	6,591,445.9	\$19,117.11	\$19,815.74
87.6	40	296,594	3,504.0	3,883,195	6,587,941.9	\$28,353.06	\$29,388.74
87.7	31	296,625	2,718.7	3,885,914	6,585,223.2	\$21,997.96	\$22,801.14
87.8	34	296,659	2,985.2	3,888,899	6,582,238.0	\$24,153.50	\$25,034.98
87.9	39	296,698	3,428.1	3,892,327	6,578,809.9	\$27,736.11	\$28,747.88
88	35	296,733	3,080.0	3,895,407	6,575,729.9	\$24,918.86	\$25,827.45
88.1	34	296,767	2,995.4	3,898,402	6,572,734.5	\$24,233.59	\$25,116.80
88.2	27	296,794	2,381.4	3,900,784	6,570,353.1	\$19,265.53	\$19,967.35
88.3	28	296,822	2,472.4	3,903,256	6,567,880.7	\$20,001.05	\$20,729.35
88.4	34	296,856	3,005.6	3,906,262	6,564,875.1	\$24,313.69	\$25,198.62
88.5	27	296,883	2,389.5	3,908,651	6,562,485.6	\$19,329.13	\$20,032.33
88.6	38	296,921	3,366.8	3,912,018	6,559,118.8	\$27,233.80	\$28,224.13
88.7	31	296,952	2,749.7	3,914,768	6,556,369.1	\$22,241.39	\$23,049.82
88.8	26	296,978	2,308.8	3,917,076	6,554,060.3	\$18,674.49	\$19,352.96
88.9	35	297,013	3,111.5	3,920,188	6,550,948.8	\$25,166.22	\$26,080.14
89	38	297,051	3,382.0	3,923,570	6,547,566.8	\$27,353.16	\$28,346.07
89.1	40	297,091	3,564.0	3,927,134	6,544,002.8	\$28,824.21	\$29,870.05
89.2	34	297,125	3,032.8	3,930,167	6,540,970.0	\$24,527.28	\$25,416.82
89.3	34	297,159	3,036.2	3,933,203	6,537,933.8	\$24,553.98	\$25,444.09
89.4	25	297,184	2,235.0	3,935,438	6,535,698.8	\$18,074.03	\$18,728.95
89.5	30	297,214	2,685.0	3,938,123	6,533,013.8	\$21,712.39	\$22,498.80
89.6	31	297,245	2,777.6	3,940,901	6,530,236.2	\$22,460.48	\$23,273.63
89.7	39	297,284	3,498.3	3,944,399	6,526,737.9	\$28,287.35	\$29,311.01
89.8	26	297,310	2,334.8	3,946,734	6,524,403.1	\$18,878.65	\$19,561.53
89.9	26	297,336	2,337.4	3,949,071	6,522,065.7	\$18,899.07	\$19,582.39
90	43	297,379	3,870.0	3,952,941	6,518,195.7	\$31,289.92	\$32,420.75
90.1	40	297,419	3,604.0	3,956,545	6,514,591.7	\$29,138.31	\$30,190.93
90.2	41	297,460	3,698.2	3,960,243	6,510,893.5	\$29,898.96	\$30,978.59
90.3	27	297,487	2,438.1	3,962,681	6,508,455.4	\$19,710.76	\$20,422.19
90.4	27	297,514	2,440.8	3,965,122	6,506,014.6	\$19,731.96	\$20,443.85
90.5	41	297,555	3,710.5	3,968,833	6,502,304.1	\$29,995.55	\$31,077.26
90.6	34	297,589	3,080.4	3,971,913	6,499,223.7	\$24,901.06	\$25,798.66
90.7	24	297,613	2,176.8	3,974,090	6,497,046.9	\$17,596.06	\$18,230.07
90.8	30	297,643	2,724.0	3,976,814	6,494,322.9	\$22,018.64	\$22,811.66
90.9	42	297,685	3,817.8	3,980,632	6,490,505.1	\$30,859.07	\$31,970.01
91	35	297,720	3,185.0	3,983,817	6,487,320.1	\$25,743.38	\$26,669.75
91.1	30	297,750	2,733.0	3,986,550	6,484,587.1	\$22,089.31	\$22,883.85
91.2	31	297,781	2,827.2	3,989,377	6,481,759.9	\$22,849.96	\$23,671.52
91.3	21	297,802	1,917.3	3,991,294	6,479,842.6	\$15,495.50	\$16,052.39
91.4	29	297,831	2,650.6	3,993,945	6,477,192.0	\$21,421.31	\$22,190.85
91.5	32	297,863	2,928.0	3,996,873	6,474,264.0	\$23,662.44	\$24,512.12
91.6	37	297,900	3,389.2	4,000,262	6,470,874.8	\$27,388.75	\$28,371.82
91.7	32	297,932	2,934.4	4,003,196	6,467,940.4	\$23,712.70	\$24,563.46
91.8	31	297,963	2,845.8	4,006,042	6,465,094.6	\$22,996.02	\$23,820.72
91.9	32	297,995	2,940.8	4,008,983	6,462,153.8	\$23,762.95	\$24,614.80



## RATE SCHEDULE N (Commerical/Industrial)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
92	36	298,031	3,312.0	4,012,295	6,458,841.8	\$26,761.59	\$27,720.53
92.1	23	298,054	2,118.3	4,014,413	6,456,723.5	\$17,115.74	\$17,728.79
92.2	20	298,074	1,844.0	4,016,257	6,454,879.5	\$14,898.96	\$15,432.38
92.3	29	298,103	2,676.7	4,018,934	6,452,202.8	\$21,626.26	\$22,400.22
92.4	31	298,134	2,864.4	4,021,798	6,449,338.4	\$23,142.07	\$23,969.93
92.5	28	298,162	2,590.0	4,024,388	6,446,748.4	\$20,924.51	\$21,672.72
92.6	33	298,195	3,055.8	4,027,444	6,443,692.6	\$24,686.94	\$25,569.32
92.7	30	298,225	2,781.0	4,030,225	6,440,911.6	\$22,466.23	\$23,268.90
92.8	30	298,255	2,784.0	4,033,009	6,438,127.6	\$22,489.79	\$23,292.97
92.9	28	298,283	2,601.2	4,035,610	6,435,526.4	\$21,012.45	\$21,762.57
93	30	298,313	2,790.0	4,038,400	6,432,736.4	\$22,536.90	\$23,341.10
93.1	23	298,336	2,141.3	4,040,542	6,430,595.1	\$17,296.35	\$17,913.29
93.2	27	298,363	2,516.4	4,043,058	6,428,078.7	\$20,325.61	\$21,050.31
93.3	30	298,393	2,799.0	4,045,857	6,425,279.7	\$22,607.57	\$23,413.30
93.4	36	298,429	3,362.4	4,049,219	6,421,917.3	\$27,157.36	\$28,124.84
93.5	29	298,458	2,711.5	4,051,931	6,419,205.8	\$21,899.53	\$22,679.38
93.6	26	298,484	2,433.6	4,054,365	6,416,772.2	\$19,654.48	\$20,354.10
93.7	22	298,506	2,061.4	4,056,426	6,414,710.8	\$16,647.99	\$17,240.34
93.8	22	298,528	2,063.6	4,058,490	6,412,647.2	\$16,665.26	\$17,257.99
93.9	24	298,552	2,253.6	4,060,743	6,410,393.6	\$18,199.13	\$18,846.15
94	29	298,581	2,726.0	4,063,469	6,407,667.6	\$22,013.39	\$22,795.70
94.1	26	298,607	2,446.6	4,065,916	6,405,221.0	\$19,756.56	\$20,458.38
94.2	28	298,635	2,637.6	4,068,553	6,402,583.4	\$21,298.28	\$22,054.56
94.3	24	298,659	2,263.2	4,070,817	6,400,320.2	\$18,274.52	\$18,923.16
94.4	29	298,688	2,737.6	4,073,554	6,397,582.6	\$22,104.48	\$22,888.75
94.5	35	298,723	3,307.5	4,076,862	6,394,275.1	\$26,705.31	\$27,652.43
94.6	29	298,752	2,743.4	4,079,605	6,391,531.7	\$22,150.03	\$22,935.28
94.7	28	298,780	2,651.6	4,082,257	6,388,880.1	\$21,408.22	\$22,166.87
94.8	35	298,815	3,318.0	4,085,575	6,385,562.1	\$26,787.76	\$27,736.66
94.9	36	298,851	3,416.4	4,088,991	6,382,145.7	\$27,581.39	\$28,558.02
95	28	298,879	2,660.0	4,091,651	6,379,485.7	\$21,474.18	\$22,234.25
95.1	23	298,902	2,187.3	4,093,838	6,377,298.4	\$17,657.57	\$18,282.30
95.2	28	298,930	2,665.6	4,096,504	6,374,632.8	\$21,518.15	\$22,279.18
95.3	32	298,962	3,049.6	4,099,554	6,371,583.2	\$24,617.30	\$25,487.59
95.4	32	298,994	3,052.8	4,102,606	6,368,530.4	\$24,642.43	\$25,513.26
95.5	27	299,021	2,578.5	4,105,185	6,365,951.9	\$20,813.25	\$21,548.47
95.6	22	299,043	2,103.2	4,107,288	6,363,848.7	\$16,976.22	\$17,575.66
95.7	27	299,070	2,583.9	4,109,872	6,361,264.8	\$20,855.66	\$21,591.79
95.8	27	299,097	2,586.6	4,112,459	6,358,678.2	\$20,876.86	\$21,613.45
95.9	23	299,120	2,205.7	4,114,664	6,356,472.5	\$17,802.05	\$18,429.90
96	26	299,146	2,496.0	4,117,160	6,353,976.5	\$20,144.48	\$20,854.66
96.1	25	299,171	2,402.5	4,119,563	6,351,574.0	\$19,389.32	\$20,072.61
96.2	31	299,202	2,982.2	4,122,545	6,348,591.8	\$24,067.10	\$24,914.91
96.3	24	299,226	2,311.2	4,124,856	6,346,280.6	\$18,651.44	\$19,308.22
96.4	19	299,245	1,831.6	4,126,688	6,344,449.0	\$14,780.64	\$15,300.91
96.5	28	299,273	2,702.0	4,129,390	6,341,747.0	\$21,803.99	\$22,571.17

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
96.6	24	299,297	2,318.4	4,131,708	6,339,428.6	\$18,707.98	\$19,365.97
96.7	35	299,332	3,384.5	4,135,093	6,336,044.1	\$27,309.95	\$28,270.12
96.8	39	299,371	3,775.2	4,138,868	6,332,268.9	\$30,461.71	\$31,532.28
96.9	22	299,393	2,131.8	4,141,000	6,330,137.1	\$17,200.80	\$17,805.09
97	26	299,419	2,522.0	4,143,522	6,327,615.1	\$20,348.64	\$21,063.23
97.1	28	299,447	2,718.8	4,146,240	6,324,896.3	\$21,935.91	\$22,705.94
97.2	30	299,477	2,916.0	4,149,156	6,321,980.3	\$23,526.32	\$24,351.86
97.3	32	299,509	3,113.6	4,152,270	6,318,866.7	\$25,119.86	\$26,000.99
97.4	35	299,544	3,409.0	4,155,679	6,315,457.7	\$27,502.34	\$28,466.66
97.5	30	299,574	2,925.0	4,158,604	6,312,532.7	\$23,596.99	\$24,424.06
97.6	27	299,601	2,635.2	4,161,239	6,309,897.5	\$21,258.49	\$22,003.31
97.7	21	299,622	2,051.7	4,163,291	6,307,845.8	\$16,550.87	\$17,130.53
97.8	24	299,646	2,347.2	4,165,638	6,305,498.6	\$18,934.13	\$19,597.00
97.9	31	299,677	3,034.9	4,168,673	6,302,463.7	\$24,480.92	\$25,337.66
98	31	299,708	3,038.0	4,171,711	6,299,425.7	\$24,505.27	\$25,362.53
98.1	26	299,734	2,550.6	4,174,262	6,296,875.1	\$20,573.22	\$21,292.66
98.2	24	299,758	2,356.8	4,176,618	6,294,518.3	\$19,009.51	\$19,674.01
98.3	24	299,782	2,359.2	4,178,978	6,292,159.1	\$19,028.36	\$19,693.27
98.4	25	299,807	2,460.0	4,181,438	6,289,699.1	\$19,840.84	\$20,533.87
98.5	30	299,837	2,955.0	4,184,393	6,286,744.1	\$23,832.56	\$24,664.71
98.6	22	299,859	2,169.2	4,186,562	6,284,574.9	\$17,494.49	\$18,105.11
98.7	29	299,888	2,862.3	4,189,424	6,281,712.6	\$23,083.69	\$23,889.08
98.8	29	299,917	2,865.2	4,192,289	6,278,847.4	\$23,106.46	\$23,912.35
98.9	20	299,937	1,978.0	4,194,267	6,276,869.4	\$15,951.20	\$16,507.32
99	25	299,962	2,475.0	4,196,742	6,274,394.4	\$19,958.63	\$20,654.20
99.1	37	299,999	3,666.7	4,200,409	6,270,727.7	\$29,567.82	\$30,597.90
99.2	28	300,027	2,777.6	4,203,187	6,267,950.1	\$22,397.63	\$23,177.63
99.3	16	300,043	1,588.8	4,204,775	6,266,361.3	\$12,811.21	\$13,257.19
99.4	18	300,061	1,789.2	4,206,565	6,264,572.1	\$14,426.75	\$14,928.78
99.5	26	300,087	2,587.0	4,209,152	6,261,985.1	\$20,859.05	\$21,584.66
99.6	29	300,116	2,888.4	4,212,040	6,259,096.7	\$23,288.64	\$24,098.46
99.7	28	300,144	2,791.6	4,214,832	6,256,305.1	\$22,507.57	\$23,289.94
99.8	9	300,153	898.2	4,215,730	6,255,406.9	\$7,241.64	\$7,493.27
99.9	22	300,175	2,197.8	4,217,928	6,253,209.1	\$17,719.07	\$18,334.53
100	31	300,206	3,100.0	4,221,028	6,250,109.1	\$24,992.12	\$25,859.89
100.1	23	300,229	2,302.3	4,223,330	6,247,806.8	\$18,560.60	\$19,204.82
100.2	22	300,251	2,204.4	4,225,534	6,245,602.4	\$17,770.90	\$18,387.48
100.3	23	300,274	2,306.9	4,227,841	6,243,295.5	\$18,596.72	\$19,241.72
100.4	23	300,297	2,309.2	4,230,150	6,240,986.3	\$18,614.79	\$19,260.17
100.5	15	300,312	1,507.5	4,231,658	6,239,478.8	\$12,151.86	\$12,573.01
100.6	19	300,331	1,911.4	4,233,569	6,237,567.4	\$15,407.27	\$15,941.06
100.7	27	300,358	2,718.9	4,236,288	6,234,848.5	\$21,915.74	\$22,674.74
100.8	38	300,396	3,830.4	4,240,119	6,231,018.1	\$30,874.22	\$31,943.09
100.9	42	300,438	4,237.8	4,244,356	6,226,780.3	\$34,157.12	\$35,339.21
101	33	300,471	3,333.0	4,247,689	6,223,447.3	\$26,863.65	\$27,792.99
101.1	22	300,493	2,224.2	4,249,914	6,221,223.1	\$17,926.38	\$18,546.31

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
101.2	21	300,514	2,125.2	4,252,039	6,219,097.9	\$17,128.03	\$17,720.14
101.3	19	300,533	1,924.7	4,253,964	6,217,173.2	\$15,511.71	\$16,047.75
101.4	24	300,557	2,433.6	4,256,397	6,214,739.6	\$19,612.58	\$20,290.10
101.5	25	300,582	2,537.5	4,258,935	6,212,202.1	\$20,449.41	\$21,155.57
101.6	27	300,609	2,743.2	4,261,678	6,209,458.9	\$22,106.56	\$22,869.68
101.7	27	300,636	2,745.9	4,264,424	6,206,713.0	\$22,127.76	\$22,891.34
101.8	24	300,660	2,443.2	4,266,867	6,204,269.8	\$19,687.97	\$20,367.11
101.9	26	300,686	2,649.4	4,269,516	6,201,620.4	\$21,349.05	\$22,085.22
102	33	300,719	3,366.0	4,272,882	6,198,254.4	\$27,122.78	\$28,057.72
102.1	23	300,742	2,348.3	4,275,231	6,195,906.1	\$18,921.82	\$19,573.83
102.2	28	300,770	2,861.6	4,278,092	6,193,044.5	\$23,057.24	\$23,851.47
102.3	23	300,793	2,352.9	4,280,445	6,190,691.6	\$18,957.94	\$19,610.73
102.4	17	300,810	1,740.8	4,282,186	6,188,950.8	\$14,025.74	\$14,508.52
102.5	23	300,833	2,357.5	4,284,543	6,186,593.3	\$18,994.06	\$19,647.63
102.6	26	300,859	2,667.6	4,287,211	6,183,925.7	\$21,491.96	\$22,231.22
102.7	36	300,895	3,697.2	4,290,908	6,180,228.5	\$29,786.37	\$30,810.57
102.8	23	300,918	2,364.4	4,293,273	6,177,864.1	\$19,048.24	\$19,702.98
102.9	23	300,941	2,366.7	4,295,639	6,175,497.4	\$19,066.30	\$19,721.43
103	27	300,968	2,781.0	4,298,420	6,172,716.4	\$22,403.39	\$23,172.90
103.1	21	300,989	2,165.1	4,300,585	6,170,551.3	\$17,441.35	\$18,040.22
103.2	17	301,006	1,754.4	4,302,340	6,168,796.9	\$14,132.53	\$14,617.62
103.3	22	301,028	2,272.6	4,304,612	6,166,524.3	\$18,306.44	\$18,934.57
103.4	19	301,047	1,964.6	4,306,577	6,164,559.7	\$15,825.02	\$16,367.82
103.5	20	301,067	2,070.0	4,308,647	6,162,489.7	\$16,673.63	\$17,245.33
103.6	20	301,087	2,072.0	4,310,719	6,160,417.7	\$16,689.33	\$17,261.38
103.7	17	301,104	1,762.9	4,312,482	6,158,654.8	\$14,199.28	\$14,685.81
103.8	23	301,127	2,387.4	4,314,869	6,156,267.4	\$19,228.85	\$19,887.48
103.9	27	301,154	2,805.3	4,317,675	6,153,462.1	\$22,594.20	\$23,367.84
104	27	301,181	2,808.0	4,320,483	6,150,654.1	\$22,615.40	\$23,389.50
104.1	28	301,209	2,914.8	4,323,397	6,147,739.3	\$23,475.00	\$24,278.23
104.2	19	301,228	1,979.8	4,325,377	6,145,759.5	\$15,944.38	\$16,489.76
104.3	25	301,253	2,607.5	4,327,985	6,143,152.0	\$20,999.08	\$21,717.10
104.4	18	301,271	1,879.2	4,329,864	6,141,272.8	\$15,133.47	\$15,650.75
104.5	21	301,292	2,194.5	4,332,058	6,139,078.3	\$17,672.21	\$18,276.06
104.6	27	301,319	2,824.2	4,334,883	6,136,254.1	\$22,742.61	\$23,519.45
104.7	19	301,338	1,989.3	4,336,872	6,134,264.8	\$16,018.98	\$16,565.97
104.8	15	301,353	1,572.0	4,338,444	6,132,692.8	\$12,658.34	\$13,090.43
104.9	14	301,367	1,468.6	4,339,913	6,131,224.2	\$11,825.45	\$12,228.96
105	30	301,397	3,150.0	4,343,063	6,128,074.2	\$25,363.80	\$26,228.99
105.1	13	301,410	1,366.3	4,344,429	6,126,707.9	\$11,001.19	\$11,376.32
105.2	17	301,427	1,788.4	4,346,217	6,124,919.5	\$14,399.52	\$14,890.37
105.3	13	301,440	1,368.9	4,347,586	6,123,550.6	\$11,021.60	\$11,397.18
105.4	22	301,462	2,318.8	4,349,905	6,121,231.8	\$18,669.22	\$19,305.18
105.5	24	301,486	2,532.0	4,352,437	6,118,699.8	\$20,385.27	\$21,079.45
105.6	16	301,502	1,689.6	4,354,127	6,117,010.2	\$13,602.74	\$14,065.80
105.7	22	301,524	2,325.4	4,356,452	6,114,684.8	\$18,721.05	\$19,358.13

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
105.8	16	301,540	1,692.8	4,358,145	6,112,992.0	\$13,627.87	\$14,091.47
105.9	17	301,557	1,800.3	4,359,945	6,111,191.7	\$14,492.96	\$14,985.83
106	37	301,594	3,922.0	4,363,867	6,107,269.7	\$31,572.56	\$32,645.89
106.1	24	301,618	2,546.4	4,366,413	6,104,723.3	\$20,498.35	\$21,194.97
106.2	24	301,642	2,548.8	4,368,962	6,102,174.5	\$20,517.19	\$21,214.22
106.3	15	301,657	1,594.5	4,370,557	6,100,580.0	\$12,835.02	\$13,270.92
106.4	19	301,676	2,021.6	4,372,578	6,098,558.4	\$16,272.62	\$16,825.07
106.5	24	301,700	2,556.0	4,375,134	6,096,002.4	\$20,573.73	\$21,271.98
106.6	31	301,731	3,304.6	4,378,439	6,092,697.8	\$26,598.74	\$27,501.17
106.7	32	301,763	3,414.4	4,381,853	6,089,283.4	\$27,481.90	\$28,413.98
106.8	21	301,784	2,242.8	4,384,096	6,087,040.6	\$18,051.48	\$18,663.52
106.9	20	301,804	2,138.0	4,386,234	6,084,902.6	\$17,207.60	\$17,790.82
107	22	301,826	2,354.0	4,388,588	6,082,548.6	\$18,945.63	\$19,587.55
107.1	14	301,840	1,499.4	4,390,088	6,081,049.2	\$12,067.30	\$12,476.04
107.2	24	301,864	2,572.8	4,392,660	6,078,476.4	\$20,705.65	\$21,406.74
107.3	19	301,883	2,038.7	4,394,699	6,076,437.7	\$16,406.89	\$16,962.25
107.4	15	301,898	1,611.0	4,396,310	6,074,826.7	\$12,964.59	\$13,403.28
107.5	19	301,917	2,042.5	4,398,353	6,072,784.2	\$16,436.73	\$16,992.73
107.6	28	301,945	3,012.8	4,401,365	6,069,771.4	\$24,244.54	\$25,064.38
107.7	25	301,970	2,692.5	4,404,058	6,067,078.9	\$21,666.54	\$22,398.97
107.8	21	301,991	2,263.8	4,406,322	6,064,815.1	\$18,216.39	\$18,831.98
107.9	19	302,010	2,050.1	4,408,372	6,062,765.0	\$16,496.41	\$17,053.70
108	24	302,034	2,592.0	4,410,964	6,060,173.0	\$20,856.42	\$21,560.76
108.1	14	302,048	1,513.4	4,412,477	6,058,659.6	\$12,177.24	\$12,588.34
108.2	23	302,071	2,488.6	4,414,966	6,056,171.0	\$20,023.52	\$20,699.30
108.3	24	302,095	2,599.2	4,417,565	6,053,571.8	\$20,912.96	\$21,618.52
108.4	18	302,113	1,951.2	4,419,516	6,051,620.6	\$15,698.85	\$16,228.33
108.5	18	302,131	1,953.0	4,421,469	6,049,667.6	\$15,712.99	\$16,242.77
108.6	17	302,148	1,846.2	4,423,315	6,047,821.4	\$14,853.39	\$15,354.03
108.7	21	302,169	2,282.7	4,425,598	6,045,538.7	\$18,364.80	\$18,983.59
108.8	29	302,198	3,155.2	4,428,753	6,042,383.5	\$25,383.69	\$26,238.70
108.9	9	302,207	980.1	4,429,733	6,041,403.4	\$7,884.76	\$8,150.26
109	27	302,234	2,943.0	4,432,676	6,038,460.4	\$23,675.49	\$24,472.45
109.1	17	302,251	1,854.7	4,434,531	6,036,605.7	\$14,920.14	\$15,422.22
109.2	21	302,272	2,293.2	4,436,824	6,034,312.5	\$18,447.25	\$19,067.82
109.3	19	302,291	2,076.7	4,438,901	6,032,235.8	\$16,705.29	\$17,267.08
109.4	22	302,313	2,406.8	4,441,308	6,029,829.0	\$19,360.24	\$20,011.11
109.5	30	302,343	3,285.0	4,444,593	6,026,544.0	\$26,423.89	\$27,311.94
109.6	18	302,361	1,972.8	4,446,566	6,024,571.2	\$15,868.47	\$16,401.60
109.7	28	302,389	3,071.6	4,449,637	6,021,499.6	\$24,706.27	\$25,536.07
109.8	10	302,399	1,098.0	4,450,735	6,020,401.6	\$8,831.52	\$9,128.05
109.9	19	302,418	2,088.1	4,452,823	6,018,313.5	\$16,794.81	\$17,358.53
110	33	302,451	3,630.0	4,456,453	6,014,683.5	\$29,195.84	\$30,175.50
110.1	23	302,474	2,532.3	4,458,986	6,012,151.2	\$20,366.68	\$21,049.86
110.2	23	302,497	2,534.6	4,461,520	6,009,616.6	\$20,384.74	\$21,068.31
110.3	32	302,529	3,529.6	4,465,050	6,006,087.0	\$28,386.50	\$29,338.10

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
110.4	24	302,553	2,649.6	4,467,699	6,003,437.4	\$21,308.72	\$22,022.83
110.5	19	302,572	2,099.5	4,469,799	6,001,337.9	\$16,884.33	\$17,449.98
110.6	26	302,598	2,875.6	4,472,674	5,998,462.3	\$23,125.28	\$23,899.78
110.7	18	302,616	1,992.6	4,474,667	5,996,469.7	\$16,023.95	\$16,560.44
110.8	17	302,633	1,883.6	4,476,551	5,994,586.1	\$15,147.08	\$15,654.05
110.9	35	302,668	3,881.5	4,480,432	5,990,704.6	\$31,212.64	\$32,257.00
111	22	302,690	2,442.0	4,482,874	5,988,262.6	\$19,636.65	\$20,293.48
111.1	20	302,710	2,222.0	4,485,096	5,986,040.6	\$17,867.21	\$18,464.66
111.2	23	302,733	2,557.6	4,487,654	5,983,483.0	\$20,565.35	\$21,252.81
111.3	16	302,749	1,780.8	4,489,435	5,981,702.2	\$14,318.89	\$14,797.40
111.4	21	302,770	2,339.4	4,491,774	5,979,362.8	\$18,810.04	\$19,438.43
111.5	18	302,788	2,007.0	4,493,781	5,977,355.8	\$16,137.02	\$16,675.95
111.6	24	302,812	2,678.4	4,496,459	5,974,677.4	\$21,534.88	\$22,253.86
111.7	25	302,837	2,792.5	4,499,252	5,971,884.9	\$22,451.79	\$23,201.16
111.8	15	302,852	1,677.0	4,500,929	5,970,207.9	\$13,482.86	\$13,932.73
111.9	27	302,879	3,021.3	4,503,950	5,967,186.6	\$24,290.34	\$25,100.57
112	33	302,912	3,696.0	4,507,646	5,963,490.6	\$29,714.11	\$30,704.94
112.1	18	302,930	2,017.8	4,509,664	5,961,472.8	\$16,221.83	\$16,762.59
112.2	12	302,942	1,346.4	4,511,010	5,960,126.4	\$10,823.98	\$11,184.69
112.3	18	302,960	2,021.4	4,513,032	5,958,105.0	\$16,250.10	\$16,791.47
112.4	34	302,994	3,821.6	4,516,853	5,954,283.4	\$30,721.33	\$31,744.49
112.5	10	303,004	1,125.0	4,517,978	5,953,158.4	\$9,043.54	\$9,344.64
112.6	20	303,024	2,252.0	4,520,230	5,950,906.4	\$18,102.78	\$18,705.32
112.7	19	303,043	2,141.3	4,522,372	5,948,765.1	\$17,212.56	\$17,785.29
112.8	15	303,058	1,692.0	4,524,064	5,947,073.1	\$13,600.64	\$14,053.05
112.9	19	303,077	2,145.1	4,526,209	5,944,928.0	\$17,242.40	\$17,815.78
113	19	303,096	2,147.0	4,528,356	5,942,781.0	\$17,257.32	\$17,831.02
113.1	27	303,123	3,053.7	4,531,409	5,939,727.3	\$24,544.76	\$25,360.48
113.2	18	303,141	2,037.6	4,533,447	5,937,689.7	\$16,377.31	\$16,921.42
113.3	11	303,152	1,246.3	4,534,693	5,936,443.4	\$10,016.99	\$10,349.69
113.4	19	303,171	2,154.6	4,536,848	5,934,288.8	\$17,317.00	\$17,891.99
113.5	14	303,185	1,589.0	4,538,437	5,932,699.8	\$12,770.89	\$13,194.80
113.6	18	303,203	2,044.8	4,540,482	5,930,655.0	\$16,433.85	\$16,979.18
113.7	16	303,219	1,819.2	4,542,301	5,928,835.8	\$14,620.43	\$15,105.44
113.8	18	303,237	2,048.4	4,544,349	5,926,787.4	\$16,462.12	\$17,008.06
113.9	25	303,262	2,847.5	4,547,197	5,923,939.9	\$22,883.68	\$23,642.36
114	16	303,278	1,824.0	4,549,021	5,922,115.9	\$14,658.12	\$15,143.95
114.1	21	303,299	2,396.1	4,551,417	5,919,719.8	\$19,255.27	\$19,893.27
114.2	22	303,321	2,512.4	4,553,929	5,917,207.4	\$20,189.47	\$20,858.22
114.3	20	303,341	2,286.0	4,556,215	5,914,921.4	\$18,369.77	\$18,978.06
114.4	14	303,355	1,601.6	4,557,817	5,913,319.8	\$12,869.83	\$13,295.88
114.5	19	303,374	2,175.5	4,559,992	5,911,144.3	\$17,481.12	\$18,059.64
114.6	23	303,397	2,635.8	4,562,628	5,908,508.5	\$21,179.41	\$21,880.12
114.7	30	303,427	3,441.0	4,566,069	5,905,067.5	\$27,648.88	\$28,563.36
114.8	22	303,449	2,525.6	4,568,595	5,902,541.9	\$20,293.12	\$20,964.11
114.9	19	303,468	2,183.1	4,570,778	5,900,358.8	\$17,540.80	\$18,120.61

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
115	20	303,488	2,300.0	4,573,078	5,898,058.8	\$18,479.70	\$19,090.37
115.1	23	303,511	2,647.3	4,575,725	5,895,411.5	\$21,269.72	\$21,972.38
115.2	20	303,531	2,304.0	4,578,029	5,893,107.5	\$18,511.11	\$19,122.46
115.3	11	303,542	1,268.3	4,579,298	5,891,839.2	\$10,189.75	\$10,526.18
115.4	23	303,565	2,654.2	4,581,952	5,889,185.0	\$21,323.90	\$22,027.73
115.5	14	303,579	1,617.0	4,583,569	5,887,568.0	\$12,990.76	\$13,419.41
115.6	15	303,594	1,734.0	4,585,303	5,885,834.0	\$13,930.45	\$14,389.97
115.7	17	303,611	1,966.9	4,587,270	5,883,867.1	\$15,801.19	\$16,322.28
115.8	20	303,631	2,316.0	4,589,586	5,881,551.1	\$18,605.34	\$19,218.72
115.9	11	303,642	1,274.9	4,590,861	5,880,276.2	\$10,241.57	\$10,579.12
116	21	303,663	2,436.0	4,593,297	5,877,840.2	\$19,568.59	\$20,213.35
116.1	18	303,681	2,089.8	4,595,386	5,875,750.4	\$16,787.21	\$17,340.17
116.2	20	303,701	2,324.0	4,597,710	5,873,426.4	\$18,668.16	\$19,282.90
116.3	13	303,714	1,511.9	4,599,222	5,871,914.5	\$12,144.51	\$12,544.31
116.4	13	303,727	1,513.2	4,600,735	5,870,401.3	\$12,154.72	\$12,554.74
116.5	16	303,743	1,864.0	4,602,599	5,868,537.3	\$14,972.22	\$15,464.82
116.6	17	303,760	1,982.2	4,604,582	5,866,555.1	\$15,921.33	\$16,445.01
116.7	21	303,781	2,450.7	4,607,032	5,864,104.4	\$19,684.02	\$20,331.27
116.8	12	303,793	1,401.6	4,608,434	5,862,702.8	\$11,257.43	\$11,627.50
116.9	17	303,810	1,987.3	4,610,421	5,860,715.5	\$15,961.38	\$16,485.92
117	17	303,827	1,989.0	4,612,410	5,858,726.5	\$15,974.73	\$16,499.56
117.1	12	303,839	1,405.2	4,613,815	5,857,321.3	\$11,285.70	\$11,656.37
117.2	17	303,856	1,992.4	4,615,808	5,855,328.9	\$16,001.43	\$16,526.83
117.3	10	303,866	1,173.0	4,616,981	5,854,155.9	\$9,420.46	\$9,729.69
117.4	14	303,880	1,643.6	4,618,624	5,852,512.3	\$13,199.63	\$13,632.79
117.5	21	303,901	2,467.5	4,621,092	5,850,044.8	\$19,815.94	\$20,466.04
117.6	23	303,924	2,704.8	4,623,797	5,847,340.0	\$21,721.23	\$22,433.64
117.7	16	303,940	1,883.2	4,625,680	5,845,456.8	\$15,122.99	\$15,618.84
117.8	21	303,961	2,473.8	4,628,154	5,842,983.0	\$19,865.41	\$20,516.58
117.9	14	303,975	1,650.6	4,629,804	5,841,332.4	\$13,254.60	\$13,688.95
118	21	303,996	2,478.0	4,632,282	5,838,854.4	\$19,898.39	\$20,550.27
118.1	15	304,011	1,771.5	4,634,054	5,837,082.9	\$14,224.92	\$14,690.80
118.2	22	304,033	2,600.4	4,636,654	5,834,482.5	\$20,880.49	\$21,564.15
118.3	15	304,048	1,774.5	4,638,429	5,832,708.0	\$14,248.47	\$14,714.86
118.4	19	304,067	2,249.6	4,640,678	5,830,458.4	\$18,062.99	\$18,654.07
118.5	15	304,082	1,777.5	4,642,456	5,828,680.9	\$14,272.03	\$14,738.93
118.6	18	304,100	2,134.8	4,644,591	5,826,546.1	\$17,140.57	\$17,701.15
118.7	19	304,119	2,255.3	4,646,846	5,824,290.8	\$18,107.75	\$18,699.79
118.8	17	304,136	2,019.6	4,648,866	5,822,271.2	\$16,215.02	\$16,745.03
118.9	14	304,150	1,664.6	4,650,530	5,820,606.6	\$13,364.54	\$13,801.25
119	17	304,167	2,023.0	4,652,553	5,818,583.6	\$16,241.72	\$16,772.30
119.1	11	304,178	1,310.1	4,653,863	5,817,273.5	\$10,517.98	\$10,861.49
119.2	16	304,194	1,907.2	4,655,770	5,815,366.3	\$15,311.45	\$15,811.37
119.3	27	304,221	3,221.1	4,658,992	5,812,145.2	\$25,859.27	\$26,703.34
119.4	19	304,240	2,268.6	4,661,260	5,809,876.6	\$18,212.18	\$18,806.48
119.5	14	304,254	1,673.0	4,662,933	5,808,203.6	\$13,430.50	\$13,868.64

## RATE SCHEDULE N (Commerical/Industrial)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
119.6	17	304,271	2,033.2	4,664,966	5,806,170.4	\$16,321.81	\$16,854.13
119.7	18	304,289	2,154.6	4,667,121	5,804,015.8	\$17,296.05	\$17,859.99
119.8	15	304,304	1,797.0	4,668,918	5,802,218.8	\$14,425.16	\$14,895.35
119.9	9	304,313	1,079.1	4,669,997	5,801,139.7	\$8,662.16	\$8,944.43
120	20	304,333	2,400.0	4,672,397	5,798,739.7	\$19,264.95	\$19,892.56
120.1	17	304,350	2,041.7	4,674,439	5,796,698.0	\$16,388.56	\$16,922.31
120.2	11	304,361	1,322.2	4,675,761	5,795,375.8	\$10,613.00	\$10,958.56
120.3	13	304,374	1,563.9	4,677,325	5,793,811.9	\$12,552.84	\$12,961.45
120.4	21	304,395	2,528.4	4,679,853	5,791,283.5	\$20,294.16	\$20,954.57
120.5	13	304,408	1,566.5	4,681,420	5,789,717.0	\$12,573.26	\$12,982.31
120.6	12	304,420	1,447.2	4,682,867	5,788,269.8	\$11,615.51	\$11,993.29
120.7	17	304,437	2,051.9	4,684,919	5,786,217.9	\$16,468.65	\$17,004.14
120.8	21	304,458	2,536.8	4,687,456	5,783,681.1	\$20,360.12	\$21,021.96
120.9	12	304,470	1,450.8	4,688,906	5,782,230.3	\$11,643.78	\$12,022.17
121	21	304,491	2,541.0	4,691,447	5,779,689.3	\$20,393.10	\$21,055.65
121.1	21	304,512	2,543.1	4,693,991	5,777,146.2	\$20,409.59	\$21,072.49
121.2	18	304,530	2,181.6	4,696,172	5,774,964.6	\$17,508.07	\$18,076.58
121.3	18	304,548	2,183.4	4,698,356	5,772,781.2	\$17,522.20	\$18,091.02
121.4	16	304,564	1,942.4	4,700,298	5,770,838.8	\$15,587.86	\$16,093.74
121.5	19	304,583	2,308.5	4,702,606	5,768,530.3	\$18,525.50	\$19,126.56
121.6	18	304,601	2,188.8	4,704,795	5,766,341.5	\$17,564.61	\$18,134.33
121.7	17	304,618	2,068.9	4,706,864	5,764,272.6	\$16,602.14	\$17,140.51
121.8	11	304,629	1,339.8	4,708,204	5,762,932.8	\$10,751.20	\$11,099.74
121.9	21	304,650	2,559.9	4,710,764	5,760,372.9	\$20,541.51	\$21,207.26
122	19	304,669	2,318.0	4,713,082	5,758,054.9	\$18,600.10	\$19,202.76
122.1	13	304,682	1,587.3	4,714,669	5,756,467.6	\$12,736.59	\$13,149.16
122.2	20	304,702	2,444.0	4,717,113	5,754,023.6	\$19,610.46	\$20,245.52
122.3	16	304,718	1,956.8	4,719,070	5,752,066.8	\$15,700.93	\$16,209.25
122.4	11	304,729	1,346.4	4,720,416	5,750,720.4	\$10,803.03	\$11,152.69
122.5	17	304,746	2,082.5	4,722,499	5,748,637.9	\$16,708.94	\$17,249.61
122.6	22	304,768	2,697.2	4,725,196	5,745,940.7	\$21,640.61	\$22,340.67
122.7	23	304,791	2,822.1	4,728,018	5,743,118.6	\$22,642.33	\$23,374.60
122.8	16	304,807	1,964.8	4,729,983	5,741,153.8	\$15,763.75	\$16,273.43
122.9	16	304,823	1,966.4	4,731,949	5,739,187.4	\$15,776.32	\$16,286.26
123	18	304,841	2,214.0	4,734,163	5,736,973.4	\$17,762.49	\$18,336.49
123.1	15	304,856	1,846.5	4,736,010	5,735,126.9	\$14,813.85	\$15,292.44
123.2	14	304,870	1,724.8	4,737,735	5,733,402.1	\$13,837.26	\$14,284.17
123.3	12	304,882	1,479.6	4,739,214	5,731,922.5	\$11,869.93	\$12,253.20
123.4	21	304,903	2,591.4	4,741,806	5,729,331.1	\$20,788.87	\$21,459.95
123.5	16	304,919	1,976.0	4,743,782	5,727,355.1	\$15,851.70	\$16,363.27
123.6	20	304,939	2,472.0	4,746,254	5,724,883.1	\$19,830.33	\$20,470.14
123.7	17	304,956	2,102.9	4,748,357	5,722,780.2	\$16,869.13	\$17,413.25
123.8	12	304,968	1,485.6	4,749,842	5,721,294.6	\$11,917.04	\$12,301.33
123.9	16	304,984	1,982.4	4,751,825	5,719,312.2	\$15,901.96	\$16,414.61
124	22	305,006	2,728.0	4,754,553	5,716,584.2	\$21,882.47	\$22,587.74
124.1	18	305,024	2,233.8	4,756,786	5,714,350.4	\$17,917.97	\$18,495.32

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
124.2	15	305,039	1,863.0	4,758,649	5,712,487.4	\$14,943.42	\$15,424.80
124.3	20	305,059	2,486.0	4,761,135	5,710,001.4	\$19,940.27	\$20,582.44
124.4	14	305,073	1,741.6	4,762,877	5,708,259.8	\$13,969.18	\$14,418.94
124.5	19	305,092	2,365.5	4,765,242	5,705,894.3	\$18,973.09	\$19,583.80
124.6	9	305,101	1,121.4	4,766,364	5,704,772.9	\$8,994.32	\$9,283.76
124.7	25	305,126	3,117.5	4,769,481	5,701,655.4	\$25,003.86	\$25,808.27
124.8	10	305,136	1,248.0	4,770,729	5,700,407.4	\$10,009.40	\$10,331.33
124.9	9	305,145	1,124.1	4,771,853	5,699,283.3	\$9,015.52	\$9,305.42
125	26	305,171	3,250.0	4,775,103	5,696,033.3	\$26,065.26	\$26,903.18
125.1	17	305,188	2,126.7	4,777,230	5,693,906.6	\$17,056.02	\$17,604.17
125.2	17	305,205	2,128.4	4,779,359	5,691,778.2	\$17,069.37	\$17,617.81
125.3	9	305,214	1,127.7	4,780,486	5,690,650.5	\$9,043.79	\$9,334.30
125.4	16	305,230	2,006.4	4,782,493	5,688,644.1	\$16,090.42	\$16,607.14
125.5	14	305,244	1,757.0	4,784,250	5,686,887.1	\$14,090.11	\$14,542.48
125.6	9	305,253	1,130.4	4,785,380	5,685,756.7	\$9,064.99	\$9,355.96
125.7	11	305,264	1,382.7	4,786,763	5,684,374.0	\$11,088.07	\$11,443.88
125.8	12	305,276	1,509.6	4,788,272	5,682,864.4	\$12,105.50	\$12,493.86
125.9	13	305,289	1,636.7	4,789,909	5,681,227.7	\$13,124.50	\$13,545.44
126	12	305,301	1,512.0	4,791,421	5,679,715.7	\$12,124.35	\$12,513.11
126.1	18	305,319	2,269.8	4,793,691	5,677,445.9	\$18,200.66	\$18,784.11
126.2	19	305,338	2,397.8	4,796,089	5,675,048.1	\$19,226.73	\$19,842.91
126.3	17	305,355	2,147.1	4,798,236	5,672,901.0	\$17,216.21	\$17,767.82
126.4	16	305,371	2,022.4	4,800,258	5,670,878.6	\$16,216.06	\$16,735.49
126.5	10	305,381	1,265.0	4,801,523	5,669,613.6	\$10,142.89	\$10,467.70
126.6	12	305,393	1,519.2	4,803,042	5,668,094.4	\$12,180.89	\$12,570.87
126.7	18	305,411	2,280.6	4,805,323	5,665,813.8	\$18,285.47	\$18,870.75
126.8	18	305,429	2,282.4	4,807,605	5,663,531.4	\$18,299.60	\$18,885.18
126.9	15	305,444	1,903.5	4,809,509	5,661,627.9	\$15,261.45	\$15,749.69
127	19	305,463	2,413.0	4,811,922	5,659,214.9	\$19,346.09	\$19,964.84
127.1	20	305,483	2,542.0	4,814,464	5,656,672.9	\$20,380.01	\$21,031.67
127.2	13	305,496	1,653.6	4,816,117	5,655,019.3	\$13,257.21	\$13,681.01
127.3	19	305,515	2,418.7	4,818,536	5,652,600.6	\$19,390.84	\$20,010.57
127.4	9	305,524	1,146.6	4,819,683	5,651,454.0	\$9,192.20	\$9,485.91
127.5	10	305,534	1,275.0	4,820,958	5,650,179.0	\$10,221.41	\$10,547.92
127.6	19	305,553	2,424.4	4,823,382	5,647,754.6	\$19,435.60	\$20,056.29
127.7	20	305,573	2,554.0	4,825,936	5,645,200.6	\$20,474.24	\$21,127.93
127.8	15	305,588	1,917.0	4,827,853	5,643,283.6	\$15,367.46	\$15,857.98
127.9	14	305,602	1,790.6	4,829,644	5,641,493.0	\$14,353.95	\$14,812.01
128	19	305,621	2,432.0	4,832,076	5,639,061.0	\$19,495.28	\$20,117.26
128.1	18	305,639	2,305.8	4,834,382	5,636,755.2	\$18,483.35	\$19,072.90
128.2	12	305,651	1,538.4	4,835,920	5,635,216.8	\$12,331.66	\$12,724.89
128.3	18	305,669	2,309.4	4,838,229	5,632,907.4	\$18,511.62	\$19,101.78
128.4	9	305,678	1,155.6	4,839,385	5,631,751.8	\$9,262.88	\$9,558.11
128.5	17	305,695	2,184.5	4,841,569	5,629,567.3	\$17,509.89	\$18,067.84
128.6	19	305,714	2,443.4	4,844,013	5,627,123.9	\$19,584.80	\$20,208.71
128.7	14	305,728	1,801.8	4,845,815	5,625,322.1	\$14,441.90	\$14,901.86



## RATE SCHEDULE N (Commerical/Industrial)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
128.8	19	305,747	2,447.2	4,848,262	5,622,874.9	\$19,614.64	\$20,239.19
128.9	18	305,765	2,320.2	4,850,582	5,620,554.7	\$18,596.43	\$19,188.41
129	21	305,786	2,709.0	4,853,291	5,617,845.7	\$21,712.32	\$22,403.33
129.1	11	305,797	1,420.1	4,854,711	5,616,425.6	\$11,381.76	\$11,743.90
129.2	10	305,807	1,292.0	4,856,003	5,615,133.6	\$10,354.91	\$10,684.29
129.3	13	305,820	1,680.9	4,857,684	5,613,452.7	\$13,471.58	\$13,900.01
129.4	16	305,836	2,070.4	4,859,754	5,611,382.3	\$16,592.98	\$17,120.54
129.5	10	305,846	1,295.0	4,861,049	5,610,087.3	\$10,378.46	\$10,708.36
129.6	16	305,862	2,073.6	4,863,123	5,608,013.7	\$16,618.10	\$17,146.21
129.7	12	305,874	1,556.4	4,864,679	5,606,457.3	\$12,473.00	\$12,869.29
129.8	11	305,885	1,427.8	4,866,107	5,605,029.5	\$11,442.22	\$11,805.67
129.9	20	305,905	2,598.0	4,868,705	5,602,431.5	\$20,819.75	\$21,480.90
130	16	305,921	2,080.0	4,870,785	5,600,351.5	\$16,668.36	\$17,197.55
130.1	11	305,932	1,431.1	4,872,216	5,598,920.4	\$11,468.14	\$11,832.14
130.2	14	305,946	1,822.8	4,874,039	5,597,097.6	\$14,606.80	\$15,070.32
130.3	13	305,959	1,693.9	4,875,733	5,595,403.7	\$13,573.67	\$14,004.30
130.4	6	305,965	782.4	4,876,515	5,594,621.3	\$6,269.48	\$6,468.33
130.5	19	305,984	2,479.5	4,878,995	5,592,141.8	\$19,868.28	\$20,498.30
130.6	8	305,992	1,044.8	4,880,040	5,591,097.0	\$8,371.87	\$8,637.28
130.7	13	306,005	1,699.1	4,881,739	5,589,397.9	\$13,614.50	\$14,046.01
130.8	14	306,019	1,831.2	4,883,570	5,587,566.7	\$14,672.76	\$15,137.70
130.9	16	306,035	2,094.4	4,885,664	5,585,472.3	\$16,781.44	\$17,313.07
131	25	306,060	3,275.0	4,888,939	5,582,197.3	\$26,240.63	\$27,071.72
131.1	20	306,080	2,622.0	4,891,561	5,579,575.3	\$21,008.21	\$21,673.42
131.2	14	306,094	1,836.8	4,893,398	5,577,738.5	\$14,716.74	\$15,182.63
131.3	17	306,111	2,232.1	4,895,630	5,575,506.4	\$17,883.67	\$18,449.68
131.4	19	306,130	2,496.6	4,898,127	5,573,009.8	\$20,002.55	\$20,635.48
131.5	13	306,143	1,709.5	4,899,836	5,571,300.3	\$13,696.17	\$14,129.44
131.6	15	306,158	1,974.0	4,901,810	5,569,326.3	\$15,815.05	\$16,315.23
131.7	10	306,168	1,317.0	4,903,127	5,568,009.3	\$10,551.22	\$10,884.84
131.8	11	306,179	1,449.8	4,904,577	5,566,559.5	\$11,614.98	\$11,982.15
131.9	12	306,191	1,582.8	4,906,160	5,564,976.7	\$12,680.31	\$13,081.06
132	21	306,212	2,772.0	4,908,932	5,562,204.7	\$22,207.03	\$22,908.71
132.1	21	306,233	2,774.1	4,911,706	5,559,430.6	\$22,223.52	\$22,925.55
132.2	16	306,249	2,115.2	4,913,821	5,557,315.4	\$16,944.77	\$17,479.92
132.3	13	306,262	1,719.9	4,915,541	5,555,595.5	\$13,777.83	\$14,212.87
132.4	3	306,265	397.2	4,915,938	5,555,198.3	\$3,181.86	\$3,282.30
132.5	18	306,283	2,385.0	4,918,323	5,552,813.3	\$19,105.27	\$19,708.23
132.6	12	306,295	1,591.2	4,919,915	5,551,222.1	\$12,746.27	\$13,148.45
132.7	12	306,307	1,592.4	4,921,507	5,549,629.7	\$12,755.69	\$13,158.07
132.8	18	306,325	2,390.4	4,923,897	5,547,239.3	\$19,147.67	\$19,751.55
132.9	18	306,343	2,392.2	4,926,290	5,544,847.1	\$19,161.81	\$19,765.99
133	19	306,362	2,527.0	4,928,817	5,542,320.1	\$20,241.27	\$20,879.34
133.1	19	306,381	2,528.9	4,931,346	5,539,791.2	\$20,256.19	\$20,894.58
133.2	8	306,389	1,065.6	4,932,411	5,538,725.6	\$8,535.20	\$8,804.14
133.3	14	306,403	1,866.2	4,934,277	5,536,859.4	\$14,947.60	\$15,418.47

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
133.4	15	306,418	2,001.0	4,936,278	5,534,858.4	\$16,027.07	\$16,531.82
133.5	14	306,432	1,869.0	4,938,147	5,532,989.4	\$14,969.59	\$15,440.93
133.6	13	306,445	1,736.8	4,939,884	5,531,252.6	\$13,910.54	\$14,348.44
133.7	11	306,456	1,470.7	4,941,355	5,529,781.9	\$11,779.09	\$12,149.81
133.8	11	306,467	1,471.8	4,942,827	5,528,310.1	\$11,787.73	\$12,158.63
133.9	7	306,474	937.3	4,943,764	5,527,372.8	\$7,506.78	\$7,742.93
134	18	306,492	2,412.0	4,946,176	5,524,960.8	\$19,317.29	\$19,924.82
134.1	10	306,502	1,341.0	4,947,517	5,523,619.8	\$10,739.68	\$11,077.37
134.2	19	306,521	2,549.8	4,950,067	5,521,070.0	\$20,420.31	\$21,062.24
134.3	14	306,535	1,880.2	4,951,947	5,519,189.8	\$15,057.54	\$15,530.78
134.4	16	306,551	2,150.4	4,954,097	5,517,039.4	\$17,221.18	\$17,762.29
134.5	17	306,568	2,286.5	4,956,384	5,514,752.9	\$18,310.85	\$18,886.07
134.6	13	306,581	1,749.8	4,958,134	5,513,003.1	\$14,012.62	\$14,452.72
134.7	14	306,595	1,885.8	4,960,019	5,511,117.3	\$15,101.51	\$15,575.70
134.8	10	306,605	1,348.0	4,961,367	5,509,769.3	\$10,794.65	\$11,133.52
134.9	13	306,618	1,753.7	4,963,121	5,508,015.6	\$14,043.25	\$14,484.01
135	10	306,628	1,350.0	4,964,471	5,506,665.6	\$10,810.35	\$11,149.57
135.1	11	306,639	1,486.1	4,965,957	5,505,179.5	\$11,900.02	\$12,273.35
135.2	15	306,654	2,028.0	4,967,985	5,503,151.5	\$16,239.08	\$16,748.41
135.3	18	306,672	2,435.4	4,970,421	5,500,716.1	\$19,501.03	\$20,112.54
135.4	10	306,682	1,354.0	4,971,775	5,499,362.1	\$10,841.76	\$11,181.65
135.5	17	306,699	2,303.5	4,974,078	5,497,058.6	\$18,444.34	\$19,022.45
135.6	15	306,714	2,034.0	4,976,112	5,495,024.6	\$16,286.20	\$16,796.54
135.7	8	306,722	1,085.6	4,977,198	5,493,939.0	\$8,692.25	\$8,964.57
135.8	18	306,740	2,444.4	4,979,642	5,491,494.6	\$19,571.71	\$20,184.73
135.9	11	306,751	1,494.9	4,981,137	5,489,999.7	\$11,969.12	\$12,343.94
136	18	306,769	2,448.0	4,983,585	5,487,551.7	\$19,599.98	\$20,213.61
136.1	15	306,784	2,041.5	4,985,627	5,485,510.2	\$16,345.09	\$16,856.71
136.2	17	306,801	2,315.4	4,987,942	5,483,194.8	\$18,537.79	\$19,117.91
136.3	15	306,816	2,044.5	4,989,986	5,481,150.3	\$16,368.65	\$16,880.77
136.4	11	306,827	1,500.4	4,991,487	5,479,649.9	\$12,012.31	\$12,388.06
136.5	12	306,839	1,638.0	4,993,125	5,478,011.9	\$13,113.77	\$13,523.87
136.6	8	306,847	1,092.8	4,994,218	5,476,919.1	\$8,748.79	\$9,022.33
136.7	8	306,855	1,093.6	4,995,311	5,475,825.5	\$8,755.07	\$9,028.75
136.8	13	306,868	1,778.4	4,997,090	5,474,047.1	\$14,237.20	\$14,682.15
136.9	16	306,884	2,190.4	4,999,280	5,471,856.7	\$17,535.28	\$18,083.17
137	18	306,902	2,466.0	5,001,746	5,469,390.7	\$19,741.32	\$20,358.01
137.1	12	306,914	1,645.2	5,003,391	5,467,745.5	\$13,170.30	\$13,581.63
137.2	14	306,928	1,920.8	5,005,312	5,465,824.7	\$15,376.35	\$15,856.47
137.3	10	306,938	1,373.0	5,006,685	5,464,451.7	\$10,990.96	\$11,334.07
137.4	23	306,961	3,160.2	5,009,845	5,461,291.5	\$25,297.26	\$26,086.81
137.5	8	306,969	1,100.0	5,010,945	5,460,191.5	\$8,805.33	\$9,080.09
137.6	9	306,978	1,238.4	5,012,184	5,458,953.1	\$9,913.06	\$10,222.32
137.7	10	306,988	1,377.0	5,013,561	5,457,576.1	\$11,022.37	\$11,366.16
137.8	13	307,001	1,791.4	5,015,352	5,455,784.7	\$14,339.29	\$14,786.43
137.9	21	307,022	2,895.9	5,018,248	5,452,888.8	\$23,179.95	\$23,902.62

## RATE SCHEDULE N (Commerical/Industrial)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
138	17	307,039	2,346.0	5,020,594	5,450,542.8	\$18,778.07	\$19,363.38
138.1	10	307,049	1,381.0	5,021,975	5,449,161.8	\$11,053.78	\$11,398.24
138.2	11	307,060	1,520.2	5,023,495	5,447,641.6	\$12,167.79	\$12,546.89
138.3	15	307,075	2,074.5	5,025,570	5,445,567.1	\$16,604.22	\$17,121.43
138.4	16	307,091	2,214.4	5,027,784	5,443,352.7	\$17,723.74	\$18,275.70
138.5	12	307,103	1,662.0	5,029,446	5,441,690.7	\$13,302.23	\$13,716.40
138.6	19	307,122	2,633.4	5,032,079	5,439,057.3	\$21,076.78	\$21,732.87
138.7	12	307,134	1,664.4	5,033,744	5,437,392.9	\$13,321.07	\$13,735.65
138.8	18	307,152	2,498.4	5,036,242	5,434,894.5	\$19,995.74	\$20,617.91
138.9	12	307,164	1,666.8	5,037,909	5,433,227.7	\$13,339.92	\$13,754.90
139	17	307,181	2,363.0	5,040,272	5,430,864.7	\$18,911.57	\$19,499.75
139.1	10	307,191	1,391.0	5,041,663	5,429,473.7	\$11,132.30	\$11,478.46
139.2	13	307,204	1,809.6	5,043,473	5,427,664.1	\$14,482.20	\$14,932.43
139.3	13	307,217	1,810.9	5,045,284	5,425,853.2	\$14,492.41	\$14,942.86
139.4	11	307,228	1,533.4	5,046,817	5,424,319.8	\$12,271.45	\$12,652.78
139.5	8	307,236	1,116.0	5,047,933	5,423,203.8	\$8,930.97	\$9,208.44
139.6	12	307,248	1,675.2	5,049,608	5,421,528.6	\$13,405.88	\$13,822.29
139.7	14	307,262	1,955.8	5,051,564	5,419,572.8	\$15,651.18	\$16,137.23
139.8	16	307,278	2,236.8	5,053,801	5,417,336.0	\$17,899.63	\$18,455.39
139.9	10	307,288	1,399.0	5,055,200	5,415,937.0	\$11,195.12	\$11,542.64
140	26	307,314	3,640.0	5,058,840	5,412,297.0	\$29,127.74	\$30,031.72
140.1	10	307,324	1,401.0	5,060,241	5,410,896.0	\$11,210.83	\$11,558.68
140.2	10	307,334	1,402.0	5,061,643	5,409,494.0	\$11,218.68	\$11,566.70
140.3	9	307,343	1,262.7	5,062,905	5,408,231.3	\$10,103.88	\$10,417.25
140.4	13	307,356	1,825.2	5,064,731	5,406,406.1	\$14,604.70	\$15,057.57
140.5	15	307,371	2,107.5	5,066,838	5,404,298.6	\$16,863.36	\$17,386.15
140.6	14	307,385	1,968.4	5,068,807	5,402,330.2	\$15,750.13	\$16,238.31
140.7	17	307,402	2,391.9	5,071,198	5,399,938.3	\$19,138.50	\$19,731.58
140.8	6	307,408	844.8	5,072,043	5,399,093.5	\$6,759.48	\$6,968.90
140.9	11	307,419	1,549.9	5,073,593	5,397,543.6	\$12,401.01	\$12,785.14
141	21	307,440	2,961.0	5,076,554	5,394,582.6	\$23,691.15	\$24,424.85
141.1	9	307,449	1,269.9	5,077,824	5,393,312.7	\$10,160.42	\$10,475.01
141.2	6	307,455	847.2	5,078,671	5,392,465.5	\$6,778.32	\$6,988.15
141.3	11	307,466	1,554.3	5,080,226	5,390,911.2	\$12,435.56	\$12,820.44
141.4	10	307,476	1,414.0	5,081,640	5,389,497.2	\$11,312.91	\$11,662.97
141.5	15	307,491	2,122.5	5,083,762	5,387,374.7	\$16,981.14	\$17,506.48
141.6	9	307,500	1,274.4	5,085,036	5,386,100.3	\$10,195.75	\$10,511.11
141.7	13	307,513	1,842.1	5,086,879	5,384,258.2	\$14,737.41	\$15,193.14
141.8	7	307,520	992.6	5,087,871	5,383,265.6	\$7,941.02	\$8,186.54
141.9	7	307,527	993.3	5,088,864	5,382,272.3	\$7,946.52	\$8,192.15
142	23	307,550	3,266.0	5,092,130	5,379,006.3	\$26,128.06	\$26,935.53
142.1	10	307,560	1,421.0	5,093,551	5,377,585.3	\$11,367.88	\$11,719.12
142.2	10	307,570	1,422.0	5,094,973	5,376,163.3	\$11,375.73	\$11,727.14
142.3	12	307,582	1,707.6	5,096,681	5,374,455.7	\$13,660.30	\$14,082.20
142.4	9	307,591	1,281.6	5,097,963	5,373,174.1	\$10,252.29	\$10,568.87
142.5	12	307,603	1,710.0	5,099,673	5,371,464.1	\$13,679.15	\$14,101.45

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
142.6	12	307,615	1,711.2	5,101,384	5,369,752.9	\$13,688.57	\$14,111.08
142.7	15	307,630	2,140.5	5,103,524	5,367,612.4	\$17,122.49	\$17,650.88
142.8	14	307,644	1,999.2	5,105,524	5,365,613.2	\$15,991.98	\$16,485.38
142.9	8	307,652	1,143.2	5,106,667	5,364,470.0	\$9,144.56	\$9,426.64
143	18	307,670	2,574.0	5,109,241	5,361,896.0	\$20,589.39	\$21,224.37
143.1	9	307,679	1,287.9	5,110,529	5,360,608.1	\$10,301.76	\$10,619.41
143.2	8	307,687	1,145.6	5,111,674	5,359,462.5	\$9,163.40	\$9,445.89
143.3	13	307,700	1,862.9	5,113,537	5,357,599.6	\$14,900.74	\$15,360.00
143.4	10	307,710	1,434.0	5,114,971	5,356,165.6	\$11,469.96	\$11,823.40
143.5	9	307,719	1,291.5	5,116,263	5,354,874.1	\$10,330.03	\$10,648.28
143.6	17	307,736	2,441.2	5,118,704	5,352,432.9	\$19,525.63	\$20,127.06
143.7	9	307,745	1,293.3	5,119,997	5,351,139.6	\$10,344.17	\$10,662.72
143.8	13	307,758	1,869.4	5,121,867	5,349,270.2	\$14,951.78	\$15,412.14
143.9	14	307,772	2,014.6	5,123,881	5,347,255.6	\$16,112.91	\$16,608.92
144	16	307,788	2,304.0	5,126,185	5,344,951.6	\$18,427.32	\$18,994.46
144.1	22	307,810	3,170.2	5,129,355	5,341,781.4	\$25,354.84	\$26,135.03
144.2	10	307,820	1,442.0	5,130,797	5,340,339.4	\$11,532.78	\$11,887.58
144.3	13	307,833	1,875.9	5,132,673	5,338,463.5	\$15,002.82	\$15,464.28
144.4	13	307,846	1,877.2	5,134,550	5,336,586.3	\$15,013.03	\$15,474.71
144.5	9	307,855	1,300.5	5,135,851	5,335,285.8	\$10,400.70	\$10,720.48
144.6	12	307,867	1,735.2	5,137,586	5,333,550.6	\$13,877.03	\$14,303.60
144.7	15	307,882	2,170.5	5,139,757	5,331,380.1	\$17,358.06	\$17,891.53
144.8	10	307,892	1,448.0	5,141,205	5,329,932.1	\$11,579.90	\$11,935.71
144.9	15	307,907	2,173.5	5,143,378	5,327,758.6	\$17,381.62	\$17,915.60
145	19	307,926	2,755.0	5,146,133	5,325,003.6	\$22,031.64	\$22,708.33
145.1	10	307,936	1,451.0	5,147,584	5,323,552.6	\$11,603.45	\$11,959.78
145.2	10	307,946	1,452.0	5,149,036	5,322,100.6	\$11,611.31	\$11,967.80
145.3	13	307,959	1,888.9	5,150,925	5,320,211.7	\$15,104.90	\$15,568.57
145.4	9	307,968	1,308.6	5,152,234	5,318,903.1	\$10,464.31	\$10,785.46
145.5	18	307,986	2,619.0	5,154,853	5,316,284.1	\$20,942.75	\$21,585.36
145.6	11	307,997	1,601.6	5,156,454	5,314,682.5	\$12,806.99	\$13,199.88
145.7	9	308,006	1,311.3	5,157,766	5,313,371.2	\$10,485.51	\$10,807.12
145.8	15	308,021	2,187.0	5,159,953	5,311,184.2	\$17,487.63	\$18,023.90
145.9	10	308,031	1,459.0	5,161,412	5,309,725.2	\$11,666.27	\$12,023.95
146	17	308,048	2,482.0	5,163,894	5,307,243.2	\$19,846.01	\$20,454.36
146.1	11	308,059	1,607.1	5,165,501	5,305,636.1	\$12,850.18	\$13,244.00
146.2	7	308,066	1,023.4	5,166,524	5,304,612.7	\$8,182.88	\$8,433.61
146.3	9	308,075	1,316.7	5,167,841	5,303,296.0	\$10,527.91	\$10,850.44
146.4	13	308,088	1,903.2	5,169,744	5,301,392.8	\$15,217.20	\$15,683.28
146.5	16	308,104	2,344.0	5,172,088	5,299,048.8	\$18,741.42	\$19,315.33
146.6	13	308,117	1,905.8	5,173,994	5,297,143.0	\$15,237.61	\$15,704.14
146.7	11	308,128	1,613.7	5,175,607	5,295,529.3	\$12,902.00	\$13,296.94
146.8	4	308,132	587.2	5,176,195	5,294,942.1	\$4,694.78	\$4,838.46
146.9	13	308,145	1,909.7	5,178,104	5,293,032.4	\$15,268.24	\$15,735.42
147	14	308,159	2,058.0	5,180,162	5,290,974.4	\$16,453.71	\$16,957.07
147.1	13	308,172	1,912.3	5,182,075	5,289,062.1	\$15,288.65	\$15,756.28

## RATE SCHEDULE N (Commerical/Industrial)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
147.2	6	308,178	883.2	5,182,958	5,288,178.9	\$7,061.01	\$7,276.94
147.3	6	308,184	883.8	5,183,842	5,287,295.1	\$7,065.72	\$7,281.76
147.4	15	308,199	2,211.0	5,186,053	5,285,084.1	\$17,676.09	\$18,216.42
147.5	9	308,208	1,327.5	5,187,380	5,283,756.6	\$10,612.72	\$10,937.07
147.6	10	308,218	1,476.0	5,188,856	5,282,280.6	\$11,799.77	\$12,160.32
147.7	6	308,224	886.2	5,189,742	5,281,394.4	\$7,084.57	\$7,301.01
147.8	4	308,228	591.2	5,190,334	5,280,803.2	\$4,726.19	\$4,870.55
147.9	15	308,243	2,218.5	5,192,552	5,278,584.7	\$17,734.98	\$18,276.59
148	17	308,260	2,516.0	5,195,068	5,276,068.7	\$20,113.00	\$20,727.10
148.1	11	308,271	1,629.1	5,196,697	5,274,439.6	\$13,022.93	\$13,420.48
148.2	8	308,279	1,185.6	5,197,883	5,273,254.0	\$9,477.50	\$9,766.76
148.3	11	308,290	1,631.3	5,199,514	5,271,622.7	\$13,040.21	\$13,438.13
148.4	8	308,298	1,187.2	5,200,701	5,270,435.5	\$9,490.07	\$9,779.60
148.5	8	308,306	1,188.0	5,201,889	5,269,247.5	\$9,496.35	\$9,786.02
148.6	12	308,318	1,783.2	5,203,672	5,267,464.3	\$14,253.95	\$14,688.65
148.7	13	308,331	1,933.1	5,205,606	5,265,531.2	\$15,451.99	\$15,923.13
148.8	12	308,343	1,785.6	5,207,391	5,263,745.6	\$14,272.79	\$14,707.90
148.9	15	308,358	2,233.5	5,209,625	5,261,512.1	\$17,852.77	\$18,396.91
149	14	308,372	2,086.0	5,211,711	5,259,426.1	\$16,673.58	\$17,181.68
149.1	3	308,375	447.3	5,212,158	5,258,978.8	\$3,575.27	\$3,684.20
149.2	13	308,388	1,939.6	5,214,098	5,257,039.2	\$15,503.03	\$15,975.28
149.3	15	308,403	2,239.5	5,216,337	5,254,799.7	\$17,899.89	\$18,445.05
149.4	8	308,411	1,195.2	5,217,532	5,253,604.5	\$9,552.89	\$9,843.77
149.5	14	308,425	2,093.0	5,219,625	5,251,511.5	\$16,728.55	\$17,237.84
149.6	7	308,432	1,047.2	5,220,672	5,250,464.3	\$8,369.77	\$8,624.53
149.7	8	308,440	1,197.6	5,221,870	5,249,266.7	\$9,571.73	\$9,863.03
149.8	14	308,454	2,097.2	5,223,967	5,247,169.5	\$16,761.53	\$17,271.53
149.9	10	308,464	1,499.0	5,225,466	5,245,670.5	\$11,980.37	\$12,344.83
150	15	308,479	2,250.0	5,227,716	5,243,420.5	\$17,982.34	\$18,529.28
150.1	11	308,490	1,651.1	5,229,367	5,241,769.4	\$13,195.69	\$13,596.96
150.2	8	308,498	1,201.6	5,230,569	5,240,567.8	\$9,603.14	\$9,895.12
150.3	10	308,508	1,503.0	5,232,072	5,239,064.8	\$12,011.78	\$12,376.92
150.4	12	308,520	1,804.8	5,233,877	5,237,260.0	\$14,423.56	\$14,861.93
150.5	9	308,529	1,354.5	5,235,231	5,235,905.5	\$10,824.74	\$11,153.66
150.6	12	308,541	1,807.2	5,237,038	5,234,098.3	\$14,442.41	\$14,881.18
150.7	7	308,548	1,054.9	5,238,093	5,233,043.4	\$8,430.23	\$8,686.30
150.8	14	308,562	2,111.2	5,240,205	5,230,932.2	\$16,871.46	\$17,383.84
150.9	11	308,573	1,659.9	5,241,864	5,229,272.3	\$13,264.79	\$13,667.55
151	19	308,592	2,869.0	5,244,733	5,226,403.3	\$22,926.83	\$23,622.83
151.1	8	308,600	1,208.8	5,245,942	5,225,194.5	\$9,659.68	\$9,952.87
151.2	14	308,614	2,116.8	5,248,059	5,223,077.7	\$16,915.44	\$17,428.76
151.3	15	308,629	2,269.5	5,250,329	5,220,808.2	\$18,135.46	\$18,685.70
151.4	13	308,642	1,968.2	5,252,297	5,218,840.0	\$15,727.61	\$16,204.70
151.5	6	308,648	909.0	5,253,206	5,217,931.0	\$7,263.61	\$7,483.91
151.6	12	308,660	1,819.2	5,255,025	5,216,111.8	\$14,536.64	\$14,977.44
151.7	10	308,670	1,517.0	5,256,542	5,214,594.8	\$12,121.72	\$12,489.22

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
151.8	10	308,680	1,518.0	5,258,060	5,213,076.8	\$12,129.57	\$12,497.24
151.9	10	308,690	1,519.0	5,259,579	5,211,557.8	\$12,137.42	\$12,505.27
152	7	308,697	1,064.0	5,260,643	5,210,493.8	\$8,501.69	\$8,759.30
152.1	11	308,708	1,673.1	5,262,316	5,208,820.7	\$13,368.44	\$13,773.44
152.2	4	308,712	608.8	5,262,925	5,208,211.9	\$4,864.39	\$5,011.73
152.3	15	308,727	2,284.5	5,265,209	5,205,927.4	\$18,253.25	\$18,806.03
152.4	14	308,741	2,133.6	5,267,343	5,203,793.8	\$17,047.36	\$17,563.53
152.5	11	308,752	1,677.5	5,269,020	5,202,116.3	\$13,402.99	\$13,808.74
152.6	10	308,762	1,526.0	5,270,546	5,200,590.3	\$12,192.39	\$12,561.42
152.7	5	308,767	763.5	5,271,310	5,199,826.8	\$6,100.12	\$6,284.72
152.8	16	308,783	2,444.8	5,273,755	5,197,382.0	\$19,532.95	\$20,123.94
152.9	9	308,792	1,376.1	5,275,131	5,196,005.9	\$10,994.35	\$11,326.94
153	19	308,811	2,907.0	5,278,038	5,193,098.9	\$23,225.22	\$23,927.66
153.1	15	308,826	2,296.5	5,280,334	5,190,802.4	\$18,347.48	\$18,902.29
153.2	12	308,838	1,838.4	5,282,173	5,188,964.0	\$14,687.41	\$15,131.46
153.3	10	308,848	1,533.0	5,283,706	5,187,431.0	\$12,247.36	\$12,617.57
153.4	8	308,856	1,227.2	5,284,933	5,186,203.8	\$9,804.17	\$10,100.48
153.5	17	308,873	2,609.5	5,287,542	5,183,594.3	\$20,847.21	\$21,477.15
153.6	8	308,881	1,228.8	5,288,771	5,182,365.5	\$9,816.73	\$10,113.31
153.7	6	308,887	922.2	5,289,693	5,181,443.3	\$7,367.26	\$7,589.80
153.8	7	308,894	1,076.6	5,290,770	5,180,366.7	\$8,600.63	\$8,860.38
153.9	8	308,902	1,231.2	5,292,001	5,179,135.5	\$9,835.58	\$10,132.56
154	21	308,923	3,234.0	5,295,235	5,175,901.5	\$25,834.88	\$26,614.82
154.1	11	308,934	1,695.1	5,296,930	5,174,206.4	\$13,541.20	\$13,949.92
154.2	22	308,956	3,392.4	5,300,323	5,170,814.0	\$27,099.67	\$27,917.49
154.3	8	308,964	1,234.4	5,301,557	5,169,579.6	\$9,860.71	\$10,158.23
154.4	7	308,971	1,080.8	5,302,638	5,168,498.8	\$8,633.61	\$8,894.07
154.5	9	308,980	1,390.5	5,304,028	5,167,108.3	\$11,107.43	\$11,442.45
154.6	9	308,989	1,391.4	5,305,420	5,165,716.9	\$11,114.50	\$11,449.67
154.7	11	309,000	1,701.7	5,307,122	5,164,015.2	\$13,593.02	\$14,002.87
154.8	10	309,010	1,548.0	5,308,670	5,162,467.2	\$12,365.15	\$12,737.90
154.9	8	309,018	1,239.2	5,309,909	5,161,228.0	\$9,898.40	\$10,196.74
155	15	309,033	2,325.0	5,312,234	5,158,903.0	\$18,571.28	\$19,130.92
155.1	12	309,045	1,861.2	5,314,095	5,157,041.8	\$14,866.44	\$15,314.36
155.2	5	309,050	776.0	5,314,871	5,156,265.8	\$6,198.28	\$6,384.99
155.3	10	309,060	1,553.0	5,316,424	5,154,712.8	\$12,404.41	\$12,778.01
155.4	12	309,072	1,864.8	5,318,289	5,152,848.0	\$14,894.71	\$15,343.24
155.5	10	309,082	1,555.0	5,319,844	5,151,293.0	\$12,420.11	\$12,794.05
155.6	6	309,088	933.6	5,320,777	5,150,359.4	\$7,456.78	\$7,681.25
155.7	7	309,095	1,089.9	5,321,867	5,149,269.5	\$8,705.07	\$8,967.07
155.8	10	309,105	1,558.0	5,323,425	5,147,711.5	\$12,443.67	\$12,818.12
155.9	13	309,118	2,026.7	5,325,452	5,145,684.8	\$16,186.98	\$16,673.98
156	12	309,130	1,872.0	5,327,324	5,143,812.8	\$14,951.25	\$15,401.00
156.1	10	309,140	1,561.0	5,328,885	5,142,251.8	\$12,467.23	\$12,842.19
156.2	7	309,147	1,093.4	5,329,978	5,141,158.4	\$8,732.56	\$8,995.15
156.3	11	309,158	1,719.3	5,331,698	5,139,439.1	\$13,731.23	\$14,144.05

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
156.4	8	309,166	1,251.2	5,332,949	5,138,187.9	\$9,992.63	\$10,293.00
156.5	13	309,179	2,034.5	5,334,983	5,136,153.4	\$16,248.23	\$16,736.56
156.6	10	309,189	1,566.0	5,336,549	5,134,587.4	\$12,506.49	\$12,882.30
156.7	7	309,196	1,096.9	5,337,646	5,133,490.5	\$8,760.04	\$9,023.22
156.8	5	309,201	784.0	5,338,430	5,132,706.5	\$6,261.10	\$6,449.17
156.9	8	309,209	1,255.2	5,339,685	5,131,451.3	\$10,024.04	\$10,325.09
157	12	309,221	1,884.0	5,341,569	5,129,567.3	\$15,045.48	\$15,497.26
157.1	15	309,236	2,356.5	5,343,926	5,127,210.8	\$18,818.63	\$19,383.61
157.2	10	309,246	1,572.0	5,345,498	5,125,638.8	\$12,553.61	\$12,930.43
157.3	6	309,252	943.8	5,346,442	5,124,695.0	\$7,536.87	\$7,763.07
157.4	6	309,258	944.4	5,347,386	5,123,750.6	\$7,541.59	\$7,767.88
157.5	9	309,267	1,417.5	5,348,804	5,122,333.1	\$11,319.45	\$11,659.04
157.6	11	309,278	1,733.6	5,350,537	5,120,599.5	\$13,843.52	\$14,258.77
157.7	10	309,288	1,577.0	5,352,114	5,119,022.5	\$12,592.87	\$12,970.54
157.8	11	309,299	1,735.8	5,353,850	5,117,286.7	\$13,860.79	\$14,276.41
157.9	10	309,309	1,579.0	5,355,429	5,115,707.7	\$12,608.57	\$12,986.58
158	10	309,319	1,580.0	5,357,009	5,114,127.7	\$12,616.43	\$12,994.60
158.1	17	309,336	2,687.7	5,359,697	5,111,440.0	\$21,461.27	\$22,104.46
158.2	6	309,342	949.2	5,360,646	5,110,490.8	\$7,579.28	\$7,806.39
158.3	7	309,349	1,108.1	5,361,754	5,109,382.7	\$8,847.99	\$9,113.07
158.4	3	309,352	475.2	5,362,229	5,108,907.5	\$3,794.35	\$3,908.01
158.5	9	309,361	1,426.5	5,363,656	5,107,481.0	\$11,390.12	\$11,731.24
158.6	16	309,377	2,537.6	5,366,193	5,104,943.4	\$20,261.66	\$20,868.37
158.7	6	309,383	952.2	5,367,146	5,103,991.2	\$7,602.84	\$7,830.45
158.8	6	309,389	952.8	5,368,098	5,103,038.4	\$7,607.55	\$7,835.27
158.9	7	309,396	1,112.3	5,369,211	5,101,926.1	\$8,880.97	\$9,146.76
159	13	309,409	2,067.0	5,371,278	5,099,859.1	\$16,503.44	\$16,997.27
159.1	13	309,422	2,068.3	5,373,346	5,097,790.8	\$16,513.64	\$17,007.70
159.2	17	309,439	2,706.4	5,376,052	5,095,084.4	\$21,608.11	\$22,254.47
159.3	13	309,452	2,070.9	5,378,123	5,093,013.5	\$16,534.06	\$17,028.55
159.4	10	309,462	1,594.0	5,379,717	5,091,419.5	\$12,726.36	\$13,106.91
159.5	11	309,473	1,754.5	5,381,472	5,089,665.0	\$14,007.63	\$14,426.42
159.6	8	309,481	1,276.8	5,382,749	5,088,388.2	\$10,193.65	\$10,498.36
159.7	9	309,490	1,437.3	5,384,186	5,086,950.9	\$11,474.93	\$11,817.88
159.8	13	309,503	2,077.4	5,386,263	5,084,873.5	\$16,585.10	\$17,080.70
159.9	6	309,509	959.4	5,387,223	5,083,914.1	\$7,659.37	\$7,888.21
160	18	309,527	2,880.0	5,390,103	5,081,034.1	\$22,992.26	\$23,679.07
160.1	11	309,538	1,761.1	5,391,864	5,079,273.0	\$14,059.46	\$14,479.37
160.2	6	309,544	961.2	5,392,825	5,078,311.8	\$7,673.51	\$7,902.65
160.3	7	309,551	1,122.1	5,393,947	5,077,189.7	\$8,957.92	\$9,225.37
160.4	10	309,561	1,604.0	5,395,551	5,075,585.7	\$12,804.89	\$13,187.13
160.5	10	309,571	1,605.0	5,397,156	5,073,980.7	\$12,812.74	\$13,195.15
160.6	6	309,577	963.6	5,398,120	5,073,017.1	\$7,692.35	\$7,921.90
160.7	9	309,586	1,446.3	5,399,566	5,071,570.8	\$11,545.60	\$11,890.07
160.8	13	309,599	2,090.4	5,401,656	5,069,480.4	\$16,687.18	\$17,184.98
160.9	5	309,604	804.5	5,402,461	5,068,675.9	\$6,422.07	\$6,613.62

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
161	10	309,614	1,610.0	5,404,071	5,067,065.9	\$12,852.00	\$13,235.26
161.1	9	309,623	1,449.9	5,405,521	5,065,616.0	\$11,573.87	\$11,918.95
161.2	11	309,634	1,773.2	5,407,294	5,063,842.8	\$14,154.48	\$14,576.43
161.3	6	309,640	967.8	5,408,262	5,062,875.0	\$7,725.33	\$7,955.59
161.4	4	309,644	645.6	5,408,907	5,062,229.4	\$5,153.36	\$5,306.94
161.5	12	309,656	1,938.0	5,410,845	5,060,291.4	\$15,469.52	\$15,930.44
161.6	12	309,668	1,939.2	5,412,785	5,058,352.2	\$15,478.94	\$15,940.07
161.7	7	309,675	1,131.9	5,413,916	5,057,220.3	\$9,034.88	\$9,303.99
161.8	10	309,685	1,618.0	5,415,534	5,055,602.3	\$12,914.82	\$13,299.43
161.9	12	309,697	1,942.8	5,417,477	5,053,659.5	\$15,507.21	\$15,968.95
162	15	309,712	2,430.0	5,419,907	5,051,229.5	\$19,395.79	\$19,973.22
162.1	10	309,722	1,621.0	5,421,528	5,049,608.5	\$12,938.38	\$13,323.50
162.2	9	309,731	1,459.8	5,422,988	5,048,148.7	\$11,651.61	\$11,998.37
162.3	9	309,740	1,460.7	5,424,449	5,046,688.0	\$11,658.67	\$12,005.59
162.4	21	309,761	3,410.4	5,427,859	5,043,277.6	\$27,220.06	\$28,029.89
162.5	6	309,767	975.0	5,428,834	5,042,302.6	\$7,781.87	\$8,013.35
162.6	4	309,771	650.4	5,429,485	5,041,652.2	\$5,191.06	\$5,345.44
162.7	8	309,779	1,301.6	5,430,786	5,040,350.6	\$10,388.39	\$10,697.31
162.8	6	309,785	976.8	5,431,763	5,039,373.8	\$7,796.01	\$8,027.79
162.9	6	309,791	977.4	5,432,740	5,038,396.4	\$7,800.72	\$8,032.61
163	15	309,806	2,445.0	5,435,185	5,035,951.4	\$19,513.58	\$20,093.55
163.1	10	309,816	1,631.0	5,436,816	5,034,320.4	\$13,016.90	\$13,403.72
163.2	8	309,824	1,305.6	5,438,122	5,033,014.8	\$10,419.80	\$10,729.39
163.3	7	309,831	1,143.1	5,439,265	5,031,871.7	\$9,122.83	\$9,393.83
163.4	11	309,842	1,797.4	5,441,062	5,030,074.3	\$14,344.51	\$14,770.56
163.5	14	309,856	2,289.0	5,443,351	5,027,785.3	\$18,267.64	\$18,810.13
163.6	4	309,860	654.4	5,444,006	5,027,130.9	\$5,222.47	\$5,377.53
163.7	9	309,869	1,473.3	5,445,479	5,025,657.6	\$11,757.62	\$12,106.67
163.8	8	309,877	1,310.4	5,446,790	5,024,347.2	\$10,457.50	\$10,767.90
163.9	11	309,888	1,802.9	5,448,592	5,022,544.3	\$14,387.69	\$14,814.68
164	16	309,904	2,624.0	5,451,216	5,019,920.3	\$20,940.12	\$21,561.47
164.1	4	309,908	656.4	5,451,873	5,019,263.9	\$5,238.17	\$5,393.58
164.2	7	309,915	1,149.4	5,453,022	5,018,114.5	\$9,172.30	\$9,444.37
164.3	6	309,921	985.8	5,454,008	5,017,128.7	\$7,866.68	\$8,099.99
164.4	1	309,922	164.4	5,454,172	5,016,964.3	\$1,311.90	\$1,350.80
164.5	8	309,930	1,316.0	5,455,488	5,015,648.3	\$10,501.47	\$10,812.82
164.6	5	309,935	823.0	5,456,311	5,014,825.3	\$6,567.35	\$6,762.02
164.7	8	309,943	1,317.6	5,457,629	5,013,507.7	\$10,514.03	\$10,825.66
164.8	7	309,950	1,153.6	5,458,783	5,012,354.1	\$9,205.28	\$9,478.06
164.9	7	309,957	1,154.3	5,459,937	5,011,199.8	\$9,210.77	\$9,483.68
165	8	309,965	1,320.0	5,461,257	5,009,879.8	\$10,532.88	\$10,844.91
165.1	13	309,978	2,146.3	5,463,403	5,007,733.5	\$17,126.14	\$17,633.40
165.2	10	309,988	1,652.0	5,465,055	5,006,081.5	\$13,181.81	\$13,572.18
165.3	8	309,996	1,322.4	5,466,378	5,004,759.1	\$10,551.73	\$10,864.16
165.4	7	310,003	1,157.8	5,467,535	5,003,601.3	\$9,238.26	\$9,511.76
165.5	9	310,012	1,489.5	5,469,025	5,002,111.8	\$11,884.83	\$12,236.62



## RATE SCHEDULE N (Commerical/Industrial)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
165.6	7	310,019	1,159.2	5,470,184	5,000,952.6	\$9,249.25	\$9,522.99
165.7	10	310,029	1,657.0	5,471,841	4,999,295.6	\$13,221.07	\$13,612.29
165.8	11	310,040	1,823.8	5,473,665	4,997,471.8	\$14,551.81	\$14,982.34
165.9	8	310,048	1,327.2	5,474,992	4,996,144.6	\$10,589.42	\$10,902.67
166	11	310,059	1,826.0	5,476,818	4,994,318.6	\$14,569.09	\$14,999.99
166.1	11	310,070	1,827.1	5,478,645	4,992,491.5	\$14,577.73	\$15,008.81
166.2	8	310,078	1,329.6	5,479,975	4,991,161.9	\$10,608.26	\$10,921.92
166.3	10	310,088	1,663.0	5,481,638	4,989,498.9	\$13,268.18	\$13,660.42
166.4	12	310,100	1,996.8	5,483,635	4,987,502.1	\$15,931.24	\$16,402.13
166.5	9	310,109	1,498.5	5,485,133	4,986,003.6	\$11,955.50	\$12,308.82
166.6	9	310,118	1,499.4	5,486,633	4,984,504.2	\$11,962.57	\$12,316.04
166.7	7	310,125	1,166.9	5,487,799	4,983,337.3	\$9,309.71	\$9,584.76
166.8	10	310,135	1,668.0	5,489,467	4,981,669.3	\$13,307.45	\$13,700.53
166.9	7	310,142	1,168.3	5,490,636	4,980,501.0	\$9,320.71	\$9,595.99
167	14	310,156	2,338.0	5,492,974	4,978,163.0	\$18,652.41	\$19,203.20
167.1	11	310,167	1,838.1	5,494,812	4,976,324.9	\$14,664.10	\$15,097.05
167.2	6	310,173	1,003.2	5,495,815	4,975,321.7	\$8,003.31	\$8,239.57
167.3	13	310,186	2,174.9	5,497,990	4,973,146.8	\$17,350.72	\$17,862.83
167.4	8	310,194	1,339.2	5,499,329	4,971,807.6	\$10,683.65	\$10,998.93
167.5	5	310,199	837.5	5,500,167	4,970,970.1	\$6,681.21	\$6,878.34
167.6	12	310,211	2,011.2	5,502,178	4,968,958.9	\$16,044.32	\$16,517.65
167.7	5	310,216	838.5	5,503,016	4,968,120.4	\$6,689.06	\$6,886.36
167.8	9	310,225	1,510.2	5,504,527	4,966,610.2	\$12,047.37	\$12,402.67
167.9	7	310,232	1,175.3	5,505,702	4,965,434.9	\$9,375.68	\$9,652.14
168	12	310,244	2,016.0	5,507,718	4,963,418.9	\$16,082.01	\$16,556.15
168.1	4	310,248	672.4	5,508,390	4,962,746.5	\$5,363.81	\$5,521.93
168.2	3	310,251	504.6	5,508,895	4,962,241.9	\$4,025.21	\$4,143.85
168.3	5	310,256	841.5	5,509,736	4,961,400.4	\$6,712.62	\$6,910.43
168.4	7	310,263	1,178.8	5,510,915	4,960,221.6	\$9,403.16	\$9,680.22
168.5	2	310,265	337.0	5,511,252	4,959,884.6	\$2,688.19	\$2,767.38
168.6	6	310,271	1,011.6	5,512,264	4,958,873.0	\$8,069.27	\$8,306.95
168.7	4	310,275	674.8	5,512,939	4,958,198.2	\$5,382.66	\$5,541.18
168.8	4	310,279	675.2	5,513,614	4,957,523.0	\$5,385.80	\$5,544.39
168.9	6	310,285	1,013.4	5,514,627	4,956,509.6	\$8,083.41	\$8,321.39
169	9	310,294	1,521.0	5,516,148	4,954,988.6	\$12,132.18	\$12,489.31
169.1	7	310,301	1,183.7	5,517,332	4,953,804.9	\$9,441.64	\$9,719.52
169.2	7	310,308	1,184.4	5,518,516	4,952,620.5	\$9,447.13	\$9,725.14
169.3	7	310,315	1,185.1	5,519,701	4,951,435.4	\$9,452.63	\$9,730.75
169.4	10	310,325	1,694.0	5,521,395	4,949,741.4	\$13,511.61	\$13,909.10
169.5	10	310,335	1,695.0	5,523,090	4,948,046.4	\$13,519.46	\$13,917.12
169.6	6	310,341	1,017.6	5,524,108	4,947,028.8	\$8,116.39	\$8,355.09
169.7	10	310,351	1,697.0	5,525,805	4,945,331.8	\$13,535.17	\$13,933.16
169.8	7	310,358	1,188.6	5,526,994	4,944,143.2	\$9,480.11	\$9,758.83
169.9	7	310,365	1,189.3	5,528,183	4,942,953.9	\$9,485.61	\$9,764.45
170	9	310,374	1,530.0	5,529,713	4,941,423.9	\$12,202.85	\$12,561.51
170.1	4	310,378	680.4	5,530,393	4,940,743.5	\$5,426.63	\$5,586.10

## RATE SCHEDULE N (Commerical/Industrial)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
170.2	5	310,383	851.0	5,531,244	4,939,892.5	\$6,787.22	\$6,986.64
170.3	20	310,403	3,406.0	5,534,650	4,936,486.5	\$27,164.57	\$27,962.59
170.4	7	310,410	1,192.8	5,535,843	4,935,293.7	\$9,513.09	\$9,792.52
170.5	10	310,420	1,705.0	5,537,548	4,933,588.7	\$13,597.99	\$13,997.34
170.6	9	310,429	1,535.4	5,539,083	4,932,053.3	\$12,245.26	\$12,604.83
170.7	4	310,433	682.8	5,539,766	4,931,370.5	\$5,445.48	\$5,605.35
170.8	4	310,437	683.2	5,540,449	4,930,687.3	\$5,448.62	\$5,608.56
170.9	3	310,440	512.7	5,540,962	4,930,174.6	\$4,088.82	\$4,208.83
171	13	310,453	2,223.0	5,543,185	4,927,951.6	\$17,728.43	\$18,248.68
171.1	9	310,462	1,539.9	5,544,725	4,926,411.7	\$12,280.59	\$12,640.92
171.2	10	310,472	1,712.0	5,546,437	4,924,699.7	\$13,652.96	\$14,053.49
171.3	7	310,479	1,199.1	5,547,636	4,923,500.6	\$9,562.57	\$9,843.06
171.4	6	310,485	1,028.4	5,548,665	4,922,472.2	\$8,201.20	\$8,441.72
171.5	8	310,493	1,372.0	5,550,037	4,921,100.2	\$10,941.21	\$11,262.05
171.6	9	310,502	1,544.4	5,551,581	4,919,555.8	\$12,315.93	\$12,677.02
171.7	9	310,511	1,545.3	5,553,126	4,918,010.5	\$12,323.00	\$12,684.24
171.8	7	310,518	1,202.6	5,554,329	4,916,807.9	\$9,590.05	\$9,871.14
171.9	6	310,524	1,031.4	5,555,360	4,915,776.5	\$8,224.75	\$8,465.79
172	6	310,530	1,032.0	5,556,392	4,914,744.5	\$8,229.47	\$8,470.60
172.1	10	310,540	1,721.0	5,558,113	4,913,023.5	\$13,723.63	\$14,125.69
172.2	12	310,552	2,066.4	5,560,180	4,910,957.1	\$16,477.78	\$16,960.45
172.3	9	310,561	1,550.7	5,561,730	4,909,406.4	\$12,365.40	\$12,727.56
172.4	6	310,567	1,034.4	5,562,765	4,908,372.0	\$8,248.31	\$8,489.85
172.5	5	310,572	862.5	5,563,627	4,907,509.5	\$6,877.52	\$7,078.89
172.6	9	310,581	1,553.4	5,565,181	4,905,956.1	\$12,386.60	\$12,749.22
172.7	8	310,589	1,381.6	5,566,562	4,904,574.5	\$11,016.59	\$11,339.06
172.8	5	310,594	864.0	5,567,426	4,903,710.5	\$6,889.30	\$7,090.92
172.9	9	310,603	1,556.1	5,568,982	4,902,154.4	\$12,407.80	\$12,770.88
173	15	310,618	2,595.0	5,571,577	4,899,559.4	\$20,691.45	\$21,296.83
173.1	1	310,619	173.1	5,571,750	4,899,386.3	\$1,380.22	\$1,420.59
173.2	13	310,632	2,251.6	5,574,002	4,897,134.7	\$17,953.01	\$18,478.11
173.3	7	310,639	1,213.1	5,575,215	4,895,921.6	\$9,672.50	\$9,955.37
173.4	4	310,643	693.6	5,575,909	4,895,228.0	\$5,530.28	\$5,691.99
173.5	9	310,652	1,561.5	5,577,470	4,893,666.5	\$12,450.21	\$12,814.20
173.6	4	310,656	694.4	5,578,165	4,892,972.1	\$5,536.57	\$5,698.41
173.7	7	310,663	1,215.9	5,579,381	4,891,756.2	\$9,694.49	\$9,977.83
173.8	3	310,666	521.4	5,579,902	4,891,234.8	\$4,157.14	\$4,278.62
173.9	5	310,671	869.5	5,580,771	4,890,365.3	\$6,932.49	\$7,135.04
174	14	310,685	2,436.0	5,583,207	4,887,929.3	\$19,421.96	\$19,989.35
174.1	2	310,687	348.2	5,583,556	4,887,581.1	\$2,776.14	\$2,857.23
174.2	3	310,690	522.6	5,584,078	4,887,058.5	\$4,166.56	\$4,288.24
174.3	6	310,696	1,045.8	5,585,124	4,886,012.7	\$8,337.83	\$8,581.30
174.4	7	310,703	1,220.8	5,586,345	4,884,791.9	\$9,732.96	\$10,017.14
174.5	4	310,707	698.0	5,587,043	4,884,093.9	\$5,564.84	\$5,727.29
174.6	5	310,712	873.0	5,587,916	4,883,220.9	\$6,959.97	\$7,163.12
174.7	6	310,718	1,048.2	5,588,964	4,882,172.7	\$8,356.68	\$8,600.56

## RATE SCHEDULE N (Commerical/Industrial)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
174.8	12	310,730	2,097.6	5,591,062	4,880,075.1	\$16,722.77	\$17,210.74
174.9	11	310,741	1,923.9	5,592,986	4,878,151.2	\$15,337.85	\$15,785.33
175	12	310,753	2,100.0	5,595,086	4,876,051.2	\$16,741.62	\$17,229.99
175.1	14	310,767	2,451.4	5,597,537	4,873,599.8	\$19,542.88	\$20,112.89
175.2	4	310,771	700.8	5,598,238	4,872,899.0	\$5,586.82	\$5,749.75
175.3	7	310,778	1,227.1	5,599,465	4,871,671.9	\$9,782.44	\$10,067.67
175.4	3	310,781	526.2	5,599,991	4,871,145.7	\$4,194.83	\$4,317.12
175.5	7	310,788	1,228.5	5,601,220	4,869,917.2	\$9,793.43	\$10,078.90
175.6	5	310,793	878.0	5,602,098	4,869,039.2	\$6,999.23	\$7,203.23
175.7	3	310,796	527.1	5,602,625	4,868,512.1	\$4,201.90	\$4,324.34
175.8	7	310,803	1,230.6	5,603,855	4,867,281.5	\$9,809.92	\$10,095.75
175.9	7	310,810	1,231.3	5,605,087	4,866,050.2	\$9,815.42	\$10,101.37
176	10	310,820	1,760.0	5,606,847	4,864,290.2	\$14,029.88	\$14,438.54
176.1	1	310,821	176.1	5,607,023	4,864,114.1	\$1,403.77	\$1,444.66
176.2	6	310,827	1,057.2	5,608,080	4,863,056.9	\$8,427.35	\$8,672.75
176.3	13	310,840	2,291.9	5,610,372	4,860,765.0	\$18,269.46	\$18,801.39
176.4	12	310,852	2,116.8	5,612,489	4,858,648.2	\$16,873.54	\$17,364.76
176.5	8	310,860	1,412.0	5,613,901	4,857,236.2	\$11,255.31	\$11,582.92
176.6	9	310,869	1,589.4	5,615,490	4,855,646.8	\$12,669.29	\$13,038.01
176.7	3	310,872	530.1	5,616,020	4,855,116.7	\$4,225.45	\$4,348.41
176.8	9	310,881	1,591.2	5,617,611	4,853,525.5	\$12,683.43	\$13,052.45
176.9	5	310,886	884.5	5,618,496	4,852,641.0	\$7,050.27	\$7,255.37
177	10	310,896	1,770.0	5,620,266	4,850,871.0	\$14,108.40	\$14,518.76
177.1	9	310,905	1,593.9	5,621,860	4,849,277.1	\$12,704.63	\$13,074.11
177.2	5	310,910	886.0	5,622,746	4,848,391.1	\$7,062.05	\$7,267.40
177.3	8	310,918	1,418.4	5,624,164	4,846,972.7	\$11,305.57	\$11,634.26
177.4	6	310,924	1,064.4	5,625,228	4,845,908.3	\$8,483.89	\$8,730.51
177.5	11	310,935	1,952.5	5,627,181	4,843,955.8	\$15,562.43	\$16,014.76
177.6	7	310,942	1,243.2	5,628,424	4,842,712.6	\$9,908.86	\$10,196.83
177.7	5	310,947	888.5	5,629,313	4,841,824.1	\$7,081.68	\$7,287.46
177.8	9	310,956	1,600.2	5,630,913	4,840,223.9	\$12,754.10	\$13,124.64
177.9	4	310,960	711.6	5,631,624	4,839,512.3	\$5,671.63	\$5,836.38
178	9	310,969	1,602.0	5,633,226	4,837,910.3	\$12,768.23	\$13,139.08
178.1	8	310,977	1,424.8	5,634,651	4,836,485.5	\$11,355.82	\$11,685.60
178.2	5	310,982	891.0	5,635,542	4,835,594.5	\$7,101.32	\$7,307.51
178.3	4	310,986	713.2	5,636,255	4,834,881.3	\$5,684.19	\$5,849.22
178.4	10	310,996	1,784.0	5,638,039	4,833,097.3	\$14,218.34	\$14,631.07
178.5	10	311,006	1,785.0	5,639,824	4,831,312.3	\$14,226.19	\$14,639.09
178.6	6	311,012	1,071.6	5,640,896	4,830,240.7	\$8,540.42	\$8,788.27
178.7	8	311,020	1,429.6	5,642,326	4,828,811.1	\$11,393.51	\$11,724.11
178.8	10	311,030	1,788.0	5,644,114	4,827,023.1	\$14,249.75	\$14,663.16
178.9	4	311,034	715.6	5,644,829	4,826,307.5	\$5,703.04	\$5,868.47
179	15	311,049	2,685.0	5,647,514	4,823,622.5	\$21,398.18	\$22,018.80
179.1	6	311,055	1,074.6	5,648,589	4,822,547.9	\$8,563.98	\$8,812.33
179.2	6	311,061	1,075.2	5,649,664	4,821,472.7	\$8,568.69	\$8,817.15
179.3	7	311,068	1,255.1	5,650,919	4,820,217.6	\$10,002.31	\$10,292.29

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
179.4	7	311,075	1,255.8	5,652,175	4,818,961.8	\$10,007.80	\$10,297.90
179.5	11	311,086	1,974.5	5,654,149	4,816,987.3	\$15,735.18	\$16,191.24
179.6	4	311,090	718.4	5,654,868	4,816,268.9	\$5,725.03	\$5,890.93
179.7	11	311,101	1,976.7	5,656,845	4,814,292.2	\$15,752.46	\$16,208.89
179.8	16	311,117	2,876.8	5,659,721	4,811,415.4	\$22,925.23	\$23,589.40
179.9	8	311,125	1,439.2	5,661,161	4,809,976.2	\$11,468.90	\$11,801.12
180	20	311,145	3,600.0	5,664,761	4,806,376.2	\$28,687.95	\$29,518.84
180.1	9	311,154	1,620.9	5,666,381	4,804,755.3	\$12,916.64	\$13,290.70
180.2	3	311,157	540.6	5,666,922	4,804,214.7	\$4,307.90	\$4,432.64
180.3	4	311,161	721.2	5,667,643	4,803,493.5	\$5,747.01	\$5,913.39
180.4	5	311,166	902.0	5,668,545	4,802,591.5	\$7,187.69	\$7,395.75
180.5	7	311,173	1,263.5	5,669,809	4,801,328.0	\$10,068.27	\$10,359.67
180.6	7	311,180	1,264.2	5,671,073	4,800,063.8	\$10,073.76	\$10,365.29
180.7	7	311,187	1,264.9	5,672,338	4,798,798.9	\$10,079.26	\$10,370.90
180.8	6	311,193	1,084.8	5,673,423	4,797,714.1	\$8,644.08	\$8,894.16
180.9	4	311,197	723.6	5,674,146	4,796,990.5	\$5,765.86	\$5,932.65
181	13	311,210	2,353.0	5,676,499	4,794,637.5	\$18,749.25	\$19,291.53
181.1	9	311,219	1,629.9	5,678,129	4,793,007.6	\$12,987.32	\$13,362.89
181.2	6	311,225	1,087.2	5,679,216	4,791,920.4	\$8,662.92	\$8,913.41
181.3	3	311,228	543.9	5,679,760	4,791,376.5	\$4,333.82	\$4,459.11
181.4	7	311,235	1,269.8	5,681,030	4,790,106.7	\$10,117.74	\$10,410.21
181.5	5	311,240	907.5	5,681,938	4,789,199.2	\$7,230.88	\$7,439.87
181.6	10	311,250	1,816.0	5,683,754	4,787,383.2	\$14,469.62	\$14,887.77
181.7	8	311,258	1,453.6	5,685,207	4,785,929.6	\$11,581.97	\$11,916.63
181.8	6	311,264	1,090.8	5,686,298	4,784,838.8	\$8,691.19	\$8,942.29
181.9	2	311,266	363.8	5,686,662	4,784,475.0	\$2,898.63	\$2,982.37
182	8	311,274	1,456.0	5,688,118	4,783,019.0	\$11,600.82	\$11,935.89
182.1	7	311,281	1,274.7	5,689,392	4,781,744.3	\$10,156.21	\$10,449.52
182.2	8	311,289	1,457.6	5,690,850	4,780,286.7	\$11,613.38	\$11,948.72
182.3	7	311,296	1,276.1	5,692,126	4,779,010.6	\$10,167.21	\$10,460.75
182.4	3	311,299	547.2	5,692,673	4,778,463.4	\$4,359.73	\$4,485.58
182.5	6	311,305	1,095.0	5,693,768	4,777,368.4	\$8,724.17	\$8,975.98
182.6	6	311,311	1,095.6	5,694,864	4,776,272.8	\$8,728.88	\$8,980.79
182.7	4	311,315	730.8	5,695,595	4,775,542.0	\$5,822.40	\$5,990.40
182.8	5	311,320	914.0	5,696,509	4,774,628.0	\$7,281.92	\$7,492.02
182.9	4	311,324	731.6	5,697,240	4,773,896.4	\$5,828.68	\$5,996.82
183	11	311,335	2,013.0	5,699,253	4,771,883.4	\$16,037.51	\$16,500.08
183.1	8	311,343	1,464.8	5,700,718	4,770,418.6	\$11,669.92	\$12,006.48
183.2	8	311,351	1,465.6	5,702,184	4,768,953.0	\$11,676.20	\$12,012.90
183.3	5	311,356	916.5	5,703,100	4,768,036.5	\$7,301.55	\$7,512.07
183.4	6	311,362	1,100.4	5,704,201	4,766,936.1	\$8,766.58	\$9,019.30
183.5	6	311,368	1,101.0	5,705,302	4,765,835.1	\$8,771.29	\$9,024.11
183.6	11	311,379	2,019.6	5,707,321	4,763,815.5	\$16,089.33	\$16,553.03
183.7	6	311,385	1,102.2	5,708,423	4,762,713.3	\$8,780.71	\$9,033.74
183.8	6	311,391	1,102.8	5,709,526	4,761,610.5	\$8,785.42	\$9,038.55
183.9	6	311,397	1,103.4	5,710,630	4,760,507.1	\$8,790.13	\$9,043.36

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
184	6	311,403	1,104.0	5,711,734	4,759,403.1	\$8,794.85	\$9,048.18
184.1	2	311,405	368.2	5,712,102	4,759,034.9	\$2,933.19	\$3,017.66
184.2	6	311,411	1,105.2	5,713,207	4,757,929.7	\$8,804.27	\$9,057.80
184.3	3	311,414	552.9	5,713,760	4,757,376.8	\$4,404.49	\$4,531.31
184.4	8	311,422	1,475.2	5,715,235	4,755,901.6	\$11,751.59	\$12,089.91
184.5	10	311,432	1,845.0	5,717,080	4,754,056.6	\$14,697.34	\$15,120.41
184.6	5	311,437	923.0	5,718,003	4,753,133.6	\$7,352.60	\$7,564.21
184.7	6	311,443	1,108.2	5,719,111	4,752,025.4	\$8,827.83	\$9,081.87
184.8	9	311,452	1,663.2	5,720,775	4,750,362.2	\$13,248.81	\$13,630.02
184.9	6	311,458	1,109.4	5,721,884	4,749,252.8	\$8,837.25	\$9,091.50
185	8	311,466	1,480.0	5,723,364	4,747,772.8	\$11,789.28	\$12,128.41
185.1	6	311,472	1,110.6	5,724,475	4,746,662.2	\$8,846.67	\$9,101.12
185.2	8	311,480	1,481.6	5,725,956	4,745,180.6	\$11,801.84	\$12,141.25
185.3	10	311,490	1,853.0	5,727,809	4,743,327.6	\$14,760.16	\$15,184.58
185.4	7	311,497	1,297.8	5,729,107	4,742,029.8	\$10,337.61	\$10,634.82
185.5	7	311,504	1,298.5	5,730,405	4,740,731.3	\$10,343.10	\$10,640.44
185.6	8	311,512	1,484.8	5,731,890	4,739,246.5	\$11,826.97	\$12,166.92
185.7	7	311,519	1,299.9	5,733,190	4,737,946.6	\$10,354.10	\$10,651.67
185.8	4	311,523	743.2	5,733,933	4,737,203.4	\$5,919.77	\$6,089.88
185.9	9	311,532	1,673.1	5,735,606	4,735,530.3	\$13,326.55	\$13,709.44
186	9	311,541	1,674.0	5,737,280	4,733,856.3	\$13,333.61	\$13,716.66
186.1	8	311,549	1,488.8	5,738,769	4,732,367.5	\$11,858.38	\$12,199.00
186.2	4	311,553	744.8	5,739,514	4,731,622.7	\$5,932.33	\$6,102.71
186.3	5	311,558	931.5	5,740,446	4,730,691.2	\$7,419.34	\$7,632.40
186.4	12	311,570	2,236.8	5,742,682	4,728,454.4	\$17,815.84	\$18,327.39
186.5	6	311,576	1,119.0	5,743,801	4,727,335.4	\$8,912.63	\$9,168.51
186.6	5	311,581	933.0	5,744,734	4,726,402.4	\$7,431.12	\$7,644.43
186.7	4	311,585	746.8	5,745,481	4,725,655.6	\$5,948.04	\$6,118.75
186.8	4	311,589	747.2	5,746,228	4,724,908.4	\$5,951.18	\$6,121.96
186.9	3	311,592	560.7	5,746,789	4,724,347.7	\$4,465.74	\$4,593.88
187	6	311,598	1,122.0	5,747,911	4,723,225.7	\$8,936.19	\$9,192.57
187.1	4	311,602	748.4	5,748,659	4,722,477.3	\$5,960.60	\$6,131.59
187.2	4	311,606	748.8	5,749,408	4,721,728.5	\$5,963.74	\$6,134.80
187.3	6	311,612	1,123.8	5,750,532	4,720,604.7	\$8,950.32	\$9,207.01
187.4	2	311,614	374.8	5,750,907	4,720,229.9	\$2,985.01	\$3,070.61
187.5	7	311,621	1,312.5	5,752,219	4,718,917.4	\$10,453.04	\$10,752.74
187.6	11	311,632	2,063.6	5,754,283	4,716,853.8	\$16,434.84	\$16,905.99
187.7	8	311,640	1,501.6	5,755,785	4,715,352.2	\$11,958.89	\$12,301.69
187.8	5	311,645	939.0	5,756,724	4,714,413.2	\$7,478.24	\$7,692.56
187.9	3	311,648	563.7	5,757,287	4,713,849.5	\$4,489.30	\$4,617.95
188	12	311,660	2,256.0	5,759,543	4,711,593.5	\$17,966.61	\$18,481.41
188.1	5	311,665	940.5	5,760,484	4,710,653.0	\$7,490.01	\$7,704.60
188.2	5	311,670	941.0	5,761,425	4,709,712.0	\$7,493.94	\$7,708.61
188.3	4	311,674	753.2	5,762,178	4,708,958.8	\$5,998.29	\$6,170.10
188.4	4	311,678	753.6	5,762,932	4,708,205.2	\$6,001.43	\$6,173.30
188.5	5	311,683	942.5	5,763,874	4,707,262.7	\$7,505.72	\$7,720.64

## RATE SCHEDULE N (Commerical/Industrial)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
188.6	7	311,690	1,320.2	5,765,194	4,705,942.5	\$10,513.50	\$10,814.51
188.7	6	311,696	1,132.2	5,766,326	4,704,810.3	\$9,016.29	\$9,274.40
188.8	6	311,702	1,132.8	5,767,459	4,703,677.5	\$9,021.00	\$9,279.21
188.9	6	311,708	1,133.4	5,768,593	4,702,544.1	\$9,025.71	\$9,284.02
189	12	311,720	2,268.0	5,770,861	4,700,276.1	\$18,060.84	\$18,577.67
189.1	17	311,737	3,214.7	5,774,075	4,697,061.4	\$25,599.54	\$26,332.00
189.2	6	311,743	1,135.2	5,775,211	4,695,926.2	\$9,039.84	\$9,298.46
189.3	5	311,748	946.5	5,776,157	4,694,979.7	\$7,537.13	\$7,752.73
189.4	5	311,753	947.0	5,777,104	4,694,032.7	\$7,541.06	\$7,756.74
189.5	4	311,757	758.0	5,777,862	4,693,274.7	\$6,035.99	\$6,208.60
189.6	3	311,760	568.8	5,778,431	4,692,705.9	\$4,529.34	\$4,658.86
189.7	5	311,765	948.5	5,779,379	4,691,757.4	\$7,552.83	\$7,768.77
189.8	2	311,767	379.6	5,779,759	4,691,377.8	\$3,022.70	\$3,109.11
189.9	4	311,771	759.6	5,780,519	4,690,618.2	\$6,048.55	\$6,221.44
190	13	311,784	2,470.0	5,782,989	4,688,148.2	\$19,667.99	\$20,230.09
190.1	8	311,792	1,520.8	5,784,509	4,686,627.4	\$12,109.66	\$12,455.71
190.2	6	311,798	1,141.2	5,785,651	4,685,486.2	\$9,086.96	\$9,346.59
190.3	10	311,808	1,903.0	5,787,554	4,683,583.2	\$15,152.78	\$15,585.68
190.4	4	311,812	761.6	5,788,315	4,682,821.6	\$6,064.25	\$6,237.48
190.5	5	311,817	952.5	5,789,268	4,681,869.1	\$7,584.24	\$7,800.86
190.6	6	311,823	1,143.6	5,790,411	4,680,725.5	\$9,105.80	\$9,365.84
190.7	6	311,829	1,144.2	5,791,555	4,679,581.3	\$9,110.52	\$9,370.66
190.8	4	311,833	763.2	5,792,319	4,678,818.1	\$6,076.82	\$6,250.31
190.9	2	311,835	381.8	5,792,700	4,678,436.3	\$3,039.98	\$3,126.76
191	8	311,843	1,528.0	5,794,228	4,676,908.3	\$12,166.20	\$12,513.46
191.1	3	311,846	573.3	5,794,802	4,676,335.0	\$4,564.68	\$4,694.96
191.2	6	311,852	1,147.2	5,795,949	4,675,187.8	\$9,134.07	\$9,394.72
191.3	5	311,857	956.5	5,796,905	4,674,231.3	\$7,615.65	\$7,832.95
191.4	5	311,862	957.0	5,797,862	4,673,274.3	\$7,619.58	\$7,836.96
191.5	4	311,866	766.0	5,798,628	4,672,508.3	\$6,098.81	\$6,272.78
191.6	5	311,871	958.0	5,799,586	4,671,550.3	\$7,627.43	\$7,844.98
191.7	7	311,878	1,341.9	5,800,928	4,670,208.4	\$10,683.90	\$10,988.59
191.8	10	311,888	1,918.0	5,802,846	4,668,290.4	\$15,270.57	\$15,706.00
191.9	5	311,893	959.5	5,803,806	4,667,330.9	\$7,639.21	\$7,857.01
192	10	311,903	1,920.0	5,805,726	4,665,410.9	\$15,286.28	\$15,722.05
192.1	6	311,909	1,152.6	5,806,878	4,664,258.3	\$9,176.48	\$9,438.04
192.2	6	311,915	1,153.2	5,808,032	4,663,105.1	\$9,181.19	\$9,442.86
192.3	2	311,917	384.6	5,808,416	4,662,720.5	\$3,061.97	\$3,149.22
192.4	4	311,921	769.6	5,809,186	4,661,950.9	\$6,127.07	\$6,301.65
192.5	6	311,927	1,155.0	5,810,341	4,660,795.9	\$9,195.32	\$9,457.29
192.6	5	311,932	963.0	5,811,304	4,659,832.9	\$7,666.70	\$7,885.09
192.7	4	311,936	770.8	5,812,075	4,659,062.1	\$6,136.50	\$6,311.28
192.8	6	311,942	1,156.8	5,813,231	4,657,905.3	\$9,209.46	\$9,471.73
192.9	6	311,948	1,157.4	5,814,389	4,656,747.9	\$9,214.17	\$9,476.55
193	3	311,951	579.0	5,814,968	4,656,168.9	\$4,609.44	\$4,740.68
193.1	3	311,954	579.3	5,815,547	4,655,589.6	\$4,611.80	\$4,743.09

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
193.2	7	311,961	1,352.4	5,816,900	4,654,237.2	\$10,766.35	\$11,072.82
193.3	4	311,965	773.2	5,817,673	4,653,464.0	\$6,155.34	\$6,330.53
193.4	4	311,969	773.6	5,818,446	4,652,690.4	\$6,158.48	\$6,333.74
193.5	7	311,976	1,354.5	5,819,801	4,651,335.9	\$10,782.84	\$11,089.66
193.6	6	311,982	1,161.6	5,820,962	4,650,174.3	\$9,247.15	\$9,510.24
193.7	3	311,985	581.1	5,821,544	4,649,593.2	\$4,625.93	\$4,757.53
193.8	7	311,992	1,356.6	5,822,900	4,648,236.6	\$10,799.33	\$11,106.51
193.9	6	311,998	1,163.4	5,824,064	4,647,073.2	\$9,261.28	\$9,524.68
194	10	312,008	1,940.0	5,826,004	4,645,133.2	\$15,443.33	\$15,882.49
194.1	11	312,019	2,135.1	5,828,139	4,642,998.1	\$16,996.30	\$17,479.56
194.2	2	312,021	388.4	5,828,527	4,642,609.7	\$3,091.81	\$3,179.71
194.3	5	312,026	971.5	5,829,499	4,641,638.2	\$7,733.44	\$7,953.28
194.4	7	312,033	1,360.8	5,830,859	4,640,277.4	\$10,832.31	\$11,140.20
194.5	7	312,040	1,361.5	5,832,221	4,638,915.9	\$10,837.81	\$11,145.82
194.6	3	312,043	583.8	5,832,805	4,638,332.1	\$4,647.13	\$4,779.19
194.7	5	312,048	973.5	5,833,778	4,637,358.6	\$7,749.15	\$7,969.32
194.8	3	312,051	584.4	5,834,363	4,636,774.2	\$4,651.84	\$4,784.00
194.9	3	312,054	584.7	5,834,947	4,636,189.5	\$4,654.20	\$4,786.40
195	10	312,064	1,950.0	5,836,897	4,634,239.5	\$15,521.85	\$15,962.71
195.1	3	312,067	585.3	5,837,483	4,633,654.2	\$4,658.91	\$4,791.22
195.2	5	312,072	976.0	5,838,459	4,632,678.2	\$7,768.78	\$7,989.37
195.3	8	312,080	1,562.4	5,840,021	4,631,115.8	\$12,436.33	\$12,789.42
195.4	4	312,084	781.6	5,840,803	4,630,334.2	\$6,221.30	\$6,397.92
195.5	5	312,089	977.5	5,841,780	4,629,356.7	\$7,780.56	\$8,001.41
195.6	2	312,091	391.2	5,842,171	4,628,965.5	\$3,113.79	\$3,202.17
195.7	5	312,096	978.5	5,843,150	4,627,987.0	\$7,788.41	\$8,009.43
195.8	6	312,102	1,174.8	5,844,325	4,626,812.2	\$9,350.80	\$9,616.13
195.9	9	312,111	1,763.1	5,846,088	4,625,049.1	\$14,033.27	\$14,431.41
196	6	312,117	1,176.0	5,847,264	4,623,873.1	\$9,360.23	\$9,625.75
196.1	4	312,121	784.4	5,848,048	4,623,088.7	\$6,243.29	\$6,420.38
196.2	5	312,126	981.0	5,849,029	4,622,107.7	\$7,808.04	\$8,029.48
196.3	6	312,132	1,177.8	5,850,207	4,620,929.9	\$9,374.36	\$9,640.19
196.4	7	312,139	1,374.8	5,851,582	4,619,555.1	\$10,942.25	\$11,252.51
196.5	5	312,144	982.5	5,852,564	4,618,572.6	\$7,819.82	\$8,041.52
196.6	6	312,150	1,179.6	5,853,744	4,617,393.0	\$9,388.49	\$9,654.63
196.7	4	312,154	786.8	5,854,531	4,616,606.2	\$6,262.14	\$6,439.63
196.8	5	312,159	984.0	5,855,515	4,615,622.2	\$7,831.60	\$8,053.55
196.9	2	312,161	393.8	5,855,908	4,615,228.4	\$3,134.21	\$3,223.02
197	11	312,172	2,167.0	5,858,075	4,613,061.4	\$17,246.79	\$17,735.46
197.1	4	312,176	788.4	5,858,864	4,612,273.0	\$6,274.70	\$6,452.47
197.2	5	312,181	986.0	5,859,850	4,611,287.0	\$7,847.30	\$8,069.59
197.3	6	312,187	1,183.8	5,861,034	4,610,103.2	\$9,421.47	\$9,688.33
197.4	8	312,195	1,579.2	5,862,613	4,608,524.0	\$12,568.25	\$12,924.18
197.5	3	312,198	592.5	5,863,205	4,607,931.5	\$4,715.45	\$4,848.98
197.6	2	312,200	395.2	5,863,600	4,607,536.3	\$3,145.20	\$3,234.25
197.7	5	312,205	988.5	5,864,589	4,606,547.8	\$7,866.93	\$8,089.65

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
197.8	4	312,209	791.2	5,865,380	4,605,756.6	\$6,296.69	\$6,474.93
197.9	4	312,213	791.6	5,866,172	4,604,965.0	\$6,299.83	\$6,478.14
198	10	312,223	1,980.0	5,868,152	4,602,985.0	\$15,757.43	\$16,203.36
198.1	6	312,229	1,188.6	5,869,340	4,601,796.4	\$9,459.17	\$9,726.83
198.2	2	312,231	396.4	5,869,737	4,601,400.0	\$3,154.63	\$3,243.88
198.3	7	312,238	1,388.1	5,871,125	4,600,011.9	\$11,046.69	\$11,359.20
198.4	4	312,242	793.6	5,871,918	4,599,218.3	\$6,315.53	\$6,494.18
198.5	5	312,247	992.5	5,872,911	4,598,225.8	\$7,898.34	\$8,121.74
198.6	10	312,257	1,986.0	5,874,897	4,596,239.8	\$15,804.54	\$16,251.49
198.7	3	312,260	596.1	5,875,493	4,595,643.7	\$4,743.72	\$4,877.85
198.8	9	312,269	1,789.2	5,877,282	4,593,854.5	\$14,238.22	\$14,640.78
198.9	3	312,272	596.7	5,877,879	4,593,257.8	\$4,748.43	\$4,882.67
199	8	312,280	1,592.0	5,879,471	4,591,665.8	\$12,668.76	\$13,026.86
199.1	6	312,286	1,194.6	5,880,666	4,590,471.2	\$9,506.28	\$9,774.96
199.2	4	312,290	796.8	5,881,462	4,589,674.4	\$6,340.66	\$6,519.85
199.3	4	312,294	797.2	5,882,260	4,588,877.2	\$6,343.80	\$6,523.06
199.4	3	312,297	598.2	5,882,858	4,588,279.0	\$4,760.21	\$4,894.70
199.5	5	312,302	997.5	5,883,855	4,587,281.5	\$7,937.61	\$8,161.85
199.6	3	312,305	598.8	5,884,454	4,586,682.7	\$4,764.92	\$4,899.51
199.7	4	312,309	798.8	5,885,253	4,585,883.9	\$6,356.37	\$6,535.89
199.8	4	312,313	799.2	5,886,052	4,585,084.7	\$6,359.51	\$6,539.10
199.9	4	312,317	799.6	5,886,852	4,584,285.1	\$6,362.65	\$6,542.31
200	13	312,330	2,600.0	5,889,452	4,581,685.1	\$20,688.82	\$21,272.94
200.1	6	312,336	1,200.6	5,890,652	4,580,484.5	\$9,553.40	\$9,823.09
200.2	3	312,339	600.6	5,891,253	4,579,883.9	\$4,779.05	\$4,913.95
200.3	6	312,345	1,201.8	5,892,455	4,578,682.1	\$9,562.82	\$9,832.72
200.4	6	312,351	1,202.4	5,893,657	4,577,479.7	\$9,567.53	\$9,837.53
200.5	9	312,360	1,804.5	5,895,462	4,575,675.2	\$14,358.36	\$14,763.52
200.6	1	312,361	200.6	5,895,662	4,575,474.6	\$1,596.16	\$1,641.19
200.7	7	312,368	1,404.9	5,897,067	4,574,069.7	\$11,178.61	\$11,493.97
200.8	2	312,370	401.6	5,897,469	4,573,668.1	\$3,195.46	\$3,285.60
200.9	4	312,374	803.6	5,898,272	4,572,864.5	\$6,394.06	\$6,574.40
201	6	312,380	1,206.0	5,899,478	4,571,658.5	\$9,595.80	\$9,866.41
201.1	12	312,392	2,413.2	5,901,891	4,569,245.3	\$19,201.02	\$19,742.45
201.2	3	312,395	603.6	5,902,495	4,568,641.7	\$4,802.61	\$4,938.02
201.3	4	312,399	805.2	5,903,300	4,567,836.5	\$6,406.62	\$6,587.23
201.4	3	312,402	604.2	5,903,904	4,567,232.3	\$4,807.32	\$4,942.83
201.5	5	312,407	1,007.5	5,904,912	4,566,224.8	\$8,016.13	\$8,242.06
201.6	9	312,416	1,814.4	5,906,726	4,564,410.4	\$14,436.10	\$14,842.94
201.7	9	312,425	1,815.3	5,908,542	4,562,595.1	\$14,443.17	\$14,850.16
201.8	3	312,428	605.4	5,909,147	4,561,989.7	\$4,816.75	\$4,952.46
201.9	5	312,433	1,009.5	5,910,157	4,560,980.2	\$8,031.84	\$8,258.11
202	7	312,440	1,414.0	5,911,571	4,559,566.2	\$11,250.07	\$11,566.97
202.1	6	312,446	1,212.6	5,912,783	4,558,353.6	\$9,647.63	\$9,919.36
202.2	4	312,450	808.8	5,913,592	4,557,544.8	\$6,434.89	\$6,616.11
202.3	2	312,452	404.6	5,913,997	4,557,140.2	\$3,219.02	\$3,309.66



**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
202.4	4	312,456	809.6	5,914,806	4,556,330.6	\$6,441.17	\$6,622.53
202.5	2	312,458	405.0	5,915,211	4,555,925.6	\$3,222.16	\$3,312.87
202.6	8	312,466	1,620.8	5,916,832	4,554,304.8	\$12,894.91	\$13,257.90
202.7	5	312,471	1,013.5	5,917,845	4,553,291.3	\$8,063.25	\$8,290.20
202.8	6	312,477	1,216.8	5,919,062	4,552,074.5	\$9,680.61	\$9,953.05
202.9	6	312,483	1,217.4	5,920,280	4,550,857.1	\$9,685.32	\$9,957.86
203	11	312,494	2,233.0	5,922,513	4,548,624.1	\$17,765.06	\$18,264.90
203.1	6	312,500	1,218.6	5,923,731	4,547,405.5	\$9,694.74	\$9,967.49
203.2	3	312,503	609.6	5,924,341	4,546,795.9	\$4,849.73	\$4,986.15
203.3	4	312,507	813.2	5,925,154	4,545,982.7	\$6,469.44	\$6,651.41
203.4	3	312,510	610.2	5,925,764	4,545,372.5	\$4,854.44	\$4,990.96
203.5	1	312,511	203.5	5,925,968	4,545,169.0	\$1,618.93	\$1,664.46
203.6	5	312,516	1,018.0	5,926,986	4,544,151.0	\$8,098.58	\$8,326.29
203.7	4	312,520	814.8	5,927,801	4,543,336.2	\$6,482.01	\$6,664.24
203.8	4	312,524	815.2	5,928,616	4,542,521.0	\$6,485.15	\$6,667.45
203.9	2	312,526	407.8	5,929,024	4,542,113.2	\$3,244.14	\$3,335.33
204	7	312,533	1,428.0	5,930,452	4,540,685.2	\$11,360.00	\$11,679.27
204.1	5	312,538	1,020.5	5,931,472	4,539,664.7	\$8,118.21	\$8,346.35
204.2	2	312,540	408.4	5,931,880	4,539,256.3	\$3,248.86	\$3,340.14
204.3	4	312,544	817.2	5,932,698	4,538,439.1	\$6,500.85	\$6,683.50
204.4	6	312,550	1,226.4	5,933,924	4,537,212.7	\$9,755.99	\$10,030.06
204.5	5	312,555	1,022.5	5,934,947	4,536,190.2	\$8,133.92	\$8,362.39
204.6	5	312,560	1,023.0	5,935,970	4,535,167.2	\$8,137.85	\$8,366.40
204.7	5	312,565	1,023.5	5,936,993	4,534,143.7	\$8,141.77	\$8,370.41
204.8	4	312,569	819.2	5,937,812	4,533,324.5	\$6,516.56	\$6,699.54
204.9	3	312,572	614.7	5,938,427	4,532,709.8	\$4,889.77	\$5,027.06
205	3	312,575	615.0	5,939,042	4,532,094.8	\$4,892.13	\$5,029.47
205.1	3	312,578	615.3	5,939,657	4,531,479.5	\$4,894.49	\$5,031.88
205.2	5	312,583	1,026.0	5,940,683	4,530,453.5	\$8,161.40	\$8,390.47
205.3	6	312,589	1,231.8	5,941,915	4,529,221.7	\$9,798.39	\$10,073.38
205.4	4	312,593	821.6	5,942,737	4,528,400.1	\$6,535.40	\$6,718.79
205.5	4	312,597	822.0	5,943,559	4,527,578.1	\$6,538.55	\$6,722.00
205.6	6	312,603	1,233.6	5,944,792	4,526,344.5	\$9,812.53	\$10,087.82
205.7	6	312,609	1,234.2	5,946,026	4,525,110.3	\$9,817.24	\$10,092.63
205.8	5	312,614	1,029.0	5,947,055	4,524,081.3	\$8,184.96	\$8,414.54
205.9	4	312,618	823.6	5,947,879	4,523,257.7	\$6,551.11	\$6,734.84
206	5	312,623	1,030.0	5,948,909	4,522,227.7	\$8,192.81	\$8,422.56
206.1	5	312,628	1,030.5	5,949,940	4,521,197.2	\$8,196.74	\$8,426.57
206.2	4	312,632	824.8	5,950,764	4,520,372.4	\$6,560.53	\$6,744.46
206.3	12	312,644	2,475.6	5,953,240	4,517,896.8	\$19,691.02	\$20,243.02
206.4	10	312,654	2,064.0	5,955,304	4,515,832.8	\$16,417.04	\$16,877.20
206.5	3	312,657	619.5	5,955,923	4,515,213.3	\$4,927.47	\$5,065.57
206.6	5	312,662	1,033.0	5,956,956	4,514,180.3	\$8,216.37	\$8,446.62
206.7	3	312,665	620.1	5,957,577	4,513,560.2	\$4,932.18	\$5,070.38
206.8	4	312,669	827.2	5,958,404	4,512,733.0	\$6,579.38	\$6,763.72
206.9	7	312,676	1,448.3	5,959,852	4,511,284.7	\$11,519.41	\$11,842.12

## RATE SCHEDULE N (Commerical/Industrial)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
207	7	312,683	1,449.0	5,961,301	4,509,835.7	\$11,524.91	\$11,847.73
207.1	5	312,688	1,035.5	5,962,337	4,508,800.2	\$8,236.00	\$8,466.68
207.2	7	312,695	1,450.4	5,963,787	4,507,349.8	\$11,535.90	\$11,858.96
207.3	5	312,700	1,036.5	5,964,823	4,506,313.3	\$8,243.85	\$8,474.70
207.4	7	312,707	1,451.8	5,966,275	4,504,861.5	\$11,546.89	\$11,870.19
207.5	4	312,711	830.0	5,967,105	4,504,031.5	\$6,601.37	\$6,786.18
207.6	7	312,718	1,453.2	5,968,558	4,502,578.3	\$11,557.89	\$11,881.43
207.7	2	312,720	415.4	5,968,974	4,502,162.9	\$3,303.82	\$3,396.30
207.8	4	312,724	831.2	5,969,805	4,501,331.7	\$6,610.79	\$6,795.80
207.9	4	312,728	831.6	5,970,637	4,500,500.1	\$6,613.93	\$6,799.01
208	5	312,733	1,040.0	5,971,677	4,499,460.1	\$8,271.34	\$8,502.78
208.1	9	312,742	1,872.9	5,973,550	4,497,587.2	\$14,895.47	\$15,312.22
208.2	4	312,746	832.8	5,974,382	4,496,754.4	\$6,623.35	\$6,808.64
208.3	3	312,749	624.9	5,975,007	4,496,129.5	\$4,969.87	\$5,108.89
208.4	1	312,750	208.4	5,975,216	4,495,921.1	\$1,657.41	\$1,703.76
208.5	2	312,752	417.0	5,975,633	4,495,504.1	\$3,316.39	\$3,409.13
208.6	4	312,756	834.4	5,976,467	4,494,669.7	\$6,635.92	\$6,821.47
208.7	5	312,761	1,043.5	5,977,511	4,493,626.2	\$8,298.82	\$8,530.85
208.8	3	312,764	626.4	5,978,137	4,492,999.8	\$4,981.65	\$5,120.92
208.9	8	312,772	1,671.2	5,979,808	4,491,328.6	\$13,290.68	\$13,662.20
209	4	312,776	836.0	5,980,644	4,490,492.6	\$6,648.48	\$6,834.31
209.1	9	312,785	1,881.9	5,982,526	4,488,610.7	\$14,966.15	\$15,384.41
209.2	5	312,790	1,046.0	5,983,572	4,487,564.7	\$8,318.45	\$8,550.91
209.3	8	312,798	1,674.4	5,985,246	4,485,890.3	\$13,315.81	\$13,687.87
209.4	5	312,803	1,047.0	5,986,293	4,484,843.3	\$8,326.31	\$8,558.93
209.5	4	312,807	838.0	5,987,131	4,484,005.3	\$6,664.19	\$6,850.35
209.6	5	312,812	1,048.0	5,988,179	4,482,957.3	\$8,334.16	\$8,566.95
209.8	3	312,815	629.4	5,988,809	4,482,327.9	\$5,005.21	\$5,144.98
209.9	6	312,821	1,259.4	5,990,068	4,481,068.5	\$10,015.12	\$10,294.78
210	7	312,828	1,470.0	5,991,538	4,479,598.5	\$11,689.81	\$12,016.19
210.1	9	312,837	1,890.9	5,993,429	4,477,707.6	\$15,036.82	\$15,456.61
210.2	6	312,843	1,261.2	5,994,690	4,476,446.4	\$10,029.26	\$10,309.22
210.3	2	312,845	420.6	5,995,111	4,476,025.8	\$3,344.66	\$3,438.01
210.4	8	312,853	1,683.2	5,996,794	4,474,342.6	\$13,384.91	\$13,758.46
210.5	3	312,856	631.5	5,997,426	4,473,711.1	\$5,021.70	\$5,161.83
210.6	4	312,860	842.4	5,998,268	4,472,868.7	\$6,698.74	\$6,885.65
210.7	5	312,865	1,053.5	5,999,322	4,471,815.2	\$8,377.35	\$8,611.07
210.8	1	312,866	210.8	5,999,532	4,471,604.4	\$1,676.25	\$1,723.02
210.9	2	312,868	421.8	5,999,954	4,471,182.6	\$3,354.08	\$3,447.64
211	8	312,876	1,688.0	6,001,642	4,469,494.6	\$13,422.60	\$13,796.97
211.1	6	312,882	1,266.6	6,002,909	4,468,228.0	\$10,071.66	\$10,352.54
211.2	1	312,883	211.2	6,003,120	4,468,016.8	\$1,679.40	\$1,726.23
211.3	7	312,890	1,479.1	6,004,599	4,466,537.7	\$11,761.27	\$12,089.19
211.4	5	312,895	1,057.0	6,005,656	4,465,480.7	\$8,404.83	\$8,639.15
211.5	5	312,900	1,057.5	6,006,714	4,464,423.2	\$8,408.76	\$8,643.16
211.6	2	312,902	423.2	6,007,137	4,464,000.0	\$3,365.07	\$3,458.87

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
211.7	1	312,903	211.7	6,007,348	4,463,788.3	\$1,683.32	\$1,730.24
211.8	3	312,906	635.4	6,007,984	4,463,152.9	\$5,052.32	\$5,193.12
211.9	4	312,910	847.6	6,008,831	4,462,305.3	\$6,739.57	\$6,927.36
212	7	312,917	1,484.0	6,010,315	4,460,821.3	\$11,799.74	\$12,128.50
212.1	3	312,920	636.3	6,010,952	4,460,185.0	\$5,059.39	\$5,200.33
212.2	2	312,922	424.4	6,011,376	4,459,760.6	\$3,374.50	\$3,468.49
212.3	4	312,926	849.2	6,012,225	4,458,911.4	\$6,752.13	\$6,940.20
212.4	8	312,934	1,699.2	6,013,925	4,457,212.2	\$13,510.55	\$13,886.81
212.5	2	312,936	425.0	6,014,350	4,456,787.2	\$3,379.21	\$3,473.31
212.6	3	312,939	637.8	6,014,987	4,456,149.4	\$5,071.17	\$5,212.37
212.7	2	312,941	425.4	6,015,413	4,455,724.0	\$3,382.35	\$3,476.52
212.8	1	312,942	212.8	6,015,626	4,455,511.2	\$1,691.96	\$1,739.06
212.9	10	312,952	2,129.0	6,017,755	4,453,382.2	\$16,927.45	\$17,398.63
213	12	312,964	2,556.0	6,020,311	4,450,826.2	\$20,322.36	\$20,887.98
213.1	4	312,968	852.4	6,021,163	4,449,973.8	\$6,777.26	\$6,965.87
213.2	2	312,970	426.4	6,021,589	4,449,547.4	\$3,390.20	\$3,484.54
213.3	4	312,974	853.2	6,022,443	4,448,694.2	\$6,783.54	\$6,972.29
213.4	4	312,978	853.6	6,023,296	4,447,840.6	\$6,786.68	\$6,975.49
213.5	4	312,982	854.0	6,024,150	4,446,986.6	\$6,789.83	\$6,978.70
213.6	6	312,988	1,281.6	6,025,432	4,445,705.0	\$10,189.45	\$10,472.87
213.7	6	312,994	1,282.2	6,026,714	4,444,422.8	\$10,194.16	\$10,477.68
213.8	3	312,997	641.4	6,027,355	4,443,781.4	\$5,099.44	\$5,241.25
213.9	4	313,001	855.6	6,028,211	4,442,925.8	\$6,802.39	\$6,991.54
214	10	313,011	2,140.0	6,030,351	4,440,785.8	\$17,013.83	\$17,486.87
214.1	3	313,014	642.3	6,030,993	4,440,143.5	\$5,106.50	\$5,248.47
214.2	9	313,023	1,927.8	6,032,921	4,438,215.7	\$15,326.58	\$15,752.62
214.3	2	313,025	428.6	6,033,350	4,437,787.1	\$3,407.48	\$3,502.19
214.4	5	313,030	1,072.0	6,034,422	4,436,715.1	\$8,522.62	\$8,759.48
214.5	9	313,039	1,930.5	6,036,352	4,434,784.6	\$15,347.78	\$15,774.28
214.6	3	313,042	643.8	6,036,996	4,434,140.8	\$5,118.28	\$5,260.50
214.7	3	313,045	644.1	6,037,640	4,433,496.7	\$5,120.64	\$5,262.91
214.8	7	313,052	1,503.6	6,039,144	4,431,993.1	\$11,953.65	\$12,285.73
214.9	5	313,057	1,074.5	6,040,218	4,430,918.6	\$8,542.25	\$8,779.53
215	7	313,064	1,505.0	6,041,723	4,429,413.6	\$11,964.65	\$12,296.96
215.1	3	313,067	645.3	6,042,368	4,428,768.3	\$5,130.06	\$5,272.53
215.2	2	313,069	430.4	6,042,799	4,428,337.9	\$3,421.61	\$3,516.63
215.3	4	313,073	861.2	6,043,660	4,427,476.7	\$6,846.36	\$7,036.46
215.4	3	313,076	646.2	6,044,306	4,426,830.5	\$5,137.13	\$5,279.75
215.5	4	313,080	862.0	6,045,168	4,425,968.5	\$6,852.65	\$7,042.88
215.6	2	313,082	431.2	6,045,599	4,425,537.3	\$3,427.89	\$3,523.04
215.7	3	313,085	647.1	6,046,247	4,424,890.2	\$5,144.20	\$5,286.97
215.8	5	313,090	1,079.0	6,047,326	4,423,811.2	\$8,577.59	\$8,815.63
215.9	3	313,093	647.7	6,047,973	4,423,163.5	\$5,148.91	\$5,291.78
216	6	313,099	1,296.0	6,049,269	4,421,867.5	\$10,302.53	\$10,588.38
216.1	10	313,109	2,161.0	6,051,430	4,419,706.5	\$17,178.73	\$17,655.33
216.2	4	313,113	864.8	6,052,295	4,418,841.7	\$6,874.63	\$7,065.34

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
216.3	2	313,115	432.6	6,052,728	4,418,409.1	\$3,438.89	\$3,534.27
216.4	5	313,120	1,082.0	6,053,810	4,417,327.1	\$8,601.14	\$8,839.70
216.5	4	313,124	866.0	6,054,676	4,416,461.1	\$6,884.06	\$7,074.97
216.6	3	313,127	649.8	6,055,325	4,415,811.3	\$5,165.40	\$5,308.63
216.7	5	313,132	1,083.5	6,056,409	4,414,727.8	\$8,612.92	\$8,851.73
216.8	5	313,137	1,084.0	6,057,493	4,413,643.8	\$8,616.85	\$8,855.74
216.9	1	313,138	216.9	6,057,710	4,413,426.9	\$1,724.15	\$1,771.95
217	9	313,147	1,953.0	6,059,663	4,411,473.9	\$15,524.46	\$15,954.77
217.1	7	313,154	1,519.7	6,061,183	4,409,954.2	\$12,080.08	\$12,414.88
217.2	2	313,156	434.4	6,061,617	4,409,519.8	\$3,453.02	\$3,548.71
217.3	3	313,159	651.9	6,062,269	4,408,867.9	\$5,181.89	\$5,325.48
217.4	5	313,164	1,087.0	6,063,356	4,407,780.9	\$8,640.41	\$8,879.81
217.5	5	313,169	1,087.5	6,064,443	4,406,693.4	\$8,644.33	\$8,883.82
217.6	5	313,174	1,088.0	6,065,531	4,405,605.4	\$8,648.26	\$8,887.83
217.7	2	313,176	435.4	6,065,967	4,405,170.0	\$3,460.87	\$3,556.74
217.8	6	313,182	1,306.8	6,067,274	4,403,863.2	\$10,387.33	\$10,675.02
217.9	4	313,186	871.6	6,068,145	4,402,991.6	\$6,928.03	\$7,119.89
218	5	313,191	1,090.0	6,069,235	4,401,901.6	\$8,663.96	\$8,903.87
218.1	4	313,195	872.4	6,070,108	4,401,029.2	\$6,934.31	\$7,126.31
218.2	8	313,203	1,745.6	6,071,853	4,399,283.6	\$13,874.90	\$14,259.03
218.3	3	313,206	654.9	6,072,508	4,398,628.7	\$5,205.44	\$5,349.54
218.4	4	313,210	873.6	6,073,382	4,397,755.1	\$6,943.73	\$7,135.93
218.5	5	313,215	1,092.5	6,074,474	4,396,662.6	\$8,683.59	\$8,923.93
218.6	4	313,219	874.4	6,075,349	4,395,788.2	\$6,950.02	\$7,142.35
218.7	3	313,222	656.1	6,076,005	4,395,132.1	\$5,214.87	\$5,359.17
218.8	7	313,229	1,531.6	6,077,536	4,393,600.5	\$12,173.52	\$12,510.34
218.9	6	313,235	1,313.4	6,078,850	4,392,287.1	\$10,439.16	\$10,727.96
219	4	313,239	876.0	6,079,726	4,391,411.1	\$6,962.58	\$7,155.18
219.1	4	313,243	876.4	6,080,602	4,390,534.7	\$6,965.72	\$7,158.39
219.2	3	313,246	657.6	6,081,260	4,389,877.1	\$5,226.65	\$5,371.20
219.3	5	313,251	1,096.5	6,082,356	4,388,780.6	\$8,715.00	\$8,956.01
219.4	6	313,257	1,316.4	6,083,673	4,387,464.2	\$10,462.72	\$10,752.03
219.5	5	313,262	1,097.5	6,084,770	4,386,366.7	\$8,722.86	\$8,964.04
219.6	3	313,265	658.8	6,085,429	4,385,707.9	\$5,236.07	\$5,380.83
219.7	3	313,268	659.1	6,086,088	4,385,048.8	\$5,238.43	\$5,383.23
219.8	4	313,272	879.2	6,086,967	4,384,169.6	\$6,987.71	\$7,180.85
219.9	2	313,274	439.8	6,087,407	4,383,729.8	\$3,495.42	\$3,592.03
220	13	313,287	2,860.0	6,090,267	4,380,869.8	\$22,730.47	\$23,358.63
220.1	7	313,294	1,540.7	6,091,808	4,379,329.1	\$12,244.98	\$12,583.34
220.2	6	313,300	1,321.2	6,093,129	4,378,007.9	\$10,500.41	\$10,790.53
220.3	3	313,303	660.9	6,093,790	4,377,347.0	\$5,252.56	\$5,397.67
220.4	4	313,307	881.6	6,094,671	4,376,465.4	\$7,006.55	\$7,200.11
220.5	4	313,311	882.0	6,095,553	4,375,583.4	\$7,009.70	\$7,203.32
220.6	7	313,318	1,544.2	6,097,098	4,374,039.2	\$12,272.46	\$12,611.42
220.7	1	313,319	220.7	6,097,318	4,373,818.5	\$1,753.99	\$1,802.43
220.8	3	313,322	662.4	6,097,981	4,373,156.1	\$5,264.34	\$5,409.71

## RATE SCHEDULE N (Commerical/Industrial)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
220.9	5	313,327	1,104.5	6,099,085	4,372,051.6	\$8,777.82	\$9,020.19
221	6	313,333	1,326.0	6,100,411	4,370,725.6	\$10,538.10	\$10,829.04
221.1	9	313,342	1,989.9	6,102,401	4,368,735.7	\$15,814.22	\$16,250.78
221.2	4	313,346	884.8	6,103,286	4,367,850.9	\$7,031.68	\$7,225.78
221.3	1	313,347	221.3	6,103,507	4,367,629.6	\$1,758.71	\$1,807.25
221.4	1	313,348	221.4	6,103,729	4,367,408.2	\$1,759.49	\$1,808.05
221.5	2	313,350	443.0	6,104,172	4,366,965.2	\$3,520.55	\$3,617.70
221.6	6	313,356	1,329.6	6,105,501	4,365,635.6	\$10,566.37	\$10,857.92
221.7	2	313,358	443.4	6,105,945	4,365,192.2	\$3,523.69	\$3,620.91
221.8	6	313,364	1,330.8	6,107,275	4,363,861.4	\$10,575.79	\$10,867.54
221.9	4	313,368	887.6	6,108,163	4,362,973.8	\$7,053.67	\$7,248.24
222	14	313,382	3,108.0	6,111,271	4,359,865.8	\$24,698.84	\$25,380.07
222.1	6	313,388	1,332.6	6,112,604	4,358,533.2	\$10,589.93	\$10,881.98
222.2	2	313,390	444.4	6,113,048	4,358,088.8	\$3,531.55	\$3,628.93
222.3	5	313,395	1,111.5	6,114,159	4,356,977.3	\$8,832.79	\$9,076.34
222.4	6	313,401	1,334.4	6,115,494	4,355,642.9	\$10,604.06	\$10,896.42
222.5	4	313,405	890.0	6,116,384	4,354,752.9	\$7,072.52	\$7,267.49
222.6	5	313,410	1,113.0	6,117,497	4,353,639.9	\$8,844.57	\$9,088.37
222.7	10	313,420	2,227.0	6,119,724	4,351,412.9	\$17,696.99	\$18,184.77
222.8	4	313,424	891.2	6,120,615	4,350,521.7	\$7,081.94	\$7,277.12
222.9	4	313,428	891.6	6,121,507	4,349,630.1	\$7,085.08	\$7,280.33
223	5	313,433	1,115.0	6,122,622	4,348,515.1	\$8,860.28	\$9,104.42
223.1	7	313,440	1,561.7	6,124,183	4,346,953.4	\$12,409.88	\$12,751.80
223.2	1	313,441	223.2	6,124,407	4,346,730.2	\$1,773.63	\$1,822.49
223.3	4	313,445	893.2	6,125,300	4,345,837.0	\$7,097.64	\$7,293.16
223.4	8	313,453	1,787.2	6,127,087	4,344,049.8	\$14,201.57	\$14,592.74
223.5	3	313,456	670.5	6,127,757	4,343,379.3	\$5,327.94	\$5,474.68
223.6	5	313,461	1,118.0	6,128,875	4,342,261.3	\$8,883.83	\$9,128.48
223.7	2	313,463	447.4	6,129,323	4,341,813.9	\$3,555.10	\$3,653.00
223.8	2	313,465	447.6	6,129,770	4,341,366.3	\$3,556.67	\$3,654.60
223.9	3	313,468	671.7	6,130,442	4,340,694.6	\$5,337.37	\$5,484.31
224	9	313,477	2,016.0	6,132,458	4,338,678.6	\$16,019.17	\$16,460.15
224.1	3	313,480	672.3	6,133,130	4,338,006.3	\$5,342.08	\$5,489.12
224.2	1	313,481	224.2	6,133,355	4,337,782.1	\$1,781.48	\$1,830.51
224.3	4	313,485	897.2	6,134,252	4,336,884.9	\$7,129.05	\$7,325.25
224.4	2	313,487	448.8	6,134,701	4,336,436.1	\$3,566.10	\$3,664.23
224.5	3	313,490	673.5	6,135,374	4,335,762.6	\$5,351.50	\$5,498.75
224.6	4	313,494	898.4	6,136,273	4,334,864.2	\$7,138.48	\$7,334.87
224.7	6	313,500	1,348.2	6,137,621	4,333,516.0	\$10,712.43	\$11,007.13
224.8	3	313,503	674.4	6,138,295	4,332,841.6	\$5,358.57	\$5,505.97
224.9	9	313,512	2,024.1	6,140,319	4,330,817.5	\$16,082.77	\$16,525.13
225	10	313,522	2,250.0	6,142,569	4,328,567.5	\$17,877.60	\$18,369.28
225.1	3	313,525	675.3	6,143,245	4,327,892.2	\$5,365.64	\$5,513.19
225.2	3	313,528	675.6	6,143,920	4,327,216.6	\$5,367.99	\$5,515.60
225.3	4	313,532	901.2	6,144,821	4,326,315.4	\$7,160.46	\$7,357.34
225.4	2	313,534	450.8	6,145,272	4,325,864.6	\$3,581.80	\$3,680.27

## RATE SCHEDULE N (Commerical/Industrial)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
225.5	3	313,537	676.5	6,145,949	4,325,188.1	\$5,375.06	\$5,522.82
225.6	3	313,540	676.8	6,146,625	4,324,511.3	\$5,377.41	\$5,525.22
225.7	3	313,543	677.1	6,147,303	4,323,834.2	\$5,379.77	\$5,527.63
225.8	3	313,546	677.4	6,147,980	4,323,156.8	\$5,382.13	\$5,530.04
225.9	6	313,552	1,355.4	6,149,335	4,321,801.4	\$10,768.96	\$11,064.88
226	7	313,559	1,582.0	6,150,917	4,320,219.4	\$12,569.29	\$12,914.65
226.1	4	313,563	904.4	6,151,822	4,319,315.0	\$7,185.59	\$7,383.01
226.2	2	313,565	452.4	6,152,274	4,318,862.6	\$3,594.37	\$3,693.11
226.3	3	313,568	678.9	6,152,953	4,318,183.7	\$5,393.90	\$5,542.07
226.4	2	313,570	452.8	6,153,406	4,317,730.9	\$3,597.51	\$3,696.32
226.5	3	313,573	679.5	6,154,085	4,317,051.4	\$5,398.62	\$5,546.88
226.6	4	313,577	906.4	6,154,992	4,316,145.0	\$7,201.30	\$7,399.05
226.7	5	313,582	1,133.5	6,156,125	4,315,011.5	\$9,005.55	\$9,252.82
226.8	5	313,587	1,134.0	6,157,259	4,313,877.5	\$9,009.47	\$9,256.83
226.9	3	313,590	680.7	6,157,940	4,313,196.8	\$5,408.04	\$5,556.51
227	3	313,593	681.0	6,158,621	4,312,515.8	\$5,410.40	\$5,558.91
227.1	5	313,598	1,135.5	6,159,756	4,311,380.3	\$9,021.25	\$9,268.87
227.2	1	313,599	227.2	6,159,984	4,311,153.1	\$1,805.04	\$1,854.58
227.3	3	313,602	681.9	6,160,666	4,310,471.2	\$5,417.46	\$5,566.13
227.4	4	313,606	909.6	6,161,575	4,309,561.6	\$7,226.42	\$7,424.72
227.5	5	313,611	1,137.5	6,162,713	4,308,424.1	\$9,036.96	\$9,284.91
227.6	2	313,613	455.2	6,163,168	4,307,968.9	\$3,616.35	\$3,715.57
227.7	1	313,614	227.7	6,163,396	4,307,741.2	\$1,808.96	\$1,858.59
227.8	2	313,616	455.6	6,163,851	4,307,285.6	\$3,619.49	\$3,718.78
227.9	3	313,619	683.7	6,164,535	4,306,601.9	\$5,431.60	\$5,580.57
228	7	313,626	1,596.0	6,166,131	4,305,005.9	\$12,679.22	\$13,026.95
228.1	3	313,629	684.3	6,166,815	4,304,321.6	\$5,436.31	\$5,585.39
228.2	3	313,632	684.6	6,167,500	4,303,637.0	\$5,438.66	\$5,587.79
228.3	5	313,637	1,141.5	6,168,641	4,302,495.5	\$9,068.37	\$9,317.00
228.4	4	313,641	913.6	6,169,555	4,301,581.9	\$7,257.83	\$7,456.81
228.5	3	313,644	685.5	6,170,240	4,300,896.4	\$5,445.73	\$5,595.01
228.6	7	313,651	1,600.2	6,171,841	4,299,296.2	\$12,712.20	\$13,060.64
228.7	2	313,653	457.4	6,172,298	4,298,838.8	\$3,633.63	\$3,733.22
228.8	5	313,658	1,144.0	6,173,442	4,297,694.8	\$9,088.00	\$9,337.05
228.9	4	313,662	915.6	6,174,358	4,296,779.2	\$7,273.54	\$7,472.85
229	9	313,671	2,061.0	6,176,419	4,294,718.2	\$16,372.53	\$16,821.14
229.1	4	313,675	916.4	6,177,335	4,293,801.8	\$7,279.82	\$7,479.27
229.2	4	313,679	916.8	6,178,252	4,292,885.0	\$7,282.96	\$7,482.48
229.3	2	313,681	458.6	6,178,710	4,292,426.4	\$3,643.05	\$3,742.84
229.4	4	313,685	917.6	6,179,628	4,291,508.8	\$7,289.24	\$7,488.90
229.5	4	313,689	918.0	6,180,546	4,290,590.8	\$7,292.39	\$7,492.10
229.6	6	313,695	1,377.6	6,181,924	4,289,213.2	\$10,943.29	\$11,242.97
229.7	3	313,698	689.1	6,182,613	4,288,524.1	\$5,474.00	\$5,623.89
229.8	6	313,704	1,378.8	6,183,991	4,287,145.3	\$10,952.71	\$11,252.60
229.9	3	313,707	689.7	6,184,681	4,286,455.6	\$5,478.71	\$5,628.70
230	9	313,716	2,070.0	6,186,751	4,284,385.6	\$16,443.20	\$16,893.33

## RATE SCHEDULE N (Commerical/Industrial)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
230.1	6	313,722	1,380.6	6,188,132	4,283,005.0	\$10,966.85	\$11,267.04
230.2	5	313,727	1,151.0	6,189,283	4,281,854.0	\$9,142.97	\$9,393.21
230.3	3	313,730	690.9	6,189,974	4,281,163.1	\$5,488.13	\$5,638.33
230.4	4	313,734	921.6	6,190,895	4,280,241.5	\$7,320.65	\$7,520.98
230.5	3	313,737	691.5	6,191,587	4,279,550.0	\$5,492.85	\$5,643.14
230.6	3	313,740	691.8	6,192,279	4,278,858.2	\$5,495.20	\$5,645.55
230.7	5	313,745	1,153.5	6,193,432	4,277,704.7	\$9,162.60	\$9,413.26
230.8	9	313,754	2,077.2	6,195,509	4,275,627.5	\$16,499.74	\$16,951.09
230.9	2	313,756	461.8	6,195,971	4,275,165.7	\$3,668.18	\$3,768.51
231	2	313,758	462.0	6,196,433	4,274,703.7	\$3,669.75	\$3,770.12
231.1	7	313,765	1,617.7	6,198,051	4,273,086.0	\$12,849.62	\$13,201.03
231.2	1	313,766	231.2	6,198,282	4,272,854.8	\$1,836.45	\$1,886.66
231.3	5	313,771	1,156.5	6,199,438	4,271,698.3	\$9,186.15	\$9,437.33
231.4	3	313,774	694.2	6,200,133	4,271,004.1	\$5,514.05	\$5,664.80
231.5	1	313,775	231.5	6,200,364	4,270,772.6	\$1,838.80	\$1,889.07
231.6	7	313,782	1,621.2	6,201,985	4,269,151.4	\$12,877.11	\$13,229.10
231.7	3	313,785	695.1	6,202,680	4,268,456.3	\$5,521.12	\$5,672.02
231.8	3	313,788	695.4	6,203,376	4,267,760.9	\$5,523.47	\$5,674.43
231.9	4	313,792	927.6	6,204,303	4,266,833.3	\$7,367.77	\$7,569.11
232	4	313,796	928.0	6,205,231	4,265,905.3	\$7,370.91	\$7,572.32
232.1	5	313,801	1,160.5	6,206,392	4,264,744.8	\$9,217.56	\$9,469.41
232.2	7	313,808	1,625.4	6,208,017	4,263,119.4	\$12,910.09	\$13,262.80
232.3	2	313,810	464.6	6,208,482	4,262,654.8	\$3,690.17	\$3,790.97
232.4	4	313,814	929.6	6,209,412	4,261,725.2	\$7,383.47	\$7,585.16
232.5	7	313,821	1,627.5	6,211,039	4,260,097.7	\$12,926.58	\$13,279.64
232.6	1	313,822	232.6	6,211,272	4,259,865.1	\$1,847.44	\$1,897.89
232.7	2	313,824	465.4	6,211,737	4,259,399.7	\$3,696.45	\$3,797.39
232.8	5	313,829	1,164.0	6,212,901	4,258,235.7	\$9,245.05	\$9,497.49
232.9	5	313,834	1,164.5	6,214,066	4,257,071.2	\$9,248.97	\$9,501.50
233	3	313,837	699.0	6,214,765	4,256,372.2	\$5,551.74	\$5,703.31
233.1	7	313,844	1,631.7	6,216,396	4,254,740.5	\$12,959.56	\$13,313.33
233.2	1	313,845	233.2	6,216,629	4,254,507.3	\$1,852.15	\$1,902.71
233.3	3	313,848	699.9	6,217,329	4,253,807.4	\$5,558.81	\$5,710.53
233.4	2	313,850	466.8	6,217,796	4,253,340.6	\$3,707.44	\$3,808.62
233.5	3	313,853	700.5	6,218,497	4,252,640.1	\$5,563.52	\$5,715.34
233.6	4	313,857	934.4	6,219,431	4,251,705.7	\$7,421.17	\$7,623.66
233.7	3	313,860	701.1	6,220,132	4,251,004.6	\$5,568.23	\$5,720.15
233.8	7	313,867	1,636.6	6,221,769	4,249,368.0	\$12,998.03	\$13,352.64
233.9	3	313,870	701.7	6,222,470	4,248,666.3	\$5,572.94	\$5,724.97
234	7	313,877	1,638.0	6,224,108	4,247,028.3	\$13,009.03	\$13,363.87
234.1	2	313,879	468.2	6,224,577	4,246,560.1	\$3,718.44	\$3,819.85
234.2	2	313,881	468.4	6,225,045	4,246,091.7	\$3,720.01	\$3,821.46
234.3	5	313,886	1,171.5	6,226,217	4,244,920.2	\$9,303.94	\$9,557.66
234.4	2	313,888	468.8	6,226,685	4,244,451.4	\$3,723.15	\$3,824.67
234.5	2	313,890	469.0	6,227,154	4,243,982.4	\$3,724.72	\$3,826.27
234.6	6	313,896	1,407.6	6,228,562	4,242,574.8	\$11,178.86	\$11,483.63

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
234.7	6	313,902	1,408.2	6,229,970	4,241,166.6	\$11,183.58	\$11,488.44
234.8	3	313,905	704.4	6,230,675	4,240,462.2	\$5,594.14	\$5,746.63
234.9	1	313,906	234.9	6,230,909	4,240,227.3	\$1,865.50	\$1,916.34
235	5	313,911	1,175.0	6,232,084	4,239,052.3	\$9,331.43	\$9,585.73
235.1	4	313,915	940.4	6,233,025	4,238,111.9	\$7,468.28	\$7,671.79
235.2	5	313,920	1,176.0	6,234,201	4,236,935.9	\$9,339.28	\$9,593.75
235.3	6	313,926	1,411.8	6,235,613	4,235,524.1	\$11,211.84	\$11,517.32
235.4	2	313,928	470.8	6,236,083	4,235,053.3	\$3,738.85	\$3,840.71
235.5	2	313,930	471.0	6,236,554	4,234,582.3	\$3,740.42	\$3,842.31
235.6	1	313,931	235.6	6,236,790	4,234,346.7	\$1,871.00	\$1,921.96
235.7	4	313,935	942.8	6,237,733	4,233,403.9	\$7,487.13	\$7,691.05
235.9	4	313,939	943.6	6,238,676	4,232,460.3	\$7,493.41	\$7,697.46
236	2	313,941	472.0	6,239,148	4,231,988.3	\$3,748.28	\$3,850.34
236.1	2	313,943	472.2	6,239,621	4,231,516.1	\$3,749.85	\$3,851.94
236.2	5	313,948	1,181.0	6,240,802	4,230,335.1	\$9,378.54	\$9,633.86
236.3	1	313,949	236.3	6,241,038	4,230,098.8	\$1,876.49	\$1,927.57
236.4	2	313,951	472.8	6,241,511	4,229,626.0	\$3,754.56	\$3,856.75
236.5	6	313,957	1,419.0	6,242,930	4,228,207.0	\$11,268.38	\$11,575.08
236.6	1	313,958	236.6	6,243,166	4,227,970.4	\$1,878.85	\$1,929.98
236.7	3	313,961	710.1	6,243,876	4,227,260.3	\$5,638.90	\$5,792.35
236.8	2	313,963	473.6	6,244,350	4,226,786.7	\$3,760.84	\$3,863.17
236.9	4	313,967	947.6	6,245,298	4,225,839.1	\$7,524.82	\$7,729.55
237	4	313,971	948.0	6,246,246	4,224,891.1	\$7,527.96	\$7,732.76
237.1	3	313,974	711.3	6,246,957	4,224,179.8	\$5,648.33	\$5,801.98
237.2	3	313,977	711.6	6,247,669	4,223,468.2	\$5,650.68	\$5,804.38
237.3	7	313,984	1,661.1	6,249,330	4,221,807.1	\$13,190.42	\$13,549.18
237.4	7	313,991	1,661.8	6,250,991	4,220,145.3	\$13,195.92	\$13,554.79
237.5	6	313,997	1,425.0	6,252,416	4,218,720.3	\$11,315.50	\$11,623.21
237.6	2	313,999	475.2	6,252,892	4,218,245.1	\$3,773.40	\$3,876.01
237.7	4	314,003	950.8	6,253,842	4,217,294.3	\$7,549.95	\$7,755.22
237.8	6	314,009	1,426.8	6,255,269	4,215,867.5	\$11,329.63	\$11,637.65
237.9	3	314,012	713.7	6,255,983	4,215,153.8	\$5,667.17	\$5,821.23
238	8	314,020	1,904.0	6,257,887	4,213,249.8	\$15,118.74	\$15,529.70
238.1	5	314,025	1,190.5	6,259,077	4,212,059.3	\$9,453.14	\$9,710.07
238.2	2	314,027	476.4	6,259,554	4,211,582.9	\$3,782.83	\$3,885.63
238.3	2	314,029	476.6	6,260,030	4,211,106.3	\$3,784.40	\$3,887.24
238.4	2	314,031	476.8	6,260,507	4,210,629.5	\$3,785.97	\$3,888.84
238.5	4	314,035	954.0	6,261,461	4,209,675.5	\$7,575.08	\$7,780.89
238.6	1	314,036	238.6	6,261,700	4,209,436.9	\$1,894.55	\$1,946.03
238.7	8	314,044	1,909.6	6,263,609	4,207,527.3	\$15,162.71	\$15,574.62
238.8	1	314,045	238.8	6,263,848	4,207,288.5	\$1,896.12	\$1,947.63
238.9	2	314,047	477.8	6,264,326	4,206,810.7	\$3,793.82	\$3,896.86
239	7	314,054	1,673.0	6,265,999	4,205,137.7	\$13,283.87	\$13,644.64
239.1	5	314,059	1,195.5	6,267,195	4,203,942.2	\$9,492.40	\$9,750.18
239.2	5	314,064	1,196.0	6,268,391	4,202,746.2	\$9,496.33	\$9,754.19
239.3	9	314,073	2,153.7	6,270,544	4,200,592.5	\$17,100.46	\$17,564.77



**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
239.4	1	314,074	239.4	6,270,784	4,200,353.1	\$1,900.84	\$1,952.44
239.5	2	314,076	479.0	6,271,263	4,199,874.1	\$3,803.24	\$3,906.49
239.6	4	314,080	958.4	6,272,221	4,198,915.7	\$7,609.63	\$7,816.19
239.7	1	314,081	239.7	6,272,461	4,198,676.0	\$1,903.19	\$1,954.85
239.8	5	314,086	1,199.0	6,273,660	4,197,477.0	\$9,519.89	\$9,778.26
239.9	3	314,089	719.7	6,274,379	4,196,757.3	\$5,714.29	\$5,869.36
240	4	314,093	960.0	6,275,339	4,195,797.3	\$7,622.19	\$7,829.02
240.1	6	314,099	1,440.6	6,276,780	4,194,356.7	\$11,438.00	\$11,748.35
240.2	3	314,102	720.6	6,277,501	4,193,636.1	\$5,721.35	\$5,876.58
240.3	6	314,108	1,441.8	6,278,942	4,192,194.3	\$11,447.42	\$11,757.98
240.4	1	314,109	240.4	6,279,183	4,191,953.9	\$1,908.69	\$1,960.46
240.5	4	314,113	962.0	6,280,145	4,190,991.9	\$7,637.90	\$7,845.07
240.6	7	314,120	1,684.2	6,281,829	4,189,307.7	\$13,371.81	\$13,734.48
240.7	7	314,127	1,684.9	6,283,514	4,187,622.8	\$13,377.31	\$13,740.10
240.8	4	314,131	963.2	6,284,477	4,186,659.6	\$7,647.32	\$7,854.69
240.9	3	314,134	722.7	6,285,200	4,185,936.9	\$5,737.84	\$5,893.43
241	5	314,139	1,205.0	6,286,405	4,184,731.9	\$9,567.00	\$9,826.39
241.2	3	314,142	723.6	6,287,128	4,184,008.3	\$5,744.91	\$5,900.65
241.3	2	314,144	482.6	6,287,611	4,183,525.7	\$3,831.51	\$3,935.37
241.4	4	314,148	965.6	6,288,577	4,182,560.1	\$7,666.16	\$7,873.95
241.5	5	314,153	1,207.5	6,289,784	4,181,352.6	\$9,586.63	\$9,846.44
241.6	4	314,157	966.4	6,290,751	4,180,386.2	\$7,672.45	\$7,880.36
241.7	1	314,158	241.7	6,290,992	4,180,144.5	\$1,918.90	\$1,970.89
241.8	5	314,163	1,209.0	6,292,201	4,178,935.5	\$9,598.41	\$9,858.48
241.9	2	314,165	483.8	6,292,685	4,178,451.7	\$3,840.93	\$3,945.00
242	6	314,171	1,452.0	6,294,137	4,176,999.7	\$11,527.52	\$11,839.80
242.1	4	314,175	968.4	6,295,105	4,176,031.3	\$7,688.15	\$7,896.41
242.2	5	314,180	1,211.0	6,296,316	4,174,820.3	\$9,614.12	\$9,874.52
242.3	3	314,183	726.9	6,297,043	4,174,093.4	\$5,770.82	\$5,927.12
242.4	2	314,185	484.8	6,297,528	4,173,608.6	\$3,848.79	\$3,953.02
242.5	3	314,188	727.5	6,298,256	4,172,881.1	\$5,775.54	\$5,931.93
242.6	4	314,192	970.4	6,299,226	4,171,910.7	\$7,703.86	\$7,912.45
242.7	6	314,198	1,456.2	6,300,682	4,170,454.5	\$11,560.50	\$11,873.49
242.8	6	314,204	1,456.8	6,302,139	4,168,997.7	\$11,565.21	\$11,878.30
242.9	4	314,208	971.6	6,303,111	4,168,026.1	\$7,713.28	\$7,922.08
243	8	314,216	1,944.0	6,305,055	4,166,082.1	\$15,432.84	\$15,850.57
243.1	2	314,218	486.2	6,305,541	4,165,595.9	\$3,859.78	\$3,964.25
243.2	3	314,221	729.6	6,306,270	4,164,866.3	\$5,792.03	\$5,948.78
243.3	6	314,227	1,459.8	6,307,730	4,163,406.5	\$11,588.76	\$11,902.37
243.4	3	314,230	730.2	6,308,460	4,162,676.3	\$5,796.74	\$5,953.59
243.5	3	314,233	730.5	6,309,191	4,161,945.8	\$5,799.09	\$5,956.00
243.6	4	314,237	974.4	6,310,165	4,160,971.4	\$7,735.27	\$7,944.54
243.7	5	314,242	1,218.5	6,311,384	4,159,752.9	\$9,673.01	\$9,934.69
243.8	5	314,247	1,219.0	6,312,603	4,158,533.9	\$9,676.94	\$9,938.70
243.9	1	314,248	243.9	6,312,847	4,158,290.0	\$1,936.17	\$1,988.54
244	6	314,254	1,464.0	6,314,311	4,156,826.0	\$11,621.75	\$11,936.06

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
244.1	4	314,258	976.4	6,315,287	4,155,849.6	\$7,750.97	\$7,960.58
244.2	2	314,260	488.4	6,315,776	4,155,361.2	\$3,877.06	\$3,981.90
244.3	6	314,266	1,465.8	6,317,241	4,153,895.4	\$11,635.88	\$11,950.50
244.4	2	314,268	488.8	6,317,730	4,153,406.6	\$3,880.20	\$3,985.10
244.5	2	314,270	489.0	6,318,219	4,152,917.6	\$3,881.77	\$3,986.71
244.6	1	314,271	244.6	6,318,464	4,152,673.0	\$1,941.67	\$1,994.16
244.7	3	314,274	734.1	6,319,198	4,151,938.9	\$5,827.36	\$5,984.88
244.8	3	314,277	734.4	6,319,932	4,151,204.5	\$5,829.72	\$5,987.28
244.9	1	314,278	244.9	6,320,177	4,150,959.6	\$1,944.02	\$1,996.56
245	2	314,280	490.0	6,320,667	4,150,469.6	\$3,889.62	\$3,994.73
245.1	6	314,286	1,470.6	6,322,138	4,148,999.0	\$11,673.57	\$11,989.01
245.2	3	314,289	735.6	6,322,873	4,148,263.4	\$5,839.14	\$5,996.91
245.3	5	314,294	1,226.5	6,324,100	4,147,036.9	\$9,735.83	\$9,998.86
245.4	6	314,300	1,472.4	6,325,572	4,145,564.5	\$11,687.71	\$12,003.45
245.5	5	314,305	1,227.5	6,326,800	4,144,337.0	\$9,743.68	\$10,006.88
245.6	3	314,308	736.8	6,327,537	4,143,600.2	\$5,848.56	\$6,006.54
245.7	6	314,314	1,474.2	6,329,011	4,142,126.0	\$11,701.84	\$12,017.88
245.8	3	314,317	737.4	6,329,748	4,141,388.6	\$5,853.28	\$6,011.35
245.9	1	314,318	245.9	6,329,994	4,141,142.7	\$1,951.88	\$2,004.59
246	2	314,320	492.0	6,330,486	4,140,650.7	\$3,905.33	\$4,010.77
246.1	5	314,325	1,230.5	6,331,717	4,139,420.2	\$9,767.24	\$10,030.95
246.2	5	314,330	1,231.0	6,332,948	4,138,189.2	\$9,771.17	\$10,034.96
246.3	5	314,335	1,231.5	6,334,179	4,136,957.7	\$9,775.09	\$10,038.97
246.4	3	314,338	739.2	6,334,918	4,136,218.5	\$5,867.41	\$6,025.79
246.5	3	314,341	739.5	6,335,658	4,135,479.0	\$5,869.77	\$6,028.20
246.7	1	314,342	246.7	6,335,904	4,135,232.3	\$1,958.16	\$2,011.00
246.8	1	314,343	246.8	6,336,151	4,134,985.5	\$1,958.94	\$2,011.80
246.9	2	314,345	493.8	6,336,645	4,134,491.7	\$3,919.46	\$4,025.21
247	2	314,347	494.0	6,337,139	4,133,997.7	\$3,921.03	\$4,026.82
247.1	6	314,353	1,482.6	6,338,622	4,132,515.1	\$11,767.80	\$12,085.27
247.2	3	314,356	741.6	6,339,363	4,131,773.5	\$5,886.26	\$6,045.04
247.3	2	314,358	494.6	6,339,858	4,131,278.9	\$3,925.74	\$4,031.63
247.4	3	314,361	742.2	6,340,600	4,130,536.7	\$5,890.97	\$6,049.85
247.5	3	314,364	742.5	6,341,343	4,129,794.2	\$5,893.32	\$6,052.26
247.7	3	314,367	743.1	6,342,086	4,129,051.1	\$5,898.04	\$6,057.07
247.9	4	314,371	991.6	6,343,077	4,128,059.5	\$7,870.33	\$8,082.52
248	3	314,374	744.0	6,343,821	4,127,315.5	\$5,905.10	\$6,064.29
248.1	3	314,377	744.3	6,344,566	4,126,571.2	\$5,907.46	\$6,066.70
248.2	2	314,379	496.4	6,345,062	4,126,074.8	\$3,939.88	\$4,046.07
248.3	3	314,382	744.9	6,345,807	4,125,329.9	\$5,912.17	\$6,071.51
248.4	1	314,383	248.4	6,346,055	4,125,081.5	\$1,971.51	\$2,024.64
248.5	4	314,387	994.0	6,347,049	4,124,087.5	\$7,889.18	\$8,101.77
248.6	3	314,390	745.8	6,347,795	4,123,341.7	\$5,919.24	\$6,078.73
248.7	2	314,392	497.4	6,348,292	4,122,844.3	\$3,947.73	\$4,054.09
248.8	1	314,393	248.8	6,348,541	4,122,595.5	\$1,974.65	\$2,027.85
248.9	3	314,396	746.7	6,349,288	4,121,848.8	\$5,926.30	\$6,085.95

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
249	5	314,401	1,245.0	6,350,533	4,120,603.8	\$9,881.10	\$10,147.27
249.1	4	314,405	996.4	6,351,529	4,119,607.4	\$7,908.02	\$8,121.02
249.2	3	314,408	747.6	6,352,277	4,118,859.8	\$5,933.37	\$6,093.17
249.3	2	314,410	498.6	6,352,776	4,118,361.2	\$3,957.15	\$4,063.72
249.4	5	314,415	1,247.0	6,354,023	4,117,114.2	\$9,896.81	\$10,163.31
249.5	3	314,418	748.5	6,354,771	4,116,365.7	\$5,940.44	\$6,100.39
249.6	2	314,420	499.2	6,355,270	4,115,866.5	\$3,961.86	\$4,068.53
249.7	1	314,421	249.7	6,355,520	4,115,616.8	\$1,981.72	\$2,035.07
249.8	3	314,424	749.4	6,356,269	4,114,867.4	\$5,947.51	\$6,107.61
249.9	2	314,426	499.8	6,356,769	4,114,367.6	\$3,966.57	\$4,073.35
250	9	314,435	2,250.0	6,359,019	4,112,117.6	\$17,856.65	\$18,337.28
250.1	3	314,438	750.3	6,359,769	4,111,367.3	\$5,954.57	\$6,114.83
250.2	5	314,443	1,251.0	6,361,020	4,110,116.3	\$9,928.22	\$10,195.40
250.3	5	314,448	1,251.5	6,362,272	4,108,864.8	\$9,932.14	\$10,199.41
250.4	3	314,451	751.2	6,363,023	4,108,113.6	\$5,961.64	\$6,122.05
250.5	1	314,452	250.5	6,363,274	4,107,863.1	\$1,988.00	\$2,041.49
250.6	1	314,453	250.6	6,363,524	4,107,612.5	\$1,988.78	\$2,042.29
250.7	3	314,456	752.1	6,364,276	4,106,860.4	\$5,968.71	\$6,129.27
250.8	2	314,458	501.6	6,364,778	4,106,358.8	\$3,980.71	\$4,087.79
250.9	3	314,461	752.7	6,365,531	4,105,606.1	\$5,973.42	\$6,134.08
251	9	314,470	2,259.0	6,367,790	4,103,347.1	\$17,927.33	\$18,409.47
251.1	2	314,472	502.2	6,368,292	4,102,844.9	\$3,985.42	\$4,092.60
251.2	2	314,474	502.4	6,368,794	4,102,342.5	\$3,986.99	\$4,094.20
251.3	2	314,476	502.6	6,369,297	4,101,839.9	\$3,988.56	\$4,095.81
251.4	2	314,478	502.8	6,369,800	4,101,337.1	\$3,990.13	\$4,097.41
251.5	3	314,481	754.5	6,370,554	4,100,582.6	\$5,987.55	\$6,148.52
251.6	1	314,482	251.6	6,370,806	4,100,331.0	\$1,996.64	\$2,050.31
251.7	2	314,484	503.4	6,371,309	4,099,827.6	\$3,994.84	\$4,102.22
251.8	5	314,489	1,259.0	6,372,568	4,098,568.6	\$9,991.04	\$10,259.57
251.9	2	314,491	503.8	6,373,072	4,098,064.8	\$3,997.98	\$4,105.43
252	7	314,498	1,764.0	6,374,836	4,096,300.8	\$13,998.44	\$14,374.63
252.1	6	314,504	1,512.6	6,376,349	4,094,788.2	\$12,003.38	\$12,325.93
252.2	1	314,505	252.2	6,376,601	4,094,536.0	\$2,001.35	\$2,055.12
252.3	4	314,509	1,009.2	6,377,610	4,093,526.8	\$8,008.53	\$8,223.70
252.4	5	314,514	1,262.0	6,378,872	4,092,264.8	\$10,014.59	\$10,283.64
252.5	1	314,515	252.5	6,379,124	4,092,012.3	\$2,003.70	\$2,057.53
252.6	4	314,519	1,010.4	6,380,135	4,091,001.9	\$8,017.96	\$8,233.33
252.7	3	314,522	758.1	6,380,893	4,090,243.8	\$6,015.82	\$6,177.40
252.8	7	314,529	1,769.6	6,382,663	4,088,474.2	\$14,042.42	\$14,419.55
252.9	3	314,532	758.7	6,383,421	4,087,715.5	\$6,020.53	\$6,182.22
253	6	314,538	1,518.0	6,384,939	4,086,197.5	\$12,045.78	\$12,369.24
253.1	6	314,544	1,518.6	6,386,458	4,084,678.9	\$12,050.49	\$12,374.06
253.2	2	314,546	506.4	6,386,964	4,084,172.5	\$4,018.40	\$4,126.29
253.3	2	314,548	506.6	6,387,471	4,083,665.9	\$4,019.97	\$4,127.89
253.5	1	314,549	253.5	6,387,724	4,083,412.4	\$2,011.56	\$2,065.55
253.7	3	314,552	761.1	6,388,485	4,082,651.3	\$6,039.38	\$6,201.47

## RATE SCHEDULE N (Commerical/Industrial)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
253.8	4	314,556	1,015.2	6,389,501	4,081,636.1	\$8,055.65	\$8,271.83
254	3	314,559	762.0	6,390,263	4,080,874.1	\$6,046.45	\$6,208.69
254.1	2	314,561	508.2	6,390,771	4,080,365.9	\$4,032.54	\$4,140.73
254.2	1	314,562	254.2	6,391,025	4,080,111.7	\$2,017.05	\$2,071.17
254.3	3	314,565	762.9	6,391,788	4,079,348.8	\$6,053.51	\$6,215.91
254.5	3	314,568	763.5	6,392,551	4,078,585.3	\$6,058.23	\$6,220.72
254.6	3	314,571	763.8	6,393,315	4,077,821.5	\$6,060.58	\$6,223.13
254.7	5	314,576	1,273.5	6,394,589	4,076,548.0	\$10,104.90	\$10,375.89
254.8	4	314,580	1,019.2	6,395,608	4,075,528.8	\$8,087.06	\$8,303.92
254.9	5	314,585	1,274.5	6,396,882	4,074,254.3	\$10,112.75	\$10,383.91
255	4	314,589	1,020.0	6,397,902	4,073,234.3	\$8,093.34	\$8,310.34
255.1	2	314,591	510.2	6,398,413	4,072,724.1	\$4,048.24	\$4,156.77
255.2	4	314,595	1,020.8	6,399,433	4,071,703.3	\$8,099.62	\$8,316.76
255.3	5	314,600	1,276.5	6,400,710	4,070,426.8	\$10,128.45	\$10,399.96
255.4	4	314,604	1,021.6	6,401,732	4,069,405.2	\$8,105.90	\$8,323.17
255.6	2	314,606	511.2	6,402,243	4,068,894.0	\$4,056.09	\$4,164.80
255.7	3	314,609	767.1	6,403,010	4,068,126.9	\$6,086.50	\$6,249.60
255.8	3	314,612	767.4	6,403,777	4,067,359.5	\$6,088.85	\$6,252.01
255.9	3	314,615	767.7	6,404,545	4,066,591.8	\$6,091.21	\$6,254.41
256	7	314,622	1,792.0	6,406,337	4,064,799.8	\$14,218.31	\$14,599.24
256.1	2	314,624	512.2	6,406,849	4,064,287.6	\$4,063.95	\$4,172.82
256.2	2	314,626	512.4	6,407,362	4,063,775.2	\$4,065.52	\$4,174.42
256.3	2	314,628	512.6	6,407,874	4,063,262.6	\$4,067.09	\$4,176.03
256.4	1	314,629	256.4	6,408,131	4,063,006.2	\$2,034.33	\$2,088.82
256.5	2	314,631	513.0	6,408,644	4,062,493.2	\$4,070.23	\$4,179.23
256.6	2	314,633	513.2	6,409,157	4,061,980.0	\$4,071.80	\$4,180.84
256.7	2	314,635	513.4	6,409,670	4,061,466.6	\$4,073.37	\$4,182.44
256.8	4	314,639	1,027.2	6,410,697	4,060,439.4	\$8,149.88	\$8,368.10
256.9	1	314,640	256.9	6,410,954	4,060,182.5	\$2,038.25	\$2,092.83
257	8	314,648	2,056.0	6,413,010	4,058,126.5	\$16,312.32	\$16,749.03
257.1	2	314,650	514.2	6,413,524	4,057,612.3	\$4,079.65	\$4,188.86
257.2	4	314,654	1,028.8	6,414,553	4,056,583.5	\$8,162.44	\$8,380.93
257.3	1	314,655	257.3	6,414,811	4,056,326.2	\$2,041.40	\$2,096.03
257.4	3	314,658	772.2	6,415,583	4,055,554.0	\$6,126.54	\$6,290.51
257.5	4	314,662	1,030.0	6,416,613	4,054,524.0	\$8,171.87	\$8,390.56
257.6	4	314,666	1,030.4	6,417,643	4,053,493.6	\$8,175.01	\$8,393.77
257.7	3	314,669	773.1	6,418,416	4,052,720.5	\$6,133.61	\$6,297.73
257.8	5	314,674	1,289.0	6,419,705	4,051,431.5	\$10,226.61	\$10,500.23
257.9	6	314,680	1,547.4	6,421,253	4,049,884.1	\$12,276.64	\$12,605.09
258	6	314,686	1,548.0	6,422,801	4,048,336.1	\$12,281.36	\$12,609.90
258.1	5	314,691	1,290.5	6,424,091	4,047,045.6	\$10,238.39	\$10,512.26
258.2	2	314,693	516.4	6,424,608	4,046,529.2	\$4,096.93	\$4,206.51
258.3	4	314,697	1,033.2	6,425,641	4,045,496.0	\$8,196.99	\$8,416.23
258.4	3	314,700	775.2	6,426,416	4,044,720.8	\$6,150.10	\$6,314.58
258.5	1	314,701	258.5	6,426,674	4,044,462.3	\$2,050.82	\$2,105.66
258.6	4	314,705	1,034.4	6,427,709	4,043,427.9	\$8,206.42	\$8,425.85

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
258.7	3	314,708	776.1	6,428,485	4,042,651.8	\$6,157.17	\$6,321.80
258.8	2	314,710	517.6	6,429,003	4,042,134.2	\$4,106.35	\$4,216.14
258.9	1	314,711	258.9	6,429,261	4,041,875.3	\$2,053.96	\$2,108.87
259	6	314,717	1,554.0	6,430,815	4,040,321.3	\$12,328.47	\$12,658.03
259.1	3	314,720	777.3	6,431,593	4,039,544.0	\$6,166.59	\$6,331.42
259.2	2	314,722	518.4	6,432,111	4,039,025.6	\$4,112.63	\$4,222.55
259.3	3	314,725	777.9	6,432,889	4,038,247.7	\$6,171.30	\$6,336.24
259.4	2	314,727	518.8	6,433,408	4,037,728.9	\$4,115.77	\$4,225.76
259.5	3	314,730	778.5	6,434,186	4,036,950.4	\$6,176.01	\$6,341.05
259.6	1	314,731	259.6	6,434,446	4,036,690.8	\$2,059.46	\$2,114.49
259.7	3	314,734	779.1	6,435,225	4,035,911.7	\$6,180.73	\$6,345.86
259.8	3	314,737	779.4	6,436,004	4,035,132.3	\$6,183.08	\$6,348.27
259.9	2	314,739	519.8	6,436,524	4,034,612.5	\$4,123.62	\$4,233.78
260	5	314,744	1,300.0	6,437,824	4,033,312.5	\$10,312.99	\$10,588.47
260.1	6	314,750	1,560.6	6,439,385	4,031,751.9	\$12,380.30	\$12,710.98
260.2	2	314,752	520.4	6,439,905	4,031,231.5	\$4,128.34	\$4,238.60
260.3	1	314,753	260.3	6,440,166	4,030,971.2	\$2,064.95	\$2,120.10
260.4	5	314,758	1,302.0	6,441,468	4,029,669.2	\$10,328.69	\$10,604.51
260.5	4	314,762	1,042.0	6,442,510	4,028,627.2	\$8,266.10	\$8,486.82
260.7	3	314,765	782.1	6,443,292	4,027,845.1	\$6,204.28	\$6,369.93
260.8	3	314,768	782.4	6,444,074	4,027,062.7	\$6,206.64	\$6,372.33
260.9	2	314,770	521.8	6,444,596	4,026,540.9	\$4,139.33	\$4,249.83
261	7	314,777	1,827.0	6,446,423	4,024,713.9	\$14,493.15	\$14,880.01
261.2	2	314,779	522.4	6,446,945	4,024,191.5	\$4,144.04	\$4,254.64
261.3	2	314,781	522.6	6,447,468	4,023,668.9	\$4,145.61	\$4,256.24
261.4	2	314,783	522.8	6,447,991	4,023,146.1	\$4,147.18	\$4,257.85
261.5	2	314,785	523.0	6,448,514	4,022,623.1	\$4,148.75	\$4,259.45
261.6	1	314,786	261.6	6,448,775	4,022,361.5	\$2,075.16	\$2,130.53
261.8	6	314,792	1,570.8	6,450,346	4,020,790.7	\$12,460.39	\$12,792.80
261.9	6	314,798	1,571.4	6,451,917	4,019,219.3	\$12,465.10	\$12,797.61
262	4	314,802	1,048.0	6,452,965	4,018,171.3	\$8,313.21	\$8,534.95
262.1	1	314,803	262.1	6,453,228	4,017,909.2	\$2,079.09	\$2,134.54
262.2	3	314,806	786.6	6,454,014	4,017,122.6	\$6,239.62	\$6,406.03
262.3	2	314,808	524.6	6,454,539	4,016,598.0	\$4,161.32	\$4,272.29
262.4	1	314,809	262.4	6,454,801	4,016,335.6	\$2,081.44	\$2,136.95
262.5	5	314,814	1,312.5	6,456,114	4,015,023.1	\$10,411.14	\$10,688.74
262.6	3	314,817	787.8	6,456,901	4,014,235.3	\$6,249.04	\$6,415.65
262.7	5	314,822	1,313.5	6,458,215	4,012,921.8	\$10,419.00	\$10,696.77
262.8	2	314,824	525.6	6,458,741	4,012,396.2	\$4,169.17	\$4,280.31
262.9	1	314,825	262.9	6,459,003	4,012,133.3	\$2,085.37	\$2,140.96
263	5	314,830	1,315.0	6,460,318	4,010,818.3	\$10,430.78	\$10,708.80
263.3	4	314,834	1,053.2	6,461,372	4,009,765.1	\$8,354.04	\$8,576.67
263.4	6	314,840	1,580.4	6,462,952	4,008,184.7	\$12,535.78	\$12,869.81
263.5	3	314,843	790.5	6,463,743	4,007,394.2	\$6,270.24	\$6,437.31
263.6	3	314,846	790.8	6,464,533	4,006,603.4	\$6,272.60	\$6,439.72
263.7	2	314,848	527.4	6,465,061	4,006,076.0	\$4,183.30	\$4,294.75

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
263.8	3	314,851	791.4	6,465,852	4,005,284.6	\$6,277.31	\$6,444.53
263.9	2	314,853	527.8	6,466,380	4,004,756.8	\$4,186.44	\$4,297.96
264	3	314,856	792.0	6,467,172	4,003,964.8	\$6,282.02	\$6,449.34
264.1	3	314,859	792.3	6,467,964	4,003,172.5	\$6,284.38	\$6,451.75
264.2	3	314,862	792.6	6,468,757	4,002,379.9	\$6,286.73	\$6,454.16
264.3	2	314,864	528.6	6,469,285	4,001,851.3	\$4,192.73	\$4,304.38
264.4	3	314,867	793.2	6,470,079	4,001,058.1	\$6,291.45	\$6,458.97
264.7	2	314,869	529.4	6,470,608	4,000,528.7	\$4,199.01	\$4,310.79
264.8	2	314,871	529.6	6,471,138	3,999,999.1	\$4,200.58	\$4,312.40
264.9	2	314,873	529.8	6,471,667	3,999,469.3	\$4,202.15	\$4,314.00
265	5	314,878	1,325.0	6,472,992	3,998,144.3	\$10,509.30	\$10,789.02
265.1	5	314,883	1,325.5	6,474,318	3,996,818.8	\$10,513.23	\$10,793.03
265.2	2	314,885	530.4	6,474,848	3,996,288.4	\$4,206.86	\$4,318.82
265.3	2	314,887	530.6	6,475,379	3,995,757.8	\$4,208.43	\$4,320.42
265.4	2	314,889	530.8	6,475,910	3,995,227.0	\$4,210.00	\$4,322.02
265.5	1	314,890	265.5	6,476,175	3,994,961.5	\$2,105.79	\$2,161.81
265.6	2	314,892	531.2	6,476,706	3,994,430.3	\$4,213.14	\$4,325.23
265.7	8	314,900	2,125.6	6,478,832	3,992,304.7	\$16,858.85	\$17,307.35
265.8	5	314,905	1,329.0	6,480,161	3,990,975.7	\$10,540.71	\$10,821.11
265.9	2	314,907	531.8	6,480,693	3,990,443.9	\$4,217.85	\$4,330.05
266	5	314,912	1,330.0	6,482,023	3,989,113.9	\$10,548.56	\$10,829.13
266.1	4	314,916	1,064.4	6,483,087	3,988,049.5	\$8,441.99	\$8,666.51
266.2	1	314,917	266.2	6,483,353	3,987,783.3	\$2,111.28	\$2,167.43
266.3	5	314,922	1,331.5	6,484,685	3,986,451.8	\$10,560.34	\$10,841.16
266.4	5	314,927	1,332.0	6,486,017	3,985,119.8	\$10,564.27	\$10,845.17
266.5	3	314,930	799.5	6,486,816	3,984,320.3	\$6,340.92	\$6,509.51
266.6	5	314,935	1,333.0	6,488,149	3,982,987.3	\$10,572.12	\$10,853.19
266.7	5	314,940	1,333.5	6,489,483	3,981,653.8	\$10,576.05	\$10,857.20
266.8	2	314,942	533.6	6,490,017	3,981,120.2	\$4,231.99	\$4,344.49
266.9	3	314,945	800.7	6,490,817	3,980,319.5	\$6,350.34	\$6,519.14
267	9	314,954	2,403.0	6,493,220	3,977,916.5	\$19,058.09	\$19,564.63
267.1	3	314,957	801.3	6,494,022	3,977,115.2	\$6,355.05	\$6,523.95
267.2	4	314,961	1,068.8	6,495,090	3,976,046.4	\$8,476.54	\$8,701.81
267.4	2	314,963	534.8	6,495,625	3,975,511.6	\$4,241.41	\$4,354.11
267.5	3	314,966	802.5	6,496,428	3,974,709.1	\$6,364.47	\$6,533.57
267.6	2	314,968	535.2	6,496,963	3,974,173.9	\$4,244.55	\$4,357.32
267.7	6	314,974	1,606.2	6,498,569	3,972,567.7	\$12,738.37	\$13,076.78
267.8	5	314,979	1,339.0	6,499,908	3,971,228.7	\$10,619.24	\$10,901.32
267.9	3	314,982	803.7	6,500,712	3,970,425.0	\$6,373.90	\$6,543.20
268	5	314,987	1,340.0	6,502,052	3,969,085.0	\$10,627.09	\$10,909.35
268.1	1	314,988	268.1	6,502,320	3,968,816.9	\$2,126.20	\$2,182.67
268.2	4	314,992	1,072.8	6,503,393	3,967,744.1	\$8,507.95	\$8,733.89
268.4	5	314,997	1,342.0	6,504,735	3,966,402.1	\$10,642.79	\$10,925.39
268.6	3	315,000	805.8	6,505,540	3,965,596.3	\$6,390.39	\$6,560.05
268.7	2	315,002	537.4	6,506,078	3,965,058.9	\$4,261.83	\$4,374.97
268.8	3	315,005	806.4	6,506,884	3,964,252.5	\$6,395.10	\$6,564.86

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
268.9	5	315,010	1,344.5	6,508,229	3,962,908.0	\$10,662.42	\$10,945.44
269	6	315,016	1,614.0	6,509,843	3,961,294.0	\$12,799.62	\$13,139.35
269.1	3	315,019	807.3	6,510,650	3,960,486.7	\$6,402.17	\$6,572.08
269.2	2	315,021	538.4	6,511,188	3,959,948.3	\$4,269.68	\$4,382.99
269.3	5	315,026	1,346.5	6,512,535	3,958,601.8	\$10,678.13	\$10,961.49
269.4	3	315,029	808.2	6,513,343	3,957,793.6	\$6,409.23	\$6,579.30
269.5	2	315,031	539.0	6,513,882	3,957,254.6	\$4,274.39	\$4,387.80
269.6	4	315,035	1,078.4	6,514,961	3,956,176.2	\$8,551.93	\$8,778.82
269.7	5	315,040	1,348.5	6,516,309	3,954,827.7	\$10,693.83	\$10,977.53
269.8	1	315,041	269.8	6,516,579	3,954,557.9	\$2,139.55	\$2,196.31
269.9	2	315,043	539.8	6,517,119	3,954,018.1	\$4,280.67	\$4,394.22
270	4	315,047	1,080.0	6,518,199	3,952,938.1	\$8,564.49	\$8,791.65
270.1	1	315,048	270.1	6,518,469	3,952,668.0	\$2,141.91	\$2,198.72
270.2	2	315,050	540.4	6,519,009	3,952,127.6	\$4,285.39	\$4,399.03
270.3	5	315,055	1,351.5	6,520,361	3,950,776.1	\$10,717.39	\$11,001.60
270.5	2	315,057	541.0	6,520,902	3,950,235.1	\$4,290.10	\$4,403.85
270.7	3	315,060	812.1	6,521,714	3,949,423.0	\$6,439.86	\$6,610.58
270.8	2	315,062	541.6	6,522,255	3,948,881.4	\$4,294.81	\$4,408.66
270.9	1	315,063	270.9	6,522,526	3,948,610.5	\$2,148.19	\$2,205.13
271	4	315,067	1,084.0	6,523,610	3,947,526.5	\$8,595.90	\$8,823.74
271.1	4	315,071	1,084.4	6,524,695	3,946,442.1	\$8,599.04	\$8,826.95
271.2	5	315,076	1,356.0	6,526,051	3,945,086.1	\$10,752.73	\$11,037.70
271.3	2	315,078	542.6	6,526,593	3,944,543.5	\$4,302.66	\$4,416.68
271.5	2	315,080	543.0	6,527,136	3,944,000.5	\$4,305.80	\$4,419.89
271.6	2	315,082	543.2	6,527,679	3,943,457.3	\$4,307.37	\$4,421.50
271.7	1	315,083	271.7	6,527,951	3,943,185.6	\$2,154.47	\$2,211.55
271.8	4	315,087	1,087.2	6,529,038	3,942,098.4	\$8,621.03	\$8,849.41
271.9	1	315,088	271.9	6,529,310	3,941,826.5	\$2,156.04	\$2,213.15
272	1	315,089	272.0	6,529,582	3,941,554.5	\$2,156.83	\$2,213.96
272.1	6	315,095	1,632.6	6,531,215	3,939,921.9	\$12,945.68	\$13,288.55
272.2	1	315,096	272.2	6,531,487	3,939,649.7	\$2,158.40	\$2,215.56
272.3	1	315,097	272.3	6,531,759	3,939,377.4	\$2,159.18	\$2,216.36
272.4	3	315,100	817.2	6,532,577	3,938,560.2	\$6,479.91	\$6,651.50
272.5	7	315,107	1,907.5	6,534,484	3,936,652.7	\$15,125.28	\$15,525.77
272.6	3	315,110	817.8	6,535,302	3,935,834.9	\$6,484.62	\$6,656.31
272.7	1	315,111	272.7	6,535,575	3,935,562.2	\$2,162.32	\$2,219.57
272.8	5	315,116	1,364.0	6,536,939	3,934,198.2	\$10,815.55	\$11,101.87
272.9	1	315,117	272.9	6,537,211	3,933,925.3	\$2,163.89	\$2,221.18
273	7	315,124	1,911.0	6,539,122	3,932,014.3	\$15,152.76	\$15,553.85
273.1	4	315,128	1,092.4	6,540,215	3,930,921.9	\$8,661.86	\$8,891.12
273.2	1	315,129	273.2	6,540,488	3,930,648.7	\$2,166.25	\$2,223.58
273.3	3	315,132	819.9	6,541,308	3,929,828.8	\$6,501.11	\$6,673.16
273.4	1	315,133	273.4	6,541,581	3,929,555.4	\$2,167.82	\$2,225.19
273.5	2	315,135	547.0	6,542,128	3,929,008.4	\$4,337.21	\$4,451.98
273.6	1	315,136	273.6	6,542,402	3,928,734.8	\$2,169.39	\$2,226.79
273.9	4	315,140	1,095.6	6,543,498	3,927,639.2	\$8,686.99	\$8,916.79

## RATE SCHEDULE N (Commerical/Industrial)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
274	7	315,147	1,918.0	6,545,416	3,925,721.2	\$15,207.73	\$15,610.00
274.2	6	315,153	1,645.2	6,547,061	3,924,076.0	\$13,044.62	\$13,389.63
274.3	2	315,155	548.6	6,547,609	3,923,527.4	\$4,349.78	\$4,464.81
274.7	4	315,159	1,098.8	6,548,708	3,922,428.6	\$8,712.12	\$8,942.46
274.8	5	315,164	1,374.0	6,550,082	3,921,054.6	\$10,894.07	\$11,182.09
274.9	4	315,168	1,099.6	6,551,182	3,919,955.0	\$8,718.40	\$8,948.88
275	5	315,173	1,375.0	6,552,557	3,918,580.0	\$10,901.93	\$11,190.11
275.1	1	315,174	275.1	6,552,832	3,918,304.9	\$2,181.17	\$2,238.82
275.2	1	315,175	275.2	6,553,107	3,918,029.7	\$2,181.96	\$2,239.63
275.4	1	315,176	275.4	6,553,382	3,917,754.3	\$2,183.53	\$2,241.23
275.5	4	315,180	1,102.0	6,554,484	3,916,652.3	\$8,737.25	\$8,968.13
275.6	1	315,181	275.6	6,554,760	3,916,376.7	\$2,185.10	\$2,242.84
275.7	3	315,184	827.1	6,555,587	3,915,549.6	\$6,557.65	\$6,730.91
275.8	3	315,187	827.4	6,556,415	3,914,722.2	\$6,560.00	\$6,733.32
275.9	5	315,192	1,379.5	6,557,794	3,913,342.7	\$10,937.26	\$11,226.21
276	3	315,195	828.0	6,558,622	3,912,514.7	\$6,564.71	\$6,738.13
276.1	4	315,199	1,104.4	6,559,726	3,911,410.3	\$8,756.09	\$8,987.39
276.2	3	315,202	828.6	6,560,555	3,910,581.7	\$6,569.42	\$6,742.95
276.3	2	315,204	552.6	6,561,108	3,910,029.1	\$4,381.19	\$4,496.90
276.4	3	315,207	829.2	6,561,937	3,909,199.9	\$6,574.14	\$6,747.76
276.5	1	315,208	276.5	6,562,213	3,908,923.4	\$2,192.16	\$2,250.06
276.6	1	315,209	276.6	6,562,490	3,908,646.8	\$2,192.95	\$2,250.86
276.7	2	315,211	553.4	6,563,043	3,908,093.4	\$4,387.47	\$4,503.32
276.8	2	315,213	553.6	6,563,597	3,907,539.8	\$4,389.04	\$4,504.92
276.9	2	315,215	553.8	6,564,151	3,906,986.0	\$4,390.61	\$4,506.53
277	5	315,220	1,385.0	6,565,536	3,905,601.0	\$10,980.45	\$11,270.33
277.1	2	315,222	554.2	6,566,090	3,905,046.8	\$4,393.75	\$4,509.74
277.2	2	315,224	554.4	6,566,644	3,904,492.4	\$4,395.32	\$4,511.34
277.3	4	315,228	1,109.2	6,567,754	3,903,383.2	\$8,793.78	\$9,025.89
277.4	1	315,229	277.4	6,568,031	3,903,105.8	\$2,199.23	\$2,257.28
277.5	1	315,230	277.5	6,568,308	3,902,828.3	\$2,200.02	\$2,258.08
277.6	1	315,231	277.6	6,568,586	3,902,550.7	\$2,200.80	\$2,258.88
277.7	2	315,233	555.4	6,569,141	3,901,995.3	\$4,403.17	\$4,519.36
277.8	3	315,236	833.4	6,569,975	3,901,161.9	\$6,607.12	\$6,781.45
277.9	2	315,238	555.8	6,570,531	3,900,606.1	\$4,406.31	\$4,522.57
278	6	315,244	1,668.0	6,572,199	3,898,938.1	\$13,223.66	\$13,572.53
278.1	1	315,245	278.1	6,572,477	3,898,660.0	\$2,204.73	\$2,262.89
278.2	2	315,247	556.4	6,573,033	3,898,103.6	\$4,411.03	\$4,527.39
278.4	3	315,250	835.2	6,573,868	3,897,268.4	\$6,621.25	\$6,795.89
278.5	8	315,258	2,228.0	6,576,096	3,895,040.4	\$17,662.95	\$18,128.79
278.6	1	315,259	278.6	6,576,375	3,894,761.8	\$2,208.65	\$2,266.90
278.7	2	315,261	557.4	6,576,932	3,894,204.4	\$4,418.88	\$4,535.41
278.8	1	315,262	278.8	6,577,211	3,893,925.6	\$2,210.22	\$2,268.51
278.9	4	315,266	1,115.6	6,578,327	3,892,810.0	\$8,844.04	\$9,077.23
279	4	315,270	1,116.0	6,579,443	3,891,694.0	\$8,847.18	\$9,080.44
279.1	3	315,273	837.3	6,580,280	3,890,856.7	\$6,637.74	\$6,812.74



**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
279.2	2	315,275	558.4	6,580,838	3,890,298.3	\$4,426.73	\$4,543.43
279.3	2	315,277	558.6	6,581,397	3,889,739.7	\$4,428.30	\$4,545.03
279.5	5	315,282	1,397.5	6,582,795	3,888,342.2	\$11,078.61	\$11,370.61
279.6	4	315,286	1,118.4	6,583,913	3,887,223.8	\$8,866.03	\$9,099.69
279.7	3	315,289	839.1	6,584,752	3,886,384.7	\$6,651.88	\$6,827.18
279.8	2	315,291	559.6	6,585,312	3,885,825.1	\$4,436.15	\$4,553.06
279.9	1	315,292	279.9	6,585,592	3,885,545.2	\$2,218.86	\$2,277.33
280	7	315,299	1,960.0	6,587,552	3,883,585.2	\$15,537.53	\$15,946.92
280.1	2	315,301	560.2	6,588,112	3,883,025.0	\$4,440.87	\$4,557.87
280.2	1	315,302	280.2	6,588,392	3,882,744.8	\$2,221.22	\$2,279.74
280.3	4	315,306	1,121.2	6,589,513	3,881,623.6	\$8,888.01	\$9,122.15
280.4	3	315,309	841.2	6,590,354	3,880,782.4	\$6,668.37	\$6,844.02
280.5	2	315,311	561.0	6,590,915	3,880,221.4	\$4,447.15	\$4,564.29
280.6	3	315,314	841.8	6,591,757	3,879,379.6	\$6,673.08	\$6,848.84
280.7	5	315,319	1,403.5	6,593,161	3,877,976.1	\$11,125.72	\$11,418.74
280.8	2	315,321	561.6	6,593,722	3,877,414.5	\$4,451.86	\$4,569.10
280.9	5	315,326	1,404.5	6,595,127	3,876,010.0	\$11,133.57	\$11,426.76
281	4	315,330	1,124.0	6,596,251	3,874,886.0	\$8,910.00	\$9,144.62
281.1	2	315,332	562.2	6,596,813	3,874,323.8	\$4,456.57	\$4,573.91
281.2	3	315,335	843.6	6,597,657	3,873,480.2	\$6,687.21	\$6,863.27
281.3	5	315,340	1,406.5	6,599,063	3,872,073.7	\$11,149.28	\$11,442.80
281.4	3	315,343	844.2	6,599,907	3,871,229.5	\$6,691.92	\$6,868.09
281.5	4	315,347	1,126.0	6,601,033	3,870,103.5	\$8,925.71	\$9,160.66
281.6	4	315,351	1,126.4	6,602,160	3,868,977.1	\$8,928.85	\$9,163.87
281.7	2	315,353	563.4	6,602,723	3,868,413.7	\$4,465.99	\$4,583.54
281.8	1	315,354	281.8	6,603,005	3,868,131.9	\$2,233.78	\$2,292.57
282	6	315,360	1,692.0	6,604,697	3,866,439.9	\$13,412.12	\$13,765.05
282.1	2	315,362	564.2	6,605,261	3,865,875.7	\$4,472.28	\$4,589.96
282.2	1	315,363	282.2	6,605,543	3,865,593.5	\$2,236.92	\$2,295.78
282.3	2	315,365	564.6	6,606,108	3,865,028.9	\$4,475.42	\$4,593.16
282.4	1	315,366	282.4	6,606,390	3,864,746.5	\$2,238.49	\$2,297.38
282.5	5	315,371	1,412.5	6,607,803	3,863,334.0	\$11,196.39	\$11,490.93
282.7	3	315,374	848.1	6,608,651	3,862,485.9	\$6,722.55	\$6,899.37
282.8	3	315,377	848.4	6,609,499	3,861,637.5	\$6,724.90	\$6,901.78
283	7	315,384	1,981.0	6,611,480	3,859,656.5	\$15,702.44	\$16,115.38
283.1	1	315,385	283.1	6,611,763	3,859,373.4	\$2,243.99	\$2,303.00
283.2	1	315,386	283.2	6,612,047	3,859,090.2	\$2,244.78	\$2,303.80
283.3	3	315,389	849.9	6,612,896	3,858,240.3	\$6,736.68	\$6,913.81
283.4	1	315,390	283.4	6,613,180	3,857,956.9	\$2,246.35	\$2,305.41
283.5	2	315,392	567.0	6,613,747	3,857,389.9	\$4,494.26	\$4,612.42
283.6	1	315,393	283.6	6,614,030	3,857,106.3	\$2,247.92	\$2,307.01
283.8	2	315,395	567.6	6,614,598	3,856,538.7	\$4,498.97	\$4,617.23
284	4	315,399	1,136.0	6,615,734	3,855,402.7	\$9,004.23	\$9,240.88
284.1	1	315,400	284.1	6,616,018	3,855,118.6	\$2,251.84	\$2,311.02
284.2	2	315,402	568.4	6,616,587	3,854,550.2	\$4,505.26	\$4,623.65
284.3	3	315,405	852.9	6,617,439	3,853,697.3	\$6,760.24	\$6,937.88

## RATE SCHEDULE N (Commerical/Industrial)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
284.4	1	315,406	284.4	6,617,724	3,853,412.9	\$2,254.20	\$2,313.43
284.5	3	315,409	853.5	6,618,577	3,852,559.4	\$6,764.95	\$6,942.69
284.6	3	315,412	853.8	6,619,431	3,851,705.6	\$6,767.31	\$6,945.10
284.7	2	315,414	569.4	6,620,001	3,851,136.2	\$4,513.11	\$4,631.67
284.8	2	315,416	569.6	6,620,570	3,850,566.6	\$4,514.68	\$4,633.27
284.9	1	315,417	284.9	6,620,855	3,850,281.7	\$2,258.12	\$2,317.44
285	2	315,419	570.0	6,621,425	3,849,711.7	\$4,517.82	\$4,636.48
285.1	1	315,420	285.1	6,621,710	3,849,426.6	\$2,259.70	\$2,319.04
285.2	1	315,421	285.2	6,621,995	3,849,141.4	\$2,260.48	\$2,319.85
285.3	4	315,425	1,141.2	6,623,137	3,848,000.2	\$9,045.06	\$9,282.59
285.5	3	315,428	856.5	6,623,993	3,847,143.7	\$6,788.51	\$6,966.76
285.6	4	315,432	1,142.4	6,625,135	3,846,001.3	\$9,054.49	\$9,292.22
285.7	3	315,435	857.1	6,625,993	3,845,144.2	\$6,793.22	\$6,971.57
285.8	2	315,437	571.6	6,626,564	3,844,572.6	\$4,530.38	\$4,649.32
285.9	2	315,439	571.8	6,627,136	3,844,000.8	\$4,531.95	\$4,650.92
286	4	315,443	1,144.0	6,628,280	3,842,856.8	\$9,067.05	\$9,305.05
286.1	3	315,446	858.3	6,629,138	3,841,998.5	\$6,802.64	\$6,981.20
286.2	4	315,450	1,144.8	6,630,283	3,840,853.7	\$9,073.33	\$9,311.47
286.3	2	315,452	572.6	6,630,856	3,840,281.1	\$4,538.24	\$4,657.34
286.4	6	315,458	1,718.4	6,632,574	3,838,562.7	\$13,619.42	\$13,976.83
286.5	1	315,459	286.5	6,632,861	3,838,276.2	\$2,270.69	\$2,330.27
286.6	2	315,461	573.2	6,633,434	3,837,703.0	\$4,542.95	\$4,662.15
286.7	3	315,464	860.1	6,634,294	3,836,842.9	\$6,816.78	\$6,995.64
286.8	4	315,468	1,147.2	6,635,441	3,835,695.7	\$9,092.18	\$9,330.72
286.9	3	315,471	860.7	6,636,302	3,834,835.0	\$6,821.49	\$7,000.45
287	2	315,473	574.0	6,636,876	3,834,261.0	\$4,549.23	\$4,668.57
287.1	2	315,475	574.2	6,637,450	3,833,686.8	\$4,550.80	\$4,670.17
287.2	2	315,477	574.4	6,638,024	3,833,112.4	\$4,552.37	\$4,671.78
287.3	4	315,481	1,149.2	6,639,174	3,831,963.2	\$9,107.88	\$9,346.77
287.4	2	315,483	574.8	6,639,748	3,831,388.4	\$4,555.51	\$4,674.99
287.5	2	315,485	575.0	6,640,323	3,830,813.4	\$4,557.08	\$4,676.59
287.6	5	315,490	1,438.0	6,641,761	3,829,375.4	\$11,396.63	\$11,695.49
287.7	2	315,492	575.4	6,642,337	3,828,800.0	\$4,560.22	\$4,679.80
287.8	3	315,495	863.4	6,643,200	3,827,936.6	\$6,842.69	\$7,022.11
287.9	3	315,498	863.7	6,644,064	3,827,072.9	\$6,845.05	\$7,024.52
288	2	315,500	576.0	6,644,640	3,826,496.9	\$4,564.94	\$4,684.61
288.1	1	315,501	288.1	6,644,928	3,826,208.8	\$2,283.25	\$2,343.11
288.2	1	315,502	288.2	6,645,216	3,825,920.6	\$2,284.04	\$2,343.91
288.3	2	315,504	576.6	6,645,793	3,825,344.0	\$4,569.65	\$4,689.43
288.4	6	315,510	1,730.4	6,647,523	3,823,613.6	\$13,713.65	\$14,073.10
288.5	7	315,517	2,019.5	6,649,543	3,821,594.1	\$16,004.76	\$16,424.23
288.6	1	315,518	288.6	6,649,831	3,821,305.5	\$2,287.18	\$2,347.12
288.7	1	315,519	288.7	6,650,120	3,821,016.8	\$2,287.96	\$2,347.92
288.8	4	315,523	1,155.2	6,651,275	3,819,861.6	\$9,155.00	\$9,394.90
288.9	3	315,526	866.7	6,652,142	3,818,994.9	\$6,868.60	\$7,048.58
289	5	315,531	1,445.0	6,653,587	3,817,549.9	\$11,451.60	\$11,751.65

## RATE SCHEDULE N (Commerical/Industrial)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
289.1	1	315,532	289.1	6,653,876	3,817,260.8	\$2,291.11	\$2,351.13
289.2	1	315,533	289.2	6,654,165	3,816,971.6	\$2,291.89	\$2,351.93
289.4	2	315,535	578.8	6,654,744	3,816,392.8	\$4,586.92	\$4,707.08
289.6	1	315,536	289.6	6,655,034	3,816,103.2	\$2,295.03	\$2,355.14
289.7	2	315,538	579.4	6,655,613	3,815,523.8	\$4,591.63	\$4,711.89
289.8	2	315,540	579.6	6,656,193	3,814,944.2	\$4,593.20	\$4,713.49
289.9	3	315,543	869.7	6,657,062	3,814,074.5	\$6,892.16	\$7,072.65
290	6	315,549	1,740.0	6,658,802	3,812,334.5	\$13,789.04	\$14,150.11
290.1	2	315,551	580.2	6,659,382	3,811,754.3	\$4,597.92	\$4,718.31
290.2	1	315,552	290.2	6,659,673	3,811,464.1	\$2,299.74	\$2,359.96
290.3	2	315,554	580.6	6,660,253	3,810,883.5	\$4,601.06	\$4,721.52
290.4	2	315,556	580.8	6,660,834	3,810,302.7	\$4,602.63	\$4,723.12
290.5	2	315,558	581.0	6,661,415	3,809,721.7	\$4,604.20	\$4,724.72
290.6	2	315,560	581.2	6,661,996	3,809,140.5	\$4,605.77	\$4,726.33
290.7	4	315,564	1,162.8	6,663,159	3,807,977.7	\$9,214.68	\$9,455.87
290.8	1	315,565	290.8	6,663,450	3,807,686.9	\$2,304.45	\$2,364.77
290.9	3	315,568	872.7	6,664,323	3,806,814.2	\$6,915.72	\$7,096.71
291	7	315,575	2,037.0	6,666,360	3,804,777.2	\$16,142.18	\$16,564.61
291.1	4	315,579	1,164.4	6,667,524	3,803,612.8	\$9,227.24	\$9,468.70
291.2	2	315,581	582.4	6,668,106	3,803,030.4	\$4,615.19	\$4,735.95
291.4	2	315,583	582.8	6,668,689	3,802,447.6	\$4,618.33	\$4,739.16
291.5	6	315,589	1,749.0	6,670,438	3,800,698.6	\$13,859.71	\$14,222.30
291.6	3	315,592	874.8	6,671,313	3,799,823.8	\$6,932.21	\$7,113.56
291.7	1	315,593	291.7	6,671,605	3,799,532.1	\$2,311.52	\$2,371.99
291.8	3	315,596	875.4	6,672,480	3,798,656.7	\$6,936.92	\$7,118.37
292	8	315,604	2,336.0	6,674,816	3,796,320.7	\$18,511.02	\$18,995.16
292.1	3	315,607	876.3	6,675,692	3,795,444.4	\$6,943.99	\$7,125.59
292.2	1	315,608	292.2	6,675,985	3,795,152.2	\$2,315.45	\$2,376.00
292.4	1	315,609	292.4	6,676,277	3,794,859.8	\$2,317.02	\$2,377.60
292.5	2	315,611	585.0	6,676,862	3,794,274.8	\$4,635.61	\$4,756.81
292.6	4	315,615	1,170.4	6,678,032	3,793,104.4	\$9,274.36	\$9,516.83
292.8	5	315,620	1,464.0	6,679,496	3,791,640.4	\$11,600.80	\$11,904.06
292.9	2	315,622	585.8	6,680,082	3,791,054.6	\$4,641.89	\$4,763.23
293	5	315,627	1,465.0	6,681,547	3,789,589.6	\$11,608.65	\$11,912.08
293.1	1	315,628	293.1	6,681,840	3,789,296.5	\$2,322.52	\$2,383.22
293.2	2	315,630	586.4	6,682,427	3,788,710.1	\$4,646.60	\$4,768.04
293.3	4	315,634	1,173.2	6,683,600	3,787,536.9	\$9,296.34	\$9,539.29
293.4	2	315,636	586.8	6,684,187	3,786,950.1	\$4,649.74	\$4,771.25
293.5	3	315,639	880.5	6,685,067	3,786,069.6	\$6,976.97	\$7,159.28
293.6	3	315,642	880.8	6,685,948	3,785,188.8	\$6,979.32	\$7,161.69
293.7	2	315,644	587.4	6,686,535	3,784,601.4	\$4,654.45	\$4,776.06
293.8	3	315,647	881.4	6,687,417	3,783,720.0	\$6,984.04	\$7,166.50
293.9	1	315,648	293.9	6,687,711	3,783,426.1	\$2,328.80	\$2,389.64
294	4	315,652	1,176.0	6,688,887	3,782,250.1	\$9,318.33	\$9,561.75
294.1	1	315,653	294.1	6,689,181	3,781,956.0	\$2,330.37	\$2,391.24
294.2	2	315,655	588.4	6,689,769	3,781,367.6	\$4,662.31	\$4,784.09

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
294.3	3	315,658	882.9	6,690,652	3,780,484.7	\$6,995.81	\$7,178.54
294.4	1	315,659	294.4	6,690,946	3,780,190.3	\$2,332.72	\$2,393.65
294.5	2	315,661	589.0	6,691,535	3,779,601.3	\$4,667.02	\$4,788.90
294.6	2	315,663	589.2	6,692,125	3,779,012.1	\$4,668.59	\$4,790.50
294.7	3	315,666	884.1	6,693,009	3,778,128.0	\$7,005.24	\$7,188.16
294.8	4	315,670	1,179.2	6,694,188	3,776,948.8	\$9,343.46	\$9,587.42
294.9	2	315,672	589.8	6,694,778	3,776,359.0	\$4,673.30	\$4,795.32
295	4	315,676	1,180.0	6,695,958	3,775,179.0	\$9,349.74	\$9,593.84
295.1	3	315,679	885.3	6,696,843	3,774,293.7	\$7,014.66	\$7,197.79
295.2	1	315,680	295.2	6,697,138	3,773,998.5	\$2,339.01	\$2,400.06
295.3	2	315,682	590.6	6,697,729	3,773,407.9	\$4,679.58	\$4,801.73
295.4	1	315,683	295.4	6,698,024	3,773,112.5	\$2,340.58	\$2,401.67
295.6	3	315,686	886.8	6,698,911	3,772,225.7	\$7,026.44	\$7,209.82
295.7	1	315,687	295.7	6,699,207	3,771,930.0	\$2,342.93	\$2,404.08
295.9	1	315,688	295.9	6,699,503	3,771,634.1	\$2,344.50	\$2,405.68
296	7	315,695	2,072.0	6,701,575	3,769,562.1	\$16,417.01	\$16,845.38
296.1	4	315,699	1,184.4	6,702,759	3,768,377.7	\$9,384.29	\$9,629.14
296.2	1	315,700	296.2	6,703,055	3,768,081.5	\$2,346.86	\$2,408.09
296.3	3	315,703	888.9	6,703,944	3,767,192.6	\$7,042.93	\$7,226.67
296.5	2	315,705	593.0	6,704,537	3,766,599.6	\$4,698.43	\$4,820.99
296.6	2	315,707	593.2	6,705,130	3,766,006.4	\$4,700.00	\$4,822.59
296.7	2	315,709	593.4	6,705,724	3,765,413.0	\$4,701.57	\$4,824.20
296.8	3	315,712	890.4	6,706,614	3,764,522.6	\$7,054.71	\$7,238.70
296.9	3	315,715	890.7	6,707,505	3,763,631.9	\$7,057.06	\$7,241.11
297	3	315,718	891.0	6,708,396	3,762,740.9	\$7,059.42	\$7,243.51
297.1	3	315,721	891.3	6,709,287	3,761,849.6	\$7,061.78	\$7,245.92
297.2	2	315,723	594.4	6,709,882	3,761,255.2	\$4,709.42	\$4,832.22
297.3	3	315,726	891.9	6,710,773	3,760,363.3	\$7,066.49	\$7,250.73
297.4	3	315,729	892.2	6,711,666	3,759,471.1	\$7,068.84	\$7,253.14
297.5	2	315,731	595.0	6,712,261	3,758,876.1	\$4,714.13	\$4,837.03
297.6	5	315,736	1,488.0	6,713,749	3,757,388.1	\$11,789.26	\$12,096.59
297.8	2	315,738	595.6	6,714,344	3,756,792.5	\$4,718.84	\$4,841.84
297.9	1	315,739	297.9	6,714,642	3,756,494.6	\$2,360.21	\$2,421.72
298	3	315,742	894.0	6,715,536	3,755,600.6	\$7,082.98	\$7,267.58
298.1	1	315,743	298.1	6,715,834	3,755,302.5	\$2,361.78	\$2,423.33
298.2	2	315,745	596.4	6,716,431	3,754,706.1	\$4,725.13	\$4,848.26
298.3	2	315,747	596.6	6,717,027	3,754,109.5	\$4,726.70	\$4,849.87
298.4	2	315,749	596.8	6,717,624	3,753,512.7	\$4,728.27	\$4,851.47
298.5	2	315,751	597.0	6,718,221	3,752,915.7	\$4,729.84	\$4,853.07
298.6	3	315,754	895.8	6,719,117	3,752,019.9	\$7,097.11	\$7,282.02
298.7	3	315,757	896.1	6,720,013	3,751,123.8	\$7,099.47	\$7,284.42
298.9	10	315,767	2,989.0	6,723,002	3,748,134.8	\$23,680.60	\$24,297.46
299	1	315,768	299.0	6,723,301	3,747,835.8	\$2,368.85	\$2,430.55
299.1	3	315,771	897.3	6,724,198	3,746,938.5	\$7,108.89	\$7,294.05
299.2	2	315,773	598.4	6,724,797	3,746,340.1	\$4,740.83	\$4,864.30
299.3	3	315,776	897.9	6,725,695	3,745,442.2	\$7,113.60	\$7,298.86

## RATE SCHEDULE N (Commerical/Industrial)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
299.4	3	315,779	898.2	6,726,593	3,744,544.0	\$7,115.96	\$7,301.27
299.5	5	315,784	1,497.5	6,728,090	3,743,046.5	\$11,863.86	\$12,172.80
299.7	2	315,786	599.4	6,728,690	3,742,447.1	\$4,748.68	\$4,872.33
299.8	1	315,787	299.8	6,728,989	3,742,147.3	\$2,375.13	\$2,436.97
300	9	315,796	2,700.0	6,731,689	3,739,447.3	\$21,390.28	\$21,947.13
300.1	3	315,799	900.3	6,732,590	3,738,547.0	\$7,132.45	\$7,318.12
300.2	2	315,801	600.4	6,733,190	3,737,946.6	\$4,756.54	\$4,880.35
300.3	2	315,803	600.6	6,733,791	3,737,346.0	\$4,758.11	\$4,881.95
300.4	2	315,805	600.8	6,734,392	3,736,745.2	\$4,759.68	\$4,883.56
300.5	3	315,808	901.5	6,735,293	3,735,843.7	\$7,141.87	\$7,327.74
300.6	2	315,810	601.2	6,735,894	3,735,242.5	\$4,762.82	\$4,886.77
300.7	4	315,814	1,202.8	6,737,097	3,734,039.7	\$9,528.78	\$9,776.74
300.8	2	315,816	601.6	6,737,699	3,733,438.1	\$4,765.96	\$4,889.98
300.9	1	315,817	300.9	6,738,000	3,733,137.2	\$2,383.76	\$2,445.79
301	1	315,818	301.0	6,738,301	3,732,836.2	\$2,384.55	\$2,446.59
301.1	2	315,820	602.2	6,738,903	3,732,234.0	\$4,770.67	\$4,894.79
301.2	4	315,824	1,204.8	6,740,108	3,731,029.2	\$9,544.48	\$9,792.79
301.3	1	315,825	301.3	6,740,409	3,730,727.9	\$2,386.91	\$2,449.00
301.4	4	315,829	1,205.6	6,741,614	3,729,522.3	\$9,550.76	\$9,799.20
301.5	1	315,830	301.5	6,741,916	3,729,220.8	\$2,388.48	\$2,450.60
301.6	2	315,832	603.2	6,742,519	3,728,617.6	\$4,778.52	\$4,902.81
301.7	3	315,835	905.1	6,743,424	3,727,712.5	\$7,170.14	\$7,356.62
301.8	3	315,838	905.4	6,744,330	3,726,807.1	\$7,172.50	\$7,359.03
301.9	1	315,839	301.9	6,744,632	3,726,505.2	\$2,391.62	\$2,453.81
302	2	315,841	604.0	6,745,236	3,725,901.2	\$4,784.81	\$4,909.23
302.1	5	315,846	1,510.5	6,746,746	3,724,390.7	\$11,965.94	\$12,277.08
302.2	1	315,847	302.2	6,747,048	3,724,088.5	\$2,393.97	\$2,456.22
302.3	2	315,849	604.6	6,747,653	3,723,483.9	\$4,789.52	\$4,914.04
302.4	3	315,852	907.2	6,748,560	3,722,576.7	\$7,186.63	\$7,373.47
302.5	3	315,855	907.5	6,749,468	3,721,669.2	\$7,188.99	\$7,375.87
302.6	4	315,859	1,210.4	6,750,678	3,720,458.8	\$9,588.46	\$9,837.71
302.8	4	315,863	1,211.2	6,751,889	3,719,247.6	\$9,594.74	\$9,844.13
302.9	3	315,866	908.7	6,752,798	3,718,338.9	\$7,198.41	\$7,385.50
303	2	315,868	606.0	6,753,404	3,717,732.9	\$4,800.51	\$4,925.27
303.1	3	315,871	909.3	6,754,313	3,716,823.6	\$7,203.12	\$7,390.31
303.3	2	315,873	606.6	6,754,920	3,716,217.0	\$4,805.22	\$4,930.08
303.4	4	315,877	1,213.6	6,756,133	3,715,003.4	\$9,613.58	\$9,863.38
303.5	2	315,879	607.0	6,756,740	3,714,396.4	\$4,808.36	\$4,933.29
303.6	3	315,882	910.8	6,757,651	3,713,485.6	\$7,214.90	\$7,402.35
303.7	3	315,885	911.1	6,758,562	3,712,574.5	\$7,217.26	\$7,404.75
303.9	2	315,887	607.8	6,759,170	3,711,966.7	\$4,814.64	\$4,939.71
304	2	315,889	608.0	6,759,778	3,711,358.7	\$4,816.22	\$4,941.32
304.2	1	315,890	304.2	6,760,082	3,711,054.5	\$2,409.68	\$2,472.26
304.4	4	315,894	1,217.6	6,761,300	3,709,836.9	\$9,644.99	\$9,895.47
304.5	1	315,895	304.5	6,761,604	3,709,532.4	\$2,412.03	\$2,474.67
304.6	2	315,897	609.2	6,762,214	3,708,923.2	\$4,825.64	\$4,950.94

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
304.7	5	315,902	1,523.5	6,763,737	3,707,399.7	\$12,068.02	\$12,381.36
304.8	3	315,905	914.4	6,764,651	3,706,485.3	\$7,243.17	\$7,431.23
305	2	315,907	610.0	6,765,261	3,705,875.3	\$4,831.92	\$4,957.36
305.1	2	315,909	610.2	6,765,872	3,705,265.1	\$4,833.49	\$4,958.96
305.2	2	315,911	610.4	6,766,482	3,704,654.7	\$4,835.06	\$4,960.57
305.3	2	315,913	610.6	6,767,093	3,704,044.1	\$4,836.63	\$4,962.17
305.4	2	315,915	610.8	6,767,703	3,703,433.3	\$4,838.20	\$4,963.78
305.5	2	315,917	611.0	6,768,314	3,702,822.3	\$4,839.77	\$4,965.38
305.6	2	315,919	611.2	6,768,926	3,702,211.1	\$4,841.34	\$4,966.99
305.8	1	315,920	305.8	6,769,231	3,701,905.3	\$2,422.24	\$2,485.10
306	4	315,924	1,224.0	6,770,455	3,700,681.3	\$9,695.25	\$9,946.81
306.1	2	315,926	612.2	6,771,068	3,700,069.1	\$4,849.20	\$4,975.01
306.3	2	315,928	612.6	6,771,680	3,699,456.5	\$4,852.34	\$4,978.22
306.5	2	315,930	613.0	6,772,293	3,698,843.5	\$4,855.48	\$4,981.42
306.7	1	315,931	306.7	6,772,600	3,698,536.8	\$2,429.31	\$2,492.32
306.8	2	315,933	613.6	6,773,214	3,697,923.2	\$4,860.19	\$4,986.24
306.9	4	315,937	1,227.6	6,774,441	3,696,695.6	\$9,723.52	\$9,975.68
307.2	1	315,938	307.2	6,774,748	3,696,388.4	\$2,433.24	\$2,496.33
307.3	2	315,940	614.6	6,775,363	3,695,773.8	\$4,868.04	\$4,994.26
307.5	2	315,942	615.0	6,775,978	3,695,158.8	\$4,871.18	\$4,997.47
307.6	2	315,944	615.2	6,776,593	3,694,543.6	\$4,872.75	\$4,999.07
307.7	2	315,946	615.4	6,777,209	3,693,928.2	\$4,874.32	\$5,000.68
307.8	2	315,948	615.6	6,777,824	3,693,312.6	\$4,875.89	\$5,002.28
307.9	3	315,951	923.7	6,778,748	3,692,388.9	\$7,316.20	\$7,505.83
308	1	315,952	308.0	6,779,056	3,692,080.9	\$2,439.52	\$2,502.75
308.1	1	315,953	308.1	6,779,364	3,691,772.8	\$2,440.30	\$2,503.55
308.2	1	315,954	308.2	6,779,672	3,691,464.6	\$2,441.09	\$2,504.35
308.3	2	315,956	616.6	6,780,289	3,690,848.0	\$4,883.75	\$5,010.30
308.4	2	315,958	616.8	6,780,906	3,690,231.2	\$4,885.32	\$5,011.91
308.5	2	315,960	617.0	6,781,523	3,689,614.2	\$4,886.89	\$5,013.51
308.6	4	315,964	1,234.4	6,782,757	3,688,379.8	\$9,776.92	\$10,030.23
308.7	4	315,968	1,234.8	6,783,992	3,687,145.0	\$9,780.06	\$10,033.44
308.8	3	315,971	926.4	6,784,918	3,686,218.6	\$7,337.40	\$7,527.49
309	1	315,972	309.0	6,785,227	3,685,909.6	\$2,447.37	\$2,510.77
309.1	2	315,974	618.2	6,785,845	3,685,291.4	\$4,896.31	\$5,023.14
309.2	2	315,976	618.4	6,786,464	3,684,673.0	\$4,897.88	\$5,024.74
309.4	4	315,980	1,237.6	6,787,701	3,683,435.4	\$9,802.04	\$10,055.90
309.6	3	315,983	928.8	6,788,630	3,682,506.6	\$7,356.24	\$7,546.74
309.8	1	315,984	309.8	6,788,940	3,682,196.8	\$2,453.65	\$2,517.18
310	3	315,987	930.0	6,789,870	3,681,266.8	\$7,365.67	\$7,556.37
310.1	4	315,991	1,240.4	6,791,110	3,680,026.4	\$9,824.03	\$10,078.36
310.2	2	315,993	620.4	6,791,731	3,679,406.0	\$4,913.59	\$5,040.79
310.3	3	315,996	930.9	6,792,662	3,678,475.1	\$7,372.73	\$7,563.59
310.4	1	315,997	310.4	6,792,972	3,678,164.7	\$2,458.36	\$2,522.00
310.5	1	315,998	310.5	6,793,283	3,677,854.2	\$2,459.15	\$2,522.80
310.6	1	315,999	310.6	6,793,593	3,677,543.6	\$2,459.93	\$2,523.60

## RATE SCHEDULE N (Commerical/Industrial)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
310.7	2	316,001	621.4	6,794,215	3,676,922.2	\$4,921.44	\$5,048.81
310.9	3	316,004	932.7	6,795,147	3,675,989.5	\$7,386.87	\$7,578.03
311	6	316,010	1,866.0	6,797,013	3,674,123.5	\$14,778.45	\$15,160.87
311.1	1	316,011	311.1	6,797,324	3,673,812.4	\$2,463.86	\$2,527.61
311.2	2	316,013	622.4	6,797,947	3,673,190.0	\$4,929.29	\$5,056.83
311.4	1	316,014	311.4	6,798,258	3,672,878.6	\$2,466.22	\$2,530.02
311.5	5	316,019	1,557.5	6,799,816	3,671,321.1	\$12,335.01	\$12,654.11
311.7	2	316,021	623.4	6,800,439	3,670,697.7	\$4,937.14	\$5,064.85
311.8	4	316,025	1,247.2	6,801,686	3,669,450.5	\$9,877.43	\$10,132.91
311.9	2	316,027	623.8	6,802,310	3,668,826.7	\$4,940.28	\$5,068.06
312	2	316,029	624.0	6,802,934	3,668,202.7	\$4,941.86	\$5,069.67
312.1	3	316,032	936.3	6,803,870	3,667,266.4	\$7,415.14	\$7,606.90
312.2	3	316,035	936.6	6,804,807	3,666,329.8	\$7,417.49	\$7,609.31
312.3	3	316,038	936.9	6,805,744	3,665,392.9	\$7,419.85	\$7,611.72
312.4	4	316,042	1,249.6	6,806,993	3,664,143.3	\$9,896.27	\$10,152.17
312.5	4	316,046	1,250.0	6,808,243	3,662,893.3	\$9,899.42	\$10,155.38
312.6	3	316,049	937.8	6,809,181	3,661,955.5	\$7,426.92	\$7,618.94
312.7	1	316,050	312.7	6,809,494	3,661,642.8	\$2,476.42	\$2,540.45
312.8	2	316,052	625.6	6,810,120	3,661,017.2	\$4,954.42	\$5,082.50
312.9	4	316,056	1,251.6	6,811,371	3,659,765.6	\$9,911.98	\$10,168.21
313	3	316,059	939.0	6,812,310	3,658,826.6	\$7,436.34	\$7,628.56
313.1	3	316,062	939.3	6,813,249	3,657,887.3	\$7,438.70	\$7,630.97
313.2	2	316,064	626.4	6,813,876	3,657,260.9	\$4,960.70	\$5,088.92
313.3	2	316,066	626.6	6,814,502	3,656,634.3	\$4,962.27	\$5,090.52
313.4	1	316,067	313.4	6,814,816	3,656,320.9	\$2,481.92	\$2,546.06
313.5	5	316,072	1,567.5	6,816,383	3,654,753.4	\$12,413.53	\$12,734.33
313.6	1	316,073	313.6	6,816,697	3,654,439.8	\$2,483.49	\$2,547.67
313.7	1	316,074	313.7	6,817,011	3,654,126.1	\$2,484.28	\$2,548.47
313.8	1	316,075	313.8	6,817,324	3,653,812.3	\$2,485.06	\$2,549.27
313.9	4	316,079	1,255.6	6,818,580	3,652,556.7	\$9,943.39	\$10,200.30
314	2	316,081	628.0	6,819,208	3,651,928.7	\$4,973.27	\$5,101.75
314.1	1	316,082	314.1	6,819,522	3,651,614.6	\$2,487.42	\$2,551.68
314.2	1	316,083	314.2	6,819,836	3,651,300.4	\$2,488.20	\$2,552.48
314.3	2	316,085	628.6	6,820,465	3,650,671.8	\$4,977.98	\$5,106.57
314.4	1	316,086	314.4	6,820,779	3,650,357.4	\$2,489.77	\$2,554.09
314.5	2	316,088	629.0	6,821,408	3,649,728.4	\$4,981.12	\$5,109.78
314.7	3	316,091	944.1	6,822,352	3,648,784.3	\$7,476.39	\$7,669.48
314.8	1	316,092	314.8	6,822,667	3,648,469.5	\$2,492.91	\$2,557.29
314.9	1	316,093	314.9	6,822,982	3,648,154.6	\$2,493.70	\$2,558.10
315	7	316,100	2,205.0	6,825,187	3,645,949.6	\$17,461.40	\$17,912.29
315.1	2	316,102	630.2	6,825,817	3,645,319.4	\$4,990.54	\$5,119.40
315.3	2	316,104	630.6	6,826,448	3,644,688.8	\$4,993.68	\$5,122.61
315.4	1	316,105	315.4	6,826,763	3,644,373.4	\$2,497.63	\$2,562.11
315.6	2	316,107	631.2	6,827,395	3,643,742.2	\$4,998.39	\$5,127.42
315.7	3	316,110	947.1	6,828,342	3,642,795.1	\$7,499.95	\$7,693.54
315.8	2	316,112	631.6	6,828,973	3,642,163.5	\$5,001.53	\$5,130.63

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
315.9	2	316,114	631.8	6,829,605	3,641,531.7	\$5,003.10	\$5,132.24
316	3	316,117	948.0	6,830,553	3,640,583.7	\$7,507.01	\$7,700.76
316.1	4	316,121	1,264.4	6,831,817	3,639,319.3	\$10,012.49	\$10,270.89
316.2	1	316,122	316.2	6,832,134	3,639,003.1	\$2,503.91	\$2,568.52
316.3	3	316,125	948.9	6,833,083	3,638,054.2	\$7,514.08	\$7,707.98
316.4	1	316,126	316.4	6,833,399	3,637,737.8	\$2,505.48	\$2,570.13
316.5	2	316,128	633.0	6,834,032	3,637,104.8	\$5,012.53	\$5,141.86
316.7	4	316,132	1,266.8	6,835,299	3,635,838.0	\$10,031.34	\$10,290.14
316.8	5	316,137	1,584.0	6,836,883	3,634,254.0	\$12,543.10	\$12,866.69
317	5	316,142	1,585.0	6,838,468	3,632,669.0	\$12,550.95	\$12,874.71
317.2	2	316,144	634.4	6,839,102	3,632,034.6	\$5,023.52	\$5,153.09
317.3	1	316,145	317.3	6,839,419	3,631,717.3	\$2,512.55	\$2,577.35
317.4	2	316,147	634.8	6,840,054	3,631,082.5	\$5,026.66	\$5,156.30
317.5	2	316,149	635.0	6,840,689	3,630,447.5	\$5,028.23	\$5,157.91
317.6	3	316,152	952.8	6,841,642	3,629,494.7	\$7,544.70	\$7,739.27
317.7	2	316,154	635.4	6,842,277	3,628,859.3	\$5,031.37	\$5,161.12
317.8	3	316,157	953.4	6,843,231	3,627,905.9	\$7,549.42	\$7,744.08
317.9	4	316,161	1,271.6	6,844,502	3,626,634.3	\$10,069.03	\$10,328.65
318	2	316,163	636.0	6,845,138	3,625,998.3	\$5,036.09	\$5,165.93
318.1	1	316,164	318.1	6,845,457	3,625,680.2	\$2,518.83	\$2,583.77
318.2	2	316,166	636.4	6,846,093	3,625,043.8	\$5,039.23	\$5,169.14
318.3	4	316,170	1,273.2	6,847,366	3,623,770.6	\$10,081.59	\$10,341.48
318.4	1	316,171	318.4	6,847,685	3,623,452.2	\$2,521.18	\$2,586.17
318.5	3	316,174	955.5	6,848,640	3,622,496.7	\$7,565.91	\$7,760.93
318.6	1	316,175	318.6	6,848,959	3,622,178.1	\$2,522.75	\$2,587.78
318.7	3	316,178	956.1	6,849,915	3,621,222.0	\$7,570.62	\$7,765.74
318.8	2	316,180	637.6	6,850,552	3,620,584.4	\$5,048.65	\$5,178.76
318.9	1	316,181	318.9	6,850,871	3,620,265.5	\$2,525.11	\$2,590.18
319	2	316,183	638.0	6,851,509	3,619,627.5	\$5,051.79	\$5,181.97
319.1	2	316,185	638.2	6,852,147	3,618,989.3	\$5,053.36	\$5,183.58
319.3	1	316,186	319.3	6,852,467	3,618,670.0	\$2,528.25	\$2,593.39
319.6	2	316,188	639.2	6,853,106	3,618,030.8	\$5,061.21	\$5,191.60
319.8	3	316,191	959.4	6,854,065	3,617,071.4	\$7,596.53	\$7,792.21
319.9	1	316,192	319.9	6,854,385	3,616,751.5	\$2,532.96	\$2,598.21
320	5	316,197	1,600.0	6,855,985	3,615,151.5	\$12,668.74	\$12,995.04
320.1	2	316,199	640.2	6,856,625	3,614,511.3	\$5,069.07	\$5,199.62
320.2	1	316,200	320.2	6,856,946	3,614,191.1	\$2,535.32	\$2,600.61
320.3	2	316,202	640.6	6,857,586	3,613,550.5	\$5,072.21	\$5,202.83
320.4	2	316,204	640.8	6,858,227	3,612,909.7	\$5,073.78	\$5,204.43
320.5	2	316,206	641.0	6,858,868	3,612,268.7	\$5,075.35	\$5,206.04
320.7	2	316,208	641.4	6,859,509	3,611,627.3	\$5,078.49	\$5,209.25
320.8	1	316,209	320.8	6,859,830	3,611,306.5	\$2,540.03	\$2,605.43
320.9	2	316,211	641.8	6,860,472	3,610,664.7	\$5,081.63	\$5,212.46
321	5	316,216	1,605.0	6,862,077	3,609,059.7	\$12,708.00	\$13,035.15
321.2	2	316,218	642.4	6,862,719	3,608,417.3	\$5,086.34	\$5,217.27
321.3	1	316,219	321.3	6,863,041	3,608,096.0	\$2,543.96	\$2,609.44



**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
321.4	5	316,224	1,607.0	6,864,648	3,606,489.0	\$12,723.71	\$13,051.19
321.5	1	316,225	321.5	6,864,969	3,606,167.5	\$2,545.53	\$2,611.04
321.6	3	316,228	964.8	6,865,934	3,605,202.7	\$7,638.93	\$7,835.53
321.7	4	316,232	1,286.8	6,867,221	3,603,915.9	\$10,188.39	\$10,450.58
321.8	1	316,233	321.8	6,867,543	3,603,594.1	\$2,547.88	\$2,613.45
321.9	2	316,235	643.8	6,868,186	3,602,950.3	\$5,097.33	\$5,228.50
322	3	316,238	966.0	6,869,152	3,601,984.3	\$7,648.36	\$7,845.16
322.1	3	316,241	966.3	6,870,119	3,601,018.0	\$7,650.71	\$7,847.56
322.2	4	316,245	1,288.8	6,871,408	3,599,729.2	\$10,204.09	\$10,466.62
322.3	2	316,247	644.6	6,872,052	3,599,084.6	\$5,103.62	\$5,234.92
322.4	1	316,248	322.4	6,872,375	3,598,762.2	\$2,552.59	\$2,618.26
322.5	1	316,249	322.5	6,872,697	3,598,439.7	\$2,553.38	\$2,619.06
322.6	5	316,254	1,613.0	6,874,310	3,596,826.7	\$12,770.82	\$13,099.32
322.7	3	316,257	968.1	6,875,278	3,595,858.6	\$7,664.85	\$7,862.00
322.8	1	316,258	322.8	6,875,601	3,595,535.8	\$2,555.73	\$2,621.47
322.9	1	316,259	322.9	6,875,924	3,595,212.9	\$2,556.52	\$2,622.27
323	4	316,263	1,292.0	6,877,216	3,593,920.9	\$10,229.22	\$10,492.29
323.2	2	316,265	646.4	6,877,862	3,593,274.5	\$5,117.75	\$5,249.36
323.3	1	316,266	323.3	6,878,186	3,592,951.2	\$2,559.66	\$2,625.48
323.6	1	316,267	323.6	6,878,509	3,592,627.6	\$2,562.02	\$2,627.89
323.7	1	316,268	323.7	6,878,833	3,592,303.9	\$2,562.80	\$2,628.69
323.8	4	316,272	1,295.2	6,880,128	3,591,008.7	\$10,254.35	\$10,517.96
323.9	2	316,274	647.8	6,880,776	3,590,360.9	\$5,128.74	\$5,260.59
324	2	316,276	648.0	6,881,424	3,589,712.9	\$5,130.32	\$5,262.19
324.1	3	316,279	972.3	6,882,396	3,588,740.6	\$7,697.83	\$7,895.69
324.2	1	316,280	324.2	6,882,720	3,588,416.4	\$2,566.73	\$2,632.70
324.3	2	316,282	648.6	6,883,369	3,587,767.8	\$5,135.03	\$5,267.00
324.5	2	316,284	649.0	6,884,018	3,587,118.8	\$5,138.17	\$5,270.21
324.6	2	316,286	649.2	6,884,667	3,586,469.6	\$5,139.74	\$5,271.82
324.7	1	316,287	324.7	6,884,992	3,586,144.9	\$2,570.65	\$2,636.71
324.8	2	316,289	649.6	6,885,641	3,585,495.3	\$5,142.88	\$5,275.03
324.9	6	316,295	1,949.4	6,887,591	3,583,545.9	\$15,433.35	\$15,829.89
325	3	316,298	975.0	6,888,566	3,582,570.9	\$7,719.03	\$7,917.35
325.1	1	316,299	325.1	6,888,891	3,582,245.8	\$2,573.80	\$2,639.92
325.2	3	316,302	975.6	6,889,867	3,581,270.2	\$7,723.74	\$7,922.17
325.3	2	316,304	650.6	6,890,517	3,580,619.6	\$5,150.73	\$5,283.05
325.4	2	316,306	650.8	6,891,168	3,579,968.8	\$5,152.30	\$5,284.65
325.6	3	316,309	976.8	6,892,145	3,578,992.0	\$7,733.16	\$7,931.79
325.7	1	316,310	325.7	6,892,470	3,578,666.3	\$2,578.51	\$2,644.73
325.8	2	316,312	651.6	6,893,122	3,578,014.7	\$5,158.58	\$5,291.07
326	3	316,315	978.0	6,894,100	3,577,036.7	\$7,742.59	\$7,941.42
326.1	1	316,316	326.1	6,894,426	3,576,710.6	\$2,581.65	\$2,647.94
326.2	3	316,319	978.6	6,895,405	3,575,732.0	\$7,747.30	\$7,946.23
326.3	1	316,320	326.3	6,895,731	3,575,405.7	\$2,583.22	\$2,649.55
326.5	4	316,324	1,306.0	6,897,037	3,574,099.7	\$10,339.16	\$10,604.60
326.6	3	316,327	979.8	6,898,017	3,573,119.9	\$7,756.72	\$7,955.86

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
326.7	1	316,328	326.7	6,898,344	3,572,793.2	\$2,586.36	\$2,652.75
327	1	316,329	327.0	6,898,671	3,572,466.2	\$2,588.72	\$2,655.16
327.2	3	316,332	981.6	6,899,652	3,571,484.6	\$7,770.86	\$7,970.30
327.3	4	316,336	1,309.2	6,900,961	3,570,175.4	\$10,364.28	\$10,630.27
327.4	2	316,338	654.8	6,901,616	3,569,520.6	\$5,183.71	\$5,316.74
327.5	3	316,341	982.5	6,902,599	3,568,538.1	\$7,777.92	\$7,977.52
327.6	2	316,343	655.2	6,903,254	3,567,882.9	\$5,186.85	\$5,319.95
327.7	3	316,346	983.1	6,904,237	3,566,899.8	\$7,782.64	\$7,982.33
327.8	1	316,347	327.8	6,904,565	3,566,572.0	\$2,595.00	\$2,661.58
327.9	2	316,349	655.8	6,905,221	3,565,916.2	\$5,191.56	\$5,324.76
328	4	316,353	1,312.0	6,906,533	3,564,604.2	\$10,386.27	\$10,652.73
328.1	5	316,358	1,640.5	6,908,173	3,562,963.7	\$12,986.76	\$13,319.93
328.2	3	316,361	984.6	6,909,158	3,561,979.1	\$7,794.41	\$7,994.36
328.3	1	316,362	328.3	6,909,486	3,561,650.8	\$2,598.92	\$2,665.59
328.6	1	316,363	328.6	6,909,815	3,561,322.2	\$2,601.28	\$2,668.00
328.9	3	316,366	986.7	6,910,801	3,560,335.5	\$7,810.90	\$8,011.21
329	5	316,371	1,645.0	6,912,446	3,558,690.5	\$13,022.10	\$13,356.03
329.1	1	316,372	329.1	6,912,775	3,558,361.4	\$2,605.21	\$2,672.01
329.2	4	316,376	1,316.8	6,914,092	3,557,044.6	\$10,423.96	\$10,691.24
329.3	3	316,379	987.9	6,915,080	3,556,056.7	\$7,820.33	\$8,020.84
329.4	2	316,381	658.8	6,915,739	3,555,397.9	\$5,215.12	\$5,348.83
329.5	1	316,382	329.5	6,916,068	3,555,068.4	\$2,608.35	\$2,675.22
329.6	4	316,386	1,318.4	6,917,387	3,553,750.0	\$10,436.53	\$10,704.07
329.7	1	316,387	329.7	6,917,716	3,553,420.3	\$2,609.92	\$2,676.82
329.8	2	316,389	659.6	6,918,376	3,552,760.7	\$5,221.40	\$5,355.25
329.9	3	316,392	989.7	6,919,366	3,551,771.0	\$7,834.46	\$8,035.27
330	2	316,394	660.0	6,920,026	3,551,111.0	\$5,224.55	\$5,358.45
330.2	2	316,396	660.4	6,920,686	3,550,450.6	\$5,227.69	\$5,361.66
330.3	1	316,397	330.3	6,921,016	3,550,120.3	\$2,614.63	\$2,681.63
330.4	1	316,398	330.4	6,921,347	3,549,789.9	\$2,615.41	\$2,682.44
330.5	1	316,399	330.5	6,921,677	3,549,459.4	\$2,616.20	\$2,683.24
330.6	3	316,402	991.8	6,922,669	3,548,467.6	\$7,850.95	\$8,052.12
330.7	4	316,406	1,322.8	6,923,992	3,547,144.8	\$10,471.08	\$10,739.37
330.8	3	316,409	992.4	6,924,984	3,546,152.4	\$7,855.66	\$8,056.93
330.9	1	316,410	330.9	6,925,315	3,545,821.5	\$2,619.34	\$2,686.45
331	7	316,417	2,317.0	6,927,632	3,543,504.5	\$18,340.88	\$18,810.74
331.1	2	316,419	662.2	6,928,294	3,542,842.3	\$5,241.82	\$5,376.10
331.2	2	316,421	662.4	6,928,957	3,542,179.9	\$5,243.39	\$5,377.71
331.3	1	316,422	331.3	6,929,288	3,541,848.6	\$2,622.48	\$2,689.66
331.4	2	316,424	662.8	6,929,951	3,541,185.8	\$5,246.53	\$5,380.92
331.6	1	316,425	331.6	6,930,283	3,540,854.2	\$2,624.84	\$2,692.06
331.7	3	316,428	995.1	6,931,278	3,539,859.1	\$7,876.87	\$8,078.59
331.8	3	316,431	995.4	6,932,273	3,538,863.7	\$7,879.22	\$8,081.00
331.9	1	316,432	331.9	6,932,605	3,538,531.8	\$2,627.19	\$2,694.47
332	6	316,438	1,992.0	6,934,597	3,536,539.8	\$15,767.87	\$16,171.62
332.1	3	316,441	996.3	6,935,593	3,535,543.5	\$7,886.29	\$8,088.22

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
332.2	2	316,443	664.4	6,936,258	3,534,879.1	\$5,259.10	\$5,393.75
332.3	3	316,446	996.9	6,937,255	3,533,882.2	\$7,891.00	\$8,093.03
332.5	2	316,448	665.0	6,937,920	3,533,217.2	\$5,263.81	\$5,398.56
332.7	4	316,452	1,330.8	6,939,250	3,531,886.4	\$10,533.90	\$10,803.54
332.9	2	316,454	665.8	6,939,916	3,531,220.6	\$5,270.09	\$5,404.98
333	7	316,461	2,331.0	6,942,247	3,528,889.6	\$18,450.81	\$18,923.05
333.1	1	316,462	333.1	6,942,580	3,528,556.5	\$2,636.62	\$2,704.09
333.2	2	316,464	666.4	6,943,247	3,527,890.1	\$5,274.80	\$5,409.79
333.3	1	316,465	333.3	6,943,580	3,527,556.8	\$2,638.19	\$2,705.70
333.4	2	316,467	666.8	6,944,247	3,526,890.0	\$5,277.94	\$5,413.00
333.5	2	316,469	667.0	6,944,914	3,526,223.0	\$5,279.51	\$5,414.61
333.6	1	316,470	333.6	6,945,247	3,525,889.4	\$2,640.54	\$2,708.11
333.7	2	316,472	667.4	6,945,915	3,525,222.0	\$5,282.65	\$5,417.82
333.8	2	316,474	667.6	6,946,582	3,524,554.4	\$5,284.22	\$5,419.42
334	1	316,475	334.0	6,946,916	3,524,220.4	\$2,643.68	\$2,711.31
334.1	2	316,477	668.2	6,947,585	3,523,552.2	\$5,288.94	\$5,424.23
334.2	3	316,480	1,002.6	6,948,587	3,522,549.6	\$7,935.76	\$8,138.76
334.3	1	316,481	334.3	6,948,921	3,522,215.3	\$2,646.04	\$2,713.72
334.4	1	316,482	334.4	6,949,256	3,521,880.9	\$2,646.82	\$2,714.52
334.5	1	316,483	334.5	6,949,590	3,521,546.4	\$2,647.61	\$2,715.33
334.6	2	316,485	669.2	6,950,260	3,520,877.2	\$5,296.79	\$5,432.26
334.8	3	316,488	1,004.4	6,951,264	3,519,872.8	\$7,949.89	\$8,153.20
334.9	4	316,492	1,339.6	6,952,604	3,518,533.2	\$10,603.00	\$10,874.14
335	2	316,494	670.0	6,953,274	3,517,863.2	\$5,303.07	\$5,438.67
335.2	2	316,496	670.4	6,953,944	3,517,192.8	\$5,306.21	\$5,441.88
335.3	1	316,497	335.3	6,954,279	3,516,857.5	\$2,653.89	\$2,721.74
335.4	3	316,500	1,006.2	6,955,285	3,515,851.3	\$7,964.03	\$8,167.64
335.5	4	316,504	1,342.0	6,956,627	3,514,509.3	\$10,621.85	\$10,893.39
335.7	2	316,506	671.4	6,957,299	3,513,837.9	\$5,314.06	\$5,449.90
335.9	8	316,514	2,687.2	6,959,986	3,511,150.7	\$21,268.82	\$21,812.45
336	2	316,516	672.0	6,960,658	3,510,478.7	\$5,318.78	\$5,454.72
336.1	4	316,520	1,344.4	6,962,002	3,509,134.3	\$10,640.69	\$10,912.64
336.2	1	316,521	336.2	6,962,339	3,508,798.1	\$2,660.96	\$2,728.96
336.3	4	316,525	1,345.2	6,963,684	3,507,452.9	\$10,646.97	\$10,919.06
336.4	3	316,528	1,009.2	6,964,693	3,506,443.7	\$7,987.59	\$8,191.70
336.5	2	316,530	673.0	6,965,366	3,505,770.7	\$5,326.63	\$5,462.74
336.6	3	316,533	1,009.8	6,966,376	3,504,760.9	\$7,992.30	\$8,196.51
336.7	2	316,535	673.4	6,967,049	3,504,087.5	\$5,329.77	\$5,465.95
336.8	3	316,538	1,010.4	6,968,060	3,503,077.1	\$7,997.01	\$8,201.33
336.9	2	316,540	673.8	6,968,733	3,502,403.3	\$5,332.91	\$5,469.16
337	2	316,542	674.0	6,969,407	3,501,729.3	\$5,334.48	\$5,470.76
337.1	2	316,544	674.2	6,970,082	3,501,055.1	\$5,336.05	\$5,472.36
337.2	1	316,545	337.2	6,970,419	3,500,717.9	\$2,668.81	\$2,736.98
337.3	2	316,547	674.6	6,971,093	3,500,043.3	\$5,339.19	\$5,475.57
337.4	4	316,551	1,349.6	6,972,443	3,498,693.7	\$10,681.52	\$10,954.36
337.5	1	316,552	337.5	6,972,781	3,498,356.2	\$2,671.17	\$2,739.39

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
337.6	1	316,553	337.6	6,973,118	3,498,018.6	\$2,671.95	\$2,740.19
337.7	1	316,554	337.7	6,973,456	3,497,680.9	\$2,672.74	\$2,741.00
337.8	1	316,555	337.8	6,973,794	3,497,343.1	\$2,673.52	\$2,741.80
337.9	3	316,558	1,013.7	6,974,807	3,496,329.4	\$8,022.92	\$8,227.80
338	3	316,561	1,014.0	6,975,821	3,495,315.4	\$8,025.28	\$8,230.21
338.2	2	316,563	676.4	6,976,498	3,494,639.0	\$5,353.33	\$5,490.01
338.3	2	316,565	676.6	6,977,174	3,493,962.4	\$5,354.90	\$5,491.62
338.4	4	316,569	1,353.6	6,978,528	3,492,608.8	\$10,712.93	\$10,986.44
338.5	1	316,570	338.5	6,978,866	3,492,270.3	\$2,679.02	\$2,747.41
338.6	2	316,572	677.2	6,979,544	3,491,593.1	\$5,359.61	\$5,496.43
338.7	1	316,573	338.7	6,979,882	3,491,254.4	\$2,680.59	\$2,749.02
338.8	2	316,575	677.6	6,980,560	3,490,576.8	\$5,362.75	\$5,499.64
339	5	316,580	1,695.0	6,982,255	3,488,881.8	\$13,414.73	\$13,757.12
339.1	4	316,584	1,356.4	6,983,611	3,487,525.4	\$10,734.92	\$11,008.91
339.2	1	316,585	339.2	6,983,951	3,487,186.2	\$2,684.52	\$2,753.03
339.4	1	316,586	339.4	6,984,290	3,486,846.8	\$2,686.09	\$2,754.63
339.5	2	316,588	679.0	6,984,969	3,486,167.8	\$5,373.74	\$5,510.87
339.6	2	316,590	679.2	6,985,648	3,485,488.6	\$5,375.31	\$5,512.47
339.7	2	316,592	679.4	6,986,328	3,484,809.2	\$5,376.88	\$5,514.08
339.9	3	316,595	1,019.7	6,987,347	3,483,789.5	\$8,070.04	\$8,275.93
340	5	316,600	1,700.0	6,989,047	3,482,089.5	\$13,453.99	\$13,797.23
340.2	2	316,602	680.4	6,989,728	3,481,409.1	\$5,384.74	\$5,522.10
340.3	1	316,603	340.3	6,990,068	3,481,068.8	\$2,693.15	\$2,761.85
340.4	1	316,604	340.4	6,990,408	3,480,728.4	\$2,693.94	\$2,762.65
340.7	2	316,606	681.4	6,991,090	3,480,047.0	\$5,392.59	\$5,530.12
340.8	1	316,607	340.8	6,991,431	3,479,706.2	\$2,697.08	\$2,765.86
340.9	1	316,608	340.9	6,991,771	3,479,365.3	\$2,697.86	\$2,766.67
341	5	316,613	1,705.0	6,993,476	3,477,660.3	\$13,493.25	\$13,837.34
341.1	1	316,614	341.1	6,993,818	3,477,319.2	\$2,699.44	\$2,768.27
341.5	2	316,616	683.0	6,994,501	3,476,636.2	\$5,405.15	\$5,542.96
341.6	6	316,622	2,049.6	6,996,550	3,474,586.6	\$16,220.17	\$16,633.69
341.8	2	316,624	683.6	6,997,234	3,473,903.0	\$5,409.86	\$5,547.77
342	3	316,627	1,026.0	6,998,260	3,472,877.0	\$8,119.51	\$8,326.47
342.1	2	316,629	684.2	6,998,944	3,472,192.8	\$5,414.58	\$5,552.58
342.3	2	316,631	684.6	6,999,629	3,471,508.2	\$5,417.72	\$5,555.79
342.4	1	316,632	342.4	6,999,971	3,471,165.8	\$2,709.64	\$2,778.70
342.5	2	316,634	685.0	7,000,656	3,470,480.8	\$5,420.86	\$5,559.00
342.6	1	316,635	342.6	7,000,999	3,470,138.2	\$2,711.21	\$2,780.30
342.8	3	316,638	1,028.4	7,002,027	3,469,109.8	\$8,138.35	\$8,345.72
343	1	316,639	343.0	7,002,370	3,468,766.8	\$2,714.36	\$2,783.51
343.1	2	316,641	686.2	7,003,056	3,468,080.6	\$5,430.28	\$5,568.63
343.2	2	316,643	686.4	7,003,743	3,467,394.2	\$5,431.85	\$5,570.23
343.3	3	316,646	1,029.9	7,004,772	3,466,364.3	\$8,150.13	\$8,357.75
343.4	1	316,647	343.4	7,005,116	3,466,020.9	\$2,717.50	\$2,786.72
343.5	1	316,648	343.5	7,005,459	3,465,677.4	\$2,718.28	\$2,787.52
343.6	3	316,651	1,030.8	7,006,490	3,464,646.6	\$8,157.20	\$8,364.97

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
343.7	3	316,654	1,031.1	7,007,521	3,463,615.5	\$8,159.56	\$8,367.38
343.8	2	316,656	687.6	7,008,209	3,462,927.9	\$5,441.27	\$5,579.86
344	6	316,662	2,064.0	7,010,273	3,460,863.9	\$16,333.25	\$16,749.20
344.1	3	316,665	1,032.3	7,011,305	3,459,831.6	\$8,168.98	\$8,377.01
344.2	1	316,666	344.2	7,011,649	3,459,487.4	\$2,723.78	\$2,793.14
344.6	2	316,668	689.2	7,012,339	3,458,798.2	\$5,453.84	\$5,592.69
344.7	2	316,670	689.4	7,013,028	3,458,108.8	\$5,455.41	\$5,594.30
344.8	2	316,672	689.6	7,013,718	3,457,419.2	\$5,456.98	\$5,595.90
344.9	2	316,674	689.8	7,014,407	3,456,729.4	\$5,458.55	\$5,597.51
345	2	316,676	690.0	7,015,097	3,456,039.4	\$5,460.12	\$5,599.11
345.1	6	316,682	2,070.6	7,017,168	3,453,968.8	\$16,385.07	\$16,802.15
345.2	2	316,684	690.4	7,017,858	3,453,278.4	\$5,463.26	\$5,602.32
345.3	6	316,690	2,071.8	7,019,930	3,451,206.6	\$16,394.49	\$16,811.77
345.4	1	316,691	345.4	7,020,276	3,450,861.2	\$2,733.20	\$2,802.76
345.6	1	316,692	345.6	7,020,621	3,450,515.6	\$2,734.77	\$2,804.37
345.7	1	316,693	345.7	7,020,967	3,450,169.9	\$2,735.56	\$2,805.17
345.8	2	316,695	691.6	7,021,658	3,449,478.3	\$5,472.68	\$5,611.95
346	5	316,700	1,730.0	7,023,388	3,447,748.3	\$13,689.56	\$14,037.89
346.1	8	316,708	2,768.8	7,026,157	3,444,979.5	\$21,909.58	\$22,467.04
346.2	1	316,709	346.2	7,026,503	3,444,633.3	\$2,739.48	\$2,809.18
346.3	1	316,710	346.3	7,026,850	3,444,287.0	\$2,740.27	\$2,809.98
346.4	1	316,711	346.4	7,027,196	3,443,940.6	\$2,741.05	\$2,810.79
346.6	3	316,714	1,039.8	7,028,236	3,442,900.8	\$8,227.87	\$8,437.17
346.7	1	316,715	346.7	7,028,583	3,442,554.1	\$2,743.41	\$2,813.19
346.9	2	316,717	693.8	7,029,276	3,441,860.3	\$5,489.96	\$5,629.59
347	5	316,722	1,735.0	7,031,011	3,440,125.3	\$13,728.83	\$14,078.00
347.2	1	316,723	347.2	7,031,359	3,439,778.1	\$2,747.34	\$2,817.20
347.3	3	316,726	1,041.9	7,032,401	3,438,736.2	\$8,244.36	\$8,454.02
347.5	3	316,729	1,042.5	7,033,443	3,437,693.7	\$8,249.07	\$8,458.83
347.6	1	316,730	347.6	7,033,791	3,437,346.1	\$2,750.48	\$2,820.41
347.7	2	316,732	695.4	7,034,486	3,436,650.7	\$5,502.52	\$5,642.43
347.9	1	316,733	347.9	7,034,834	3,436,302.8	\$2,752.83	\$2,822.82
348	2	316,735	696.0	7,035,530	3,435,606.8	\$5,507.24	\$5,647.24
348.1	5	316,740	1,740.5	7,037,270	3,433,866.3	\$13,772.01	\$14,122.12
348.3	1	316,741	348.3	7,037,619	3,433,518.0	\$2,755.97	\$2,826.03
348.4	1	316,742	348.4	7,037,967	3,433,169.6	\$2,756.76	\$2,826.83
348.6	2	316,744	697.2	7,038,664	3,432,472.4	\$5,516.66	\$5,656.87
348.7	1	316,745	348.7	7,039,013	3,432,123.7	\$2,759.11	\$2,829.24
348.8	1	316,746	348.8	7,039,362	3,431,774.9	\$2,759.90	\$2,830.04
348.9	1	316,747	348.9	7,039,711	3,431,426.0	\$2,760.68	\$2,830.84
349	6	316,753	2,094.0	7,041,805	3,429,332.0	\$16,568.82	\$16,989.86
349.1	3	316,756	1,047.3	7,042,852	3,428,284.7	\$8,286.77	\$8,497.34
349.2	2	316,758	698.4	7,043,550	3,427,586.3	\$5,526.08	\$5,666.49
349.4	3	316,761	1,048.2	7,044,599	3,426,538.1	\$8,293.83	\$8,504.56
349.7	3	316,764	1,049.1	7,045,648	3,425,489.0	\$8,300.90	\$8,511.78
349.8	1	316,765	349.8	7,045,998	3,425,139.2	\$2,767.75	\$2,838.06

## RATE SCHEDULE N (Commerical/Industrial)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
350	5	316,770	1,750.0	7,047,748	3,423,389.2	\$13,846.61	\$14,198.33
350.1	2	316,772	700.2	7,048,448	3,422,689.0	\$5,540.22	\$5,680.93
350.2	1	316,773	350.2	7,048,798	3,422,338.8	\$2,770.89	\$2,841.27
350.3	2	316,775	700.6	7,049,499	3,421,638.2	\$5,543.36	\$5,684.14
350.7	2	316,777	701.4	7,050,200	3,420,936.8	\$5,549.64	\$5,690.56
350.8	1	316,778	350.8	7,050,551	3,420,586.0	\$2,775.60	\$2,846.08
350.9	3	316,781	1,052.7	7,051,603	3,419,533.3	\$8,329.17	\$8,540.65
351	3	316,784	1,053.0	7,052,656	3,418,480.3	\$8,331.53	\$8,543.06
351.1	1	316,785	351.1	7,053,008	3,418,129.2	\$2,777.96	\$2,848.49
351.3	2	316,787	702.6	7,053,710	3,417,426.6	\$5,559.06	\$5,700.19
351.5	1	316,788	351.5	7,054,062	3,417,075.1	\$2,781.10	\$2,851.70
351.8	3	316,791	1,055.4	7,055,117	3,416,019.7	\$8,350.37	\$8,562.31
351.9	3	316,794	1,055.7	7,056,173	3,414,964.0	\$8,352.73	\$8,564.72
352	3	316,797	1,056.0	7,057,229	3,413,908.0	\$8,355.08	\$8,567.13
352.1	1	316,798	352.1	7,057,581	3,413,555.9	\$2,785.81	\$2,856.51
352.2	1	316,799	352.2	7,057,933	3,413,203.7	\$2,786.60	\$2,857.31
352.3	3	316,802	1,056.9	7,058,990	3,412,146.8	\$8,362.15	\$8,574.35
352.4	1	316,803	352.4	7,059,342	3,411,794.4	\$2,788.17	\$2,858.92
352.5	1	316,804	352.5	7,059,695	3,411,441.9	\$2,788.95	\$2,859.72
352.6	2	316,806	705.2	7,060,400	3,410,736.7	\$5,579.48	\$5,721.04
352.7	1	316,807	352.7	7,060,753	3,410,384.0	\$2,790.52	\$2,861.32
352.8	2	316,809	705.6	7,061,458	3,409,678.4	\$5,582.62	\$5,724.25
353	1	316,810	353.0	7,061,811	3,409,325.4	\$2,792.88	\$2,863.73
353.1	1	316,811	353.1	7,062,164	3,408,972.3	\$2,793.67	\$2,864.53
353.3	1	316,812	353.3	7,062,518	3,408,619.0	\$2,795.24	\$2,866.14
353.4	1	316,813	353.4	7,062,871	3,408,265.6	\$2,796.02	\$2,866.94
353.6	2	316,815	707.2	7,063,578	3,407,558.4	\$5,595.18	\$5,737.09
353.7	1	316,816	353.7	7,063,932	3,407,204.7	\$2,798.38	\$2,869.35
353.8	3	316,819	1,061.4	7,064,993	3,406,143.3	\$8,397.49	\$8,610.44
353.9	2	316,821	707.8	7,065,701	3,405,435.5	\$5,599.89	\$5,741.90
354	1	316,822	354.0	7,066,055	3,405,081.5	\$2,800.73	\$2,871.75
354.2	2	316,824	708.4	7,066,764	3,404,373.1	\$5,604.61	\$5,746.71
354.3	4	316,828	1,417.2	7,068,181	3,402,955.9	\$11,212.35	\$11,496.64
354.4	1	316,829	354.4	7,068,535	3,402,601.5	\$2,803.87	\$2,874.96
354.6	5	316,834	1,773.0	7,070,308	3,400,828.5	\$14,027.22	\$14,382.83
354.7	2	316,836	709.4	7,071,018	3,400,119.1	\$5,612.46	\$5,754.74
354.8	1	316,837	354.8	7,071,372	3,399,764.3	\$2,807.01	\$2,878.17
354.9	2	316,839	709.8	7,072,082	3,399,054.5	\$5,615.60	\$5,757.94
355	2	316,841	710.0	7,072,792	3,398,344.5	\$5,617.17	\$5,759.55
355.2	4	316,845	1,420.8	7,074,213	3,396,923.7	\$11,240.62	\$11,525.52
355.3	1	316,846	355.3	7,074,568	3,396,568.4	\$2,810.94	\$2,882.18
355.8	1	316,847	355.8	7,074,924	3,396,212.6	\$2,814.87	\$2,886.19
355.9	1	316,848	355.9	7,075,280	3,395,856.7	\$2,815.65	\$2,886.99
356	3	316,851	1,068.0	7,076,348	3,394,788.7	\$8,449.31	\$8,663.39
356.2	1	316,852	356.2	7,076,704	3,394,432.5	\$2,818.01	\$2,889.40
356.5	1	316,853	356.5	7,077,061	3,394,076.0	\$2,820.36	\$2,891.81

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
357	4	316,857	1,428.0	7,078,489	3,392,648.0	\$11,297.16	\$11,583.27
357.1	1	316,858	357.1	7,078,846	3,392,290.9	\$2,825.08	\$2,896.62
357.2	2	316,860	714.4	7,079,560	3,391,576.5	\$5,651.72	\$5,794.85
357.3	3	316,863	1,071.9	7,080,632	3,390,504.6	\$8,479.94	\$8,694.67
357.4	2	316,865	714.8	7,081,347	3,389,789.8	\$5,654.86	\$5,798.05
357.5	2	316,867	715.0	7,082,062	3,389,074.8	\$5,656.43	\$5,799.66
357.8	1	316,868	357.8	7,082,420	3,388,717.0	\$2,830.57	\$2,902.24
357.9	2	316,870	715.8	7,083,136	3,388,001.2	\$5,662.71	\$5,806.08
358	7	316,877	2,506.0	7,085,642	3,385,495.2	\$19,825.00	\$20,326.88
358.1	1	316,878	358.1	7,086,000	3,385,137.1	\$2,832.93	\$2,904.64
358.3	2	316,880	716.6	7,086,716	3,384,420.5	\$5,669.00	\$5,812.49
358.5	1	316,881	358.5	7,087,075	3,384,062.0	\$2,836.07	\$2,907.85
359	3	316,884	1,077.0	7,088,152	3,382,985.0	\$8,519.99	\$8,735.59
359.1	1	316,885	359.1	7,088,511	3,382,625.9	\$2,840.78	\$2,912.66
359.2	1	316,886	359.2	7,088,870	3,382,266.7	\$2,841.57	\$2,913.47
359.4	2	316,888	718.8	7,089,589	3,381,547.9	\$5,686.27	\$5,830.14
359.5	1	316,889	359.5	7,089,948	3,381,188.4	\$2,843.92	\$2,915.87
359.6	1	316,890	359.6	7,090,308	3,380,828.8	\$2,844.71	\$2,916.68
359.7	1	316,891	359.7	7,090,668	3,380,469.1	\$2,845.49	\$2,917.48
360	6	316,897	2,160.0	7,092,828	3,378,309.1	\$17,087.09	\$17,519.30
360.1	2	316,899	720.2	7,093,548	3,377,588.9	\$5,697.27	\$5,841.37
360.2	2	316,901	720.4	7,094,268	3,376,868.5	\$5,698.84	\$5,842.98
360.3	4	316,905	1,441.2	7,095,709	3,375,427.3	\$11,400.81	\$11,689.16
360.4	1	316,906	360.4	7,096,070	3,375,066.9	\$2,850.99	\$2,923.09
360.6	1	316,907	360.6	7,096,430	3,374,706.3	\$2,852.56	\$2,924.70
360.8	1	316,908	360.8	7,096,791	3,374,345.5	\$2,854.13	\$2,926.30
360.9	2	316,910	721.8	7,097,513	3,373,623.7	\$5,709.83	\$5,854.21
361	5	316,915	1,805.0	7,099,318	3,371,818.7	\$14,278.50	\$14,639.53
361.1	3	316,918	1,083.3	7,100,401	3,370,735.4	\$8,569.46	\$8,786.12
361.2	1	316,919	361.2	7,100,763	3,370,374.2	\$2,857.27	\$2,929.51
361.4	4	316,923	1,445.6	7,102,208	3,368,928.6	\$11,435.36	\$11,724.46
361.5	1	316,924	361.5	7,102,570	3,368,567.1	\$2,859.63	\$2,931.92
361.6	2	316,926	723.2	7,103,293	3,367,843.9	\$5,720.82	\$5,865.44
361.7	1	316,927	361.7	7,103,655	3,367,482.2	\$2,861.20	\$2,933.52
362	1	316,928	362.0	7,104,017	3,367,120.2	\$2,863.55	\$2,935.93
362.2	1	316,929	362.2	7,104,379	3,366,758.0	\$2,865.12	\$2,937.53
362.3	2	316,931	724.6	7,105,103	3,366,033.4	\$5,731.82	\$5,876.67
362.4	2	316,933	724.8	7,105,828	3,365,308.6	\$5,733.39	\$5,878.27
362.5	3	316,936	1,087.5	7,106,916	3,364,221.1	\$8,602.44	\$8,819.82
362.6	1	316,937	362.6	7,107,278	3,363,858.5	\$2,868.26	\$2,940.74
362.8	3	316,940	1,088.4	7,108,367	3,362,770.1	\$8,609.50	\$8,827.04
362.9	3	316,943	1,088.7	7,109,455	3,361,681.4	\$8,611.86	\$8,829.44
363	2	316,945	726.0	7,110,181	3,360,955.4	\$5,742.81	\$5,887.90
363.1	1	316,946	363.1	7,110,544	3,360,592.3	\$2,872.19	\$2,944.75
363.3	2	316,948	726.6	7,111,271	3,359,865.7	\$5,747.52	\$5,892.71
363.4	1	316,949	363.4	7,111,634	3,359,502.3	\$2,874.55	\$2,947.16

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
363.5	1	316,950	363.5	7,111,998	3,359,138.8	\$2,875.33	\$2,947.96
363.6	1	316,951	363.6	7,112,362	3,358,775.2	\$2,876.12	\$2,948.76
363.7	3	316,954	1,091.1	7,113,453	3,357,684.1	\$8,630.71	\$8,848.70
364	1	316,955	364.0	7,113,817	3,357,320.1	\$2,879.26	\$2,951.97
364.1	1	316,956	364.1	7,114,181	3,356,956.0	\$2,880.04	\$2,952.77
364.2	3	316,959	1,092.6	7,115,273	3,355,863.4	\$8,642.48	\$8,860.73
364.3	2	316,961	728.6	7,116,002	3,355,134.8	\$5,763.23	\$5,908.76
364.4	1	316,962	364.4	7,116,366	3,354,770.4	\$2,882.40	\$2,955.18
364.6	1	316,963	364.6	7,116,731	3,354,405.8	\$2,883.97	\$2,956.78
365	2	316,965	730.0	7,117,461	3,353,675.8	\$5,774.22	\$5,919.99
365.1	2	316,967	730.2	7,118,191	3,352,945.6	\$5,775.79	\$5,921.59
365.2	1	316,968	365.2	7,118,556	3,352,580.4	\$2,888.68	\$2,961.60
365.3	3	316,971	1,095.9	7,119,652	3,351,484.5	\$8,668.40	\$8,887.20
365.4	3	316,974	1,096.2	7,120,748	3,350,388.3	\$8,670.75	\$8,889.61
365.5	1	316,975	365.5	7,121,114	3,350,022.8	\$2,891.04	\$2,964.00
365.6	1	316,976	365.6	7,121,480	3,349,657.2	\$2,891.82	\$2,964.81
365.7	4	316,980	1,462.8	7,122,942	3,348,194.4	\$11,570.43	\$11,862.44
365.8	5	316,985	1,829.0	7,124,771	3,346,365.4	\$14,466.96	\$14,832.06
366	2	316,987	732.0	7,125,503	3,345,633.4	\$5,789.93	\$5,936.03
366.1	2	316,989	732.2	7,126,236	3,344,901.2	\$5,791.50	\$5,937.64
366.2	2	316,991	732.4	7,126,968	3,344,168.8	\$5,793.07	\$5,939.24
366.3	1	316,992	366.3	7,127,334	3,343,802.5	\$2,897.32	\$2,970.42
366.4	4	316,996	1,465.6	7,128,800	3,342,336.9	\$11,592.41	\$11,884.90
366.5	1	316,997	366.5	7,129,166	3,341,970.4	\$2,898.89	\$2,972.03
366.7	1	316,998	366.7	7,129,533	3,341,603.7	\$2,900.46	\$2,973.63
366.8	2	317,000	733.6	7,130,267	3,340,870.1	\$5,802.49	\$5,948.87
366.9	3	317,003	1,100.7	7,131,367	3,339,769.4	\$8,706.09	\$8,925.71
367	5	317,008	1,835.0	7,133,202	3,337,934.4	\$14,514.08	\$14,880.19
367.1	2	317,010	734.2	7,133,937	3,337,200.2	\$5,807.20	\$5,953.68
367.2	1	317,011	367.2	7,134,304	3,336,833.0	\$2,904.39	\$2,977.64
367.3	1	317,012	367.3	7,134,671	3,336,465.7	\$2,905.17	\$2,978.44
367.4	2	317,014	734.8	7,135,406	3,335,730.9	\$5,811.91	\$5,958.49
367.6	1	317,015	367.6	7,135,773	3,335,363.3	\$2,907.53	\$2,980.85
367.7	2	317,017	735.4	7,136,509	3,334,627.9	\$5,816.62	\$5,963.31
367.8	1	317,018	367.8	7,136,877	3,334,260.1	\$2,909.10	\$2,982.45
367.9	1	317,019	367.9	7,137,245	3,333,892.2	\$2,909.88	\$2,983.26
368	2	317,021	736.0	7,137,981	3,333,156.2	\$5,821.34	\$5,968.12
368.1	1	317,022	368.1	7,138,349	3,332,788.1	\$2,911.45	\$2,984.86
368.4	2	317,024	736.8	7,139,085	3,332,051.3	\$5,827.62	\$5,974.54
368.6	1	317,025	368.6	7,139,454	3,331,682.7	\$2,915.38	\$2,988.87
368.7	2	317,027	737.4	7,140,191	3,330,945.3	\$5,832.33	\$5,979.35
368.8	4	317,031	1,475.2	7,141,667	3,329,470.1	\$11,667.80	\$11,961.91
368.9	2	317,033	737.8	7,142,404	3,328,732.3	\$5,835.47	\$5,982.56
369.3	3	317,036	1,107.9	7,143,512	3,327,624.4	\$8,762.63	\$8,983.46
369.4	1	317,037	369.4	7,143,882	3,327,255.0	\$2,921.66	\$2,995.29
369.6	1	317,038	369.6	7,144,251	3,326,885.4	\$2,923.23	\$2,996.89



## RATE SCHEDULE N (Commerical/Industrial)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
369.8	1	317,039	369.8	7,144,621	3,326,515.6	\$2,924.80	\$2,998.50
369.9	2	317,041	739.8	7,145,361	3,325,775.8	\$5,851.17	\$5,998.60
370	3	317,044	1,110.0	7,146,471	3,324,665.8	\$8,779.12	\$9,000.31
370.1	2	317,046	740.2	7,147,211	3,323,925.6	\$5,854.32	\$6,001.81
370.2	1	317,047	370.2	7,147,581	3,323,555.4	\$2,927.94	\$3,001.71
370.3	2	317,049	740.6	7,148,322	3,322,814.8	\$5,857.46	\$6,005.02
370.4	2	317,051	740.8	7,149,063	3,322,074.0	\$5,859.03	\$6,006.62
370.5	1	317,052	370.5	7,149,433	3,321,703.5	\$2,930.30	\$3,004.11
370.6	2	317,054	741.2	7,150,174	3,320,962.3	\$5,862.17	\$6,009.83
370.7	2	317,056	741.4	7,150,916	3,320,220.9	\$5,863.74	\$6,011.44
370.8	1	317,057	370.8	7,151,287	3,319,850.1	\$2,932.65	\$3,006.52
371.1	1	317,058	371.1	7,151,658	3,319,479.0	\$2,935.01	\$3,008.93
371.2	2	317,060	742.4	7,152,400	3,318,736.6	\$5,871.59	\$6,019.46
371.4	4	317,064	1,485.6	7,153,886	3,317,251.0	\$11,749.46	\$12,045.33
371.6	2	317,066	743.2	7,154,629	3,316,507.8	\$5,877.87	\$6,025.88
372	1	317,067	372.0	7,155,001	3,316,135.8	\$2,942.08	\$3,016.15
372.1	1	317,068	372.1	7,155,373	3,315,763.7	\$2,942.86	\$3,016.95
372.3	2	317,070	744.6	7,156,118	3,315,019.1	\$5,888.87	\$6,037.11
372.4	1	317,071	372.4	7,156,490	3,314,646.7	\$2,945.22	\$3,019.36
372.6	3	317,074	1,117.8	7,157,608	3,313,528.9	\$8,840.37	\$9,062.88
372.7	2	317,076	745.4	7,158,353	3,312,783.5	\$5,895.15	\$6,043.52
372.8	1	317,077	372.8	7,158,726	3,312,410.7	\$2,948.36	\$3,022.56
373	3	317,080	1,119.0	7,159,845	3,311,291.7	\$8,849.79	\$9,072.51
373.1	2	317,082	746.2	7,160,591	3,310,545.5	\$5,901.43	\$6,049.94
373.2	3	317,085	1,119.6	7,161,711	3,309,425.9	\$8,854.50	\$9,077.32
373.3	1	317,086	373.3	7,162,084	3,309,052.6	\$2,952.29	\$3,026.58
373.5	1	317,087	373.5	7,162,458	3,308,679.1	\$2,953.86	\$3,028.18
373.6	1	317,088	373.6	7,162,831	3,308,305.5	\$2,954.64	\$3,028.98
373.7	2	317,090	747.4	7,163,579	3,307,558.1	\$5,910.85	\$6,059.57
373.9	2	317,092	747.8	7,164,326	3,306,810.3	\$5,913.99	\$6,062.78
374	4	317,096	1,496.0	7,165,822	3,305,314.3	\$11,831.13	\$12,128.76
374.1	1	317,097	374.1	7,166,197	3,304,940.2	\$2,958.57	\$3,032.99
374.3	1	317,098	374.3	7,166,571	3,304,565.9	\$2,960.14	\$3,034.60
374.4	1	317,099	374.4	7,166,945	3,304,191.5	\$2,960.92	\$3,035.40
374.6	1	317,100	374.6	7,167,320	3,303,816.9	\$2,962.49	\$3,037.00
374.8	1	317,101	374.8	7,167,695	3,303,442.1	\$2,964.06	\$3,038.61
374.9	1	317,102	374.9	7,168,070	3,303,067.2	\$2,964.85	\$3,039.41
375	2	317,104	750.0	7,168,820	3,302,317.2	\$5,931.27	\$6,080.43
375.1	2	317,106	750.2	7,169,570	3,301,567.0	\$5,932.84	\$6,082.03
375.2	1	317,107	375.2	7,169,945	3,301,191.8	\$2,967.21	\$3,041.82
375.5	3	317,110	1,126.5	7,171,071	3,300,065.3	\$8,908.68	\$9,132.67
375.7	1	317,111	375.7	7,171,447	3,299,689.6	\$2,971.13	\$3,045.83
375.8	3	317,114	1,127.4	7,172,575	3,298,562.2	\$8,915.75	\$9,139.89
376	3	317,117	1,128.0	7,173,703	3,297,434.2	\$8,920.46	\$9,144.70
376.1	1	317,118	376.1	7,174,079	3,297,058.1	\$2,974.27	\$3,049.04
376.3	2	317,120	752.6	7,174,831	3,296,305.5	\$5,951.69	\$6,101.28

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
376.4	1	317,121	376.4	7,175,208	3,295,929.1	\$2,976.63	\$3,051.44
376.5	1	317,122	376.5	7,175,584	3,295,552.6	\$2,977.41	\$3,052.25
376.6	2	317,124	753.2	7,176,337	3,294,799.4	\$5,956.40	\$6,106.10
376.7	1	317,125	376.7	7,176,714	3,294,422.7	\$2,978.98	\$3,053.85
377	4	317,129	1,508.0	7,178,222	3,292,914.7	\$11,925.36	\$12,225.03
377.1	3	317,132	1,131.3	7,179,353	3,291,783.4	\$8,946.38	\$9,171.18
377.2	1	317,133	377.2	7,179,731	3,291,406.2	\$2,982.91	\$3,057.86
377.3	1	317,134	377.3	7,180,108	3,291,028.9	\$2,983.70	\$3,058.66
377.4	3	317,137	1,132.2	7,181,240	3,289,896.7	\$8,953.44	\$9,178.40
377.6	1	317,138	377.6	7,181,618	3,289,519.1	\$2,986.05	\$3,061.07
377.7	3	317,141	1,133.1	7,182,751	3,288,386.0	\$8,960.51	\$9,185.61
377.9	1	317,142	377.9	7,183,129	3,288,008.1	\$2,988.41	\$3,063.48
378	1	317,143	378.0	7,183,507	3,287,630.1	\$2,989.19	\$3,064.28
378.1	2	317,145	756.2	7,184,263	3,286,873.9	\$5,979.96	\$6,130.16
378.2	2	317,147	756.4	7,185,019	3,286,117.5	\$5,981.53	\$6,131.77
378.4	2	317,149	756.8	7,185,776	3,285,360.7	\$5,984.67	\$6,134.97
378.5	1	317,150	378.5	7,186,155	3,284,982.2	\$2,993.12	\$3,068.29
378.6	1	317,151	378.6	7,186,533	3,284,603.6	\$2,993.90	\$3,069.09
378.7	2	317,153	757.4	7,187,291	3,283,846.2	\$5,989.38	\$6,139.79
379	3	317,156	1,137.0	7,188,428	3,282,709.2	\$8,991.14	\$9,216.90
379.2	1	317,157	379.2	7,188,807	3,282,330.0	\$2,998.62	\$3,073.90
379.4	1	317,158	379.4	7,189,186	3,281,950.6	\$3,000.19	\$3,075.51
379.7	1	317,159	379.7	7,189,566	3,281,570.9	\$3,002.54	\$3,077.92
380	2	317,161	760.0	7,190,326	3,280,810.9	\$6,009.80	\$6,160.64
380.2	1	317,162	380.2	7,190,706	3,280,430.7	\$3,006.47	\$3,081.93
380.4	2	317,164	760.8	7,191,467	3,279,669.9	\$6,016.08	\$6,167.06
380.5	3	317,167	1,141.5	7,192,608	3,278,528.4	\$9,026.47	\$9,253.00
380.6	1	317,168	380.6	7,192,989	3,278,147.8	\$3,009.61	\$3,085.14
380.7	4	317,172	1,522.8	7,194,512	3,276,625.0	\$12,041.58	\$12,343.75
380.8	4	317,176	1,523.2	7,196,035	3,275,101.8	\$12,044.72	\$12,346.96
380.9	2	317,178	761.8	7,196,797	3,274,340.0	\$6,023.93	\$6,175.08
381	2	317,180	762.0	7,197,559	3,273,578.0	\$6,025.50	\$6,176.69
381.1	2	317,182	762.2	7,198,321	3,272,815.8	\$6,027.07	\$6,178.29
381.2	2	317,184	762.4	7,199,083	3,272,053.4	\$6,028.64	\$6,179.90
381.3	1	317,185	381.3	7,199,465	3,271,672.1	\$3,015.11	\$3,090.75
381.5	2	317,187	763.0	7,200,228	3,270,909.1	\$6,033.35	\$6,184.71
381.6	1	317,188	381.6	7,200,609	3,270,527.5	\$3,017.46	\$3,093.16
381.8	1	317,189	381.8	7,200,991	3,270,145.7	\$3,019.03	\$3,094.76
381.9	1	317,190	381.9	7,201,373	3,269,763.8	\$3,019.82	\$3,095.56
382	2	317,192	764.0	7,202,137	3,268,999.8	\$6,041.21	\$6,192.73
382.1	3	317,195	1,146.3	7,203,283	3,267,853.5	\$9,064.16	\$9,291.50
382.2	4	317,199	1,528.8	7,204,812	3,266,324.7	\$12,088.69	\$12,391.88
382.3	3	317,202	1,146.9	7,205,959	3,265,177.8	\$9,068.87	\$9,296.32
382.4	1	317,203	382.4	7,206,341	3,264,795.4	\$3,023.74	\$3,099.57
382.5	1	317,204	382.5	7,206,724	3,264,412.9	\$3,024.53	\$3,100.38
382.7	3	317,207	1,148.1	7,207,872	3,263,264.8	\$9,078.30	\$9,305.94

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
383	2	317,209	766.0	7,208,638	3,262,498.8	\$6,056.91	\$6,208.78
383.3	3	317,212	1,149.9	7,209,788	3,261,348.9	\$9,092.43	\$9,320.38
383.4	1	317,213	383.4	7,210,171	3,260,965.5	\$3,031.60	\$3,107.60
383.5	1	317,214	383.5	7,210,555	3,260,582.0	\$3,032.38	\$3,108.40
383.6	1	317,215	383.6	7,210,938	3,260,198.4	\$3,033.17	\$3,109.20
383.7	2	317,217	767.4	7,211,706	3,259,431.0	\$6,067.90	\$6,220.01
383.8	2	317,219	767.6	7,212,473	3,258,663.4	\$6,069.47	\$6,221.61
384	1	317,220	384.0	7,212,857	3,258,279.4	\$3,036.31	\$3,112.41
384.1	2	317,222	768.2	7,213,626	3,257,511.2	\$6,074.19	\$6,226.42
384.2	2	317,224	768.4	7,214,394	3,256,742.8	\$6,075.76	\$6,228.03
384.3	3	317,227	1,152.9	7,215,547	3,255,589.9	\$9,115.99	\$9,344.45
384.7	1	317,228	384.7	7,215,932	3,255,205.2	\$3,041.80	\$3,118.02
384.8	1	317,229	384.8	7,216,316	3,254,820.4	\$3,042.59	\$3,118.83
384.9	1	317,230	384.9	7,216,701	3,254,435.5	\$3,043.37	\$3,119.63
385	2	317,232	770.0	7,217,471	3,253,665.5	\$6,088.32	\$6,240.86
385.1	1	317,233	385.1	7,217,856	3,253,280.4	\$3,044.95	\$3,121.23
385.2	2	317,235	770.4	7,218,627	3,252,510.0	\$6,091.46	\$6,244.07
385.5	1	317,236	385.5	7,219,012	3,252,124.5	\$3,048.09	\$3,124.44
385.6	1	317,237	385.6	7,219,398	3,251,738.9	\$3,048.87	\$3,125.24
386	4	317,241	1,544.0	7,220,942	3,250,194.9	\$12,208.05	\$12,513.81
386.1	1	317,242	386.1	7,221,328	3,249,808.8	\$3,052.80	\$3,129.26
386.2	4	317,246	1,544.8	7,222,873	3,248,264.0	\$12,214.33	\$12,520.23
386.4	2	317,248	772.8	7,223,646	3,247,491.2	\$6,110.31	\$6,263.32
386.5	2	317,250	773.0	7,224,419	3,246,718.2	\$6,111.88	\$6,264.93
386.6	1	317,251	386.6	7,224,805	3,246,331.6	\$3,056.72	\$3,133.27
386.7	2	317,253	773.4	7,225,579	3,245,558.2	\$6,115.02	\$6,268.14
386.9	1	317,254	386.9	7,225,965	3,245,171.3	\$3,059.08	\$3,135.67
387	1	317,255	387.0	7,226,352	3,244,784.3	\$3,059.87	\$3,136.48
387.1	1	317,256	387.1	7,226,740	3,244,397.2	\$3,060.65	\$3,137.28
387.3	1	317,257	387.3	7,227,127	3,244,009.9	\$3,062.22	\$3,138.88
387.4	1	317,258	387.4	7,227,514	3,243,622.5	\$3,063.01	\$3,139.68
387.5	2	317,260	775.0	7,228,289	3,242,847.5	\$6,127.58	\$6,280.97
387.6	3	317,263	1,162.8	7,229,452	3,241,684.7	\$9,193.73	\$9,423.87
387.8	1	317,264	387.8	7,229,840	3,241,296.9	\$3,066.15	\$3,142.89
387.9	2	317,266	775.8	7,230,616	3,240,521.1	\$6,133.86	\$6,287.39
388	1	317,267	388.0	7,231,004	3,240,133.1	\$3,067.72	\$3,144.50
388.4	4	317,271	1,553.6	7,232,557	3,238,579.5	\$12,283.43	\$12,590.82
388.5	2	317,273	777.0	7,233,334	3,237,802.5	\$6,143.29	\$6,297.02
388.6	1	317,274	388.6	7,233,723	3,237,413.9	\$3,072.43	\$3,149.31
388.7	1	317,275	388.7	7,234,112	3,237,025.2	\$3,073.21	\$3,150.11
388.8	2	317,277	777.6	7,234,889	3,236,247.6	\$6,148.00	\$6,301.83
388.9	1	317,278	388.9	7,235,278	3,235,858.7	\$3,074.78	\$3,151.72
389	3	317,281	1,167.0	7,236,445	3,234,691.7	\$9,226.71	\$9,457.56
389.1	2	317,283	778.2	7,237,223	3,233,913.5	\$6,152.71	\$6,306.64
389.2	3	317,286	1,167.6	7,238,391	3,232,745.9	\$9,231.42	\$9,462.37
389.5	5	317,291	1,947.5	7,240,338	3,230,798.4	\$15,397.48	\$15,782.65

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
389.6	1	317,292	389.6	7,240,728	3,230,408.8	\$3,080.28	\$3,157.33
389.7	1	317,293	389.7	7,241,118	3,230,019.1	\$3,081.07	\$3,158.13
389.8	1	317,294	389.8	7,241,507	3,229,629.3	\$3,081.85	\$3,158.94
389.9	1	317,295	389.9	7,241,897	3,229,239.4	\$3,082.64	\$3,159.74
390	3	317,298	1,170.0	7,243,067	3,228,069.4	\$9,250.27	\$9,481.62
390.1	1	317,299	390.1	7,243,457	3,227,679.3	\$3,084.21	\$3,161.34
390.2	2	317,301	780.4	7,244,238	3,226,898.9	\$6,169.99	\$6,324.29
390.3	1	317,302	390.3	7,244,628	3,226,508.6	\$3,085.78	\$3,162.95
390.5	1	317,303	390.5	7,245,019	3,226,118.1	\$3,087.35	\$3,164.55
390.6	6	317,309	2,343.6	7,247,362	3,223,774.5	\$18,528.80	\$18,992.12
390.7	1	317,310	390.7	7,247,753	3,223,383.8	\$3,088.92	\$3,166.16
390.8	1	317,311	390.8	7,248,144	3,222,993.0	\$3,089.70	\$3,166.96
390.9	1	317,312	390.9	7,248,535	3,222,602.1	\$3,090.49	\$3,167.76
391	3	317,315	1,173.0	7,249,708	3,221,429.1	\$9,273.83	\$9,505.69
391.2	2	317,317	782.4	7,250,490	3,220,646.7	\$6,185.69	\$6,340.33
391.5	1	317,318	391.5	7,250,882	3,220,255.2	\$3,095.20	\$3,172.57
391.6	3	317,321	1,174.8	7,252,056	3,219,080.4	\$9,287.96	\$9,520.13
391.7	1	317,322	391.7	7,252,448	3,218,688.7	\$3,096.77	\$3,174.18
391.8	1	317,323	391.8	7,252,840	3,218,296.9	\$3,097.56	\$3,174.98
391.9	2	317,325	783.8	7,253,624	3,217,513.1	\$6,196.68	\$6,351.57
392	4	317,329	1,568.0	7,255,192	3,215,945.1	\$12,396.51	\$12,706.34
392.1	1	317,330	392.1	7,255,584	3,215,553.0	\$3,099.91	\$3,177.39
392.4	1	317,331	392.4	7,255,976	3,215,160.6	\$3,102.27	\$3,179.79
392.5	1	317,332	392.5	7,256,369	3,214,768.1	\$3,103.05	\$3,180.60
392.8	2	317,334	785.6	7,257,154	3,213,982.5	\$6,210.82	\$6,366.00
392.9	1	317,335	392.9	7,257,547	3,213,589.6	\$3,106.19	\$3,183.80
393	1	317,336	393.0	7,257,940	3,213,196.6	\$3,106.98	\$3,184.61
393.1	4	317,340	1,572.4	7,259,513	3,211,624.2	\$12,431.06	\$12,741.64
393.2	1	317,341	393.2	7,259,906	3,211,231.0	\$3,108.55	\$3,186.21
393.4	1	317,342	393.4	7,260,299	3,210,837.6	\$3,110.12	\$3,187.82
393.5	3	317,345	1,180.5	7,261,480	3,209,657.1	\$9,332.72	\$9,565.85
393.6	3	317,348	1,180.8	7,262,660	3,208,476.3	\$9,335.07	\$9,568.26
393.7	3	317,351	1,181.1	7,263,842	3,207,295.2	\$9,337.43	\$9,570.67
393.9	1	317,352	393.9	7,264,235	3,206,901.3	\$3,114.05	\$3,191.83
394	3	317,355	1,182.0	7,265,417	3,205,719.3	\$9,344.50	\$9,577.89
394.1	1	317,356	394.1	7,265,812	3,205,325.2	\$3,115.62	\$3,193.43
394.3	1	317,357	394.3	7,266,206	3,204,930.9	\$3,117.19	\$3,195.04
394.4	1	317,358	394.4	7,266,600	3,204,536.5	\$3,117.97	\$3,195.84
394.5	1	317,359	394.5	7,266,995	3,204,142.0	\$3,118.76	\$3,196.64
394.6	2	317,361	789.2	7,267,784	3,203,352.8	\$6,239.09	\$6,394.88
394.7	2	317,363	789.4	7,268,573	3,202,563.4	\$6,240.66	\$6,396.49
394.8	2	317,365	789.6	7,269,363	3,201,773.8	\$6,242.23	\$6,398.09
395	6	317,371	2,370.0	7,271,733	3,199,403.8	\$18,736.11	\$19,203.90
395.1	1	317,372	395.1	7,272,128	3,199,008.7	\$3,123.47	\$3,201.45
395.2	1	317,373	395.2	7,272,523	3,198,613.5	\$3,124.26	\$3,202.25
395.3	3	317,376	1,185.9	7,273,709	3,197,427.6	\$9,375.12	\$9,609.17

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
395.5	2	317,378	791.0	7,274,500	3,196,636.6	\$6,253.22	\$6,409.32
395.7	1	317,379	395.7	7,274,896	3,196,240.9	\$3,128.18	\$3,206.27
395.9	1	317,380	395.9	7,275,292	3,195,845.0	\$3,129.75	\$3,207.87
396	3	317,383	1,188.0	7,276,480	3,194,657.0	\$9,391.61	\$9,626.02
396.2	1	317,384	396.2	7,276,876	3,194,260.8	\$3,132.11	\$3,210.28
396.3	1	317,385	396.3	7,277,272	3,193,864.5	\$3,132.89	\$3,211.08
396.4	2	317,387	792.8	7,278,065	3,193,071.7	\$6,267.36	\$6,423.76
396.5	1	317,388	396.5	7,278,462	3,192,675.2	\$3,134.46	\$3,212.68
396.6	1	317,389	396.6	7,278,858	3,192,278.6	\$3,135.25	\$3,213.49
396.9	2	317,391	793.8	7,279,652	3,191,484.8	\$6,275.21	\$6,431.78
397	1	317,392	397.0	7,280,049	3,191,087.8	\$3,138.39	\$3,216.69
397.3	1	317,393	397.3	7,280,446	3,190,690.5	\$3,140.75	\$3,219.10
397.5	2	317,395	795.0	7,281,241	3,189,895.5	\$6,284.63	\$6,441.41
397.8	2	317,397	795.6	7,282,037	3,189,099.9	\$6,289.34	\$6,446.22
398	4	317,401	1,592.0	7,283,629	3,187,507.9	\$12,584.97	\$12,898.86
398.3	2	317,403	796.6	7,284,425	3,186,711.3	\$6,297.20	\$6,454.25
398.6	2	317,405	797.2	7,285,223	3,185,914.1	\$6,301.91	\$6,459.06
398.8	1	317,406	398.8	7,285,621	3,185,515.3	\$3,152.52	\$3,231.13
398.9	1	317,407	398.9	7,286,020	3,185,116.4	\$3,153.31	\$3,231.94
399	2	317,409	798.0	7,286,818	3,184,318.4	\$6,308.19	\$6,465.48
399.2	1	317,410	399.2	7,287,218	3,183,919.2	\$3,155.67	\$3,234.34
399.4	3	317,413	1,198.2	7,288,416	3,182,721.0	\$9,471.71	\$9,707.84
399.5	5	317,418	1,997.5	7,290,413	3,180,723.5	\$15,790.11	\$16,183.75
399.6	1	317,419	399.6	7,290,813	3,180,323.9	\$3,158.81	\$3,237.55
399.7	1	317,420	399.7	7,291,213	3,179,924.2	\$3,159.59	\$3,238.35
399.8	1	317,421	399.8	7,291,612	3,179,524.4	\$3,160.38	\$3,239.16
399.9	2	317,423	799.8	7,292,412	3,178,724.6	\$6,322.32	\$6,479.92
400	7	317,430	2,800.0	7,295,212	3,175,924.6	\$22,133.63	\$22,685.32
400.2	2	317,432	800.4	7,296,013	3,175,124.2	\$6,327.04	\$6,484.73
400.4	2	317,434	800.8	7,296,813	3,174,323.4	\$6,330.18	\$6,487.94
400.6	1	317,435	400.6	7,297,214	3,173,922.8	\$3,166.66	\$3,245.57
400.7	1	317,436	400.7	7,297,615	3,173,522.1	\$3,167.44	\$3,246.38
401	3	317,439	1,203.0	7,298,818	3,172,319.1	\$9,509.40	\$9,746.35
401.1	1	317,440	401.1	7,299,219	3,171,918.0	\$3,170.59	\$3,249.58
401.2	2	317,442	802.4	7,300,021	3,171,115.6	\$6,342.74	\$6,500.77
401.4	2	317,444	802.8	7,300,824	3,170,312.8	\$6,345.88	\$6,503.98
401.5	4	317,448	1,606.0	7,302,430	3,168,706.8	\$12,694.91	\$13,011.17
401.6	2	317,450	803.2	7,303,233	3,167,903.6	\$6,349.02	\$6,507.19
401.7	2	317,452	803.4	7,304,037	3,167,100.2	\$6,350.59	\$6,508.79
401.9	1	317,453	401.9	7,304,438	3,166,698.3	\$3,176.87	\$3,256.00
402	6	317,459	2,412.0	7,306,850	3,164,286.3	\$19,065.92	\$19,540.82
402.1	4	317,463	1,608.4	7,308,459	3,162,677.9	\$12,713.75	\$13,030.42
402.2	2	317,465	804.4	7,309,263	3,161,873.5	\$6,358.45	\$6,516.82
402.3	1	317,466	402.3	7,309,666	3,161,471.2	\$3,180.01	\$3,259.21
402.4	2	317,468	804.8	7,310,470	3,160,666.4	\$6,361.59	\$6,520.03
402.6	1	317,469	402.6	7,310,873	3,160,263.8	\$3,182.36	\$3,261.62

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
402.7	1	317,470	402.7	7,311,276	3,159,861.1	\$3,183.15	\$3,262.42
402.8	2	317,472	805.6	7,312,081	3,159,055.5	\$6,367.87	\$6,526.44
403	4	317,476	1,612.0	7,313,693	3,157,443.5	\$12,742.02	\$13,059.30
403.1	1	317,477	403.1	7,314,096	3,157,040.4	\$3,186.29	\$3,265.63
403.2	1	317,478	403.2	7,314,500	3,156,637.2	\$3,187.08	\$3,266.43
403.5	1	317,479	403.5	7,314,903	3,156,233.7	\$3,189.43	\$3,268.84
403.6	1	317,480	403.6	7,315,307	3,155,830.1	\$3,190.22	\$3,269.64
403.7	2	317,482	807.4	7,316,114	3,155,022.7	\$6,382.00	\$6,540.88
404	4	317,486	1,616.0	7,317,730	3,153,406.7	\$12,773.43	\$13,091.39
404.1	1	317,487	404.1	7,318,134	3,153,002.6	\$3,194.14	\$3,273.65
404.2	3	317,490	1,212.6	7,319,347	3,151,790.0	\$9,584.78	\$9,823.36
404.4	1	317,491	404.4	7,319,751	3,151,385.6	\$3,196.50	\$3,276.06
404.5	2	317,493	809.0	7,320,560	3,150,576.6	\$6,394.57	\$6,553.72
404.6	1	317,494	404.6	7,320,965	3,150,172.0	\$3,198.07	\$3,277.66
404.8	1	317,495	404.8	7,321,370	3,149,767.2	\$3,199.64	\$3,279.27
404.9	1	317,496	404.9	7,321,774	3,149,362.3	\$3,200.42	\$3,280.07
405	3	317,499	1,215.0	7,322,989	3,148,147.3	\$9,603.63	\$9,842.61
405.1	1	317,500	405.1	7,323,395	3,147,742.2	\$3,202.00	\$3,281.67
405.2	2	317,502	810.4	7,324,205	3,146,931.8	\$6,405.56	\$6,564.95
405.3	2	317,504	810.6	7,325,016	3,146,121.2	\$6,407.13	\$6,566.55
405.4	1	317,505	405.4	7,325,421	3,145,715.8	\$3,204.35	\$3,284.08
405.6	1	317,506	405.6	7,325,827	3,145,310.2	\$3,205.92	\$3,285.68
405.8	2	317,508	811.6	7,326,638	3,144,498.6	\$6,414.98	\$6,574.57
406	3	317,511	1,218.0	7,327,856	3,143,280.6	\$9,627.19	\$9,866.67
406.2	2	317,513	812.4	7,328,669	3,142,468.2	\$6,421.27	\$6,580.99
406.3	1	317,514	406.3	7,329,075	3,142,061.9	\$3,211.42	\$3,291.30
406.4	2	317,516	812.8	7,329,888	3,141,249.1	\$6,424.41	\$6,584.20
406.6	1	317,517	406.6	7,330,294	3,140,842.5	\$3,213.77	\$3,293.70
406.7	2	317,519	813.4	7,331,108	3,140,029.1	\$6,429.12	\$6,589.01
407	4	317,523	1,628.0	7,332,736	3,138,401.1	\$12,867.66	\$13,187.65
407.3	1	317,524	407.3	7,333,143	3,137,993.8	\$3,219.27	\$3,299.32
407.5	1	317,525	407.5	7,333,550	3,137,586.3	\$3,220.84	\$3,300.92
407.6	1	317,526	407.6	7,333,958	3,137,178.7	\$3,221.63	\$3,301.73
407.7	1	317,527	407.7	7,334,366	3,136,771.0	\$3,222.41	\$3,302.53
407.9	2	317,529	815.8	7,335,182	3,135,955.2	\$6,447.96	\$6,608.27
408	1	317,530	408.0	7,335,590	3,135,547.2	\$3,224.77	\$3,304.94
408.1	3	317,533	1,224.3	7,336,814	3,134,322.9	\$9,676.66	\$9,917.21
408.2	3	317,536	1,224.6	7,338,038	3,133,098.3	\$9,679.01	\$9,919.62
408.3	1	317,537	408.3	7,338,447	3,132,690.0	\$3,227.12	\$3,307.34
408.4	1	317,538	408.4	7,338,855	3,132,281.6	\$3,227.91	\$3,308.14
408.5	2	317,540	817.0	7,339,672	3,131,464.6	\$6,457.39	\$6,617.89
408.6	3	317,543	1,225.8	7,340,898	3,130,238.8	\$9,688.44	\$9,929.25
408.7	3	317,546	1,226.1	7,342,124	3,129,012.7	\$9,690.79	\$9,931.65
408.9	2	317,548	817.8	7,342,942	3,128,194.9	\$6,463.67	\$6,624.31
409	1	317,549	409.0	7,343,351	3,127,785.9	\$3,232.62	\$3,312.96
409.1	1	317,550	409.1	7,343,760	3,127,376.8	\$3,233.41	\$3,313.76

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
409.3	1	317,551	409.3	7,344,169	3,126,967.5	\$3,234.98	\$3,315.36
409.4	5	317,556	2,047.0	7,346,216	3,124,920.5	\$16,178.81	\$16,580.83
409.5	1	317,557	409.5	7,346,626	3,124,511.0	\$3,236.55	\$3,316.97
409.6	1	317,558	409.6	7,347,035	3,124,101.4	\$3,237.33	\$3,317.77
409.7	1	317,559	409.7	7,347,445	3,123,691.7	\$3,238.12	\$3,318.57
409.9	1	317,560	409.9	7,347,855	3,123,281.8	\$3,239.69	\$3,320.18
410	8	317,568	3,280.0	7,351,135	3,120,001.8	\$25,923.78	\$26,567.83
410.1	1	317,569	410.1	7,351,545	3,119,591.7	\$3,241.26	\$3,321.78
410.4	1	317,570	410.4	7,351,955	3,119,181.3	\$3,243.61	\$3,324.19
410.5	1	317,571	410.5	7,352,366	3,118,770.8	\$3,244.40	\$3,324.99
410.6	2	317,573	821.2	7,353,187	3,117,949.6	\$6,490.37	\$6,651.58
410.7	2	317,575	821.4	7,354,009	3,117,128.2	\$6,491.94	\$6,653.19
411	5	317,580	2,055.0	7,356,064	3,115,073.2	\$16,241.63	\$16,645.00
411.2	3	317,583	1,233.6	7,357,297	3,113,839.6	\$9,749.69	\$9,991.82
411.3	2	317,585	822.6	7,358,120	3,113,017.0	\$6,501.36	\$6,662.81
411.5	1	317,586	411.5	7,358,531	3,112,605.5	\$3,252.25	\$3,333.01
411.6	2	317,588	823.2	7,359,354	3,111,782.3	\$6,506.07	\$6,667.63
411.7	1	317,589	411.7	7,359,766	3,111,370.6	\$3,253.82	\$3,334.62
411.8	1	317,590	411.8	7,360,178	3,110,958.8	\$3,254.61	\$3,335.42
411.9	2	317,592	823.8	7,361,002	3,110,135.0	\$6,510.78	\$6,672.44
412	1	317,593	412.0	7,361,414	3,109,723.0	\$3,256.18	\$3,337.02
412.1	2	317,595	824.2	7,362,238	3,108,898.8	\$6,513.93	\$6,675.65
412.3	1	317,596	412.3	7,362,650	3,108,486.5	\$3,258.53	\$3,339.43
412.6	1	317,597	412.6	7,363,063	3,108,073.9	\$3,260.89	\$3,341.84
413	1	317,598	413.0	7,363,476	3,107,660.9	\$3,264.03	\$3,345.04
413.4	1	317,599	413.4	7,363,889	3,107,247.5	\$3,267.17	\$3,348.25
413.5	1	317,600	413.5	7,364,303	3,106,834.0	\$3,267.96	\$3,349.06
413.6	1	317,601	413.6	7,364,716	3,106,420.4	\$3,268.74	\$3,349.86
413.7	2	317,603	827.4	7,365,544	3,105,593.0	\$6,539.05	\$6,701.32
413.8	2	317,605	827.6	7,366,371	3,104,765.4	\$6,540.62	\$6,702.92
414	4	317,609	1,656.0	7,368,027	3,103,109.4	\$13,087.53	\$13,412.27
414.2	3	317,612	1,242.6	7,369,270	3,101,866.8	\$9,820.36	\$10,064.01
414.3	3	317,615	1,242.9	7,370,513	3,100,623.9	\$9,822.71	\$10,066.42
414.7	1	317,616	414.7	7,370,928	3,100,209.2	\$3,277.38	\$3,358.68
414.9	2	317,618	829.8	7,371,757	3,099,379.4	\$6,557.90	\$6,720.57
415	1	317,619	415.0	7,372,172	3,098,964.4	\$3,279.74	\$3,361.09
415.1	1	317,620	415.1	7,372,587	3,098,549.3	\$3,280.52	\$3,361.89
415.2	1	317,621	415.2	7,373,003	3,098,134.1	\$3,281.31	\$3,362.69
415.3	2	317,623	830.6	7,373,833	3,097,303.5	\$6,564.18	\$6,726.99
415.4	1	317,624	415.4	7,374,249	3,096,888.1	\$3,282.88	\$3,364.30
415.5	1	317,625	415.5	7,374,664	3,096,472.6	\$3,283.66	\$3,365.10
415.7	2	317,627	831.4	7,375,496	3,095,641.2	\$6,570.46	\$6,733.41
416	2	317,629	832.0	7,376,328	3,094,809.2	\$6,575.18	\$6,738.22
416.1	1	317,630	416.1	7,376,744	3,094,393.1	\$3,288.37	\$3,369.91
416.6	1	317,631	416.6	7,377,160	3,093,976.5	\$3,292.30	\$3,373.92
416.7	1	317,632	416.7	7,377,577	3,093,559.8	\$3,293.08	\$3,374.73

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
416.9	3	317,635	1,250.7	7,378,828	3,092,309.1	\$9,883.96	\$10,128.99
417.1	4	317,639	1,668.4	7,380,496	3,090,640.7	\$13,184.90	\$13,511.74
417.2	1	317,640	417.2	7,380,913	3,090,223.5	\$3,297.01	\$3,378.74
417.3	1	317,641	417.3	7,381,331	3,089,806.2	\$3,297.80	\$3,379.54
417.4	2	317,643	834.8	7,382,165	3,088,971.4	\$6,597.16	\$6,760.68
417.5	1	317,644	417.5	7,382,583	3,088,553.9	\$3,299.37	\$3,381.14
417.6	3	317,647	1,252.8	7,383,836	3,087,301.1	\$9,900.45	\$10,145.84
417.9	2	317,649	835.8	7,384,671	3,086,465.3	\$6,605.01	\$6,768.70
418	1	317,650	418.0	7,385,089	3,086,047.3	\$3,303.29	\$3,385.15
418.1	1	317,651	418.1	7,385,508	3,085,629.2	\$3,304.08	\$3,385.96
418.2	1	317,652	418.2	7,385,926	3,085,211.0	\$3,304.86	\$3,386.76
418.4	2	317,654	836.8	7,386,763	3,084,374.2	\$6,612.87	\$6,776.73
418.5	2	317,656	837.0	7,387,600	3,083,537.2	\$6,614.44	\$6,778.33
418.6	1	317,657	418.6	7,388,018	3,083,118.6	\$3,308.00	\$3,389.97
418.7	1	317,658	418.7	7,388,437	3,082,699.9	\$3,308.79	\$3,390.77
418.8	1	317,659	418.8	7,388,856	3,082,281.1	\$3,309.57	\$3,391.57
419	4	317,663	1,676.0	7,390,532	3,080,605.1	\$13,244.58	\$13,572.70
419.1	2	317,665	838.2	7,391,370	3,079,766.9	\$6,623.86	\$6,787.96
419.2	2	317,667	838.4	7,392,208	3,078,928.5	\$6,625.43	\$6,789.56
419.4	2	317,669	838.8	7,393,047	3,078,089.7	\$6,628.57	\$6,792.77
419.5	2	317,671	839.0	7,393,886	3,077,250.7	\$6,630.14	\$6,794.37
419.7	1	317,672	419.7	7,394,306	3,076,831.0	\$3,316.64	\$3,398.79
419.9	3	317,675	1,259.7	7,395,565	3,075,571.3	\$9,954.64	\$10,201.19
420	3	317,678	1,260.0	7,396,825	3,074,311.3	\$9,956.99	\$10,203.59
420.1	1	317,679	420.1	7,397,246	3,073,891.2	\$3,319.78	\$3,402.00
420.2	3	317,682	1,260.6	7,398,506	3,072,630.6	\$9,961.70	\$10,208.41
420.3	1	317,683	420.3	7,398,926	3,072,210.3	\$3,321.35	\$3,403.60
420.5	2	317,685	841.0	7,399,767	3,071,369.3	\$6,645.85	\$6,810.42
420.9	2	317,687	841.8	7,400,609	3,070,527.5	\$6,652.13	\$6,816.84
421	2	317,689	842.0	7,401,451	3,069,685.5	\$6,653.70	\$6,818.44
421.2	1	317,690	421.2	7,401,872	3,069,264.3	\$3,328.42	\$3,410.82
421.3	1	317,691	421.3	7,402,294	3,068,843.0	\$3,329.21	\$3,411.63
421.5	1	317,692	421.5	7,402,715	3,068,421.5	\$3,330.78	\$3,413.23
421.6	1	317,693	421.6	7,403,137	3,067,999.9	\$3,331.56	\$3,414.03
422	2	317,695	844.0	7,403,981	3,067,155.9	\$6,669.41	\$6,834.48
422.2	1	317,696	422.2	7,404,403	3,066,733.7	\$3,336.27	\$3,418.85
422.5	1	317,697	422.5	7,404,826	3,066,311.2	\$3,338.63	\$3,421.25
422.8	2	317,699	845.6	7,405,671	3,065,465.6	\$6,681.97	\$6,847.32
423.2	5	317,704	2,116.0	7,407,787	3,063,349.6	\$16,720.63	\$17,134.34
423.3	1	317,705	423.3	7,408,210	3,062,926.3	\$3,344.91	\$3,427.67
423.5	1	317,706	423.5	7,408,634	3,062,502.8	\$3,346.48	\$3,429.27
423.7	2	317,708	847.4	7,409,481	3,061,655.4	\$6,696.10	\$6,861.76
423.9	1	317,709	423.9	7,409,905	3,061,231.5	\$3,349.62	\$3,432.48
424	2	317,711	848.0	7,410,753	3,060,383.5	\$6,700.82	\$6,866.57
424.1	1	317,712	424.1	7,411,177	3,059,959.4	\$3,351.19	\$3,434.09
424.2	3	317,715	1,272.6	7,412,450	3,058,686.8	\$10,055.93	\$10,304.67



**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
424.3	2	317,717	848.6	7,413,299	3,057,838.2	\$6,705.53	\$6,871.38
424.4	1	317,718	424.4	7,413,723	3,057,413.8	\$3,353.55	\$3,436.49
424.5	2	317,720	849.0	7,414,572	3,056,564.8	\$6,708.67	\$6,874.59
425	3	317,723	1,275.0	7,415,847	3,055,289.8	\$10,074.78	\$10,323.92
425.3	1	317,724	425.3	7,416,272	3,054,864.5	\$3,360.62	\$3,443.71
425.6	2	317,726	851.2	7,417,123	3,054,013.3	\$6,725.94	\$6,892.24
426	7	317,733	2,982.0	7,420,105	3,051,031.3	\$23,562.79	\$24,145.31
426.1	2	317,735	852.2	7,420,958	3,050,179.1	\$6,733.80	\$6,900.26
426.3	1	317,736	426.3	7,421,384	3,049,752.8	\$3,368.47	\$3,451.74
426.4	1	317,737	426.4	7,421,810	3,049,326.4	\$3,369.25	\$3,452.54
426.5	1	317,738	426.5	7,422,237	3,048,899.9	\$3,370.04	\$3,453.34
426.6	2	317,740	853.2	7,423,090	3,048,046.7	\$6,741.65	\$6,908.29
426.8	1	317,741	426.8	7,423,517	3,047,619.9	\$3,372.39	\$3,455.75
426.9	1	317,742	426.9	7,423,944	3,047,193.0	\$3,373.18	\$3,456.55
427	5	317,747	2,135.0	7,426,079	3,045,058.0	\$16,869.83	\$17,286.76
427.1	2	317,749	854.2	7,426,933	3,044,203.8	\$6,749.50	\$6,916.31
427.5	1	317,750	427.5	7,427,360	3,043,776.3	\$3,377.89	\$3,461.36
427.7	3	317,753	1,283.1	7,428,644	3,042,493.2	\$10,138.39	\$10,388.90
427.8	1	317,754	427.8	7,429,071	3,042,065.4	\$3,380.25	\$3,463.77
427.9	1	317,755	427.9	7,429,499	3,041,637.5	\$3,381.03	\$3,464.57
428	1	317,756	428.0	7,429,927	3,041,209.5	\$3,381.82	\$3,465.37
428.1	2	317,758	856.2	7,430,783	3,040,353.3	\$6,765.21	\$6,932.35
428.2	1	317,759	428.2	7,431,212	3,039,925.1	\$3,383.39	\$3,466.98
428.3	1	317,760	428.3	7,431,640	3,039,496.8	\$3,384.17	\$3,467.78
428.6	2	317,762	857.2	7,432,497	3,038,639.6	\$6,773.06	\$6,940.37
428.9	1	317,763	428.9	7,432,926	3,038,210.7	\$3,388.88	\$3,472.59
429	1	317,764	429.0	7,433,355	3,037,781.7	\$3,389.67	\$3,473.40
429.1	1	317,765	429.1	7,433,784	3,037,352.6	\$3,390.46	\$3,474.20
429.2	2	317,767	858.4	7,434,643	3,036,494.2	\$6,782.48	\$6,950.00
429.4	1	317,768	429.4	7,435,072	3,036,064.8	\$3,392.81	\$3,476.60
429.7	1	317,769	429.7	7,435,502	3,035,635.1	\$3,395.17	\$3,479.01
430	3	317,772	1,290.0	7,436,792	3,034,345.1	\$10,192.57	\$10,444.25
430.1	3	317,775	1,290.3	7,438,082	3,033,054.8	\$10,194.92	\$10,446.66
430.2	1	317,776	430.2	7,438,512	3,032,624.6	\$3,399.09	\$3,483.02
430.3	2	317,778	860.6	7,439,373	3,031,764.0	\$6,799.76	\$6,967.65
430.4	1	317,779	430.4	7,439,803	3,031,333.6	\$3,400.66	\$3,484.63
430.6	1	317,780	430.6	7,440,234	3,030,903.0	\$3,402.23	\$3,486.23
430.7	1	317,781	430.7	7,440,664	3,030,472.3	\$3,403.02	\$3,487.03
430.9	2	317,783	861.8	7,441,526	3,029,610.5	\$6,809.18	\$6,977.27
431	3	317,786	1,293.0	7,442,819	3,028,317.5	\$10,216.13	\$10,468.32
431.1	1	317,787	431.1	7,443,250	3,027,886.4	\$3,406.16	\$3,490.24
431.3	1	317,788	431.3	7,443,682	3,027,455.1	\$3,407.73	\$3,491.85
431.4	1	317,789	431.4	7,444,113	3,027,023.7	\$3,408.52	\$3,492.65
431.5	1	317,790	431.5	7,444,545	3,026,592.2	\$3,409.30	\$3,493.45
431.6	1	317,791	431.6	7,444,976	3,026,160.6	\$3,410.09	\$3,494.25
431.9	1	317,792	431.9	7,445,408	3,025,728.7	\$3,412.44	\$3,496.66

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
432	3	317,795	1,296.0	7,446,704	3,024,432.7	\$10,239.68	\$10,492.38
432.2	2	317,797	864.4	7,447,568	3,023,568.3	\$6,829.60	\$6,998.13
432.7	1	317,798	432.7	7,448,001	3,023,135.6	\$3,418.72	\$3,503.08
432.9	2	317,800	865.8	7,448,867	3,022,269.8	\$6,840.59	\$7,009.36
433	2	317,802	866.0	7,449,733	3,021,403.8	\$6,842.16	\$7,010.97
433.5	2	317,804	867.0	7,450,600	3,020,536.8	\$6,850.01	\$7,018.99
433.7	2	317,806	867.4	7,451,467	3,019,669.4	\$6,853.15	\$7,022.20
433.8	2	317,808	867.6	7,452,335	3,018,801.8	\$6,854.72	\$7,023.80
434	2	317,810	868.0	7,453,203	3,017,933.8	\$6,857.87	\$7,027.01
434.2	1	317,811	434.2	7,453,637	3,017,499.6	\$3,430.50	\$3,515.11
434.3	2	317,813	868.6	7,454,506	3,016,631.0	\$6,862.58	\$7,031.82
434.4	2	317,815	868.8	7,455,375	3,015,762.2	\$6,864.15	\$7,033.43
434.5	2	317,817	869.0	7,456,244	3,014,893.2	\$6,865.72	\$7,035.03
434.6	1	317,818	434.6	7,456,678	3,014,458.6	\$3,433.64	\$3,518.32
434.7	1	317,819	434.7	7,457,113	3,014,023.9	\$3,434.43	\$3,519.12
434.8	1	317,820	434.8	7,457,548	3,013,589.1	\$3,435.21	\$3,519.92
434.9	3	317,823	1,304.7	7,458,852	3,012,284.4	\$10,308.00	\$10,562.17
435.1	1	317,824	435.1	7,459,287	3,011,849.3	\$3,437.57	\$3,522.33
435.2	1	317,825	435.2	7,459,723	3,011,414.1	\$3,438.36	\$3,523.13
435.3	1	317,826	435.3	7,460,158	3,010,978.8	\$3,439.14	\$3,523.93
435.5	1	317,827	435.5	7,460,593	3,010,543.3	\$3,440.71	\$3,525.54
435.7	2	317,829	871.4	7,461,465	3,009,671.9	\$6,884.56	\$7,054.28
435.8	1	317,830	435.8	7,461,901	3,009,236.1	\$3,443.07	\$3,527.94
436	4	317,834	1,744.0	7,463,645	3,007,492.1	\$13,778.55	\$14,118.19
436.3	4	317,838	1,745.2	7,465,390	3,005,746.9	\$13,787.97	\$14,127.82
436.4	1	317,839	436.4	7,465,826	3,005,310.5	\$3,447.78	\$3,532.76
436.5	1	317,840	436.5	7,466,263	3,004,874.0	\$3,448.56	\$3,533.56
436.7	2	317,842	873.4	7,467,136	3,004,000.6	\$6,900.27	\$7,070.33
436.8	1	317,843	436.8	7,467,573	3,003,563.8	\$3,450.92	\$3,535.97
436.9	3	317,846	1,310.7	7,468,884	3,002,253.1	\$10,355.11	\$10,610.30
437	3	317,849	1,311.0	7,470,195	3,000,942.1	\$10,357.47	\$10,612.71
437.2	3	317,852	1,311.6	7,471,506	2,999,630.5	\$10,362.18	\$10,617.52
437.3	1	317,853	437.3	7,471,944	2,999,193.2	\$3,454.85	\$3,539.98
437.5	3	317,856	1,312.5	7,473,256	2,997,880.7	\$10,369.25	\$10,624.74
437.7	1	317,857	437.7	7,473,694	2,997,443.0	\$3,457.99	\$3,543.19
437.9	2	317,859	875.8	7,474,570	2,996,567.2	\$6,919.11	\$7,089.58
438	1	317,860	438.0	7,475,008	2,996,129.2	\$3,460.34	\$3,545.59
438.3	2	317,862	876.6	7,475,884	2,995,252.6	\$6,925.40	\$7,096.00
438.5	2	317,864	877.0	7,476,761	2,994,375.6	\$6,928.54	\$7,099.21
438.6	1	317,865	438.6	7,477,200	2,993,937.0	\$3,465.05	\$3,550.41
438.7	2	317,867	877.4	7,478,077	2,993,059.6	\$6,931.68	\$7,102.42
438.8	2	317,869	877.6	7,478,955	2,992,182.0	\$6,933.25	\$7,104.02
438.9	2	317,871	877.8	7,479,833	2,991,304.2	\$6,934.82	\$7,105.62
439	1	317,872	439.0	7,480,272	2,990,865.2	\$3,468.20	\$3,553.61
439.1	1	317,873	439.1	7,480,711	2,990,426.1	\$3,468.98	\$3,554.42
439.2	1	317,874	439.2	7,481,150	2,989,986.9	\$3,469.77	\$3,555.22

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
439.5	1	317,875	439.5	7,481,589	2,989,547.4	\$3,472.12	\$3,557.63
439.7	1	317,876	439.7	7,482,029	2,989,107.7	\$3,473.69	\$3,559.23
439.8	1	317,877	439.8	7,482,469	2,988,667.9	\$3,474.48	\$3,560.03
440.1	1	317,878	440.1	7,482,909	2,988,227.8	\$3,476.83	\$3,562.44
440.2	1	317,879	440.2	7,483,349	2,987,787.6	\$3,477.62	\$3,563.24
440.3	2	317,881	880.6	7,484,230	2,986,907.0	\$6,956.81	\$7,128.09
440.6	1	317,882	440.6	7,484,670	2,986,466.4	\$3,480.76	\$3,566.45
440.7	3	317,885	1,322.1	7,485,992	2,985,144.3	\$10,444.63	\$10,701.75
441	2	317,887	882.0	7,486,874	2,984,262.3	\$6,967.80	\$7,139.32
441.2	1	317,888	441.2	7,487,316	2,983,821.1	\$3,485.47	\$3,571.26
441.4	1	317,889	441.4	7,487,757	2,983,379.7	\$3,487.04	\$3,572.87
441.7	1	317,890	441.7	7,488,199	2,982,938.0	\$3,489.40	\$3,575.27
442	1	317,891	442.0	7,488,641	2,982,496.0	\$3,491.75	\$3,577.68
442.2	2	317,893	884.4	7,489,525	2,981,611.6	\$6,986.65	\$7,158.57
442.7	1	317,894	442.7	7,489,968	2,981,168.9	\$3,497.25	\$3,583.30
443	2	317,896	886.0	7,490,854	2,980,282.9	\$6,999.21	\$7,171.40
443.1	1	317,897	443.1	7,491,297	2,979,839.8	\$3,500.39	\$3,586.50
443.2	1	317,898	443.2	7,491,740	2,979,396.6	\$3,501.18	\$3,587.31
443.7	1	317,899	443.7	7,492,184	2,978,952.9	\$3,505.10	\$3,591.32
443.9	1	317,900	443.9	7,492,628	2,978,509.0	\$3,506.67	\$3,592.92
444	1	317,901	444.0	7,493,072	2,978,065.0	\$3,507.46	\$3,593.72
444.1	1	317,902	444.1	7,493,516	2,977,620.9	\$3,508.24	\$3,594.53
444.3	1	317,903	444.3	7,493,960	2,977,176.6	\$3,509.81	\$3,596.13
444.5	1	317,904	444.5	7,494,405	2,976,732.1	\$3,511.38	\$3,597.73
444.6	2	317,906	889.2	7,495,294	2,975,842.9	\$7,024.34	\$7,197.07
444.7	2	317,908	889.4	7,496,183	2,974,953.5	\$7,025.91	\$7,198.68
444.9	1	317,909	444.9	7,496,628	2,974,508.6	\$3,514.52	\$3,600.94
445	3	317,912	1,335.0	7,497,963	2,973,173.6	\$10,545.93	\$10,805.24
445.1	2	317,914	890.2	7,498,853	2,972,283.4	\$7,032.19	\$7,205.10
445.3	1	317,915	445.3	7,499,299	2,971,838.1	\$3,517.67	\$3,604.15
445.5	2	317,917	891.0	7,500,190	2,970,947.1	\$7,038.47	\$7,211.51
445.6	3	317,920	1,336.8	7,501,526	2,969,610.3	\$10,560.06	\$10,819.68
445.7	1	317,921	445.7	7,501,972	2,969,164.6	\$3,520.81	\$3,607.36
446	2	317,923	892.0	7,502,864	2,968,272.6	\$7,046.33	\$7,219.53
446.1	1	317,924	446.1	7,503,310	2,967,826.5	\$3,523.95	\$3,610.57
446.2	2	317,926	892.4	7,504,203	2,966,934.1	\$7,049.47	\$7,222.74
446.4	2	317,928	892.8	7,505,095	2,966,041.3	\$7,052.61	\$7,225.95
447	1	317,929	447.0	7,505,542	2,965,594.3	\$3,531.02	\$3,617.79
447.2	1	317,930	447.2	7,505,990	2,965,147.1	\$3,532.59	\$3,619.39
447.3	1	317,931	447.3	7,506,437	2,964,699.8	\$3,533.37	\$3,620.20
447.4	2	317,933	894.8	7,507,332	2,963,805.0	\$7,068.31	\$7,242.00
447.6	2	317,935	895.2	7,508,227	2,962,909.8	\$7,071.45	\$7,245.20
447.8	1	317,936	447.8	7,508,675	2,962,462.0	\$3,537.30	\$3,624.21
448	2	317,938	896.0	7,509,571	2,961,566.0	\$7,077.74	\$7,251.62
448.1	2	317,940	896.2	7,510,467	2,960,669.8	\$7,079.31	\$7,253.23
448.3	1	317,941	448.3	7,510,915	2,960,221.5	\$3,541.22	\$3,628.22

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
448.7	1	317,942	448.7	7,511,364	2,959,772.8	\$3,544.36	\$3,631.43
448.8	1	317,943	448.8	7,511,813	2,959,324.0	\$3,545.15	\$3,632.23
449	3	317,946	1,347.0	7,513,160	2,957,977.0	\$10,640.16	\$10,901.50
449.3	2	317,948	898.6	7,514,058	2,957,078.4	\$7,098.15	\$7,272.48
449.5	1	317,949	449.5	7,514,508	2,956,628.9	\$3,550.65	\$3,637.84
449.7	2	317,951	899.4	7,515,407	2,955,729.5	\$7,104.43	\$7,278.90
449.8	1	317,952	449.8	7,515,857	2,955,279.7	\$3,553.00	\$3,640.25
449.9	2	317,954	899.8	7,516,757	2,954,379.9	\$7,107.57	\$7,282.11
450	3	317,957	1,350.0	7,518,107	2,953,029.9	\$10,663.72	\$10,925.57
450.4	1	317,958	450.4	7,518,557	2,952,579.5	\$3,557.71	\$3,645.06
450.6	1	317,959	450.6	7,519,008	2,952,128.9	\$3,559.28	\$3,646.67
450.7	1	317,960	450.7	7,519,459	2,951,678.2	\$3,560.07	\$3,647.47
450.8	1	317,961	450.8	7,519,909	2,951,227.4	\$3,560.85	\$3,648.27
450.9	3	317,964	1,352.7	7,521,262	2,949,874.7	\$10,684.92	\$10,947.22
451.1	1	317,965	451.1	7,521,713	2,949,423.6	\$3,563.21	\$3,650.68
451.3	1	317,966	451.3	7,522,164	2,948,972.3	\$3,564.78	\$3,652.28
451.4	1	317,967	451.4	7,522,616	2,948,520.9	\$3,565.57	\$3,653.09
451.7	1	317,968	451.7	7,523,068	2,948,069.2	\$3,567.92	\$3,655.49
451.8	1	317,969	451.8	7,523,519	2,947,617.4	\$3,568.71	\$3,656.29
451.9	1	317,970	451.9	7,523,971	2,947,165.5	\$3,569.49	\$3,657.10
452	1	317,971	452.0	7,524,423	2,946,713.5	\$3,570.28	\$3,657.90
452.1	1	317,972	452.1	7,524,875	2,946,261.4	\$3,571.06	\$3,658.70
452.2	2	317,974	904.4	7,525,780	2,945,357.0	\$7,143.70	\$7,319.01
452.3	1	317,975	452.3	7,526,232	2,944,904.7	\$3,572.63	\$3,660.31
452.5	1	317,976	452.5	7,526,685	2,944,452.2	\$3,574.20	\$3,661.91
452.8	1	317,977	452.8	7,527,137	2,943,999.4	\$3,576.56	\$3,664.32
452.9	1	317,978	452.9	7,527,590	2,943,546.5	\$3,577.34	\$3,665.12
453	2	317,980	906.0	7,528,496	2,942,640.5	\$7,156.26	\$7,331.84
453.1	1	317,981	453.1	7,528,949	2,942,187.4	\$3,578.92	\$3,666.72
453.5	1	317,982	453.5	7,529,403	2,941,733.9	\$3,582.06	\$3,669.93
453.8	1	317,983	453.8	7,529,857	2,941,280.1	\$3,584.41	\$3,672.34
454	2	317,985	908.0	7,530,765	2,940,372.1	\$7,171.97	\$7,347.89
454.1	2	317,987	908.2	7,531,673	2,939,463.9	\$7,173.54	\$7,349.49
454.7	1	317,988	454.7	7,532,128	2,939,009.2	\$3,591.48	\$3,679.56
454.8	2	317,990	909.6	7,533,037	2,938,099.6	\$7,184.53	\$7,360.72
454.9	2	317,992	909.8	7,533,947	2,937,189.8	\$7,186.10	\$7,362.32
455	3	317,995	1,365.0	7,535,312	2,935,824.8	\$10,781.51	\$11,045.89
455.1	2	317,997	910.2	7,536,222	2,934,914.6	\$7,189.24	\$7,365.53
455.4	3	318,000	1,366.2	7,537,588	2,933,548.4	\$10,790.93	\$11,055.52
455.5	2	318,002	911.0	7,538,499	2,932,637.4	\$7,195.52	\$7,371.95
455.7	1	318,003	455.7	7,538,955	2,932,181.7	\$3,599.33	\$3,687.58
455.9	1	318,004	455.9	7,539,411	2,931,725.8	\$3,600.90	\$3,689.18
456	4	318,008	1,824.0	7,541,235	2,929,901.8	\$14,406.75	\$14,759.95
456.2	2	318,010	912.4	7,542,147	2,928,989.4	\$7,206.52	\$7,383.18
456.3	2	318,012	912.6	7,543,060	2,928,076.8	\$7,208.09	\$7,384.79
456.6	2	318,014	913.2	7,543,973	2,927,163.6	\$7,212.80	\$7,389.60

**RATE SCHEDULE N (Commerical/Industrial)****Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
456.7	1	318,015	456.7	7,544,430	2,926,706.9	\$3,607.18	\$3,695.60
456.8	2	318,017	913.6	7,545,343	2,925,793.3	\$7,215.94	\$7,392.81
456.9	1	318,018	456.9	7,545,800	2,925,336.4	\$3,608.75	\$3,697.21
457	1	318,019	457.0	7,546,257	2,924,879.4	\$3,609.54	\$3,698.01
457.1	1	318,020	457.1	7,546,714	2,924,422.3	\$3,610.33	\$3,698.81
457.2	1	318,021	457.2	7,547,172	2,923,965.1	\$3,611.11	\$3,699.61
457.4	1	318,022	457.4	7,547,629	2,923,507.7	\$3,612.68	\$3,701.22
457.5	1	318,023	457.5	7,548,087	2,923,050.2	\$3,613.47	\$3,702.02
457.6	2	318,025	915.2	7,549,002	2,922,135.0	\$7,228.50	\$7,405.64
458.2	1	318,026	458.2	7,549,460	2,921,676.8	\$3,618.96	\$3,707.63
458.3	1	318,027	458.3	7,549,918	2,921,218.5	\$3,619.75	\$3,708.44
458.4	3	318,030	1,375.2	7,551,293	2,919,843.3	\$10,861.60	\$11,127.72
458.5	1	318,031	458.5	7,551,752	2,919,384.8	\$3,621.32	\$3,710.04
458.6	1	318,032	458.6	7,552,211	2,918,926.2	\$3,622.10	\$3,710.84
458.7	1	318,033	458.7	7,552,669	2,918,467.5	\$3,622.89	\$3,711.65
458.9	1	318,034	458.9	7,553,128	2,918,008.6	\$3,624.46	\$3,713.25
459	1	318,035	459.0	7,553,587	2,917,549.6	\$3,625.25	\$3,714.05
459.1	3	318,038	1,377.3	7,554,964	2,916,172.3	\$10,878.09	\$11,144.56
459.3	2	318,040	918.6	7,555,883	2,915,253.7	\$7,255.20	\$7,432.92
459.5	1	318,041	459.5	7,556,343	2,914,794.2	\$3,629.17	\$3,718.06
459.6	1	318,042	459.6	7,556,802	2,914,334.6	\$3,629.96	\$3,718.87
459.7	1	318,043	459.7	7,557,262	2,913,874.9	\$3,630.74	\$3,719.67
460	1	318,044	460.0	7,557,722	2,913,414.9	\$3,633.10	\$3,722.07
460.4	1	318,045	460.4	7,558,182	2,912,954.5	\$3,636.24	\$3,725.28
460.5	1	318,046	460.5	7,558,643	2,912,494.0	\$3,637.02	\$3,726.08
460.6	1	318,047	460.6	7,559,103	2,912,033.4	\$3,637.81	\$3,726.89
460.7	1	318,048	460.7	7,559,564	2,911,572.7	\$3,638.59	\$3,727.69
461	1	318,049	461.0	7,560,025	2,911,111.7	\$3,640.95	\$3,730.10
461.1	2	318,051	922.2	7,560,947	2,910,189.5	\$7,283.47	\$7,461.80
461.2	1	318,052	461.2	7,561,408	2,909,728.3	\$3,642.52	\$3,731.70
462	1	318,053	462.0	7,561,870	2,909,266.3	\$3,648.80	\$3,738.12
462.1	1	318,054	462.1	7,562,333	2,908,804.2	\$3,649.59	\$3,738.92
462.3	1	318,055	462.3	7,562,795	2,908,341.9	\$3,651.16	\$3,740.52
462.7	1	318,056	462.7	7,563,258	2,907,879.2	\$3,654.30	\$3,743.73
462.8	1	318,057	462.8	7,563,720	2,907,416.4	\$3,655.08	\$3,744.54
463	2	318,059	926.0	7,564,646	2,906,490.4	\$7,313.31	\$7,492.28
463.4	1	318,060	463.4	7,565,110	2,906,027.0	\$3,659.80	\$3,749.35
463.5	1	318,061	463.5	7,565,573	2,905,563.5	\$3,660.58	\$3,750.15
463.8	3	318,064	1,391.4	7,566,965	2,904,172.1	\$10,988.81	\$11,257.67
463.9	2	318,066	927.8	7,567,892	2,903,244.3	\$7,327.44	\$7,506.72
464	4	318,070	1,856.0	7,569,748	2,901,388.3	\$14,658.03	\$15,016.65
464.1	1	318,071	464.1	7,570,213	2,900,924.2	\$3,665.29	\$3,754.96
464.4	1	318,072	464.4	7,570,677	2,900,459.8	\$3,667.65	\$3,757.37
464.6	1	318,073	464.6	7,571,142	2,899,995.2	\$3,669.22	\$3,758.97
464.9	1	318,074	464.9	7,571,606	2,899,530.3	\$3,671.57	\$3,761.38
465	1	318,075	465.0	7,572,071	2,899,065.3	\$3,672.36	\$3,762.18

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
465.4	1	318,076	465.4	7,572,537	2,898,599.9	\$3,675.50	\$3,765.39
465.5	1	318,077	465.5	7,573,002	2,898,134.4	\$3,676.29	\$3,766.19
465.6	1	318,078	465.6	7,573,468	2,897,668.8	\$3,677.07	\$3,767.00
465.7	1	318,079	465.7	7,573,934	2,897,203.1	\$3,677.86	\$3,767.80
465.9	1	318,080	465.9	7,574,400	2,896,737.2	\$3,679.43	\$3,769.40
466	2	318,082	932.0	7,575,332	2,895,805.2	\$7,360.43	\$7,540.41
466.7	1	318,083	466.7	7,575,798	2,895,338.5	\$3,685.71	\$3,775.82
466.8	1	318,084	466.8	7,576,265	2,894,871.7	\$3,686.49	\$3,776.62
467	4	318,088	1,868.0	7,578,133	2,893,003.7	\$14,752.26	\$15,112.91
467.2	1	318,089	467.2	7,578,600	2,892,536.5	\$3,689.64	\$3,779.83
467.5	1	318,090	467.5	7,579,068	2,892,069.0	\$3,691.99	\$3,782.24
467.8	1	318,091	467.8	7,579,536	2,891,601.2	\$3,694.35	\$3,784.64
467.9	1	318,092	467.9	7,580,003	2,891,133.3	\$3,695.13	\$3,785.45
468.1	2	318,094	936.2	7,580,940	2,890,197.1	\$7,393.41	\$7,574.10
468.5	2	318,096	937.0	7,581,877	2,889,260.1	\$7,399.69	\$7,580.52
468.8	1	318,097	468.8	7,582,345	2,888,791.3	\$3,702.20	\$3,792.67
469	2	318,099	938.0	7,583,283	2,887,853.3	\$7,407.54	\$7,588.54
469.1	1	318,100	469.1	7,583,753	2,887,384.2	\$3,704.56	\$3,795.07
469.3	1	318,101	469.3	7,584,222	2,886,914.9	\$3,706.13	\$3,796.68
469.5	1	318,102	469.5	7,584,691	2,886,445.4	\$3,707.70	\$3,798.28
469.6	1	318,103	469.6	7,585,161	2,885,975.8	\$3,708.48	\$3,799.08
470	3	318,106	1,410.0	7,586,571	2,884,565.8	\$11,134.87	\$11,406.88
470.1	1	318,107	470.1	7,587,041	2,884,095.7	\$3,712.41	\$3,803.10
470.2	1	318,108	470.2	7,587,511	2,883,625.5	\$3,713.19	\$3,803.90
470.3	1	318,109	470.3	7,587,982	2,883,155.2	\$3,713.98	\$3,804.70
470.4	1	318,110	470.4	7,588,452	2,882,684.8	\$3,714.76	\$3,805.50
470.5	1	318,111	470.5	7,588,922	2,882,214.3	\$3,715.55	\$3,806.30
471.2	1	318,112	471.2	7,589,394	2,881,743.1	\$3,721.05	\$3,811.92
471.8	2	318,114	943.6	7,590,337	2,880,799.5	\$7,451.51	\$7,633.46
472	3	318,117	1,416.0	7,591,753	2,879,383.5	\$11,181.98	\$11,455.01
472.6	1	318,118	472.6	7,592,226	2,878,910.9	\$3,732.04	\$3,823.15
473	2	318,120	946.0	7,593,172	2,877,964.9	\$7,470.36	\$7,652.72
473.1	2	318,122	946.2	7,594,118	2,877,018.7	\$7,471.93	\$7,654.32
473.2	2	318,124	946.4	7,595,064	2,876,072.3	\$7,473.50	\$7,655.93
473.3	1	318,125	473.3	7,595,538	2,875,599.0	\$3,737.54	\$3,828.77
473.5	3	318,128	1,420.5	7,596,958	2,874,178.5	\$11,217.32	\$11,491.11
473.6	1	318,129	473.6	7,597,432	2,873,704.9	\$3,739.89	\$3,831.17
473.7	3	318,132	1,421.1	7,598,853	2,872,283.8	\$11,222.03	\$11,495.92
473.8	1	318,133	473.8	7,599,327	2,871,810.0	\$3,741.46	\$3,832.78
474	4	318,137	1,896.0	7,601,223	2,869,914.0	\$14,972.13	\$15,337.52
474.5	1	318,138	474.5	7,601,697	2,869,439.5	\$3,746.96	\$3,838.39
474.7	3	318,141	1,424.1	7,603,121	2,868,015.4	\$11,245.59	\$11,519.99
474.9	2	318,143	949.8	7,604,071	2,867,065.6	\$7,500.20	\$7,683.20
475	2	318,145	950.0	7,605,021	2,866,115.6	\$7,501.77	\$7,684.81
475.3	1	318,146	475.3	7,605,496	2,865,640.3	\$3,753.24	\$3,844.81
475.4	1	318,147	475.4	7,605,972	2,865,164.9	\$3,754.03	\$3,845.61

## RATE SCHEDULE N (Commerical/Industrial)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
475.5	2	318,149	951.0	7,606,923	2,864,213.9	\$7,509.62	\$7,692.83
475.6	2	318,151	951.2	7,607,874	2,863,262.7	\$7,511.19	\$7,694.43
475.8	1	318,152	475.8	7,608,350	2,862,786.9	\$3,757.17	\$3,848.82
476	1	318,153	476.0	7,608,826	2,862,310.9	\$3,758.74	\$3,850.42
476.1	1	318,154	476.1	7,609,302	2,861,834.8	\$3,759.52	\$3,851.23
476.4	1	318,155	476.4	7,609,778	2,861,358.4	\$3,761.88	\$3,853.63
476.5	2	318,157	953.0	7,610,731	2,860,405.4	\$7,525.33	\$7,708.87
476.6	1	318,158	476.6	7,611,208	2,859,928.8	\$3,763.45	\$3,855.24
476.7	1	318,159	476.7	7,611,685	2,859,452.1	\$3,764.23	\$3,856.04
476.9	1	318,160	476.9	7,612,162	2,858,975.2	\$3,765.80	\$3,857.64
477	1	318,161	477.0	7,612,639	2,858,498.2	\$3,766.59	\$3,858.45
477.1	1	318,162	477.1	7,613,116	2,858,021.1	\$3,767.38	\$3,859.25
477.3	1	318,163	477.3	7,613,593	2,857,543.8	\$3,768.95	\$3,860.85
477.7	1	318,164	477.7	7,614,071	2,857,066.1	\$3,772.09	\$3,864.06
477.9	1	318,165	477.9	7,614,549	2,856,588.2	\$3,773.66	\$3,865.67
478	2	318,167	956.0	7,615,505	2,855,632.2	\$7,548.89	\$7,732.94
478.2	1	318,168	478.2	7,615,983	2,855,154.0	\$3,776.01	\$3,868.07
478.3	1	318,169	478.3	7,616,461	2,854,675.7	\$3,776.80	\$3,868.87
478.4	2	318,171	956.8	7,617,418	2,853,718.9	\$7,555.17	\$7,739.35
478.5	1	318,172	478.5	7,617,896	2,853,240.4	\$3,778.37	\$3,870.48
478.6	2	318,174	957.2	7,618,854	2,852,283.2	\$7,558.31	\$7,742.56
478.9	2	318,176	957.8	7,619,811	2,851,325.4	\$7,563.02	\$7,747.38
479	1	318,177	479.0	7,620,290	2,850,846.4	\$3,782.30	\$3,874.49
479.1	1	318,178	479.1	7,620,769	2,850,367.3	\$3,783.08	\$3,875.29
479.2	1	318,179	479.2	7,621,249	2,849,888.1	\$3,783.87	\$3,876.09
479.3	3	318,182	1,437.9	7,622,687	2,848,450.2	\$11,353.95	\$11,630.69
479.5	1	318,183	479.5	7,623,166	2,847,970.7	\$3,786.22	\$3,878.50
479.6	1	318,184	479.6	7,623,646	2,847,491.1	\$3,787.01	\$3,879.30
479.7	3	318,187	1,439.1	7,625,085	2,846,052.0	\$11,363.38	\$11,640.32
479.8	1	318,188	479.8	7,625,565	2,845,572.2	\$3,788.58	\$3,880.91
479.9	2	318,190	959.8	7,626,524	2,844,612.4	\$7,578.72	\$7,763.42
480	5	318,195	2,400.0	7,628,924	2,842,212.4	\$18,950.74	\$19,412.56
480.2	2	318,197	960.4	7,629,885	2,841,252.0	\$7,583.44	\$7,768.23
480.4	2	318,199	960.8	7,630,846	2,840,291.2	\$7,586.58	\$7,771.44
480.5	1	318,200	480.5	7,631,326	2,839,810.7	\$3,794.07	\$3,886.52
480.6	2	318,202	961.2	7,632,287	2,838,849.5	\$7,589.72	\$7,774.65
480.7	1	318,203	480.7	7,632,768	2,838,368.8	\$3,795.64	\$3,888.13
481	1	318,204	481.0	7,633,249	2,837,887.8	\$3,798.00	\$3,890.53
481.1	1	318,205	481.1	7,633,730	2,837,406.7	\$3,798.79	\$3,891.34
481.4	3	318,208	1,444.2	7,635,174	2,835,962.5	\$11,403.42	\$11,681.23
481.6	1	318,209	481.6	7,635,656	2,835,480.9	\$3,802.71	\$3,895.35
481.8	2	318,211	963.6	7,636,619	2,834,517.3	\$7,608.56	\$7,793.90
481.9	1	318,212	481.9	7,637,101	2,834,035.4	\$3,805.07	\$3,897.75
482.1	1	318,213	482.1	7,637,583	2,833,553.3	\$3,806.64	\$3,899.36
482.3	1	318,214	482.3	7,638,066	2,833,071.0	\$3,808.21	\$3,900.96
482.4	2	318,216	964.8	7,639,031	2,832,106.2	\$7,617.99	\$7,803.53

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
482.7	1	318,217	482.7	7,639,513	2,831,623.5	\$3,811.35	\$3,904.17
482.8	1	318,218	482.8	7,639,996	2,831,140.7	\$3,812.13	\$3,904.97
482.9	1	318,219	482.9	7,640,479	2,830,657.8	\$3,812.92	\$3,905.78
483	2	318,221	966.0	7,641,445	2,829,691.8	\$7,627.41	\$7,813.16
483.2	1	318,222	483.2	7,641,928	2,829,208.6	\$3,815.28	\$3,908.18
483.4	1	318,223	483.4	7,642,412	2,828,725.2	\$3,816.85	\$3,909.79
483.5	1	318,224	483.5	7,642,895	2,828,241.7	\$3,817.63	\$3,910.59
483.7	1	318,225	483.7	7,643,379	2,827,758.0	\$3,819.20	\$3,912.19
483.8	2	318,227	967.6	7,644,346	2,826,790.4	\$7,639.97	\$7,825.99
483.9	1	318,228	483.9	7,644,830	2,826,306.5	\$3,820.77	\$3,913.80
484	5	318,233	2,420.0	7,647,250	2,823,886.5	\$19,107.79	\$19,573.00
484.2	1	318,234	484.2	7,647,734	2,823,402.3	\$3,823.13	\$3,916.20
484.4	2	318,236	968.8	7,648,703	2,822,433.5	\$7,649.40	\$7,835.62
484.5	1	318,237	484.5	7,649,188	2,821,949.0	\$3,825.48	\$3,918.61
484.7	2	318,239	969.4	7,650,157	2,820,979.6	\$7,654.11	\$7,840.43
484.8	1	318,240	484.8	7,650,642	2,820,494.8	\$3,827.84	\$3,921.02
485	1	318,241	485.0	7,651,127	2,820,009.8	\$3,829.41	\$3,922.62
485.2	2	318,243	970.4	7,652,097	2,819,039.4	\$7,661.96	\$7,848.45
485.3	4	318,247	1,941.2	7,654,039	2,817,098.2	\$15,327.06	\$15,700.11
485.5	1	318,248	485.5	7,654,524	2,816,612.7	\$3,833.34	\$3,926.63
485.6	1	318,249	485.6	7,655,010	2,816,127.1	\$3,834.12	\$3,927.43
485.7	1	318,250	485.7	7,655,495	2,815,641.4	\$3,834.91	\$3,928.24
485.9	1	318,251	485.9	7,655,981	2,815,155.5	\$3,836.48	\$3,929.84
486	2	318,253	972.0	7,656,953	2,814,183.5	\$7,674.53	\$7,861.29
486.3	1	318,254	486.3	7,657,440	2,813,697.2	\$3,839.62	\$3,933.05
486.6	1	318,255	486.6	7,657,926	2,813,210.6	\$3,841.97	\$3,935.46
486.9	1	318,256	486.9	7,658,413	2,812,723.7	\$3,844.33	\$3,937.86
487	6	318,262	2,922.0	7,661,335	2,809,801.7	\$23,070.69	\$23,631.99
487.1	2	318,264	974.2	7,662,309	2,808,827.5	\$7,691.80	\$7,878.93
487.2	1	318,265	487.2	7,662,796	2,808,340.3	\$3,846.69	\$3,940.27
487.3	1	318,266	487.3	7,663,284	2,807,853.0	\$3,847.47	\$3,941.07
487.4	1	318,267	487.4	7,663,771	2,807,365.6	\$3,848.26	\$3,941.87
487.6	1	318,268	487.6	7,664,259	2,806,878.0	\$3,849.83	\$3,943.48
487.9	1	318,269	487.9	7,664,747	2,806,390.1	\$3,852.18	\$3,945.89
488.1	1	318,270	488.1	7,665,235	2,805,902.0	\$3,853.75	\$3,947.49
488.2	1	318,271	488.2	7,665,723	2,805,413.8	\$3,854.54	\$3,948.29
488.8	2	318,273	977.6	7,666,701	2,804,436.2	\$7,718.50	\$7,906.21
488.9	1	318,274	488.9	7,667,189	2,803,947.3	\$3,860.03	\$3,953.91
489	3	318,277	1,467.0	7,668,656	2,802,480.3	\$11,582.46	\$11,864.13
489.9	1	318,278	489.9	7,669,146	2,801,990.4	\$3,867.89	\$3,961.93
490	1	318,279	490.0	7,669,636	2,801,500.4	\$3,868.67	\$3,962.73
490.1	1	318,280	490.1	7,670,126	2,801,010.3	\$3,869.46	\$3,963.53
490.5	1	318,281	490.5	7,670,617	2,800,519.8	\$3,872.60	\$3,966.74
490.9	2	318,283	981.8	7,671,599	2,799,538.0	\$7,751.48	\$7,939.90
491	2	318,285	982.0	7,672,581	2,798,556.0	\$7,753.05	\$7,941.51
491.2	2	318,287	982.4	7,673,563	2,797,573.6	\$7,756.19	\$7,944.71



## RATE SCHEDULE N (Commerical/Industrial)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
491.3	1	318,288	491.3	7,674,054	2,797,082.3	\$3,878.88	\$3,973.16
491.6	2	318,290	983.2	7,675,038	2,796,099.1	\$7,762.47	\$7,951.13
491.9	1	318,291	491.9	7,675,530	2,795,607.2	\$3,883.59	\$3,977.97
492.2	4	318,295	1,968.8	7,677,498	2,793,638.4	\$15,543.79	\$15,921.52
492.3	2	318,297	984.6	7,678,483	2,792,653.8	\$7,773.47	\$7,962.36
492.6	1	318,298	492.6	7,678,976	2,792,161.2	\$3,889.09	\$3,983.59
492.7	2	318,300	985.4	7,679,961	2,791,175.8	\$7,779.75	\$7,968.78
492.8	1	318,301	492.8	7,680,454	2,790,683.0	\$3,890.66	\$3,985.19
492.9	1	318,302	492.9	7,680,947	2,790,190.1	\$3,891.44	\$3,985.99
493	3	318,305	1,479.0	7,682,426	2,788,711.1	\$11,676.69	\$11,960.39
493.1	1	318,306	493.1	7,682,919	2,788,218.0	\$3,893.02	\$3,987.60
493.3	1	318,307	493.3	7,683,412	2,787,724.7	\$3,894.59	\$3,989.20
493.4	2	318,309	986.8	7,684,399	2,786,737.9	\$7,790.74	\$7,980.01
493.5	1	318,310	493.5	7,684,892	2,786,244.4	\$3,896.16	\$3,990.81
493.9	1	318,311	493.9	7,685,386	2,785,750.5	\$3,899.30	\$3,994.02
494.1	1	318,312	494.1	7,685,880	2,785,256.4	\$3,900.87	\$3,995.62
494.5	1	318,313	494.5	7,686,375	2,784,761.9	\$3,904.01	\$3,998.83
494.6	1	318,314	494.6	7,686,869	2,784,267.3	\$3,904.79	\$3,999.63
494.7	1	318,315	494.7	7,687,364	2,783,772.6	\$3,905.58	\$4,000.43
495	2	318,317	990.0	7,688,354	2,782,782.6	\$7,815.87	\$8,005.68
495.3	1	318,318	495.3	7,688,849	2,782,287.3	\$3,910.29	\$4,005.25
495.5	1	318,319	495.5	7,689,345	2,781,791.8	\$3,911.86	\$4,006.85
495.6	1	318,320	495.6	7,689,841	2,781,296.2	\$3,912.65	\$4,007.65
495.7	2	318,322	991.4	7,690,832	2,780,304.8	\$7,826.86	\$8,016.91
495.8	1	318,323	495.8	7,691,328	2,779,809.0	\$3,914.22	\$4,009.26
495.9	2	318,325	991.8	7,692,320	2,778,817.2	\$7,830.00	\$8,020.12
496	2	318,327	992.0	7,693,312	2,777,825.2	\$7,831.58	\$8,021.72
496.1	1	318,328	496.1	7,693,808	2,777,329.1	\$3,916.57	\$4,011.66
496.4	1	318,329	496.4	7,694,304	2,776,832.7	\$3,918.93	\$4,014.07
496.6	1	318,330	496.6	7,694,801	2,776,336.1	\$3,920.50	\$4,015.68
496.9	1	318,331	496.9	7,695,298	2,775,839.2	\$3,922.85	\$4,018.08
497	1	318,332	497.0	7,695,795	2,775,342.2	\$3,923.64	\$4,018.88
497.2	1	318,333	497.2	7,696,292	2,774,845.0	\$3,925.21	\$4,020.49
497.3	2	318,335	994.6	7,697,286	2,773,850.4	\$7,851.99	\$8,042.58
497.6	1	318,336	497.6	7,697,784	2,773,352.8	\$3,928.35	\$4,023.70
498	3	318,339	1,494.0	7,699,278	2,771,858.8	\$11,794.48	\$12,080.72
498.3	2	318,341	996.6	7,700,275	2,770,862.2	\$7,867.70	\$8,058.63
498.7	2	318,343	997.4	7,701,272	2,769,864.8	\$7,873.98	\$8,065.04
498.8	1	318,344	498.8	7,701,771	2,769,366.0	\$3,937.77	\$4,033.32
498.9	2	318,346	997.8	7,702,769	2,768,368.2	\$7,877.12	\$8,068.25
499	7	318,353	3,493.0	7,706,262	2,764,875.2	\$27,575.42	\$28,244.50
499.1	1	318,354	499.1	7,706,761	2,764,376.1	\$3,940.13	\$4,035.73
499.3	1	318,355	499.3	7,707,260	2,763,876.8	\$3,941.70	\$4,037.33
499.7	1	318,356	499.7	7,707,760	2,763,377.1	\$3,944.84	\$4,040.54
500	1	318,357	500.0	7,708,260	2,762,877.1	\$3,947.20	\$4,042.95
500.4	2	318,359	1,000.8	7,709,260	2,761,876.3	\$7,899.74	\$8,092.32

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
500.7	2	318,361	1,001.4	7,710,262	2,760,874.9	\$7,903.75	\$8,097.13
501.1	2	318,363	1,002.2	7,711,264	2,759,872.7	\$7,909.10	\$8,103.55
501.2	1	318,364	501.2	7,711,765	2,759,371.5	\$3,955.22	\$4,052.58
501.4	1	318,365	501.4	7,712,267	2,758,870.1	\$3,956.56	\$4,054.18
501.5	3	318,368	1,504.5	7,713,771	2,757,365.6	\$11,871.68	\$12,164.95
501.6	1	318,369	501.6	7,714,273	2,756,864.0	\$3,957.89	\$4,055.79
501.8	1	318,370	501.8	7,714,775	2,756,362.2	\$3,959.23	\$4,057.39
502	2	318,372	1,004.0	7,715,779	2,755,358.2	\$7,921.14	\$8,117.99
502.1	1	318,373	502.1	7,716,281	2,754,856.1	\$3,961.24	\$4,059.80
502.2	1	318,374	502.2	7,716,783	2,754,353.9	\$3,961.91	\$4,060.60
502.3	1	318,375	502.3	7,717,285	2,753,851.6	\$3,962.57	\$4,061.40
502.4	1	318,376	502.4	7,717,788	2,753,349.2	\$3,963.24	\$4,062.20
502.7	1	318,377	502.7	7,718,290	2,752,846.5	\$3,965.25	\$4,064.61
502.9	1	318,378	502.9	7,718,793	2,752,343.6	\$3,966.59	\$4,066.21
503	2	318,380	1,006.0	7,719,799	2,751,337.6	\$7,934.51	\$8,134.03
503.1	1	318,381	503.1	7,720,302	2,750,834.5	\$3,967.92	\$4,067.82
503.7	1	318,382	503.7	7,720,806	2,750,330.8	\$3,971.93	\$4,072.63
504	4	318,386	2,016.0	7,722,822	2,748,314.8	\$15,895.76	\$16,300.15
504.1	1	318,387	504.1	7,723,326	2,747,810.7	\$3,974.61	\$4,075.84
504.2	1	318,388	504.2	7,723,830	2,747,306.5	\$3,975.28	\$4,076.64
504.4	2	318,390	1,008.8	7,724,839	2,746,297.7	\$7,953.23	\$8,156.49
504.5	1	318,391	504.5	7,725,344	2,745,793.2	\$3,977.28	\$4,079.05
504.6	2	318,393	1,009.2	7,726,353	2,744,784.0	\$7,955.90	\$8,159.70
504.7	1	318,394	504.7	7,726,857	2,744,279.3	\$3,978.62	\$4,080.65
504.8	1	318,395	504.8	7,727,362	2,743,774.5	\$3,979.29	\$4,081.46
504.9	1	318,396	504.9	7,727,867	2,743,269.6	\$3,979.96	\$4,082.26
505	6	318,402	3,030.0	7,730,897	2,740,239.6	\$23,883.75	\$24,498.36
505.7	1	318,403	505.7	7,731,403	2,739,733.9	\$3,985.30	\$4,088.67
505.8	1	318,404	505.8	7,731,909	2,739,228.1	\$3,985.97	\$4,089.48
506	1	318,405	506.0	7,732,415	2,738,722.1	\$3,987.31	\$4,091.08
506.1	1	318,406	506.1	7,732,921	2,738,216.0	\$3,987.98	\$4,091.88
506.6	1	318,407	506.6	7,733,427	2,737,709.4	\$3,991.32	\$4,095.89
506.9	2	318,409	1,013.8	7,734,441	2,736,695.6	\$7,986.65	\$8,196.60
507	1	318,410	507.0	7,734,948	2,736,188.6	\$3,994.00	\$4,099.10
507.1	1	318,411	507.1	7,735,455	2,735,681.5	\$3,994.66	\$4,099.91
507.5	1	318,412	507.5	7,735,963	2,735,174.0	\$3,997.34	\$4,103.11
508	2	318,414	1,016.0	7,736,979	2,734,158.0	\$8,001.36	\$8,214.25
508.8	1	318,415	508.8	7,737,488	2,733,649.2	\$4,006.03	\$4,113.54
509	1	318,416	509.0	7,737,997	2,733,140.2	\$4,007.37	\$4,115.15
509.1	1	318,417	509.1	7,738,506	2,732,631.1	\$4,008.03	\$4,115.95
509.3	1	318,418	509.3	7,739,015	2,732,121.8	\$4,009.37	\$4,117.55
509.4	2	318,420	1,018.8	7,740,034	2,731,103.0	\$8,020.08	\$8,236.71
509.5	1	318,421	509.5	7,740,543	2,730,593.5	\$4,010.71	\$4,119.16
509.8	1	318,422	509.8	7,741,053	2,730,083.7	\$4,012.71	\$4,121.56
509.9	1	318,423	509.9	7,741,563	2,729,573.8	\$4,013.38	\$4,122.37
510	6	318,429	3,060.0	7,744,623	2,726,513.8	\$24,084.31	\$24,739.01

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
510.1	2	318,431	1,020.2	7,745,643	2,725,493.6	\$8,029.44	\$8,247.94
510.3	1	318,432	510.3	7,746,153	2,724,983.3	\$4,016.06	\$4,125.58
511	1	318,433	511.0	7,746,664	2,724,472.3	\$4,020.74	\$4,131.19
511.1	1	318,434	511.1	7,747,176	2,723,961.2	\$4,021.41	\$4,131.99
511.7	1	318,435	511.7	7,747,687	2,723,449.5	\$4,025.42	\$4,136.81
511.8	1	318,436	511.8	7,748,199	2,722,937.7	\$4,026.09	\$4,137.61
512	3	318,439	1,536.0	7,749,735	2,721,401.7	\$12,082.27	\$12,417.64
512.1	1	318,440	512.1	7,750,247	2,720,889.6	\$4,028.09	\$4,140.01
512.4	2	318,442	1,024.8	7,751,272	2,719,864.8	\$8,060.19	\$8,284.84
513	1	318,443	513.0	7,751,785	2,719,351.8	\$4,034.11	\$4,147.23
513.3	1	318,444	513.3	7,752,298	2,718,838.5	\$4,036.11	\$4,149.64
514	1	318,445	514.0	7,752,812	2,718,324.5	\$4,040.79	\$4,155.26
514.1	2	318,447	1,028.2	7,753,840	2,717,296.3	\$8,082.92	\$8,312.12
514.3	3	318,450	1,542.9	7,755,383	2,715,753.4	\$12,128.40	\$12,472.99
514.4	1	318,451	514.4	7,755,898	2,715,239.0	\$4,043.47	\$4,158.47
514.5	1	318,452	514.5	7,756,412	2,714,724.5	\$4,044.14	\$4,159.27
514.8	1	318,453	514.8	7,756,927	2,714,209.7	\$4,046.14	\$4,161.67
514.9	2	318,455	1,029.8	7,757,957	2,713,179.9	\$8,093.62	\$8,324.95
515	2	318,457	1,030.0	7,758,987	2,712,149.9	\$8,094.96	\$8,326.56
515.2	2	318,459	1,030.4	7,760,017	2,711,119.5	\$8,097.63	\$8,329.77
515.3	2	318,461	1,030.6	7,761,048	2,710,088.9	\$8,098.97	\$8,331.37
515.6	1	318,462	515.6	7,761,563	2,709,573.3	\$4,051.49	\$4,168.09
515.7	1	318,463	515.7	7,762,079	2,709,057.6	\$4,052.16	\$4,168.89
516	2	318,465	1,032.0	7,763,111	2,708,025.6	\$8,108.33	\$8,342.60
516.2	1	318,466	516.2	7,763,627	2,707,509.4	\$4,055.50	\$4,172.90
516.3	3	318,469	1,548.9	7,765,176	2,705,960.5	\$12,168.51	\$12,521.12
516.4	1	318,470	516.4	7,765,693	2,705,444.1	\$4,056.84	\$4,174.51
516.5	1	318,471	516.5	7,766,209	2,704,927.6	\$4,057.51	\$4,175.31
516.9	1	318,472	516.9	7,766,726	2,704,410.7	\$4,060.18	\$4,178.52
517.1	1	318,473	517.1	7,767,243	2,703,893.6	\$4,061.52	\$4,180.12
517.5	1	318,474	517.5	7,767,761	2,703,376.1	\$4,064.19	\$4,183.33
517.6	1	318,475	517.6	7,768,278	2,702,858.5	\$4,064.86	\$4,184.14
517.7	1	318,476	517.7	7,768,796	2,702,340.8	\$4,065.53	\$4,184.94
517.8	2	318,478	1,035.6	7,769,832	2,701,305.2	\$8,132.40	\$8,371.48
518	1	318,479	518.0	7,770,350	2,700,787.2	\$4,067.53	\$4,187.34
518.2	2	318,481	1,036.4	7,771,386	2,699,750.8	\$8,137.74	\$8,377.90
518.3	1	318,482	518.3	7,771,904	2,699,232.5	\$4,069.54	\$4,189.75
519	2	318,484	1,038.0	7,772,942	2,698,194.5	\$8,148.44	\$8,390.73
519.2	1	318,485	519.2	7,773,461	2,697,675.3	\$4,075.56	\$4,196.97
519.7	1	318,486	519.7	7,773,981	2,697,155.6	\$4,078.90	\$4,200.98
519.8	1	318,487	519.8	7,774,501	2,696,635.8	\$4,079.57	\$4,201.78
520	2	318,489	1,040.0	7,775,541	2,695,595.8	\$8,161.81	\$8,406.78
520.2	1	318,490	520.2	7,776,061	2,695,075.6	\$4,082.24	\$4,204.99
520.4	1	318,491	520.4	7,776,582	2,694,555.2	\$4,083.58	\$4,206.60
520.8	2	318,493	1,041.6	7,777,623	2,693,513.6	\$8,172.51	\$8,419.61
521	3	318,496	1,563.0	7,779,186	2,691,950.6	\$12,262.77	\$12,634.23

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
521.1	2	318,498	1,042.2	7,780,228	2,690,908.4	\$8,176.52	\$8,424.42
521.2	1	318,499	521.2	7,780,750	2,690,387.2	\$4,088.93	\$4,213.01
521.3	1	318,500	521.3	7,781,271	2,689,865.9	\$4,089.60	\$4,213.82
521.4	1	318,501	521.4	7,781,792	2,689,344.5	\$4,090.27	\$4,214.62
521.6	3	318,504	1,564.8	7,783,357	2,687,779.7	\$12,274.81	\$12,648.67
522	3	318,507	1,566.0	7,784,923	2,686,213.7	\$12,282.83	\$12,658.30
522.1	2	318,509	1,044.2	7,785,967	2,685,169.5	\$8,189.89	\$8,440.47
522.2	1	318,510	522.2	7,786,489	2,684,647.3	\$4,095.61	\$4,221.04
522.5	3	318,513	1,567.5	7,788,057	2,683,079.8	\$12,292.86	\$12,670.33
522.8	1	318,514	522.8	7,788,580	2,682,557.0	\$4,099.62	\$4,225.85
522.9	1	318,515	522.9	7,789,103	2,682,034.1	\$4,100.29	\$4,226.65
523	2	318,517	1,046.0	7,790,149	2,680,988.1	\$8,201.92	\$8,454.91
523.1	1	318,518	523.1	7,790,672	2,680,465.0	\$4,101.63	\$4,228.26
523.2	1	318,519	523.2	7,791,195	2,679,941.8	\$4,102.30	\$4,229.06
523.3	2	318,521	1,046.6	7,792,242	2,678,895.2	\$8,205.93	\$8,459.72
523.6	2	318,523	1,047.2	7,793,289	2,677,848.0	\$8,209.95	\$8,464.53
523.8	1	318,524	523.8	7,793,813	2,677,324.2	\$4,106.31	\$4,233.87
523.9	1	318,525	523.9	7,794,336	2,676,800.3	\$4,106.98	\$4,234.67
524	1	318,526	524.0	7,794,860	2,676,276.3	\$4,107.65	\$4,235.48
524.3	1	318,527	524.3	7,795,385	2,675,752.0	\$4,109.65	\$4,237.88
524.5	1	318,528	524.5	7,795,909	2,675,227.5	\$4,110.99	\$4,239.49
525.1	1	318,529	525.1	7,796,434	2,674,702.4	\$4,115.00	\$4,244.30
525.2	1	318,530	525.2	7,796,960	2,674,177.2	\$4,115.67	\$4,245.10
525.4	2	318,532	1,050.8	7,798,010	2,673,126.4	\$8,234.01	\$8,493.41
525.8	1	318,533	525.8	7,798,536	2,672,600.6	\$4,119.68	\$4,249.92
526.3	1	318,534	526.3	7,799,062	2,672,074.3	\$4,123.02	\$4,253.93
526.4	2	318,536	1,052.8	7,800,115	2,671,021.5	\$8,247.38	\$8,509.46
526.5	1	318,537	526.5	7,800,642	2,670,495.0	\$4,124.36	\$4,255.53
526.6	1	318,538	526.6	7,801,168	2,669,968.4	\$4,125.03	\$4,256.33
526.8	1	318,539	526.8	7,801,695	2,669,441.6	\$4,126.37	\$4,257.94
527	1	318,540	527.0	7,802,222	2,668,914.6	\$4,127.70	\$4,259.54
527.2	1	318,541	527.2	7,802,749	2,668,387.4	\$4,129.04	\$4,261.15
527.5	1	318,542	527.5	7,803,277	2,667,859.9	\$4,131.05	\$4,263.55
527.6	1	318,543	527.6	7,803,804	2,667,332.3	\$4,131.71	\$4,264.35
528	4	318,547	2,112.0	7,805,916	2,665,220.3	\$16,537.55	\$17,070.25
528.2	1	318,548	528.2	7,806,445	2,664,692.1	\$4,135.73	\$4,269.17
528.3	1	318,549	528.3	7,806,973	2,664,163.8	\$4,136.39	\$4,269.97
528.4	2	318,551	1,056.8	7,808,030	2,663,107.0	\$8,274.13	\$8,541.54
528.6	1	318,552	528.6	7,808,558	2,662,578.4	\$4,138.40	\$4,272.38
528.9	3	318,555	1,586.7	7,810,145	2,660,991.7	\$12,421.22	\$12,824.35
529	1	318,556	529.0	7,810,674	2,660,462.7	\$4,141.07	\$4,275.59
530	3	318,559	1,590.0	7,812,264	2,658,872.7	\$12,443.28	\$12,850.82
530.7	1	318,560	530.7	7,812,795	2,658,342.0	\$4,152.44	\$4,289.22
530.9	1	318,561	530.9	7,813,326	2,657,811.1	\$4,153.78	\$4,290.83
531	1	318,562	531.0	7,813,857	2,657,280.1	\$4,154.44	\$4,291.63
531.2	3	318,565	1,593.6	7,815,450	2,655,686.5	\$12,467.35	\$12,879.70

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
531.5	1	318,566	531.5	7,815,982	2,655,155.0	\$4,157.79	\$4,295.64
531.6	1	318,567	531.6	7,816,513	2,654,623.4	\$4,158.46	\$4,296.44
531.7	1	318,568	531.7	7,817,045	2,654,091.7	\$4,159.12	\$4,297.24
532.1	1	318,569	532.1	7,817,577	2,653,559.6	\$4,161.80	\$4,300.45
532.2	1	318,570	532.2	7,818,109	2,653,027.4	\$4,162.47	\$4,301.26
532.8	2	318,572	1,065.6	7,819,175	2,651,961.8	\$8,332.96	\$8,612.14
533	1	318,573	533.0	7,819,708	2,651,428.8	\$4,167.82	\$4,307.67
533.2	1	318,574	533.2	7,820,241	2,650,895.6	\$4,169.15	\$4,309.28
533.3	1	318,575	533.3	7,820,774	2,650,362.3	\$4,169.82	\$4,310.08
533.6	1	318,576	533.6	7,821,308	2,649,828.7	\$4,171.83	\$4,312.49
533.9	1	318,577	533.9	7,821,842	2,649,294.8	\$4,173.83	\$4,314.89
534	1	318,578	534.0	7,822,376	2,648,760.8	\$4,174.50	\$4,315.69
534.4	1	318,579	534.4	7,822,910	2,648,226.4	\$4,177.18	\$4,318.90
534.5	1	318,580	534.5	7,823,445	2,647,691.9	\$4,177.84	\$4,319.71
535	1	318,581	535.0	7,823,980	2,647,156.9	\$4,181.19	\$4,323.72
535.2	1	318,582	535.2	7,824,515	2,646,621.7	\$4,182.52	\$4,325.32
536.6	1	318,583	536.6	7,825,052	2,646,085.1	\$4,191.88	\$4,336.55
537	3	318,586	1,611.0	7,826,663	2,644,474.1	\$12,583.67	\$13,019.28
537.2	2	318,588	1,074.4	7,827,737	2,643,399.7	\$8,391.79	\$8,682.73
537.9	3	318,591	1,613.7	7,829,351	2,641,786.0	\$12,601.72	\$13,040.94
538.3	1	318,592	538.3	7,829,889	2,641,247.7	\$4,203.25	\$4,350.19
538.4	1	318,593	538.4	7,830,427	2,640,709.3	\$4,203.92	\$4,350.99
538.8	1	318,594	538.8	7,830,966	2,640,170.5	\$4,206.59	\$4,354.20
539.7	2	318,596	1,079.4	7,832,046	2,639,091.1	\$8,425.22	\$8,722.84
539.8	1	318,597	539.8	7,832,585	2,638,551.3	\$4,213.28	\$4,362.22
539.9	1	318,598	539.9	7,833,125	2,638,011.4	\$4,213.94	\$4,363.02
540.1	1	318,599	540.1	7,833,665	2,637,471.3	\$4,215.28	\$4,364.63
540.4	1	318,600	540.4	7,834,206	2,636,930.9	\$4,217.29	\$4,367.03
540.7	1	318,601	540.7	7,834,747	2,636,390.2	\$4,219.29	\$4,369.44
540.9	1	318,602	540.9	7,835,287	2,635,849.3	\$4,220.63	\$4,371.05
541	2	318,604	1,082.0	7,836,369	2,634,767.3	\$8,442.60	\$8,743.70
541.2	1	318,605	541.2	7,836,911	2,634,226.1	\$4,222.64	\$4,373.45
541.4	1	318,606	541.4	7,837,452	2,633,684.7	\$4,223.97	\$4,375.06
541.5	1	318,607	541.5	7,837,994	2,633,143.2	\$4,224.64	\$4,375.86
541.6	1	318,608	541.6	7,838,535	2,632,601.6	\$4,225.31	\$4,376.66
542	6	318,614	3,252.0	7,841,787	2,629,349.6	\$25,367.91	\$26,279.22
542.6	1	318,615	542.6	7,842,330	2,628,807.0	\$4,232.00	\$4,384.68
542.8	1	318,616	542.8	7,842,873	2,628,264.2	\$4,233.33	\$4,386.29
542.9	1	318,617	542.9	7,843,415	2,627,721.3	\$4,234.00	\$4,387.09
543	1	318,618	543.0	7,843,958	2,627,178.3	\$4,234.67	\$4,387.89
543.2	1	318,619	543.2	7,844,502	2,626,635.1	\$4,236.01	\$4,389.50
543.3	1	318,620	543.3	7,845,045	2,626,091.8	\$4,236.68	\$4,390.30
543.6	1	318,621	543.6	7,845,589	2,625,548.2	\$4,238.68	\$4,392.70
543.7	1	318,622	543.7	7,846,132	2,625,004.5	\$4,239.35	\$4,393.51
543.8	2	318,624	1,087.6	7,847,220	2,623,916.9	\$8,480.04	\$8,788.62
543.9	1	318,625	543.9	7,847,764	2,623,373.0	\$4,240.69	\$4,395.11

## RATE SCHEDULE N (Commerical/Industrial)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
544	1	318,626	544.0	7,848,308	2,622,829.0	\$4,241.36	\$4,395.91
544.1	4	318,630	2,176.4	7,850,484	2,620,652.6	\$16,968.09	\$17,586.86
544.7	1	318,631	544.7	7,851,029	2,620,107.9	\$4,246.03	\$4,401.53
545	1	318,632	545.0	7,851,574	2,619,562.9	\$4,248.04	\$4,403.94
545.1	1	318,633	545.1	7,852,119	2,619,017.8	\$4,248.71	\$4,404.74
545.6	2	318,635	1,091.2	7,853,210	2,617,926.6	\$8,504.10	\$8,817.50
545.7	1	318,636	545.7	7,853,756	2,617,380.9	\$4,252.72	\$4,409.55
545.8	1	318,637	545.8	7,854,302	2,616,835.1	\$4,253.39	\$4,410.35
546	2	318,639	1,092.0	7,855,394	2,615,743.1	\$8,509.45	\$8,823.91
546.3	1	318,640	546.3	7,855,940	2,615,196.8	\$4,256.73	\$4,414.36
546.4	1	318,641	546.4	7,856,486	2,614,650.4	\$4,257.40	\$4,415.17
546.8	2	318,643	1,093.6	7,857,580	2,613,556.8	\$8,520.15	\$8,836.75
546.9	1	318,644	546.9	7,858,127	2,613,009.9	\$4,260.74	\$4,419.18
547	2	318,646	1,094.0	7,859,221	2,611,915.9	\$8,522.82	\$8,839.96
547.1	1	318,647	547.1	7,859,768	2,611,368.8	\$4,262.08	\$4,420.78
547.4	2	318,649	1,094.8	7,860,863	2,610,274.0	\$8,528.17	\$8,846.38
547.5	2	318,651	1,095.0	7,861,958	2,609,179.0	\$8,529.51	\$8,847.98
547.7	1	318,652	547.7	7,862,505	2,608,631.3	\$4,266.09	\$4,425.59
548	1	318,653	548.0	7,863,053	2,608,083.3	\$4,268.10	\$4,428.00
548.2	2	318,655	1,096.4	7,864,150	2,606,986.9	\$8,538.87	\$8,859.21
549	1	318,656	549.0	7,864,699	2,606,437.9	\$4,274.78	\$4,436.02
549.8	1	318,657	549.8	7,865,249	2,605,888.1	\$4,280.13	\$4,442.44
550.1	1	318,658	550.1	7,865,799	2,605,338.0	\$4,282.14	\$4,444.85
550.2	1	318,659	550.2	7,866,349	2,604,787.8	\$4,282.80	\$4,445.65
550.8	1	318,660	550.8	7,866,900	2,604,237.0	\$4,286.82	\$4,450.46
550.9	2	318,662	1,101.8	7,868,002	2,603,135.2	\$8,574.97	\$8,902.53
551.1	1	318,663	551.1	7,868,553	2,602,584.1	\$4,288.82	\$4,452.87
551.3	1	318,664	551.3	7,869,104	2,602,032.8	\$4,290.16	\$4,454.47
551.7	1	318,665	551.7	7,869,656	2,601,481.1	\$4,292.83	\$4,457.68
552	1	318,666	552.0	7,870,208	2,600,929.1	\$4,294.84	\$4,460.09
552.6	2	318,668	1,105.2	7,871,313	2,599,823.9	\$8,597.70	\$8,929.80
552.7	1	318,669	552.7	7,871,866	2,599,271.2	\$4,299.52	\$4,465.70
553	2	318,671	1,106.0	7,872,972	2,598,165.2	\$8,603.05	\$8,936.22
553.3	2	318,673	1,106.6	7,874,078	2,597,058.6	\$8,607.06	\$8,941.03
553.6	1	318,674	553.6	7,874,632	2,596,505.0	\$4,305.53	\$4,472.92
554.1	2	318,676	1,108.2	7,875,740	2,595,396.8	\$8,617.76	\$8,953.87
554.4	1	318,677	554.4	7,876,294	2,594,842.4	\$4,310.88	\$4,479.34
554.7	1	318,678	554.7	7,876,849	2,594,287.7	\$4,312.89	\$4,481.75
555	2	318,680	1,110.0	7,877,959	2,593,177.7	\$8,629.79	\$8,968.31
555.1	2	318,682	1,110.2	7,879,069	2,592,067.5	\$8,631.13	\$8,969.91
555.3	2	318,684	1,110.6	7,880,180	2,590,956.9	\$8,633.80	\$8,973.12
555.4	1	318,685	555.4	7,880,735	2,590,401.5	\$4,317.57	\$4,487.36
555.8	1	318,686	555.8	7,881,291	2,589,845.7	\$4,320.24	\$4,490.57
556	2	318,688	1,112.0	7,882,403	2,588,733.7	\$8,643.16	\$8,984.35
556.1	1	318,689	556.1	7,882,959	2,588,177.6	\$4,322.25	\$4,492.98
556.6	1	318,690	556.6	7,883,516	2,587,621.0	\$4,325.59	\$4,496.99

## RATE SCHEDULE N (Commerical/Industrial)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
556.9	3	318,693	1,670.7	7,885,186	2,585,950.3	\$12,982.79	\$13,498.19
557	1	318,694	557.0	7,885,743	2,585,393.3	\$4,328.27	\$4,500.20
557.3	1	318,695	557.3	7,886,301	2,584,836.0	\$4,330.27	\$4,502.60
557.4	1	318,696	557.4	7,886,858	2,584,278.6	\$4,330.94	\$4,503.41
557.5	2	318,698	1,115.0	7,887,973	2,583,163.6	\$8,663.22	\$9,008.42
557.9	1	318,699	557.9	7,888,531	2,582,605.7	\$4,334.28	\$4,507.42
558.1	2	318,701	1,116.2	7,889,647	2,581,489.5	\$8,671.24	\$9,018.04
558.2	1	318,702	558.2	7,890,205	2,580,931.3	\$4,336.29	\$4,509.82
558.5	1	318,703	558.5	7,890,764	2,580,372.8	\$4,338.29	\$4,512.23
558.6	2	318,705	1,117.2	7,891,881	2,579,255.6	\$8,677.92	\$9,026.07
559	1	318,706	559.0	7,892,440	2,578,696.6	\$4,341.64	\$4,516.24
559.1	1	318,707	559.1	7,892,999	2,578,137.5	\$4,342.30	\$4,517.04
559.2	1	318,708	559.2	7,893,558	2,577,578.3	\$4,342.97	\$4,517.85
559.8	1	318,709	559.8	7,894,118	2,577,018.5	\$4,346.98	\$4,522.66
560	1	318,710	560.0	7,894,678	2,576,458.5	\$4,348.32	\$4,524.26
560.1	1	318,711	560.1	7,895,238	2,575,898.4	\$4,348.99	\$4,525.07
560.2	2	318,713	1,120.4	7,896,359	2,574,778.0	\$8,699.32	\$9,051.74
560.5	1	318,714	560.5	7,896,919	2,574,217.5	\$4,351.66	\$4,528.27
560.8	1	318,715	560.8	7,897,480	2,573,656.7	\$4,353.67	\$4,530.68
560.9	1	318,716	560.9	7,898,041	2,573,095.8	\$4,354.34	\$4,531.48
561	1	318,717	561.0	7,898,602	2,572,534.8	\$4,355.01	\$4,532.29
561.1	1	318,718	561.1	7,899,163	2,571,973.7	\$4,355.68	\$4,533.09
561.2	1	318,719	561.2	7,899,724	2,571,412.5	\$4,356.34	\$4,533.89
561.4	1	318,720	561.4	7,900,286	2,570,851.1	\$4,357.68	\$4,535.49
561.6	2	318,722	1,123.2	7,901,409	2,569,727.9	\$8,718.04	\$9,074.20
561.9	1	318,723	561.9	7,901,971	2,569,166.0	\$4,361.02	\$4,539.51
562	2	318,725	1,124.0	7,903,095	2,568,042.0	\$8,723.38	\$9,080.62
562.2	1	318,726	562.2	7,903,657	2,567,479.8	\$4,363.03	\$4,541.91
562.8	1	318,727	562.8	7,904,220	2,566,917.0	\$4,367.04	\$4,546.73
563	4	318,731	2,252.0	7,906,472	2,564,665.0	\$17,473.51	\$18,193.32
563.6	1	318,732	563.6	7,907,035	2,564,101.4	\$4,372.39	\$4,553.14
563.8	1	318,733	563.8	7,907,599	2,563,537.6	\$4,373.73	\$4,554.75
564.1	1	318,734	564.1	7,908,163	2,562,973.5	\$4,375.73	\$4,557.15
564.2	1	318,735	564.2	7,908,727	2,562,409.3	\$4,376.40	\$4,557.96
564.5	1	318,736	564.5	7,909,292	2,561,844.8	\$4,378.41	\$4,560.36
564.8	2	318,738	1,129.6	7,910,422	2,560,715.2	\$8,760.82	\$9,125.54
564.9	1	318,739	564.9	7,910,986	2,560,150.3	\$4,381.08	\$4,563.57
565	2	318,741	1,130.0	7,912,116	2,559,020.3	\$8,763.50	\$9,128.75
565.1	2	318,743	1,130.2	7,913,247	2,557,890.1	\$8,764.83	\$9,130.35
565.4	3	318,746	1,696.2	7,914,943	2,556,193.9	\$13,153.27	\$13,702.75
565.5	1	318,747	565.5	7,915,508	2,555,628.4	\$4,385.09	\$4,568.38
565.6	1	318,748	565.6	7,916,074	2,555,062.8	\$4,385.76	\$4,569.19
565.9	2	318,750	1,131.8	7,917,206	2,553,931.0	\$8,775.53	\$9,143.19
566	1	318,751	566.0	7,917,772	2,553,365.0	\$4,388.43	\$4,572.40
566.4	1	318,752	566.4	7,918,338	2,552,798.6	\$4,391.11	\$4,575.60
566.9	1	318,753	566.9	7,918,905	2,552,231.7	\$4,394.45	\$4,579.62

## RATE SCHEDULE N (Commerical/Industrial)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
567	1	318,754	567.0	7,919,472	2,551,664.7	\$4,395.12	\$4,580.42
567.3	1	318,755	567.3	7,920,039	2,551,097.4	\$4,397.12	\$4,582.82
567.5	1	318,756	567.5	7,920,607	2,550,529.9	\$4,398.46	\$4,584.43
567.7	1	318,757	567.7	7,921,175	2,549,962.2	\$4,399.80	\$4,586.03
567.9	1	318,758	567.9	7,921,742	2,549,394.3	\$4,401.14	\$4,587.64
568.2	1	318,759	568.2	7,922,311	2,548,826.1	\$4,403.14	\$4,590.04
568.7	1	318,760	568.7	7,922,879	2,548,257.4	\$4,406.48	\$4,594.05
569	2	318,762	1,138.0	7,924,017	2,547,119.4	\$8,816.98	\$9,192.92
569.2	1	318,763	569.2	7,924,587	2,546,550.2	\$4,409.83	\$4,598.07
569.3	1	318,764	569.3	7,925,156	2,545,980.9	\$4,410.50	\$4,598.87
569.6	1	318,765	569.6	7,925,725	2,545,411.3	\$4,412.50	\$4,601.27
570	1	318,766	570.0	7,926,295	2,544,841.3	\$4,415.18	\$4,604.48
570.2	2	318,768	1,140.4	7,927,436	2,543,700.9	\$8,833.03	\$9,212.17
570.5	1	318,769	570.5	7,928,006	2,543,130.4	\$4,418.52	\$4,608.49
570.6	1	318,770	570.6	7,928,577	2,542,559.8	\$4,419.19	\$4,609.30
571	3	318,773	1,713.0	7,930,290	2,540,846.8	\$13,265.58	\$13,837.51
571.2	1	318,774	571.2	7,930,861	2,540,275.6	\$4,423.20	\$4,614.11
571.5	1	318,775	571.5	7,931,433	2,539,704.1	\$4,425.20	\$4,616.52
571.6	1	318,776	571.6	7,932,004	2,539,132.5	\$4,425.87	\$4,617.32
571.7	2	318,778	1,143.4	7,933,148	2,537,989.1	\$8,853.08	\$9,236.24
571.9	1	318,779	571.9	7,933,720	2,537,417.2	\$4,427.88	\$4,619.72
572	1	318,780	572.0	7,934,292	2,536,845.2	\$4,428.55	\$4,620.53
572.1	1	318,781	572.1	7,934,864	2,536,273.1	\$4,429.21	\$4,621.33
572.3	2	318,783	1,144.6	7,936,008	2,535,128.5	\$8,861.10	\$9,245.87
572.7	1	318,784	572.7	7,936,581	2,534,555.8	\$4,433.23	\$4,626.14
572.8	1	318,785	572.8	7,937,154	2,533,983.0	\$4,433.89	\$4,626.94
572.9	1	318,786	572.9	7,937,727	2,533,410.1	\$4,434.56	\$4,627.75
573	1	318,787	573.0	7,938,300	2,532,837.1	\$4,435.23	\$4,628.55
573.2	3	318,790	1,719.6	7,940,019	2,531,117.5	\$13,309.71	\$13,890.46
573.9	1	318,791	573.9	7,940,593	2,530,543.6	\$4,441.25	\$4,635.77
574	4	318,795	2,296.0	7,942,889	2,528,247.6	\$17,767.67	\$18,546.28
574.9	1	318,796	574.9	7,943,464	2,527,672.7	\$4,447.93	\$4,643.79
575	2	318,798	1,150.0	7,944,614	2,526,522.7	\$8,897.21	\$9,289.19
575.2	1	318,799	575.2	7,945,189	2,525,947.5	\$4,449.94	\$4,646.20
575.7	1	318,800	575.7	7,945,765	2,525,371.8	\$4,453.28	\$4,650.21
575.9	1	318,801	575.9	7,946,341	2,524,795.9	\$4,454.62	\$4,651.81
576	1	318,802	576.0	7,946,917	2,524,219.9	\$4,455.29	\$4,652.61
576.2	1	318,803	576.2	7,947,493	2,523,643.7	\$4,456.62	\$4,654.22
576.3	1	318,804	576.3	7,948,069	2,523,067.4	\$4,457.29	\$4,655.02
576.4	1	318,805	576.4	7,948,646	2,522,491.0	\$4,457.96	\$4,655.82
577	1	318,806	577.0	7,949,223	2,521,914.0	\$4,461.97	\$4,660.64
578	3	318,809	1,734.0	7,950,957	2,520,180.0	\$13,405.98	\$14,005.97
578.2	2	318,811	1,156.4	7,952,113	2,519,023.6	\$8,939.99	\$9,340.53
578.8	1	318,812	578.8	7,952,692	2,518,444.8	\$4,474.01	\$4,675.08
578.9	1	318,813	578.9	7,953,271	2,517,865.9	\$4,474.68	\$4,675.88
579.1	1	318,814	579.1	7,953,850	2,517,286.8	\$4,476.01	\$4,677.48



**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
579.3	1	318,815	579.3	7,954,429	2,516,707.5	\$4,477.35	\$4,679.09
579.7	2	318,817	1,159.4	7,955,589	2,515,548.1	\$8,960.05	\$9,364.59
579.8	1	318,818	579.8	7,956,168	2,514,968.3	\$4,480.69	\$4,683.10
579.9	1	318,819	579.9	7,956,748	2,514,388.4	\$4,481.36	\$4,683.90
580.6	1	318,820	580.6	7,957,329	2,513,807.8	\$4,486.04	\$4,689.52
580.8	1	318,821	580.8	7,957,910	2,513,227.0	\$4,487.38	\$4,691.12
581	3	318,824	1,743.0	7,959,653	2,511,484.0	\$13,466.14	\$14,078.17
581.2	1	318,825	581.2	7,960,234	2,510,902.8	\$4,490.05	\$4,694.33
581.7	1	318,826	581.7	7,960,816	2,510,321.1	\$4,493.39	\$4,698.34
582	4	318,830	2,328.0	7,963,144	2,507,993.1	\$17,981.60	\$18,802.98
582.8	1	318,831	582.8	7,963,726	2,507,410.3	\$4,500.75	\$4,707.16
583	2	318,833	1,166.0	7,964,892	2,506,244.3	\$9,004.17	\$9,417.54
583.5	2	318,835	1,167.0	7,966,059	2,505,077.3	\$9,010.86	\$9,425.56
583.7	1	318,836	583.7	7,966,643	2,504,493.6	\$4,506.77	\$4,714.38
584	1	318,837	584.0	7,967,227	2,503,909.6	\$4,508.77	\$4,716.79
584.1	1	318,838	584.1	7,967,811	2,503,325.5	\$4,509.44	\$4,717.59
584.3	2	318,840	1,168.6	7,968,980	2,502,156.9	\$9,021.55	\$9,438.39
584.7	1	318,841	584.7	7,969,565	2,501,572.2	\$4,513.45	\$4,722.40
584.8	1	318,842	584.8	7,970,149	2,500,987.4	\$4,514.12	\$4,723.21
584.9	1	318,843	584.9	7,970,734	2,500,402.5	\$4,514.79	\$4,724.01
585	1	318,844	585.0	7,971,319	2,499,817.5	\$4,515.46	\$4,724.81
585.2	1	318,845	585.2	7,971,904	2,499,232.3	\$4,516.79	\$4,726.42
585.4	2	318,847	1,170.8	7,973,075	2,498,061.5	\$9,036.26	\$9,456.04
585.5	2	318,849	1,171.0	7,974,246	2,496,890.5	\$9,037.60	\$9,457.64
585.6	1	318,850	585.6	7,974,832	2,496,304.9	\$4,519.47	\$4,729.62
585.8	1	318,851	585.8	7,975,418	2,495,719.1	\$4,520.80	\$4,731.23
586	1	318,852	586.0	7,976,004	2,495,133.1	\$4,522.14	\$4,732.83
587	3	318,855	1,761.0	7,977,765	2,493,372.1	\$13,586.48	\$14,222.57
587.3	1	318,856	587.3	7,978,352	2,492,784.8	\$4,530.83	\$4,743.26
588	2	318,858	1,176.0	7,979,528	2,491,608.8	\$9,071.03	\$9,497.75
588.1	1	318,859	588.1	7,980,116	2,491,020.7	\$4,536.18	\$4,749.68
588.2	1	318,860	588.2	7,980,704	2,490,432.5	\$4,536.85	\$4,750.48
588.6	1	318,861	588.6	7,981,293	2,489,843.9	\$4,539.52	\$4,753.69
588.7	1	318,862	588.7	7,981,882	2,489,255.2	\$4,540.19	\$4,754.49
589.1	1	318,863	589.1	7,982,471	2,488,666.1	\$4,542.87	\$4,757.70
589.2	2	318,865	1,178.4	7,983,649	2,487,487.7	\$9,087.07	\$9,517.01
590.3	1	318,866	590.3	7,984,239	2,486,897.4	\$4,550.89	\$4,767.33
590.4	1	318,867	590.4	7,984,830	2,486,307.0	\$4,551.56	\$4,768.13
590.8	1	318,868	590.8	7,985,421	2,485,716.2	\$4,554.23	\$4,771.34
591.1	1	318,869	591.1	7,986,012	2,485,125.1	\$4,556.24	\$4,773.75
591.2	1	318,870	591.2	7,986,603	2,484,533.9	\$4,556.91	\$4,774.55
592	3	318,873	1,776.0	7,988,379	2,482,757.9	\$13,686.76	\$14,342.89
592.1	1	318,874	592.1	7,988,971	2,482,165.8	\$4,562.92	\$4,781.77
592.2	1	318,875	592.2	7,989,563	2,481,573.6	\$4,563.59	\$4,782.57
592.3	1	318,876	592.3	7,990,155	2,480,981.3	\$4,564.26	\$4,783.37
592.4	1	318,877	592.4	7,990,748	2,480,388.9	\$4,564.93	\$4,784.17

## RATE SCHEDULE N (Commerical/Industrial)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
592.9	1	318,878	592.9	7,991,341	2,479,796.0	\$4,568.27	\$4,788.18
593.1	1	318,879	593.1	7,991,934	2,479,202.9	\$4,569.61	\$4,789.79
593.7	1	318,880	593.7	7,992,528	2,478,609.2	\$4,573.62	\$4,794.60
593.9	2	318,882	1,187.8	7,993,715	2,477,421.4	\$9,149.91	\$9,592.41
594	2	318,884	1,188.0	7,994,903	2,476,233.4	\$9,151.25	\$9,594.02
594.1	1	318,885	594.1	7,995,497	2,475,639.3	\$4,576.29	\$4,797.81
594.4	1	318,886	594.4	7,996,092	2,475,044.9	\$4,578.30	\$4,800.22
594.5	1	318,887	594.5	7,996,686	2,474,450.4	\$4,578.97	\$4,801.02
594.6	2	318,889	1,189.2	7,997,876	2,473,261.2	\$9,159.27	\$9,603.64
595	1	318,890	595.0	7,998,471	2,472,666.2	\$4,582.31	\$4,805.03
595.2	1	318,891	595.2	7,999,066	2,472,071.0	\$4,583.65	\$4,806.63
595.6	1	318,892	595.6	7,999,661	2,471,475.4	\$4,586.32	\$4,809.84
596	2	318,894	1,192.0	8,000,853	2,470,283.4	\$9,177.99	\$9,626.10
597	1	318,895	597.0	8,001,450	2,469,686.4	\$4,595.68	\$4,821.07
597.4	2	318,897	1,194.8	8,002,645	2,468,491.6	\$9,196.71	\$9,648.57
597.5	1	318,898	597.5	8,003,243	2,467,894.1	\$4,599.02	\$4,825.09
598	1	318,899	598.0	8,003,841	2,467,296.1	\$4,602.37	\$4,829.10
598.2	1	318,900	598.2	8,004,439	2,466,697.9	\$4,603.70	\$4,830.70
598.4	1	318,901	598.4	8,005,037	2,466,099.5	\$4,605.04	\$4,832.30
598.8	3	318,904	1,796.4	8,006,834	2,464,303.1	\$13,823.15	\$14,506.54
599	1	318,905	599.0	8,007,433	2,463,704.1	\$4,609.05	\$4,837.12
599.3	1	318,906	599.3	8,008,032	2,463,104.8	\$4,611.06	\$4,839.52
599.4	1	318,907	599.4	8,008,631	2,462,505.4	\$4,611.73	\$4,840.33
599.6	1	318,908	599.6	8,009,231	2,461,905.8	\$4,613.06	\$4,841.93
599.9	1	318,909	599.9	8,009,831	2,461,305.9	\$4,615.07	\$4,844.34
600	5	318,914	3,000.0	8,012,831	2,458,305.9	\$23,078.69	\$24,225.70
600.3	1	318,915	600.3	8,013,431	2,457,705.6	\$4,617.74	\$4,847.55
600.6	1	318,916	600.6	8,014,032	2,457,105.0	\$4,619.75	\$4,849.95
601	1	318,917	601.0	8,014,633	2,456,504.0	\$4,622.42	\$4,853.16
601.2	1	318,918	601.2	8,015,234	2,455,902.8	\$4,623.76	\$4,854.77
601.3	1	318,919	601.3	8,015,835	2,455,301.5	\$4,624.43	\$4,855.57
601.4	1	318,920	601.4	8,016,437	2,454,700.1	\$4,625.10	\$4,856.37
602.3	1	318,921	602.3	8,017,039	2,454,097.8	\$4,631.11	\$4,863.59
602.7	1	318,922	602.7	8,017,642	2,453,495.1	\$4,633.79	\$4,866.80
603	1	318,923	603.0	8,018,245	2,452,892.1	\$4,635.79	\$4,869.21
603.3	1	318,924	603.3	8,018,848	2,452,288.8	\$4,637.80	\$4,871.61
603.4	1	318,925	603.4	8,019,451	2,451,685.4	\$4,638.47	\$4,872.41
603.7	1	318,926	603.7	8,020,055	2,451,081.7	\$4,640.47	\$4,874.82
603.9	1	318,927	603.9	8,020,659	2,450,477.8	\$4,641.81	\$4,876.43
604.4	1	318,928	604.4	8,021,263	2,449,873.4	\$4,645.15	\$4,880.44
604.7	1	318,929	604.7	8,021,868	2,449,268.7	\$4,647.16	\$4,882.84
606	2	318,931	1,212.0	8,023,080	2,448,056.7	\$9,311.70	\$9,786.54
606.2	1	318,932	606.2	8,023,686	2,447,450.5	\$4,657.19	\$4,894.88
606.7	1	318,933	606.7	8,024,293	2,446,843.8	\$4,660.53	\$4,898.89
607	3	318,936	1,821.0	8,026,114	2,445,022.8	\$13,987.61	\$14,703.88
607.1	1	318,937	607.1	8,026,721	2,444,415.7	\$4,663.20	\$4,902.10

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
607.3	1	318,938	607.3	8,027,328	2,443,808.4	\$4,664.54	\$4,903.70
608.3	1	318,939	608.3	8,027,937	2,443,200.1	\$4,671.23	\$4,911.72
608.4	1	318,940	608.4	8,028,545	2,442,591.7	\$4,671.89	\$4,912.52
608.9	3	318,943	1,826.7	8,030,372	2,440,765.0	\$14,025.71	\$14,749.60
609	1	318,944	609.0	8,030,981	2,440,156.0	\$4,675.91	\$4,917.34
609.3	1	318,945	609.3	8,031,590	2,439,546.7	\$4,677.91	\$4,919.74
609.9	1	318,946	609.9	8,032,200	2,438,936.8	\$4,681.92	\$4,924.56
610	2	318,948	1,220.0	8,033,420	2,437,716.8	\$9,365.18	\$9,850.72
610.2	1	318,949	610.2	8,034,030	2,437,106.6	\$4,683.93	\$4,926.96
610.3	1	318,950	610.3	8,034,640	2,436,496.3	\$4,684.60	\$4,927.77
610.5	3	318,953	1,831.5	8,036,472	2,434,664.8	\$14,057.80	\$14,788.11
611	1	318,954	611.0	8,037,083	2,434,053.8	\$4,689.28	\$4,933.38
611.3	2	318,956	1,222.6	8,038,306	2,432,831.2	\$9,382.57	\$9,871.57
611.5	1	318,957	611.5	8,038,917	2,432,219.7	\$4,692.62	\$4,937.39
612	1	318,958	612.0	8,039,529	2,431,607.7	\$4,695.96	\$4,941.40
612.1	1	318,959	612.1	8,040,141	2,430,995.6	\$4,696.63	\$4,942.20
612.8	1	318,960	612.8	8,040,754	2,430,382.8	\$4,701.31	\$4,947.82
613	2	318,962	1,226.0	8,041,980	2,429,156.8	\$9,405.30	\$9,898.85
613.6	1	318,963	613.6	8,042,594	2,428,543.2	\$4,706.66	\$4,954.24
614	3	318,966	1,842.0	8,044,436	2,426,701.2	\$14,128.00	\$14,872.34
614.5	1	318,967	614.5	8,045,050	2,426,086.7	\$4,712.68	\$4,961.46
615	1	318,968	615.0	8,045,665	2,425,471.7	\$4,716.02	\$4,965.47
615.3	1	318,969	615.3	8,046,280	2,424,856.4	\$4,718.02	\$4,967.88
616	1	318,970	616.0	8,046,896	2,424,240.4	\$4,722.70	\$4,973.49
617	1	318,971	617.0	8,047,513	2,423,623.4	\$4,729.39	\$4,981.51
617.3	1	318,972	617.3	8,048,131	2,423,006.1	\$4,731.39	\$4,983.92
617.5	1	318,973	617.5	8,048,748	2,422,388.6	\$4,732.73	\$4,985.52
617.9	1	318,974	617.9	8,049,366	2,421,770.7	\$4,735.41	\$4,988.73
618	2	318,976	1,236.0	8,050,602	2,420,534.7	\$9,472.15	\$9,979.07
618.2	4	318,980	2,472.8	8,053,075	2,418,061.9	\$18,949.65	\$19,964.55
619	4	318,984	2,476.0	8,055,551	2,415,585.9	\$18,971.04	\$19,990.22
619.4	1	318,985	619.4	8,056,170	2,414,966.5	\$4,745.43	\$5,000.76
619.5	1	318,986	619.5	8,056,790	2,414,347.0	\$4,746.10	\$5,001.57
620.4	2	318,988	1,240.8	8,058,031	2,413,106.2	\$9,504.24	\$10,017.57
620.8	1	318,989	620.8	8,058,651	2,412,485.4	\$4,754.79	\$5,012.00
621	2	318,991	1,242.0	8,059,893	2,411,243.4	\$9,512.26	\$10,027.20
621.4	1	318,992	621.4	8,060,515	2,410,622.0	\$4,758.81	\$5,016.81
621.7	1	318,993	621.7	8,061,136	2,410,000.3	\$4,760.81	\$5,019.22
622	1	318,994	622.0	8,061,758	2,409,378.3	\$4,762.82	\$5,021.62
622.1	1	318,995	622.1	8,062,381	2,408,756.2	\$4,763.48	\$5,022.42
622.2	1	318,996	622.2	8,063,003	2,408,134.0	\$4,764.15	\$5,023.23
622.5	1	318,997	622.5	8,063,625	2,407,511.5	\$4,766.16	\$5,025.63
622.6	2	318,999	1,245.2	8,064,870	2,406,266.3	\$9,533.66	\$10,052.87
622.9	1	319,000	622.9	8,065,493	2,405,643.4	\$4,768.83	\$5,028.84
623.2	1	319,001	623.2	8,066,117	2,405,020.2	\$4,770.84	\$5,031.25
624	1	319,002	624.0	8,066,741	2,404,396.2	\$4,776.19	\$5,037.67

## RATE SCHEDULE N (Commerical/Industrial)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
624.1	1	319,003	624.1	8,067,365	2,403,772.1	\$4,776.86	\$5,038.47
624.5	2	319,005	1,249.0	8,068,614	2,402,523.1	\$9,559.06	\$10,083.35
624.7	1	319,006	624.7	8,069,238	2,401,898.4	\$4,780.87	\$5,043.28
625.5	2	319,008	1,251.0	8,070,489	2,400,647.4	\$9,572.43	\$10,099.40
625.7	2	319,010	1,251.4	8,071,741	2,399,396.0	\$9,575.10	\$10,102.61
625.8	1	319,011	625.8	8,072,367	2,398,770.2	\$4,788.22	\$5,052.11
626	1	319,012	626.0	8,072,993	2,398,144.2	\$4,789.56	\$5,053.71
626.2	1	319,013	626.2	8,073,619	2,397,518.0	\$4,790.89	\$5,055.31
626.6	1	319,014	626.6	8,074,245	2,396,891.4	\$4,793.57	\$5,058.52
627.1	1	319,015	627.1	8,074,872	2,396,264.3	\$4,796.91	\$5,062.53
627.5	2	319,017	1,255.0	8,076,127	2,395,009.3	\$9,599.17	\$10,131.48
628	2	319,019	1,256.0	8,077,383	2,393,753.3	\$9,605.86	\$10,139.51
628.3	1	319,020	628.3	8,078,012	2,393,125.0	\$4,804.93	\$5,072.16
628.9	1	319,021	628.9	8,078,641	2,392,496.1	\$4,808.95	\$5,076.97
629	2	319,023	1,258.0	8,079,899	2,391,238.1	\$9,619.23	\$10,155.55
629.1	1	319,024	629.1	8,080,528	2,390,609.0	\$4,810.28	\$5,078.58
630	1	319,025	630.0	8,081,158	2,389,979.0	\$4,816.30	\$5,085.80
630.1	1	319,026	630.1	8,081,788	2,389,348.9	\$4,816.97	\$5,086.60
630.2	1	319,027	630.2	8,082,418	2,388,718.7	\$4,817.64	\$5,087.40
630.7	1	319,028	630.7	8,083,049	2,388,088.0	\$4,820.98	\$5,091.41
631	2	319,030	1,262.0	8,084,311	2,386,826.0	\$9,645.97	\$10,187.64
631.7	2	319,032	1,263.4	8,085,574	2,385,562.6	\$9,655.33	\$10,198.87
632.7	2	319,034	1,265.4	8,086,840	2,384,297.2	\$9,668.70	\$10,214.91
633.3	1	319,035	633.3	8,087,473	2,383,663.9	\$4,838.36	\$5,112.27
634.6	1	319,036	634.6	8,088,107	2,383,029.3	\$4,847.05	\$5,122.70
634.8	1	319,037	634.8	8,088,742	2,382,394.5	\$4,848.39	\$5,124.30
635	1	319,038	635.0	8,089,377	2,381,759.5	\$4,849.73	\$5,125.91
635.2	1	319,039	635.2	8,090,012	2,381,124.3	\$4,851.06	\$5,127.51
635.3	2	319,041	1,270.6	8,091,283	2,379,853.7	\$9,703.46	\$10,256.63
635.9	1	319,042	635.9	8,091,919	2,379,217.8	\$4,855.74	\$5,133.13
636	5	319,047	3,180.0	8,095,099	2,376,037.8	\$24,282.06	\$25,669.64
636.3	1	319,048	636.3	8,095,735	2,375,401.5	\$4,858.42	\$5,136.33
637	1	319,049	637.0	8,096,372	2,374,764.5	\$4,863.10	\$5,141.95
637.1	1	319,050	637.1	8,097,009	2,374,127.4	\$4,863.77	\$5,142.75
637.4	1	319,051	637.4	8,097,647	2,373,490.0	\$4,865.77	\$5,145.16
637.5	1	319,052	637.5	8,098,284	2,372,852.5	\$4,866.44	\$5,145.96
637.6	1	319,053	637.6	8,098,922	2,372,214.9	\$4,867.11	\$5,146.76
637.7	1	319,054	637.7	8,099,560	2,371,577.2	\$4,867.78	\$5,147.57
638	1	319,055	638.0	8,100,198	2,370,939.2	\$4,869.78	\$5,149.97
639	1	319,056	639.0	8,100,837	2,370,300.2	\$4,876.47	\$5,157.99
639.1	1	319,057	639.1	8,101,476	2,369,661.1	\$4,877.14	\$5,158.80
639.2	2	319,059	1,278.4	8,102,754	2,368,382.7	\$9,755.61	\$10,319.20
639.7	1	319,060	639.7	8,103,394	2,367,743.0	\$4,881.15	\$5,163.61
639.8	1	319,061	639.8	8,104,034	2,367,103.2	\$4,881.82	\$5,164.41
640.1	1	319,062	640.1	8,104,674	2,366,463.1	\$4,883.82	\$5,166.82
640.3	1	319,063	640.3	8,105,314	2,365,822.8	\$4,885.16	\$5,168.42

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
641.2	1	319,064	641.2	8,105,955	2,365,181.6	\$4,891.18	\$5,175.64
641.6	1	319,065	641.6	8,106,597	2,364,540.0	\$4,893.85	\$5,178.85
642.1	1	319,066	642.1	8,107,239	2,363,897.9	\$4,897.19	\$5,182.86
642.3	1	319,067	642.3	8,107,881	2,363,255.6	\$4,898.53	\$5,184.47
642.4	1	319,068	642.4	8,108,524	2,362,613.2	\$4,899.20	\$5,185.27
642.6	2	319,070	1,285.2	8,109,809	2,361,328.0	\$9,801.07	\$10,373.75
642.7	1	319,071	642.7	8,110,451	2,360,685.3	\$4,901.20	\$5,187.68
643.2	1	319,072	643.2	8,111,095	2,360,042.1	\$4,904.55	\$5,191.69
644.7	1	319,073	644.7	8,111,739	2,359,397.4	\$4,914.57	\$5,203.72
645	1	319,074	645.0	8,112,384	2,358,752.4	\$4,916.58	\$5,206.13
645.9	1	319,075	645.9	8,113,030	2,358,106.5	\$4,922.60	\$5,213.35
646	2	319,077	1,292.0	8,114,322	2,356,814.5	\$9,846.53	\$10,428.29
646.7	2	319,079	1,293.4	8,115,616	2,355,521.1	\$9,855.89	\$10,439.53
646.8	1	319,080	646.8	8,116,262	2,354,874.3	\$4,928.61	\$5,220.56
647	3	319,083	1,941.0	8,118,203	2,352,933.3	\$14,789.85	\$15,666.51
647.2	1	319,084	647.2	8,118,851	2,352,286.1	\$4,931.29	\$5,223.77
647.4	1	319,085	647.4	8,119,498	2,351,638.7	\$4,932.63	\$5,225.38
647.5	1	319,086	647.5	8,120,146	2,350,991.2	\$4,933.29	\$5,226.18
648	1	319,087	648.0	8,120,794	2,350,343.2	\$4,936.64	\$5,230.19
648.1	1	319,088	648.1	8,121,442	2,349,695.1	\$4,937.31	\$5,230.99
648.7	1	319,089	648.7	8,122,090	2,349,046.4	\$4,941.32	\$5,235.81
649.1	1	319,090	649.1	8,122,739	2,348,397.3	\$4,943.99	\$5,239.02
649.3	1	319,091	649.3	8,123,389	2,347,748.0	\$4,945.33	\$5,240.62
649.4	1	319,092	649.4	8,124,038	2,347,098.6	\$4,946.00	\$5,241.42
649.7	1	319,093	649.7	8,124,688	2,346,448.9	\$4,948.00	\$5,243.83
650	1	319,094	650.0	8,125,338	2,345,798.9	\$4,950.01	\$5,246.24
650.3	1	319,095	650.3	8,125,988	2,345,148.6	\$4,952.01	\$5,248.64
650.4	1	319,096	650.4	8,126,639	2,344,498.2	\$4,952.68	\$5,249.44
650.6	1	319,097	650.6	8,127,289	2,343,847.6	\$4,954.02	\$5,251.05
650.9	1	319,098	650.9	8,127,940	2,343,196.7	\$4,956.02	\$5,253.45
651	1	319,099	651.0	8,128,591	2,342,545.7	\$4,956.69	\$5,254.26
651.2	2	319,101	1,302.4	8,129,893	2,341,243.3	\$9,916.06	\$10,511.72
651.6	1	319,102	651.6	8,130,545	2,340,591.7	\$4,960.70	\$5,259.07
652	1	319,103	652.0	8,131,197	2,339,939.7	\$4,963.38	\$5,262.28
653	1	319,104	653.0	8,131,850	2,339,286.7	\$4,970.06	\$5,270.30
653.1	1	319,105	653.1	8,132,503	2,338,633.6	\$4,970.73	\$5,271.10
654	1	319,106	654.0	8,133,157	2,337,979.6	\$4,976.75	\$5,278.32
654.4	2	319,108	1,308.8	8,134,466	2,336,670.8	\$9,958.85	\$10,563.06
654.7	1	319,109	654.7	8,135,121	2,336,016.1	\$4,981.43	\$5,283.94
654.8	2	319,111	1,309.6	8,136,430	2,334,706.5	\$9,964.19	\$10,569.48
654.9	1	319,112	654.9	8,137,085	2,334,051.6	\$4,982.77	\$5,285.54
655.1	1	319,113	655.1	8,137,740	2,333,396.5	\$4,984.10	\$5,287.15
656	1	319,114	656.0	8,138,396	2,332,740.5	\$4,990.12	\$5,294.37
656.2	1	319,115	656.2	8,139,052	2,332,084.3	\$4,991.46	\$5,295.97
656.3	2	319,117	1,312.6	8,140,365	2,330,771.7	\$9,984.25	\$10,593.55
656.4	1	319,118	656.4	8,141,021	2,330,115.3	\$4,992.79	\$5,297.58

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
656.6	1	319,119	656.6	8,141,678	2,329,458.7	\$4,994.13	\$5,299.18
657	3	319,122	1,971.0	8,143,649	2,327,487.7	\$14,990.42	\$15,907.16
657.1	1	319,123	657.1	8,144,306	2,326,830.6	\$4,997.47	\$5,303.19
658.5	1	319,124	658.5	8,144,965	2,326,172.1	\$5,006.83	\$5,314.42
659	4	319,128	2,636.0	8,147,601	2,323,536.1	\$20,040.70	\$21,273.73
659.7	1	319,129	659.7	8,148,260	2,322,876.4	\$5,014.86	\$5,324.05
659.8	1	319,130	659.8	8,148,920	2,322,216.6	\$5,015.52	\$5,324.85
660	1	319,131	660.0	8,149,580	2,321,556.6	\$5,016.86	\$5,326.45
660.8	2	319,133	1,321.6	8,150,902	2,320,235.0	\$10,044.42	\$10,665.74
661.5	1	319,134	661.5	8,151,563	2,319,573.5	\$5,026.89	\$5,338.49
661.7	1	319,135	661.7	8,152,225	2,318,911.8	\$5,028.23	\$5,340.09
661.8	1	319,136	661.8	8,152,887	2,318,250.0	\$5,028.90	\$5,340.89
661.9	1	319,137	661.9	8,153,549	2,317,588.1	\$5,029.56	\$5,341.70
662.3	1	319,138	662.3	8,154,211	2,316,925.8	\$5,032.24	\$5,344.90
662.8	1	319,139	662.8	8,154,874	2,316,263.0	\$5,035.58	\$5,348.92
663	3	319,142	1,989.0	8,156,863	2,314,274.0	\$15,110.75	\$16,051.56
663.1	1	319,143	663.1	8,157,526	2,313,610.9	\$5,037.59	\$5,351.32
663.4	1	319,144	663.4	8,158,189	2,312,947.5	\$5,039.59	\$5,353.73
664.1	1	319,145	664.1	8,158,853	2,312,283.4	\$5,044.27	\$5,359.34
664.2	1	319,146	664.2	8,159,518	2,311,619.2	\$5,044.94	\$5,360.15
664.4	1	319,147	664.4	8,160,182	2,310,954.8	\$5,046.28	\$5,361.75
665	1	319,148	665.0	8,160,847	2,310,289.8	\$5,050.29	\$5,366.56
665.3	2	319,150	1,330.6	8,162,178	2,308,959.2	\$10,104.59	\$10,737.94
665.5	1	319,151	665.5	8,162,843	2,308,293.7	\$5,053.63	\$5,370.57
665.6	1	319,152	665.6	8,163,509	2,307,628.1	\$5,054.30	\$5,371.38
666.1	1	319,153	666.1	8,164,175	2,306,962.0	\$5,057.64	\$5,375.39
666.2	1	319,154	666.2	8,164,841	2,306,295.8	\$5,058.31	\$5,376.19
666.6	1	319,155	666.6	8,165,508	2,305,629.2	\$5,060.99	\$5,379.40
667	1	319,156	667.0	8,166,175	2,304,962.2	\$5,063.66	\$5,382.61
667.7	1	319,157	667.7	8,166,842	2,304,294.5	\$5,068.34	\$5,388.22
668.1	1	319,158	668.1	8,167,510	2,303,626.4	\$5,071.01	\$5,391.43
668.7	1	319,159	668.7	8,168,179	2,302,957.7	\$5,075.02	\$5,396.24
668.9	1	319,160	668.9	8,168,848	2,302,288.8	\$5,076.36	\$5,397.85
669.1	1	319,161	669.1	8,169,517	2,301,619.7	\$5,077.70	\$5,399.45
669.6	1	319,162	669.6	8,170,187	2,300,950.1	\$5,081.04	\$5,403.46
670.1	1	319,163	670.1	8,170,857	2,300,280.0	\$5,084.38	\$5,407.48
670.8	1	319,164	670.8	8,171,528	2,299,609.2	\$5,089.06	\$5,413.09
671	2	319,166	1,342.0	8,172,870	2,298,267.2	\$10,180.80	\$10,829.39
671.5	1	319,167	671.5	8,173,541	2,297,595.7	\$5,093.74	\$5,418.71
671.7	1	319,168	671.7	8,174,213	2,296,924.0	\$5,095.08	\$5,420.31
672.2	1	319,169	672.2	8,174,885	2,296,251.8	\$5,098.42	\$5,424.32
672.6	1	319,170	672.6	8,175,558	2,295,579.2	\$5,101.10	\$5,427.53
674	1	319,171	674.0	8,176,232	2,294,905.2	\$5,110.46	\$5,438.76
674.6	1	319,172	674.6	8,176,906	2,294,230.6	\$5,114.47	\$5,443.57
675.3	1	319,173	675.3	8,177,581	2,293,555.3	\$5,119.15	\$5,449.19
675.5	2	319,175	1,351.0	8,178,932	2,292,204.3	\$10,240.97	\$10,901.59

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
675.6	1	319,176	675.6	8,179,608	2,291,528.7	\$5,121.15	\$5,451.60
675.8	1	319,177	675.8	8,180,284	2,290,852.9	\$5,122.49	\$5,453.20
676	3	319,180	2,028.0	8,182,312	2,288,824.9	\$15,371.48	\$16,364.41
676.7	1	319,181	676.7	8,182,989	2,288,148.2	\$5,128.51	\$5,460.42
677.5	2	319,183	1,355.0	8,184,344	2,286,793.2	\$10,267.71	\$10,933.67
677.7	1	319,184	677.7	8,185,021	2,286,115.5	\$5,135.19	\$5,468.44
678.2	1	319,185	678.2	8,185,699	2,285,437.3	\$5,138.54	\$5,472.45
678.5	1	319,186	678.5	8,186,378	2,284,758.8	\$5,140.54	\$5,474.86
679.1	1	319,187	679.1	8,187,057	2,284,079.7	\$5,144.55	\$5,479.67
679.6	1	319,188	679.6	8,187,737	2,283,400.1	\$5,147.90	\$5,483.68
680	1	319,189	680.0	8,188,417	2,282,720.1	\$5,150.57	\$5,486.89
680.3	1	319,190	680.3	8,189,097	2,282,039.8	\$5,152.58	\$5,489.30
680.4	1	319,191	680.4	8,189,777	2,281,359.4	\$5,153.24	\$5,490.10
680.6	1	319,192	680.6	8,190,458	2,280,678.8	\$5,154.58	\$5,491.71
680.8	2	319,194	1,361.6	8,191,820	2,279,317.2	\$10,311.84	\$10,986.62
680.9	1	319,195	680.9	8,192,500	2,278,636.3	\$5,156.59	\$5,494.11
681	1	319,196	681.0	8,193,181	2,277,955.3	\$5,157.25	\$5,494.91
681.4	1	319,197	681.4	8,193,863	2,277,273.9	\$5,159.93	\$5,498.12
681.9	2	319,199	1,363.8	8,195,227	2,275,910.1	\$10,326.54	\$11,004.27
682.1	2	319,201	1,364.2	8,196,591	2,274,545.9	\$10,329.22	\$11,007.48
682.5	1	319,202	682.5	8,197,273	2,273,863.4	\$5,167.28	\$5,506.95
683.2	1	319,203	683.2	8,197,957	2,273,180.2	\$5,171.96	\$5,512.56
683.4	1	319,204	683.4	8,198,640	2,272,496.8	\$5,173.30	\$5,514.17
684	1	319,205	684.0	8,199,324	2,271,812.8	\$5,177.31	\$5,518.98
684.7	3	319,208	2,054.1	8,201,378	2,269,758.7	\$15,545.97	\$16,573.78
685	1	319,209	685.0	8,202,063	2,269,073.7	\$5,184.00	\$5,527.00
685.4	1	319,210	685.4	8,202,748	2,268,388.3	\$5,186.67	\$5,530.21
685.5	1	319,211	685.5	8,203,434	2,267,702.8	\$5,187.34	\$5,531.01
685.6	2	319,213	1,371.2	8,204,805	2,266,331.6	\$10,376.02	\$11,063.63
685.7	1	319,214	685.7	8,205,491	2,265,645.9	\$5,188.68	\$5,532.62
686	1	319,215	686.0	8,206,177	2,264,959.9	\$5,190.68	\$5,535.02
686.2	1	319,216	686.2	8,206,863	2,264,273.7	\$5,192.02	\$5,536.63
686.3	2	319,218	1,372.6	8,208,236	2,262,901.1	\$10,385.38	\$11,074.86
686.4	2	319,220	1,372.8	8,209,608	2,261,528.3	\$10,386.71	\$11,076.46
686.6	1	319,221	686.6	8,210,295	2,260,841.7	\$5,194.69	\$5,539.84
686.7	1	319,222	686.7	8,210,982	2,260,155.0	\$5,195.36	\$5,540.64
686.8	1	319,223	686.8	8,211,669	2,259,468.2	\$5,196.03	\$5,541.44
687.1	1	319,224	687.1	8,212,356	2,258,781.1	\$5,198.04	\$5,543.85
688	3	319,227	2,064.0	8,214,420	2,256,717.1	\$15,612.16	\$16,653.20
688.4	1	319,228	688.4	8,215,108	2,256,028.7	\$5,206.73	\$5,554.28
688.5	1	319,229	688.5	8,215,797	2,255,340.2	\$5,207.40	\$5,555.08
690.3	1	319,230	690.3	8,216,487	2,254,649.9	\$5,219.43	\$5,569.52
690.5	3	319,233	2,071.5	8,218,558	2,252,578.4	\$15,662.30	\$16,713.37
691	4	319,237	2,764.0	8,221,322	2,249,814.4	\$20,896.44	\$22,300.53
691.1	1	319,238	691.1	8,222,013	2,249,123.3	\$5,224.78	\$5,575.94
691.2	1	319,239	691.2	8,222,705	2,248,432.1	\$5,225.45	\$5,576.74

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
691.7	1	319,240	691.7	8,223,396	2,247,740.4	\$5,228.79	\$5,580.75
692.3	1	319,241	692.3	8,224,089	2,247,048.1	\$5,232.80	\$5,585.56
693.7	1	319,242	693.7	8,224,782	2,246,354.4	\$5,242.16	\$5,596.79
693.9	3	319,245	2,081.7	8,226,864	2,244,272.7	\$15,730.49	\$16,795.19
694	2	319,247	1,388.0	8,228,252	2,242,884.7	\$10,488.33	\$11,198.40
694.2	1	319,248	694.2	8,228,946	2,242,190.5	\$5,245.50	\$5,600.80
694.5	1	319,249	694.5	8,229,641	2,241,496.0	\$5,247.51	\$5,603.21
694.6	1	319,250	694.6	8,230,335	2,240,801.4	\$5,248.18	\$5,604.01
695	1	319,251	695.0	8,231,030	2,240,106.4	\$5,250.85	\$5,607.22
695.2	2	319,253	1,390.4	8,232,421	2,238,716.0	\$10,504.38	\$11,217.65
695.3	1	319,254	695.3	8,233,116	2,238,020.7	\$5,252.86	\$5,609.63
695.4	1	319,255	695.4	8,233,811	2,237,325.3	\$5,253.52	\$5,610.43
695.7	1	319,256	695.7	8,234,507	2,236,629.6	\$5,255.53	\$5,612.84
696.1	1	319,257	696.1	8,235,203	2,235,933.5	\$5,258.20	\$5,616.04
697	1	319,258	697.0	8,235,900	2,235,236.5	\$5,264.22	\$5,623.26
697.2	1	319,259	697.2	8,236,597	2,234,539.3	\$5,265.56	\$5,624.87
697.3	2	319,261	1,394.6	8,237,992	2,233,144.7	\$10,532.45	\$11,251.34
698	6	319,267	4,188.0	8,242,180	2,228,956.7	\$31,625.44	\$33,787.72
698.2	1	319,268	698.2	8,242,878	2,228,258.5	\$5,272.24	\$5,632.89
698.5	1	319,269	698.5	8,243,577	2,227,560.0	\$5,274.25	\$5,635.30
698.8	1	319,270	698.8	8,244,276	2,226,861.2	\$5,276.26	\$5,637.70
699.1	1	319,271	699.1	8,244,975	2,226,162.1	\$5,278.26	\$5,640.11
699.4	1	319,272	699.4	8,245,674	2,225,462.7	\$5,280.27	\$5,642.52
699.6	1	319,273	699.6	8,246,374	2,224,763.1	\$5,281.60	\$5,644.12
699.8	2	319,275	1,399.6	8,247,773	2,223,363.5	\$10,565.88	\$11,291.45
700	1	319,276	700.0	8,248,473	2,222,663.5	\$5,284.28	\$5,647.33
700.2	1	319,277	700.2	8,249,173	2,221,963.3	\$5,285.61	\$5,648.93
700.7	2	319,279	1,401.4	8,250,575	2,220,561.9	\$10,577.91	\$11,305.89
700.8	1	319,280	700.8	8,251,276	2,219,861.1	\$5,289.63	\$5,653.75
701	3	319,283	2,103.0	8,253,379	2,217,758.1	\$15,872.89	\$16,966.06
701.7	2	319,285	1,403.4	8,254,782	2,216,354.7	\$10,591.29	\$11,321.93
702.1	1	319,286	702.1	8,255,484	2,215,652.6	\$5,298.32	\$5,664.18
702.3	2	319,288	1,404.6	8,256,889	2,214,248.0	\$10,599.31	\$11,331.56
702.6	1	319,289	702.6	8,257,591	2,213,545.4	\$5,301.66	\$5,668.19
702.9	2	319,291	1,405.8	8,258,997	2,212,139.6	\$10,607.33	\$11,341.19
703	1	319,292	703.0	8,259,700	2,211,436.6	\$5,304.33	\$5,671.40
704	3	319,295	2,112.0	8,261,812	2,209,324.6	\$15,933.06	\$17,038.25
704.1	1	319,296	704.1	8,262,516	2,208,620.5	\$5,311.69	\$5,680.22
704.2	1	319,297	704.2	8,263,220	2,207,916.3	\$5,312.36	\$5,681.02
705	2	319,299	1,410.0	8,264,630	2,206,506.3	\$10,635.41	\$11,374.88
705.6	1	319,300	705.6	8,265,336	2,205,800.7	\$5,321.72	\$5,692.25
705.7	1	319,301	705.7	8,266,042	2,205,095.0	\$5,322.38	\$5,693.05
706.5	1	319,302	706.5	8,266,748	2,204,388.5	\$5,327.73	\$5,699.47
707	2	319,304	1,414.0	8,268,162	2,202,974.5	\$10,662.15	\$11,406.97
707.2	1	319,305	707.2	8,268,869	2,202,267.3	\$5,332.41	\$5,705.09
707.5	1	319,306	707.5	8,269,577	2,201,559.8	\$5,334.42	\$5,707.49



**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
708	1	319,307	708.0	8,270,285	2,200,851.8	\$5,337.76	\$5,711.51
708.3	1	319,308	708.3	8,270,993	2,200,143.5	\$5,339.77	\$5,713.91
708.8	1	319,309	708.8	8,271,702	2,199,434.7	\$5,343.11	\$5,717.92
709	1	319,310	709.0	8,272,411	2,198,725.7	\$5,344.45	\$5,719.53
709.6	1	319,311	709.6	8,273,121	2,198,016.1	\$5,348.46	\$5,724.34
709.9	2	319,313	1,419.8	8,274,540	2,196,596.3	\$10,700.93	\$11,453.49
710.2	1	319,314	710.2	8,275,251	2,195,886.1	\$5,352.47	\$5,729.15
710.3	1	319,315	710.3	8,275,961	2,195,175.8	\$5,353.14	\$5,729.96
711	1	319,316	711.0	8,276,672	2,194,464.8	\$5,357.82	\$5,735.57
711.4	1	319,317	711.4	8,277,383	2,193,753.4	\$5,360.49	\$5,738.78
711.6	1	319,318	711.6	8,278,095	2,193,041.8	\$5,361.83	\$5,740.38
712	2	319,320	1,424.0	8,279,519	2,191,617.8	\$10,729.00	\$11,487.19
712.5	1	319,321	712.5	8,280,231	2,190,905.3	\$5,367.85	\$5,747.60
712.8	1	319,322	712.8	8,280,944	2,190,192.5	\$5,369.85	\$5,750.01
713.1	1	319,323	713.1	8,281,657	2,189,479.4	\$5,371.86	\$5,752.42
713.3	1	319,324	713.3	8,282,371	2,188,766.1	\$5,373.19	\$5,754.02
714.9	1	319,325	714.9	8,283,086	2,188,051.2	\$5,383.89	\$5,766.86
715.3	1	319,326	715.3	8,283,801	2,187,335.9	\$5,386.56	\$5,770.07
715.6	1	319,327	715.6	8,284,516	2,186,620.3	\$5,388.57	\$5,772.47
715.9	1	319,328	715.9	8,285,232	2,185,904.4	\$5,390.58	\$5,774.88
716.7	1	319,329	716.7	8,285,949	2,185,187.7	\$5,395.92	\$5,781.30
716.9	1	319,330	716.9	8,286,666	2,184,470.8	\$5,397.26	\$5,782.90
717	1	319,331	717.0	8,287,383	2,183,753.8	\$5,397.93	\$5,783.70
717.8	1	319,332	717.8	8,288,101	2,183,036.0	\$5,403.28	\$5,790.12
717.9	2	319,334	1,435.8	8,289,537	2,181,600.2	\$10,807.89	\$11,581.84
718	1	319,335	718.0	8,290,255	2,180,882.2	\$5,404.61	\$5,791.72
718.6	1	319,336	718.6	8,290,973	2,180,163.6	\$5,408.63	\$5,796.54
718.8	1	319,337	718.8	8,291,692	2,179,444.8	\$5,409.96	\$5,798.14
719.2	1	319,338	719.2	8,292,411	2,178,725.6	\$5,412.64	\$5,801.35
721	2	319,340	1,442.0	8,293,853	2,177,283.6	\$10,849.34	\$11,631.58
721.8	2	319,342	1,443.6	8,295,297	2,175,840.0	\$10,860.04	\$11,644.41
722.6	1	319,343	722.6	8,296,019	2,175,117.4	\$5,435.37	\$5,828.62
723	4	319,347	2,892.0	8,298,911	2,172,225.4	\$21,752.17	\$23,327.33
723.7	1	319,348	723.7	8,299,635	2,171,501.7	\$5,442.72	\$5,837.45
725	1	319,349	725.0	8,300,360	2,170,776.7	\$5,451.41	\$5,847.88
725.3	2	319,351	1,450.6	8,301,811	2,169,326.1	\$10,906.84	\$11,700.57
725.4	1	319,352	725.4	8,302,536	2,168,600.7	\$5,454.09	\$5,851.09
725.5	1	319,353	725.5	8,303,262	2,167,875.2	\$5,454.76	\$5,851.89
725.9	2	319,355	1,451.8	8,304,713	2,166,423.4	\$10,914.86	\$11,710.19
726.8	1	319,356	726.8	8,305,440	2,165,696.6	\$5,463.45	\$5,862.32
727	1	319,357	727.0	8,306,167	2,164,969.6	\$5,464.78	\$5,863.92
727.1	2	319,359	1,454.2	8,307,621	2,163,515.4	\$10,930.90	\$11,729.45
727.8	1	319,360	727.8	8,308,349	2,162,787.6	\$5,470.13	\$5,870.34
727.9	1	319,361	727.9	8,309,077	2,162,059.7	\$5,470.80	\$5,871.14
728.7	1	319,362	728.7	8,309,806	2,161,331.0	\$5,476.15	\$5,877.56
729	1	319,363	729.0	8,310,535	2,160,602.0	\$5,478.15	\$5,879.97

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
729.1	1	319,364	729.1	8,311,264	2,159,872.9	\$5,478.82	\$5,880.77
729.2	1	319,365	729.2	8,311,993	2,159,143.7	\$5,479.49	\$5,881.57
729.6	1	319,366	729.6	8,312,723	2,158,414.1	\$5,482.17	\$5,884.78
730.2	1	319,367	730.2	8,313,453	2,157,683.9	\$5,486.18	\$5,889.59
730.6	1	319,368	730.6	8,314,183	2,156,953.3	\$5,488.85	\$5,892.80
730.7	1	319,369	730.7	8,314,914	2,156,222.6	\$5,489.52	\$5,893.60
730.8	1	319,370	730.8	8,315,645	2,155,491.8	\$5,490.19	\$5,894.40
732	2	319,372	1,464.0	8,317,109	2,154,027.8	\$10,996.42	\$11,808.06
732.1	1	319,373	732.1	8,317,841	2,153,295.7	\$5,498.88	\$5,904.83
732.3	1	319,374	732.3	8,318,573	2,152,563.4	\$5,500.22	\$5,906.44
732.4	1	319,375	732.4	8,319,306	2,151,831.0	\$5,500.88	\$5,907.24
732.5	1	319,376	732.5	8,320,038	2,151,098.5	\$5,501.55	\$5,908.04
733	2	319,378	1,466.0	8,321,504	2,149,632.5	\$11,009.79	\$11,824.11
733.7	1	319,379	733.7	8,322,238	2,148,898.8	\$5,509.58	\$5,917.67
733.8	1	319,380	733.8	8,322,972	2,148,165.0	\$5,510.24	\$5,918.47
734	1	319,381	734.0	8,323,706	2,147,431.0	\$5,511.58	\$5,920.07
734.5	1	319,382	734.5	8,324,440	2,146,696.5	\$5,514.92	\$5,924.09
734.6	1	319,383	734.6	8,325,175	2,145,961.9	\$5,515.59	\$5,924.89
735	1	319,384	735.0	8,325,910	2,145,226.9	\$5,518.27	\$5,928.10
735.7	1	319,385	735.7	8,326,646	2,144,491.2	\$5,522.95	\$5,933.71
736	3	319,388	2,208.0	8,328,854	2,142,283.2	\$16,574.86	\$17,808.36
736.2	1	319,389	736.2	8,329,590	2,141,547.0	\$5,526.29	\$5,937.72
736.6	1	319,390	736.6	8,330,326	2,140,810.4	\$5,528.96	\$5,940.93
737	1	319,391	737.0	8,331,063	2,140,073.4	\$5,531.64	\$5,944.14
737.3	1	319,392	737.3	8,331,801	2,139,336.1	\$5,533.64	\$5,946.55
737.5	1	319,393	737.5	8,332,538	2,138,598.6	\$5,534.98	\$5,948.15
738.7	1	319,394	738.7	8,333,277	2,137,859.9	\$5,543.00	\$5,957.78
741.1	1	319,395	741.1	8,334,018	2,137,118.8	\$5,559.05	\$5,977.03
741.8	1	319,396	741.8	8,334,760	2,136,377.0	\$5,563.73	\$5,982.65
742.4	1	319,397	742.4	8,335,502	2,135,634.6	\$5,567.74	\$5,987.46
742.7	1	319,398	742.7	8,336,245	2,134,891.9	\$5,569.74	\$5,989.87
742.8	1	319,399	742.8	8,336,988	2,134,149.1	\$5,570.41	\$5,990.67
742.9	1	319,400	742.9	8,337,731	2,133,406.2	\$5,571.08	\$5,991.47
743.3	1	319,401	743.3	8,338,474	2,132,662.9	\$5,573.76	\$5,994.68
743.6	1	319,402	743.6	8,339,217	2,131,919.3	\$5,575.76	\$5,997.08
744	1	319,403	744.0	8,339,961	2,131,175.3	\$5,578.44	\$6,000.29
744.4	1	319,404	744.4	8,340,706	2,130,430.9	\$5,581.11	\$6,003.50
744.5	1	319,405	744.5	8,341,450	2,129,686.4	\$5,581.78	\$6,004.30
744.6	1	319,406	744.6	8,342,195	2,128,941.8	\$5,582.45	\$6,005.11
744.7	1	319,407	744.7	8,342,940	2,128,197.1	\$5,583.11	\$6,005.91
745.1	1	319,408	745.1	8,343,685	2,127,452.0	\$5,585.79	\$6,009.12
745.7	1	319,409	745.7	8,344,430	2,126,706.3	\$5,589.80	\$6,013.93
746	1	319,410	746.0	8,345,176	2,125,960.3	\$5,591.81	\$6,016.34
746.7	1	319,411	746.7	8,345,923	2,125,213.6	\$5,596.49	\$6,021.95
747.3	1	319,412	747.3	8,346,670	2,124,466.3	\$5,600.50	\$6,026.77
747.5	1	319,413	747.5	8,347,418	2,123,718.8	\$5,601.83	\$6,028.37

## RATE SCHEDULE N (Commerical/Industrial)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
748	1	319,414	748.0	8,348,166	2,122,970.8	\$5,605.18	\$6,032.38
748.2	1	319,415	748.2	8,348,914	2,122,222.6	\$5,606.51	\$6,033.99
748.4	1	319,416	748.4	8,349,663	2,121,474.2	\$5,607.85	\$6,035.59
748.6	1	319,417	748.6	8,350,411	2,120,725.6	\$5,609.19	\$6,037.19
748.9	1	319,418	748.9	8,351,160	2,119,976.7	\$5,611.19	\$6,039.60
749.9	1	319,419	749.9	8,351,910	2,119,226.8	\$5,617.88	\$6,047.62
750	2	319,421	1,500.0	8,353,410	2,117,726.8	\$11,237.10	\$12,096.85
750.3	1	319,422	750.3	8,354,160	2,116,976.5	\$5,620.55	\$6,050.83
750.6	1	319,423	750.6	8,354,911	2,116,225.9	\$5,622.56	\$6,053.24
751	2	319,425	1,502.0	8,356,413	2,114,723.9	\$11,250.47	\$12,112.89
751.1	1	319,426	751.1	8,357,164	2,113,972.8	\$5,625.90	\$6,057.25
752	1	319,427	752.0	8,357,916	2,113,220.8	\$5,631.92	\$6,064.47
752.4	1	319,428	752.4	8,358,668	2,112,468.4	\$5,634.59	\$6,067.68
753	1	319,429	753.0	8,359,421	2,111,715.4	\$5,638.60	\$6,072.49
753.6	1	319,430	753.6	8,360,175	2,110,961.8	\$5,642.61	\$6,077.30
753.7	1	319,431	753.7	8,360,929	2,110,208.1	\$5,643.28	\$6,078.11
754	2	319,433	1,508.0	8,362,437	2,108,700.1	\$11,290.58	\$12,161.03
754.5	1	319,434	754.5	8,363,191	2,107,945.6	\$5,648.63	\$6,084.52
754.7	1	319,435	754.7	8,363,946	2,107,190.9	\$5,649.97	\$6,086.13
754.9	1	319,436	754.9	8,364,701	2,106,436.0	\$5,651.31	\$6,087.73
755	1	319,437	755.0	8,365,456	2,105,681.0	\$5,651.97	\$6,088.53
755.8	1	319,438	755.8	8,366,212	2,104,925.2	\$5,657.32	\$6,094.95
757	2	319,440	1,514.0	8,367,726	2,103,411.2	\$11,330.69	\$12,209.16
757.4	2	319,442	1,514.8	8,369,240	2,101,896.4	\$11,336.04	\$12,215.57
758	2	319,444	1,516.0	8,370,756	2,100,380.4	\$11,344.06	\$12,225.20
758.4	1	319,445	758.4	8,371,515	2,099,622.0	\$5,674.70	\$6,115.81
759.4	1	319,446	759.4	8,372,274	2,098,862.6	\$5,681.39	\$6,123.83
759.7	2	319,448	1,519.4	8,373,794	2,097,343.2	\$11,366.79	\$12,252.47
760.2	1	319,449	760.2	8,374,554	2,096,583.0	\$5,686.74	\$6,130.25
760.6	1	319,450	760.6	8,375,314	2,095,822.4	\$5,689.41	\$6,133.46
760.7	1	319,451	760.7	8,376,075	2,095,061.7	\$5,690.08	\$6,134.26
761	1	319,452	761.0	8,376,836	2,094,300.7	\$5,692.09	\$6,136.67
761.4	1	319,453	761.4	8,377,597	2,093,539.3	\$5,694.76	\$6,139.87
761.7	1	319,454	761.7	8,378,359	2,092,777.6	\$5,696.77	\$6,142.28
762.1	1	319,455	762.1	8,379,121	2,092,015.5	\$5,699.44	\$6,145.49
762.4	1	319,456	762.4	8,379,884	2,091,253.1	\$5,701.45	\$6,147.90
764	1	319,457	764.0	8,380,648	2,090,489.1	\$5,712.14	\$6,160.73
764.1	1	319,458	764.1	8,381,412	2,089,725.0	\$5,712.81	\$6,161.53
764.5	1	319,459	764.5	8,382,176	2,088,960.5	\$5,715.49	\$6,164.74
765	2	319,461	1,530.0	8,383,706	2,087,430.5	\$11,437.66	\$12,337.51
765.1	1	319,462	765.1	8,384,471	2,086,665.4	\$5,719.50	\$6,169.56
765.2	1	319,463	765.2	8,385,237	2,085,900.2	\$5,720.17	\$6,170.36
765.7	1	319,464	765.7	8,386,002	2,085,134.5	\$5,723.51	\$6,174.37
765.8	1	319,465	765.8	8,386,768	2,084,368.7	\$5,724.18	\$6,175.17
767	1	319,466	767.0	8,387,535	2,083,601.7	\$5,732.20	\$6,184.80
769.2	1	319,467	769.2	8,388,304	2,082,832.5	\$5,746.91	\$6,202.45

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
770	2	319,469	1,540.0	8,389,844	2,081,292.5	\$11,504.51	\$12,417.73
770.5	1	319,470	770.5	8,390,615	2,080,522.0	\$5,755.60	\$6,212.87
770.8	1	319,471	770.8	8,391,386	2,079,751.2	\$5,757.60	\$6,215.28
771.4	1	319,472	771.4	8,392,157	2,078,979.8	\$5,761.62	\$6,220.09
771.5	1	319,473	771.5	8,392,928	2,078,208.3	\$5,762.28	\$6,220.90
771.9	1	319,474	771.9	8,393,700	2,077,436.4	\$5,764.96	\$6,224.10
772	1	319,475	772.0	8,394,472	2,076,664.4	\$5,765.63	\$6,224.91
772.9	1	319,476	772.9	8,395,245	2,075,891.5	\$5,771.64	\$6,232.13
773.6	1	319,477	773.6	8,396,019	2,075,117.9	\$5,776.32	\$6,237.74
773.8	1	319,478	773.8	8,396,793	2,074,344.1	\$5,777.66	\$6,239.35
774	1	319,479	774.0	8,397,567	2,073,570.1	\$5,779.00	\$6,240.95
774.5	1	319,480	774.5	8,398,341	2,072,795.6	\$5,782.34	\$6,244.96
775.4	2	319,482	1,550.8	8,399,892	2,071,244.8	\$11,576.71	\$12,504.36
775.6	1	319,483	775.6	8,400,668	2,070,469.2	\$5,789.69	\$6,253.79
776.1	1	319,484	776.1	8,401,444	2,069,693.1	\$5,793.04	\$6,257.80
776.6	1	319,485	776.6	8,402,220	2,068,916.5	\$5,796.38	\$6,261.81
777	1	319,486	777.0	8,402,997	2,068,139.5	\$5,799.05	\$6,265.02
777.1	2	319,488	1,554.2	8,404,551	2,066,585.3	\$11,599.44	\$12,531.64
778.2	1	319,489	778.2	8,405,330	2,065,807.1	\$5,807.08	\$6,274.64
778.3	1	319,490	778.3	8,406,108	2,065,028.8	\$5,807.74	\$6,275.44
778.9	1	319,491	778.9	8,406,887	2,064,249.9	\$5,811.76	\$6,280.26
779	1	319,492	779.0	8,407,666	2,063,470.9	\$5,812.42	\$6,281.06
779.2	1	319,493	779.2	8,408,445	2,062,691.7	\$5,813.76	\$6,282.66
780	1	319,494	780.0	8,409,225	2,061,911.7	\$5,819.11	\$6,289.08
780.3	1	319,495	780.3	8,410,005	2,061,131.4	\$5,821.12	\$6,291.49
780.4	1	319,496	780.4	8,410,786	2,060,351.0	\$5,821.78	\$6,292.29
780.5	1	319,497	780.5	8,411,566	2,059,570.5	\$5,822.45	\$6,293.09
781	1	319,498	781.0	8,412,347	2,058,789.5	\$5,825.79	\$6,297.10
781.6	1	319,499	781.6	8,413,129	2,058,007.9	\$5,829.81	\$6,301.92
781.7	1	319,500	781.7	8,413,911	2,057,226.2	\$5,830.47	\$6,302.72
782.4	2	319,502	1,564.8	8,415,475	2,055,661.4	\$11,670.31	\$12,616.67
782.6	1	319,503	782.6	8,416,258	2,054,878.8	\$5,836.49	\$6,309.94
782.7	1	319,504	782.7	8,417,041	2,054,096.1	\$5,837.16	\$6,310.74
783	1	319,505	783.0	8,417,824	2,053,313.1	\$5,839.17	\$6,313.15
783.2	1	319,506	783.2	8,418,607	2,052,529.9	\$5,840.50	\$6,314.75
783.3	1	319,507	783.3	8,419,390	2,051,746.6	\$5,841.17	\$6,315.55
783.7	1	319,508	783.7	8,420,174	2,050,962.9	\$5,843.85	\$6,318.76
784	2	319,510	1,568.0	8,421,742	2,049,394.9	\$11,691.70	\$12,642.34
784.1	1	319,511	784.1	8,422,526	2,048,610.8	\$5,846.52	\$6,321.97
784.9	1	319,512	784.9	8,423,311	2,047,825.9	\$5,851.87	\$6,328.39
785.9	1	319,513	785.9	8,424,097	2,047,040.0	\$5,858.55	\$6,336.41
788.3	2	319,515	1,576.6	8,425,673	2,045,463.4	\$11,749.20	\$12,711.33
788.4	1	319,516	788.4	8,426,462	2,044,675.0	\$5,875.27	\$6,356.47
789	1	319,517	789.0	8,427,251	2,043,886.0	\$5,879.28	\$6,361.28
789.1	1	319,518	789.1	8,428,040	2,043,096.9	\$5,879.95	\$6,362.08
790	1	319,519	790.0	8,428,830	2,042,306.9	\$5,885.96	\$6,369.30

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
792	2	319,521	1,584.0	8,430,414	2,040,722.9	\$11,798.67	\$12,770.69
792.9	1	319,522	792.9	8,431,207	2,039,930.0	\$5,905.35	\$6,392.56
793.2	1	319,523	793.2	8,432,000	2,039,136.8	\$5,907.36	\$6,394.97
794	1	319,524	794.0	8,432,794	2,038,342.8	\$5,912.71	\$6,401.39
794.2	1	319,525	794.2	8,433,588	2,037,548.6	\$5,914.04	\$6,402.99
794.6	1	319,526	794.6	8,434,383	2,036,754.0	\$5,916.72	\$6,406.20
794.7	1	319,527	794.7	8,435,177	2,035,959.3	\$5,917.38	\$6,407.00
794.9	1	319,528	794.9	8,435,972	2,035,164.4	\$5,918.72	\$6,408.61
795.3	1	319,529	795.3	8,436,768	2,034,369.1	\$5,921.40	\$6,411.82
795.4	1	319,530	795.4	8,437,563	2,033,573.7	\$5,922.06	\$6,412.62
795.7	1	319,531	795.7	8,438,359	2,032,778.0	\$5,924.07	\$6,415.03
796.1	1	319,532	796.1	8,439,155	2,031,981.9	\$5,926.74	\$6,418.23
797.8	1	319,533	797.8	8,439,953	2,031,184.1	\$5,938.11	\$6,431.87
798	1	319,534	798.0	8,440,751	2,030,386.1	\$5,939.45	\$6,433.48
798.3	1	319,535	798.3	8,441,549	2,029,587.8	\$5,941.45	\$6,435.88
799	1	319,536	799.0	8,442,348	2,028,788.8	\$5,946.13	\$6,441.50
799.5	1	319,537	799.5	8,443,147	2,027,989.3	\$5,949.47	\$6,445.51
800	2	319,539	1,600.0	8,444,747	2,026,389.3	\$11,905.64	\$12,899.04
800.4	1	319,540	800.4	8,445,548	2,025,588.9	\$5,955.49	\$6,452.73
800.7	1	319,541	800.7	8,446,349	2,024,788.2	\$5,957.50	\$6,455.14
800.9	1	319,542	800.9	8,447,149	2,023,987.3	\$5,958.83	\$6,456.74
801.2	1	319,543	801.2	8,447,951	2,023,186.1	\$5,960.84	\$6,459.15
802	1	319,544	802.0	8,448,753	2,022,384.1	\$5,966.19	\$6,465.56
803.5	1	319,545	803.5	8,449,556	2,021,580.6	\$5,976.22	\$6,477.60
803.7	1	319,546	803.7	8,450,360	2,020,776.9	\$5,977.55	\$6,479.20
803.8	1	319,547	803.8	8,451,164	2,019,973.1	\$5,978.22	\$6,480.00
804.3	1	319,548	804.3	8,451,968	2,019,168.8	\$5,981.56	\$6,484.01
805.4	2	319,550	1,610.8	8,453,579	2,017,558.0	\$11,977.84	\$12,985.68
805.8	1	319,551	805.8	8,454,385	2,016,752.2	\$5,991.59	\$6,496.05
807.5	1	319,552	807.5	8,455,192	2,015,944.7	\$6,002.96	\$6,509.68
808	1	319,553	808.0	8,456,000	2,015,136.7	\$6,006.30	\$6,513.70
808.2	1	319,554	808.2	8,456,808	2,014,328.5	\$6,007.64	\$6,515.30
809.1	1	319,555	809.1	8,457,617	2,013,519.4	\$6,013.65	\$6,522.52
810	2	319,557	1,620.0	8,459,237	2,011,899.4	\$12,039.34	\$13,059.48
811.4	2	319,559	1,622.8	8,460,860	2,010,276.6	\$12,058.06	\$13,081.94
812.1	1	319,560	812.1	8,461,672	2,009,464.5	\$6,033.71	\$6,546.58
812.9	1	319,561	812.9	8,462,485	2,008,651.6	\$6,039.06	\$6,553.00
813	1	319,562	813.0	8,463,298	2,007,838.6	\$6,039.73	\$6,553.80
813.5	1	319,563	813.5	8,464,112	2,007,025.1	\$6,043.07	\$6,557.82
813.6	1	319,564	813.6	8,464,925	2,006,211.5	\$6,043.74	\$6,558.62
814.1	1	319,565	814.1	8,465,739	2,005,397.4	\$6,047.08	\$6,562.63
815.5	1	319,566	815.5	8,466,555	2,004,581.9	\$6,056.44	\$6,573.86
816.3	1	319,567	816.3	8,467,371	2,003,765.6	\$6,061.79	\$6,580.28
816.8	1	319,568	816.8	8,468,188	2,002,948.8	\$6,065.13	\$6,584.29
817.1	1	319,569	817.1	8,469,005	2,002,131.7	\$6,067.14	\$6,586.69
818	1	319,570	818.0	8,469,823	2,001,313.7	\$6,073.15	\$6,593.91

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
818.2	1	319,571	818.2	8,470,641	2,000,495.5	\$6,074.49	\$6,595.52
819	1	319,572	819.0	8,471,460	1,999,676.5	\$6,079.84	\$6,601.94
819.3	2	319,574	1,638.6	8,473,099	1,998,037.9	\$12,163.69	\$13,208.69
820.2	1	319,575	820.2	8,473,919	1,997,217.7	\$6,087.86	\$6,611.56
820.3	1	319,576	820.3	8,474,739	1,996,397.4	\$6,088.53	\$6,612.36
820.4	1	319,577	820.4	8,475,560	1,995,577.0	\$6,089.20	\$6,613.17
820.9	1	319,578	820.9	8,476,381	1,994,756.1	\$6,092.54	\$6,617.18
821	2	319,580	1,642.0	8,478,023	1,993,114.1	\$12,186.42	\$13,235.96
821.8	1	319,581	821.8	8,478,844	1,992,292.3	\$6,098.56	\$6,624.40
822	1	319,582	822.0	8,479,666	1,991,470.3	\$6,099.90	\$6,626.00
822.2	1	319,583	822.2	8,480,489	1,990,648.1	\$6,101.23	\$6,627.61
823	2	319,585	1,646.0	8,482,135	1,989,002.1	\$12,213.16	\$13,268.05
823.4	1	319,586	823.4	8,482,958	1,988,178.7	\$6,109.26	\$6,637.23
823.6	1	319,587	823.6	8,483,782	1,987,355.1	\$6,110.59	\$6,638.84
824.8	2	319,589	1,649.6	8,485,431	1,985,705.5	\$12,237.23	\$13,296.93
826	2	319,591	1,652.0	8,487,083	1,984,053.5	\$12,253.28	\$13,316.18
826.8	1	319,592	826.8	8,487,910	1,983,226.7	\$6,131.99	\$6,664.51
827	2	319,594	1,654.0	8,489,564	1,981,572.7	\$12,266.65	\$13,332.22
827.5	1	319,595	827.5	8,490,392	1,980,745.2	\$6,136.67	\$6,670.12
827.7	1	319,596	827.7	8,491,219	1,979,917.5	\$6,138.00	\$6,671.73
828.9	1	319,597	828.9	8,492,048	1,979,088.6	\$6,146.03	\$6,681.35
829.4	1	319,598	829.4	8,492,878	1,978,259.2	\$6,149.37	\$6,685.36
830	2	319,600	1,660.0	8,494,538	1,976,599.2	\$12,306.76	\$13,380.35
830.1	1	319,601	830.1	8,495,368	1,975,769.1	\$6,154.05	\$6,690.98
830.4	1	319,602	830.4	8,496,198	1,974,938.7	\$6,156.05	\$6,693.39
830.7	1	319,603	830.7	8,497,029	1,974,108.0	\$6,158.06	\$6,695.79
831.2	1	319,604	831.2	8,497,860	1,973,276.8	\$6,161.40	\$6,699.80
832	1	319,605	832.0	8,498,692	1,972,444.8	\$6,166.75	\$6,706.22
833	1	319,606	833.0	8,499,525	1,971,611.8	\$6,173.44	\$6,714.24
833.4	1	319,607	833.4	8,500,358	1,970,778.4	\$6,176.11	\$6,717.45
834.3	1	319,608	834.3	8,501,193	1,969,944.1	\$6,182.13	\$6,724.67
834.9	1	319,609	834.9	8,502,028	1,969,109.2	\$6,186.14	\$6,729.48
837.1	1	319,610	837.1	8,502,865	1,968,272.1	\$6,200.85	\$6,747.13
837.2	1	319,611	837.2	8,503,702	1,967,434.9	\$6,201.51	\$6,747.93
837.3	1	319,612	837.3	8,504,539	1,966,597.6	\$6,202.18	\$6,748.74
837.6	1	319,613	837.6	8,505,377	1,965,760.0	\$6,204.19	\$6,751.14
838.1	1	319,614	838.1	8,506,215	1,964,921.9	\$6,207.53	\$6,755.15
839	2	319,616	1,678.0	8,507,893	1,963,243.9	\$12,427.10	\$13,524.75
839.2	1	319,617	839.2	8,508,732	1,962,404.7	\$6,214.89	\$6,763.98
840	3	319,620	2,520.0	8,511,252	1,959,884.7	\$18,660.70	\$20,311.19
840.1	2	319,622	1,680.2	8,512,932	1,958,204.5	\$12,441.80	\$13,542.40
841.3	1	319,623	841.3	8,513,774	1,957,363.2	\$6,228.92	\$6,780.82
842.5	1	319,624	842.5	8,514,616	1,956,520.7	\$6,236.95	\$6,790.45
843	1	319,625	843.0	8,515,459	1,955,677.7	\$6,240.29	\$6,794.46
845	2	319,627	1,690.0	8,517,149	1,953,987.7	\$12,507.32	\$13,621.01
845.4	1	319,628	845.4	8,517,994	1,953,142.3	\$6,256.33	\$6,813.71

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
845.9	1	319,629	845.9	8,518,840	1,952,296.4	\$6,259.68	\$6,817.73
846	2	319,631	1,692.0	8,520,532	1,950,604.4	\$12,520.69	\$13,637.05
848	2	319,633	1,696.0	8,522,228	1,948,908.4	\$12,547.43	\$13,669.14
849	1	319,634	849.0	8,523,077	1,948,059.4	\$6,280.40	\$6,842.59
849.4	1	319,635	849.4	8,523,927	1,947,210.0	\$6,283.08	\$6,845.80
849.6	1	319,636	849.6	8,524,776	1,946,360.4	\$6,284.41	\$6,847.41
850	1	319,637	850.0	8,525,626	1,945,510.4	\$6,287.09	\$6,850.62
850.8	1	319,638	850.8	8,526,477	1,944,659.6	\$6,292.44	\$6,857.03
850.9	1	319,639	850.9	8,527,328	1,943,808.7	\$6,293.10	\$6,857.83
851.5	1	319,640	851.5	8,528,180	1,942,957.2	\$6,297.12	\$6,862.65
852.1	1	319,641	852.1	8,529,032	1,942,105.1	\$6,301.13	\$6,867.46
852.5	1	319,642	852.5	8,529,884	1,941,252.6	\$6,303.80	\$6,870.67
853	1	319,643	853.0	8,530,737	1,940,399.6	\$6,307.14	\$6,874.68
855.4	1	319,644	855.4	8,531,593	1,939,544.2	\$6,323.19	\$6,893.93
855.5	1	319,645	855.5	8,532,448	1,938,688.7	\$6,323.86	\$6,894.74
857.3	2	319,647	1,714.6	8,534,163	1,936,974.1	\$12,671.78	\$13,818.35
857.9	1	319,648	857.9	8,535,021	1,936,116.2	\$6,339.90	\$6,913.99
858.8	1	319,649	858.8	8,535,879	1,935,257.4	\$6,345.92	\$6,921.21
858.9	2	319,651	1,717.8	8,537,597	1,933,539.6	\$12,693.18	\$13,844.02
859	1	319,652	859.0	8,538,456	1,932,680.6	\$6,347.26	\$6,922.81
859.2	1	319,653	859.2	8,539,315	1,931,821.4	\$6,348.59	\$6,924.42
859.3	1	319,654	859.3	8,540,175	1,930,962.1	\$6,349.26	\$6,925.22
860	1	319,655	860.0	8,541,035	1,930,102.1	\$6,353.94	\$6,930.83
860.3	1	319,656	860.3	8,541,895	1,929,241.8	\$6,355.95	\$6,933.24
860.7	1	319,657	860.7	8,542,756	1,928,381.1	\$6,358.62	\$6,936.45
860.8	1	319,658	860.8	8,543,616	1,927,520.3	\$6,359.29	\$6,937.25
861	1	319,659	861.0	8,544,477	1,926,659.3	\$6,360.63	\$6,938.86
861.3	1	319,660	861.3	8,545,339	1,925,798.0	\$6,362.63	\$6,941.26
862	1	319,661	862.0	8,546,201	1,924,936.0	\$6,367.31	\$6,946.88
862.4	1	319,662	862.4	8,547,063	1,924,073.6	\$6,369.99	\$6,950.09
862.7	1	319,663	862.7	8,547,926	1,923,210.9	\$6,371.99	\$6,952.49
863	2	319,665	1,726.0	8,549,652	1,921,484.9	\$12,748.00	\$13,909.80
863.2	1	319,666	863.2	8,550,515	1,920,621.7	\$6,375.33	\$6,956.50
863.9	1	319,667	863.9	8,551,379	1,919,757.8	\$6,380.01	\$6,962.12
864	4	319,671	3,456.0	8,554,835	1,916,301.8	\$25,522.73	\$27,851.69
864.5	1	319,672	864.5	8,555,699	1,915,437.3	\$6,384.03	\$6,966.93
864.6	1	319,673	864.6	8,556,564	1,914,572.7	\$6,384.69	\$6,967.73
865.3	1	319,674	865.3	8,557,429	1,913,707.4	\$6,389.37	\$6,973.35
865.4	1	319,675	865.4	8,558,295	1,912,842.0	\$6,390.04	\$6,974.15
866.9	1	319,676	866.9	8,559,162	1,911,975.1	\$6,400.07	\$6,986.19
867	1	319,677	867.0	8,560,029	1,911,108.1	\$6,400.74	\$6,986.99
867.4	1	319,678	867.4	8,560,896	1,910,240.7	\$6,403.41	\$6,990.20
868	1	319,679	868.0	8,561,764	1,909,372.7	\$6,407.42	\$6,995.01
869	2	319,681	1,738.0	8,563,502	1,907,634.7	\$12,828.22	\$14,006.06
869.9	1	319,682	869.9	8,564,372	1,906,764.8	\$6,420.13	\$7,010.25
870	1	319,683	870.0	8,565,242	1,905,894.8	\$6,420.80	\$7,011.05

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
870.3	1	319,684	870.3	8,566,112	1,905,024.5	\$6,422.80	\$7,013.46
870.9	1	319,685	870.9	8,566,983	1,904,153.6	\$6,426.81	\$7,018.27
871.9	1	319,686	871.9	8,567,855	1,903,281.7	\$6,433.50	\$7,026.29
872.5	1	319,687	872.5	8,568,728	1,902,409.2	\$6,437.51	\$7,031.11
872.7	1	319,688	872.7	8,569,600	1,901,536.5	\$6,438.85	\$7,032.71
873	2	319,690	1,746.0	8,571,346	1,899,790.5	\$12,881.70	\$14,070.24
874	1	319,691	874.0	8,572,220	1,898,916.5	\$6,447.54	\$7,043.14
874.1	1	319,692	874.1	8,573,094	1,898,042.4	\$6,448.21	\$7,043.94
874.3	1	319,693	874.3	8,573,969	1,897,168.1	\$6,449.54	\$7,045.55
874.7	1	319,694	874.7	8,574,843	1,896,293.4	\$6,452.22	\$7,048.76
875	1	319,695	875.0	8,575,718	1,895,418.4	\$6,454.22	\$7,051.16
875.5	1	319,696	875.5	8,576,594	1,894,542.9	\$6,457.57	\$7,055.17
876	3	319,699	2,628.0	8,579,222	1,891,914.9	\$19,382.72	\$21,177.55
876.5	1	319,700	876.5	8,580,098	1,891,038.4	\$6,464.25	\$7,063.20
876.7	1	319,701	876.7	8,580,975	1,890,161.7	\$6,465.59	\$7,064.80
877	3	319,704	2,631.0	8,583,606	1,887,530.7	\$19,402.78	\$21,201.62
878	2	319,706	1,756.0	8,585,362	1,885,774.7	\$12,948.56	\$14,150.46
879.2	1	319,707	879.2	8,586,241	1,884,895.5	\$6,482.30	\$7,084.85
879.5	1	319,708	879.5	8,587,121	1,884,016.0	\$6,484.31	\$7,087.26
880	1	319,709	880.0	8,588,001	1,883,136.0	\$6,487.65	\$7,091.27
880.1	1	319,710	880.1	8,588,881	1,882,255.9	\$6,488.32	\$7,092.07
881.7	1	319,711	881.7	8,589,763	1,881,374.2	\$6,499.01	\$7,104.91
881.8	1	319,712	881.8	8,590,644	1,880,492.4	\$6,499.68	\$7,105.71
882.4	1	319,713	882.4	8,591,527	1,879,610.0	\$6,503.69	\$7,110.52
882.9	1	319,714	882.9	8,592,410	1,878,727.1	\$6,507.04	\$7,114.54
884	1	319,715	884.0	8,593,294	1,877,843.1	\$6,514.39	\$7,123.36
884.6	1	319,716	884.6	8,594,178	1,876,958.5	\$6,518.40	\$7,128.17
885	2	319,718	1,770.0	8,595,948	1,875,188.5	\$13,042.15	\$14,262.76
887.3	1	319,719	887.3	8,596,836	1,874,301.2	\$6,536.45	\$7,149.83
888	1	319,720	888.0	8,597,724	1,873,413.2	\$6,541.13	\$7,155.45
888.4	1	319,721	888.4	8,598,612	1,872,524.8	\$6,543.81	\$7,158.66
889	2	319,723	1,778.0	8,600,390	1,870,746.8	\$13,095.64	\$14,326.94
889.9	1	319,724	889.9	8,601,280	1,869,856.9	\$6,553.83	\$7,170.69
890.2	1	319,725	890.2	8,602,170	1,868,966.7	\$6,555.84	\$7,173.10
891.2	1	319,726	891.2	8,603,061	1,868,075.5	\$6,562.53	\$7,181.12
892	3	319,729	2,676.0	8,605,737	1,865,399.5	\$19,703.62	\$21,562.60
892.8	1	319,730	892.8	8,606,630	1,864,506.7	\$6,573.22	\$7,193.95
893	1	319,731	893.0	8,607,523	1,863,613.7	\$6,574.56	\$7,195.56
893.3	1	319,732	893.3	8,608,416	1,862,720.4	\$6,576.57	\$7,197.96
893.7	1	319,733	893.7	8,609,310	1,861,826.7	\$6,579.24	\$7,201.17
894	1	319,734	894.0	8,610,204	1,860,932.7	\$6,581.25	\$7,203.58
895	2	319,736	1,790.0	8,611,994	1,859,142.7	\$13,175.86	\$14,423.20
895.1	1	319,737	895.1	8,612,889	1,858,247.6	\$6,588.60	\$7,212.40
896	2	319,739	1,792.0	8,614,681	1,856,455.6	\$13,189.23	\$14,439.24
896.1	1	319,740	896.1	8,615,577	1,855,559.5	\$6,595.28	\$7,220.42
896.2	1	319,741	896.2	8,616,473	1,854,663.3	\$6,595.95	\$7,221.23



**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
897	1	319,742	897.0	8,617,370	1,853,766.3	\$6,601.30	\$7,227.64
897.3	1	319,743	897.3	8,618,268	1,852,869.0	\$6,603.31	\$7,230.05
897.6	1	319,744	897.6	8,619,165	1,851,971.4	\$6,605.31	\$7,232.46
899	1	319,745	899.0	8,620,064	1,851,072.4	\$6,614.67	\$7,243.69
899.4	1	319,746	899.4	8,620,964	1,850,173.0	\$6,617.35	\$7,246.90
901	2	319,748	1,802.0	8,622,766	1,848,371.0	\$13,256.09	\$14,519.46
902.4	1	319,749	902.4	8,623,668	1,847,468.6	\$6,637.40	\$7,270.96
902.6	1	319,750	902.6	8,624,571	1,846,566.0	\$6,638.74	\$7,272.57
902.7	1	319,751	902.7	8,625,473	1,845,663.3	\$6,639.41	\$7,273.37
903	2	319,753	1,806.0	8,627,279	1,843,857.3	\$13,282.83	\$14,551.55
903.3	1	319,754	903.3	8,628,183	1,842,954.0	\$6,643.42	\$7,278.18
903.4	1	319,755	903.4	8,629,086	1,842,050.6	\$6,644.09	\$7,278.98
903.5	1	319,756	903.5	8,629,990	1,841,147.1	\$6,644.76	\$7,279.79
903.7	1	319,757	903.7	8,630,893	1,840,243.4	\$6,646.09	\$7,281.39
904	1	319,758	904.0	8,631,797	1,839,339.4	\$6,648.10	\$7,283.80
905	2	319,760	1,810.0	8,633,607	1,837,529.4	\$13,309.57	\$14,583.64
907.3	1	319,761	907.3	8,634,515	1,836,622.1	\$6,670.16	\$7,310.27
907.5	1	319,762	907.5	8,635,422	1,835,714.6	\$6,671.50	\$7,311.87
908.6	1	319,763	908.6	8,636,331	1,834,806.0	\$6,678.85	\$7,320.70
908.7	1	319,764	908.7	8,637,239	1,833,897.3	\$6,679.52	\$7,321.50
909	1	319,765	909.0	8,638,148	1,832,988.3	\$6,681.53	\$7,323.91
909.4	1	319,766	909.4	8,639,058	1,832,078.9	\$6,684.20	\$7,327.12
910	1	319,767	910.0	8,639,968	1,831,168.9	\$6,688.21	\$7,331.93
911	2	319,769	1,822.0	8,641,790	1,829,346.9	\$13,389.79	\$14,679.90
912.6	1	319,770	912.6	8,642,702	1,828,434.3	\$6,705.59	\$7,352.79
913	2	319,772	1,826.0	8,644,528	1,826,608.3	\$13,416.54	\$14,711.99
913.2	1	319,773	913.2	8,645,442	1,825,695.1	\$6,709.60	\$7,357.60
914	1	319,774	914.0	8,646,356	1,824,781.1	\$6,714.95	\$7,364.02
914.2	1	319,775	914.2	8,647,270	1,823,866.9	\$6,716.29	\$7,365.62
914.9	1	319,776	914.9	8,648,185	1,822,952.0	\$6,720.97	\$7,371.24
917.2	1	319,777	917.2	8,649,102	1,822,034.8	\$6,736.35	\$7,389.69
917.7	1	319,778	917.7	8,650,020	1,821,117.1	\$6,739.69	\$7,393.70
918	1	319,779	918.0	8,650,938	1,820,199.1	\$6,741.69	\$7,396.10
918.5	1	319,780	918.5	8,651,856	1,819,280.6	\$6,745.04	\$7,400.12
919	1	319,781	919.0	8,652,775	1,818,361.6	\$6,748.38	\$7,404.13
919.5	1	319,782	919.5	8,653,695	1,817,442.1	\$6,751.72	\$7,408.14
921.3	1	319,783	921.3	8,654,616	1,816,520.8	\$6,763.76	\$7,422.58
921.8	1	319,784	921.8	8,655,538	1,815,599.0	\$6,767.10	\$7,426.59
923	1	319,785	923.0	8,656,461	1,814,676.0	\$6,775.12	\$7,436.21
924.3	1	319,786	924.3	8,657,385	1,813,751.7	\$6,783.81	\$7,446.64
924.8	1	319,787	924.8	8,658,310	1,812,826.9	\$6,787.16	\$7,450.65
925.9	1	319,788	925.9	8,659,236	1,811,901.0	\$6,794.51	\$7,459.48
927.3	1	319,789	927.3	8,660,163	1,810,973.7	\$6,803.87	\$7,470.71
927.5	1	319,790	927.5	8,661,091	1,810,046.2	\$6,805.21	\$7,472.31
927.8	1	319,791	927.8	8,662,018	1,809,118.4	\$6,807.21	\$7,474.72
928.9	1	319,792	928.9	8,662,947	1,808,189.5	\$6,814.57	\$7,483.54

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
931	1	319,793	931.0	8,663,878	1,807,258.5	\$6,828.60	\$7,500.39
931.4	1	319,794	931.4	8,664,810	1,806,327.1	\$6,831.28	\$7,503.60
931.5	1	319,795	931.5	8,665,741	1,805,395.6	\$6,831.95	\$7,504.40
933.6	1	319,796	933.6	8,666,675	1,804,462.0	\$6,845.99	\$7,521.25
937	1	319,797	937.0	8,667,612	1,803,525.0	\$6,868.72	\$7,548.52
937.8	1	319,798	937.8	8,668,550	1,802,587.2	\$6,874.07	\$7,554.94
939.2	1	319,799	939.2	8,669,489	1,801,648.0	\$6,883.43	\$7,566.17
939.9	1	319,800	939.9	8,670,429	1,800,708.1	\$6,888.10	\$7,571.78
940	1	319,801	940.0	8,671,369	1,799,768.1	\$6,888.77	\$7,572.59
940.8	1	319,802	940.8	8,672,309	1,798,827.3	\$6,894.12	\$7,579.00
942.8	1	319,803	942.8	8,673,252	1,797,884.5	\$6,907.49	\$7,595.05
943.1	1	319,804	943.1	8,674,195	1,796,941.4	\$6,909.50	\$7,597.45
943.6	1	319,805	943.6	8,675,139	1,795,997.8	\$6,912.84	\$7,601.46
943.9	1	319,806	943.9	8,676,083	1,795,053.9	\$6,914.85	\$7,603.87
944	1	319,807	944.0	8,677,027	1,794,109.9	\$6,915.52	\$7,604.67
944.3	1	319,808	944.3	8,677,971	1,793,165.6	\$6,917.52	\$7,607.08
944.6	1	319,809	944.6	8,678,916	1,792,221.0	\$6,919.53	\$7,609.49
944.7	1	319,810	944.7	8,679,860	1,791,276.3	\$6,920.19	\$7,610.29
945.7	1	319,811	945.7	8,680,806	1,790,330.6	\$6,926.88	\$7,618.31
946	1	319,812	946.0	8,681,752	1,789,384.6	\$6,928.89	\$7,620.72
947	1	319,813	947.0	8,682,699	1,788,437.6	\$6,935.57	\$7,628.74
947.5	1	319,814	947.5	8,683,647	1,787,490.1	\$6,938.91	\$7,632.75
949	1	319,815	949.0	8,684,596	1,786,541.1	\$6,948.94	\$7,644.78
949.9	1	319,816	949.9	8,685,546	1,785,591.2	\$6,954.96	\$7,652.00
950.1	1	319,817	950.1	8,686,496	1,784,641.1	\$6,956.30	\$7,653.61
950.2	1	319,818	950.2	8,687,446	1,783,690.9	\$6,956.96	\$7,654.41
951	1	319,819	951.0	8,688,397	1,782,739.9	\$6,962.31	\$7,660.83
952	1	319,820	952.0	8,689,349	1,781,787.9	\$6,969.00	\$7,668.85
953.8	1	319,821	953.8	8,690,303	1,780,834.1	\$6,981.03	\$7,683.29
954	1	319,822	954.0	8,691,257	1,779,880.1	\$6,982.37	\$7,684.89
954.9	1	319,823	954.9	8,692,212	1,778,925.2	\$6,988.39	\$7,692.11
957	1	319,824	957.0	8,693,169	1,777,968.2	\$7,002.43	\$7,708.96
958	2	319,826	1,916.0	8,695,085	1,776,052.2	\$14,018.22	\$15,433.96
958.6	1	319,827	958.6	8,696,043	1,775,093.6	\$7,013.12	\$7,721.79
958.9	1	319,828	958.9	8,697,002	1,774,134.7	\$7,015.13	\$7,724.20
959.8	1	319,829	959.8	8,697,962	1,773,174.9	\$7,021.14	\$7,731.42
960.2	1	319,830	960.2	8,698,922	1,772,214.7	\$7,023.82	\$7,734.63
961	1	319,831	961.0	8,699,883	1,771,253.7	\$7,029.17	\$7,741.05
961.7	1	319,832	961.7	8,700,845	1,770,292.0	\$7,033.85	\$7,746.66
962.4	1	319,833	962.4	8,701,807	1,769,329.6	\$7,038.53	\$7,752.28
963	1	319,834	963.0	8,702,770	1,768,366.6	\$7,042.54	\$7,757.09
965.8	1	319,835	965.8	8,703,736	1,767,400.8	\$7,061.26	\$7,779.55
965.9	1	319,836	965.9	8,704,702	1,766,434.9	\$7,061.93	\$7,780.35
967	1	319,837	967.0	8,705,669	1,765,467.9	\$7,069.28	\$7,789.18
967.2	1	319,838	967.2	8,706,636	1,764,500.7	\$7,070.62	\$7,790.78
969.1	1	319,839	969.1	8,707,605	1,763,531.6	\$7,083.32	\$7,806.02

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
969.3	1	319,840	969.3	8,708,574	1,762,562.3	\$7,084.66	\$7,807.63
970.3	2	319,842	1,940.6	8,710,515	1,760,621.7	\$14,182.68	\$15,631.30
970.5	1	319,843	970.5	8,711,486	1,759,651.2	\$7,092.68	\$7,817.25
971	1	319,844	971.0	8,712,457	1,758,680.2	\$7,096.02	\$7,821.26
971.8	1	319,845	971.8	8,713,428	1,757,708.4	\$7,101.37	\$7,827.68
972	1	319,846	972.0	8,714,400	1,756,736.4	\$7,102.71	\$7,829.29
972.4	1	319,847	972.4	8,715,373	1,755,764.0	\$7,105.38	\$7,832.50
972.6	1	319,848	972.6	8,716,345	1,754,791.4	\$7,106.72	\$7,834.10
972.7	1	319,849	972.7	8,717,318	1,753,818.7	\$7,107.39	\$7,834.90
973.2	1	319,850	973.2	8,718,291	1,752,845.5	\$7,110.73	\$7,838.91
973.6	1	319,851	973.6	8,719,265	1,751,871.9	\$7,113.40	\$7,842.12
974	2	319,853	1,948.0	8,721,213	1,749,923.9	\$14,232.15	\$15,690.66
975.8	1	319,854	975.8	8,722,189	1,748,948.1	\$7,128.11	\$7,859.77
976	1	319,855	976.0	8,723,165	1,747,972.1	\$7,129.45	\$7,861.37
977.1	1	319,856	977.1	8,724,142	1,746,995.0	\$7,136.80	\$7,870.20
978	1	319,857	978.0	8,725,120	1,746,017.0	\$7,142.82	\$7,877.42
979.6	1	319,858	979.6	8,726,099	1,745,037.4	\$7,153.52	\$7,890.25
982.2	1	319,859	982.2	8,727,082	1,744,055.2	\$7,170.90	\$7,911.11
982.5	2	319,861	1,965.0	8,729,047	1,742,090.2	\$14,345.81	\$15,827.03
983	1	319,862	983.0	8,730,030	1,741,107.2	\$7,176.25	\$7,917.53
983.4	1	319,863	983.4	8,731,013	1,740,123.8	\$7,178.92	\$7,920.74
984.2	1	319,864	984.2	8,731,997	1,739,139.6	\$7,184.27	\$7,927.15
985	3	319,867	2,955.0	8,734,952	1,736,184.6	\$21,568.85	\$23,800.71
986	1	319,868	986.0	8,735,938	1,735,198.6	\$7,196.30	\$7,941.59
988.8	1	319,869	988.8	8,736,927	1,734,209.8	\$7,215.02	\$7,964.05
989	1	319,870	989.0	8,737,916	1,733,220.8	\$7,216.36	\$7,965.66
990.2	1	319,871	990.2	8,738,906	1,732,230.6	\$7,224.38	\$7,975.29
991	1	319,872	991.0	8,739,897	1,731,239.6	\$7,229.73	\$7,981.70
991.4	1	319,873	991.4	8,740,889	1,730,248.2	\$7,232.40	\$7,984.91
991.8	2	319,875	1,983.6	8,742,872	1,728,264.6	\$14,470.15	\$15,976.24
992	1	319,876	992.0	8,743,864	1,727,272.6	\$7,236.41	\$7,989.72
993	1	319,877	993.0	8,744,857	1,726,279.6	\$7,243.10	\$7,997.75
993.3	1	319,878	993.3	8,745,850	1,725,286.3	\$7,245.11	\$8,000.15
993.4	1	319,879	993.4	8,746,844	1,724,292.9	\$7,245.77	\$8,000.96
994.4	1	319,880	994.4	8,747,838	1,723,298.5	\$7,252.46	\$8,008.98
994.6	1	319,881	994.6	8,748,833	1,722,303.9	\$7,253.80	\$8,010.58
994.7	2	319,883	1,989.4	8,750,822	1,720,314.5	\$14,508.93	\$16,022.77
995.8	1	319,884	995.8	8,751,818	1,719,318.7	\$7,261.82	\$8,020.21
996	1	319,885	996.0	8,752,814	1,718,322.7	\$7,263.16	\$8,021.81
998	1	319,886	998.0	8,753,812	1,717,324.7	\$7,276.53	\$8,037.86
999.9	4	319,890	3,999.6	8,757,812	1,713,325.1	\$29,156.92	\$32,212.39
1000	2	319,892	2,000.0	8,759,812	1,711,325.1	\$14,579.80	\$16,107.80
1000.2	1	319,893	1,000.2	8,760,812	1,710,324.9	\$7,291.23	\$8,055.50
1001	1	319,894	1,001.0	8,761,813	1,709,323.9	\$7,296.58	\$8,061.92
1002	1	319,895	1,002.0	8,762,815	1,708,321.9	\$7,303.27	\$8,069.94
1003	1	319,896	1,003.0	8,763,818	1,707,318.9	\$7,309.95	\$8,077.97

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
1005	1	319,897	1,005.0	8,764,823	1,706,313.9	\$7,323.32	\$8,094.01
1005.4	1	319,898	1,005.4	8,765,828	1,705,308.5	\$7,326.00	\$8,097.22
1006.8	1	319,899	1,006.8	8,766,835	1,704,301.7	\$7,335.36	\$8,108.45
1008	1	319,900	1,008.0	8,767,843	1,703,293.7	\$7,343.38	\$8,118.08
1008.8	1	319,901	1,008.8	8,768,852	1,702,284.9	\$7,348.73	\$8,124.49
1009.3	2	319,903	2,018.6	8,770,870	1,700,266.3	\$14,704.14	\$16,257.01
1010	1	319,904	1,010.0	8,771,880	1,699,256.3	\$7,356.75	\$8,134.12
1011.4	1	319,905	1,011.4	8,772,892	1,698,244.9	\$7,366.11	\$8,145.35
1012.8	1	319,906	1,012.8	8,773,905	1,697,232.1	\$7,375.47	\$8,156.58
1015.3	1	319,907	1,015.3	8,774,920	1,696,216.8	\$7,392.18	\$8,176.64
1015.9	1	319,908	1,015.9	8,775,936	1,695,200.9	\$7,396.20	\$8,181.45
1016.2	1	319,909	1,016.2	8,776,952	1,694,184.7	\$7,398.20	\$8,183.85
1017	1	319,910	1,017.0	8,777,969	1,693,167.7	\$7,403.55	\$8,190.27
1017.8	1	319,911	1,017.8	8,778,987	1,692,149.9	\$7,408.90	\$8,196.69
1019.3	1	319,912	1,019.3	8,780,006	1,691,130.6	\$7,418.93	\$8,208.72
1020	1	319,913	1,020.0	8,781,026	1,690,110.6	\$7,423.61	\$8,214.34
1021.8	1	319,914	1,021.8	8,782,048	1,689,088.8	\$7,435.64	\$8,228.78
1022.6	1	319,915	1,022.6	8,783,071	1,688,066.2	\$7,440.99	\$8,235.19
1022.9	1	319,916	1,022.9	8,784,093	1,687,043.3	\$7,442.99	\$8,237.60
1023	1	319,917	1,023.0	8,785,116	1,686,020.3	\$7,443.66	\$8,238.40
1023.6	1	319,918	1,023.6	8,786,140	1,684,996.7	\$7,447.67	\$8,243.22
1024.3	1	319,919	1,024.3	8,787,164	1,683,972.4	\$7,452.35	\$8,248.83
1025	2	319,921	2,050.0	8,789,214	1,681,922.4	\$14,914.07	\$16,508.90
1027	2	319,923	2,054.0	8,791,268	1,679,868.4	\$14,940.81	\$16,540.98
1027.3	1	319,924	1,027.3	8,792,296	1,678,841.1	\$7,472.41	\$8,272.90
1029	2	319,926	2,058.0	8,794,354	1,676,783.1	\$14,967.55	\$16,573.07
1030.9	2	319,928	2,061.8	8,796,415	1,674,721.3	\$14,992.95	\$16,603.55
1031	1	319,929	1,031.0	8,797,446	1,673,690.3	\$7,497.14	\$8,302.58
1031.6	1	319,930	1,031.6	8,798,478	1,672,658.7	\$7,501.16	\$8,307.39
1032	2	319,932	2,064.0	8,800,542	1,670,594.7	\$15,007.66	\$16,621.20
1032.8	1	319,933	1,032.8	8,801,575	1,669,561.9	\$7,509.18	\$8,317.02
1035.7	1	319,934	1,035.7	8,802,611	1,668,526.2	\$7,528.57	\$8,340.28
1036.4	1	319,935	1,036.4	8,803,647	1,667,489.8	\$7,533.25	\$8,345.90
1037.3	1	319,936	1,037.3	8,804,684	1,666,452.5	\$7,539.26	\$8,353.12
1038	1	319,937	1,038.0	8,805,722	1,665,414.5	\$7,543.94	\$8,358.73
1038.3	1	319,938	1,038.3	8,806,761	1,664,376.2	\$7,545.95	\$8,361.14
1040	1	319,939	1,040.0	8,807,801	1,663,336.2	\$7,557.31	\$8,374.78
1040.4	1	319,940	1,040.4	8,808,841	1,662,295.8	\$7,559.99	\$8,377.98
1040.8	1	319,941	1,040.8	8,809,882	1,661,255.0	\$7,562.66	\$8,381.19
1041.1	1	319,942	1,041.1	8,810,923	1,660,213.9	\$7,564.67	\$8,383.60
1042.9	1	319,943	1,042.9	8,811,966	1,659,171.0	\$7,576.70	\$8,398.04
1044	1	319,944	1,044.0	8,813,010	1,658,127.0	\$7,584.06	\$8,406.86
1044.7	1	319,945	1,044.7	8,814,054	1,657,082.3	\$7,588.73	\$8,412.48
1045	1	319,946	1,045.0	8,815,099	1,656,037.3	\$7,590.74	\$8,414.89
1045.9	1	319,947	1,045.9	8,816,145	1,654,991.4	\$7,596.76	\$8,422.11
1046	1	319,948	1,046.0	8,817,191	1,653,945.4	\$7,597.43	\$8,422.91

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
1046.4	1	319,949	1,046.4	8,818,238	1,652,899.0	\$7,600.10	\$8,426.12
1047	1	319,950	1,047.0	8,819,285	1,651,852.0	\$7,604.11	\$8,430.93
1048	2	319,952	2,096.0	8,821,381	1,649,756.0	\$15,221.59	\$16,877.90
1049	1	319,953	1,049.0	8,822,430	1,648,707.0	\$7,617.48	\$8,446.97
1049.8	1	319,954	1,049.8	8,823,480	1,647,657.2	\$7,622.83	\$8,453.39
1050	1	319,955	1,050.0	8,824,530	1,646,607.2	\$7,624.17	\$8,455.00
1050.2	1	319,956	1,050.2	8,825,580	1,645,557.0	\$7,625.50	\$8,456.60
1051.9	1	319,957	1,051.9	8,826,632	1,644,505.1	\$7,636.87	\$8,470.24
1053.5	1	319,958	1,053.5	8,827,685	1,643,451.6	\$7,647.57	\$8,483.07
1054	1	319,959	1,054.0	8,828,739	1,642,397.6	\$7,650.91	\$8,487.08
1054.1	1	319,960	1,054.1	8,829,793	1,641,343.5	\$7,651.58	\$8,487.88
1055	1	319,961	1,055.0	8,830,848	1,640,288.5	\$7,657.59	\$8,495.10
1055.3	2	319,963	2,110.6	8,832,959	1,638,177.9	\$15,319.20	\$16,995.02
1056.7	1	319,964	1,056.7	8,834,016	1,637,121.2	\$7,668.96	\$8,508.74
1056.8	1	319,965	1,056.8	8,835,072	1,636,064.4	\$7,669.63	\$8,509.54
1057.8	1	319,966	1,057.8	8,836,130	1,635,006.6	\$7,676.31	\$8,517.57
1058.9	1	319,967	1,058.9	8,837,189	1,633,947.7	\$7,683.67	\$8,526.39
1059.8	1	319,968	1,059.8	8,838,249	1,632,887.9	\$7,689.68	\$8,533.61
1060	2	319,970	2,120.0	8,840,369	1,630,767.9	\$15,382.04	\$17,070.43
1060.1	2	319,972	2,120.2	8,842,489	1,628,647.7	\$15,383.38	\$17,072.03
1061.3	1	319,973	1,061.3	8,843,550	1,627,586.4	\$7,699.71	\$8,545.64
1064	2	319,975	2,128.0	8,845,678	1,625,458.4	\$15,435.53	\$17,134.60
1064.3	1	319,976	1,064.3	8,846,743	1,624,394.1	\$7,719.77	\$8,569.71
1065.4	1	319,977	1,065.4	8,847,808	1,623,328.7	\$7,727.12	\$8,578.53
1066	1	319,978	1,066.0	8,848,874	1,622,262.7	\$7,731.13	\$8,583.35
1067.4	1	319,979	1,067.4	8,849,941	1,621,195.3	\$7,740.49	\$8,594.58
1068	1	319,980	1,068.0	8,851,009	1,620,127.3	\$7,744.50	\$8,599.39
1069	2	319,982	2,138.0	8,853,147	1,617,989.3	\$15,502.38	\$17,214.82
1070.8	1	319,983	1,070.8	8,854,218	1,616,918.5	\$7,763.22	\$8,621.85
1072.4	1	319,984	1,072.4	8,855,291	1,615,846.1	\$7,773.92	\$8,634.69
1074	1	319,985	1,074.0	8,856,365	1,614,772.1	\$7,784.62	\$8,647.52
1075	2	319,987	2,150.0	8,858,515	1,612,622.1	\$15,582.61	\$17,311.09
1077.5	1	319,988	1,077.5	8,859,592	1,611,544.6	\$7,808.02	\$8,675.60
1078	1	319,989	1,078.0	8,860,670	1,610,466.6	\$7,811.36	\$8,679.61
1081.3	1	319,990	1,081.3	8,861,751	1,609,385.3	\$7,833.42	\$8,706.08
1083.3	1	319,991	1,083.3	8,862,835	1,608,302.0	\$7,846.79	\$8,722.12
1083.8	1	319,992	1,083.8	8,863,919	1,607,218.2	\$7,850.13	\$8,726.14
1084.7	1	319,993	1,084.7	8,865,003	1,606,133.5	\$7,856.15	\$8,733.35
1087.3	1	319,994	1,087.3	8,866,091	1,605,046.2	\$7,873.53	\$8,754.21
1090	1	319,995	1,090.0	8,867,181	1,603,956.2	\$7,891.58	\$8,775.87
1090.5	1	319,996	1,090.5	8,868,271	1,602,865.7	\$7,894.93	\$8,779.88
1090.6	1	319,997	1,090.6	8,869,362	1,601,775.1	\$7,895.59	\$8,780.68
1091	2	319,999	2,182.0	8,871,544	1,599,593.1	\$15,796.54	\$17,567.79
1092.2	1	320,000	1,092.2	8,872,636	1,598,500.9	\$7,906.29	\$8,793.52
1092.6	1	320,001	1,092.6	8,873,728	1,597,408.3	\$7,908.97	\$8,796.73
1094	2	320,003	2,188.0	8,875,916	1,595,220.3	\$15,836.65	\$17,615.92

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
1095	1	320,004	1,095.0	8,877,011	1,594,125.3	\$7,925.01	\$8,815.98
1096.2	1	320,005	1,096.2	8,878,108	1,593,029.1	\$7,933.03	\$8,825.61
1096.5	1	320,006	1,096.5	8,879,204	1,591,932.6	\$7,935.04	\$8,828.01
1101	1	320,007	1,101.0	8,880,305	1,590,831.6	\$7,965.12	\$8,864.11
1102	1	320,008	1,102.0	8,881,407	1,589,729.6	\$7,971.81	\$8,872.13
1103.7	1	320,009	1,103.7	8,882,511	1,588,625.9	\$7,983.17	\$8,885.77
1104	1	320,010	1,104.0	8,883,615	1,587,521.9	\$7,985.18	\$8,888.18
1105.5	1	320,011	1,105.5	8,884,720	1,586,416.4	\$7,995.21	\$8,900.21
1112.3	1	320,012	1,112.3	8,885,833	1,585,304.1	\$8,040.67	\$8,954.76
1113	1	320,013	1,113.0	8,886,946	1,584,191.1	\$8,045.35	\$8,960.37
1113.4	1	320,014	1,113.4	8,888,059	1,583,077.7	\$8,048.02	\$8,963.58
1114	2	320,016	2,228.0	8,890,287	1,580,849.7	\$16,104.07	\$17,936.79
1115.9	1	320,017	1,115.9	8,891,403	1,579,733.8	\$8,064.74	\$8,983.64
1116	1	320,018	1,116.0	8,892,519	1,578,617.8	\$8,065.40	\$8,984.44
1117	3	320,021	3,351.0	8,895,870	1,575,266.8	\$24,216.27	\$26,977.39
1117.2	1	320,022	1,117.2	8,896,987	1,574,149.6	\$8,073.43	\$8,994.07
1118.4	1	320,023	1,118.4	8,898,106	1,573,031.2	\$8,081.45	\$9,003.69
1120	1	320,024	1,120.0	8,899,226	1,571,911.2	\$8,092.15	\$9,016.53
1124	1	320,025	1,124.0	8,900,350	1,570,787.2	\$8,118.89	\$9,048.62
1126	1	320,026	1,126.0	8,901,476	1,569,661.2	\$8,132.26	\$9,064.66
1126.1	2	320,028	2,252.2	8,903,728	1,567,409.0	\$16,265.85	\$18,130.92
1127	1	320,029	1,127.0	8,904,855	1,566,282.0	\$8,138.94	\$9,072.68
1128	1	320,030	1,128.0	8,905,983	1,565,154.0	\$8,145.63	\$9,080.70
1128.1	1	320,031	1,128.1	8,907,111	1,564,025.9	\$8,146.30	\$9,081.51
1129.4	1	320,032	1,129.4	8,908,240	1,562,896.5	\$8,154.99	\$9,091.93
1130.2	1	320,033	1,130.2	8,909,370	1,561,766.3	\$8,160.34	\$9,098.35
1134	1	320,034	1,134.0	8,910,504	1,560,632.3	\$8,185.74	\$9,128.83
1135.7	1	320,035	1,135.7	8,911,640	1,559,496.6	\$8,197.11	\$9,142.47
1137.8	1	320,036	1,137.8	8,912,778	1,558,358.8	\$8,211.15	\$9,159.32
1138	2	320,038	2,276.0	8,915,054	1,556,082.8	\$16,424.97	\$18,321.84
1140	1	320,039	1,140.0	8,916,194	1,554,942.8	\$8,225.85	\$9,176.97
1140.4	1	320,040	1,140.4	8,917,334	1,553,802.4	\$8,228.53	\$9,180.17
1143.1	1	320,041	1,143.1	8,918,477	1,552,659.3	\$8,246.58	\$9,201.83
1143.8	1	320,042	1,143.8	8,919,621	1,551,515.5	\$8,251.26	\$9,207.45
1144	3	320,045	3,432.0	8,923,053	1,548,083.5	\$24,757.79	\$27,627.16
1145.8	1	320,046	1,145.8	8,924,199	1,546,937.7	\$8,264.63	\$9,223.49
1147.1	1	320,047	1,147.1	8,925,346	1,545,790.6	\$8,273.32	\$9,233.92
1148.9	1	320,048	1,148.9	8,926,495	1,544,641.7	\$8,285.35	\$9,248.36
1149.6	1	320,049	1,149.6	8,927,645	1,543,492.1	\$8,290.03	\$9,253.98
1149.9	1	320,050	1,149.9	8,928,795	1,542,342.2	\$8,292.04	\$9,256.38
1150.4	1	320,051	1,150.4	8,929,945	1,541,191.8	\$8,295.38	\$9,260.39
1151.7	1	320,052	1,151.7	8,931,097	1,540,040.1	\$8,304.07	\$9,270.82
1152.6	1	320,053	1,152.6	8,932,249	1,538,887.5	\$8,310.09	\$9,278.04
1153	1	320,054	1,153.0	8,933,402	1,537,734.5	\$8,312.76	\$9,281.25
1156	1	320,055	1,156.0	8,934,558	1,536,578.5	\$8,332.82	\$9,305.32
1159	2	320,057	2,318.0	8,936,876	1,534,260.5	\$16,705.75	\$18,658.76

**RATE SCHEDULE N (Commerical/Industrial)****Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
1159.7	1	320,058	1,159.7	8,938,036	1,533,100.8	\$8,357.56	\$9,335.00
1160	1	320,059	1,160.0	8,939,196	1,531,940.8	\$8,359.56	\$9,337.40
1163.4	1	320,060	1,163.4	8,940,359	1,530,777.4	\$8,382.29	\$9,364.68
1166	1	320,061	1,166.0	8,941,525	1,529,611.4	\$8,399.67	\$9,385.54
1166.1	1	320,062	1,166.1	8,942,691	1,528,445.3	\$8,400.34	\$9,386.34
1167	2	320,064	2,334.0	8,945,025	1,526,111.3	\$16,812.72	\$18,787.11
1168	1	320,065	1,168.0	8,946,193	1,524,943.3	\$8,413.04	\$9,401.58
1168.1	1	320,066	1,168.1	8,947,362	1,523,775.2	\$8,413.71	\$9,402.38
1171.6	1	320,067	1,171.6	8,948,533	1,522,603.6	\$8,437.11	\$9,430.46
1172	1	320,068	1,172.0	8,949,705	1,521,431.6	\$8,439.79	\$9,433.67
1173.8	1	320,069	1,173.8	8,950,879	1,520,257.8	\$8,451.82	\$9,448.11
1175	2	320,071	2,350.0	8,953,229	1,517,907.8	\$16,919.69	\$18,915.47
1175.7	1	320,072	1,175.7	8,954,405	1,516,732.1	\$8,464.52	\$9,463.35
1176.5	1	320,073	1,176.5	8,955,581	1,515,555.6	\$8,469.87	\$9,469.77
1177.4	1	320,074	1,177.4	8,956,759	1,514,378.2	\$8,475.89	\$9,476.99
1177.9	1	320,075	1,177.9	8,957,936	1,513,200.3	\$8,479.23	\$9,481.00
1178.2	1	320,076	1,178.2	8,959,115	1,512,022.1	\$8,481.24	\$9,483.40
1181.4	1	320,077	1,181.4	8,960,296	1,510,840.7	\$8,502.63	\$9,509.07
1184	1	320,078	1,184.0	8,961,480	1,509,656.7	\$8,520.01	\$9,529.93
1184.1	1	320,079	1,184.1	8,962,664	1,508,472.6	\$8,520.68	\$9,530.73
1185	1	320,080	1,185.0	8,963,849	1,507,287.6	\$8,526.70	\$9,537.95
1187	2	320,082	2,374.0	8,966,223	1,504,913.6	\$17,080.13	\$19,107.99
1188	1	320,083	1,188.0	8,967,411	1,503,725.6	\$8,546.75	\$9,562.02
1188.2	1	320,084	1,188.2	8,968,599	1,502,537.4	\$8,548.09	\$9,563.62
1189	1	320,085	1,189.0	8,969,788	1,501,348.4	\$8,553.44	\$9,570.04
1190	1	320,086	1,190.0	8,970,978	1,500,158.4	\$8,560.12	\$9,578.06
1191.4	1	320,087	1,191.4	8,972,170	1,498,967.0	\$8,569.48	\$9,589.29
1193	1	320,088	1,193.0	8,973,363	1,497,774.0	\$8,580.18	\$9,602.13
1194	1	320,089	1,194.0	8,974,557	1,496,580.0	\$8,586.87	\$9,610.15
1197	1	320,090	1,197.0	8,975,754	1,495,383.0	\$8,606.92	\$9,634.21
1199	1	320,091	1,199.0	8,976,953	1,494,184.0	\$8,620.29	\$9,650.26
1199.3	1	320,092	1,199.3	8,978,152	1,492,984.7	\$8,622.30	\$9,652.66
1200.9	1	320,093	1,200.9	8,979,353	1,491,783.8	\$8,632.99	\$9,665.50
1202	1	320,094	1,202.0	8,980,555	1,490,581.8	\$8,640.35	\$9,674.32
1203	1	320,095	1,203.0	8,981,758	1,489,378.8	\$8,647.03	\$9,682.35
1203.4	1	320,096	1,203.4	8,982,961	1,488,175.4	\$8,649.71	\$9,685.55
1203.5	1	320,097	1,203.5	8,984,165	1,486,971.9	\$8,650.38	\$9,686.36
1205	1	320,098	1,205.0	8,985,370	1,485,766.9	\$8,660.40	\$9,698.39
1206.9	1	320,099	1,206.9	8,986,577	1,484,560.0	\$8,673.11	\$9,713.63
1208	1	320,100	1,208.0	8,987,785	1,483,352.0	\$8,680.46	\$9,722.46
1208.4	1	320,101	1,208.4	8,988,993	1,482,143.6	\$8,683.13	\$9,725.66
1211.1	1	320,102	1,211.1	8,990,204	1,480,932.5	\$8,701.19	\$9,747.32
1213.8	1	320,103	1,213.8	8,991,418	1,479,718.7	\$8,719.24	\$9,768.98
1217	3	320,106	3,651.0	8,995,069	1,476,067.7	\$26,221.89	\$29,383.96
1219.9	1	320,107	1,219.9	8,996,289	1,474,847.8	\$8,760.02	\$9,817.92
1221	1	320,108	1,221.0	8,997,510	1,473,626.8	\$8,767.37	\$9,826.74

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
1223	2	320,110	2,446.0	8,999,956	1,471,180.8	\$17,561.48	\$19,685.57
1224.9	1	320,111	1,224.9	9,001,181	1,469,955.9	\$8,793.44	\$9,858.03
1226	1	320,112	1,226.0	9,002,407	1,468,729.9	\$8,800.80	\$9,866.85
1227	1	320,113	1,227.0	9,003,634	1,467,502.9	\$8,807.48	\$9,874.87
1229.2	1	320,114	1,229.2	9,004,863	1,466,273.7	\$8,822.19	\$9,892.52
1230	3	320,117	3,690.0	9,008,553	1,462,583.7	\$26,482.62	\$29,696.81
1231	1	320,118	1,231.0	9,009,784	1,461,352.7	\$8,834.22	\$9,906.96
1232	1	320,119	1,232.0	9,011,016	1,460,120.7	\$8,840.91	\$9,914.98
1232.5	1	320,120	1,232.5	9,012,249	1,458,888.2	\$8,844.25	\$9,918.99
1232.7	1	320,121	1,232.7	9,013,481	1,457,655.5	\$8,845.59	\$9,920.60
1235.3	1	320,122	1,235.3	9,014,717	1,456,420.2	\$8,862.97	\$9,941.45
1237	1	320,123	1,237.0	9,015,954	1,455,183.2	\$8,874.34	\$9,955.09
1238	1	320,124	1,238.0	9,017,192	1,453,945.2	\$8,881.02	\$9,963.11
1245	1	320,125	1,245.0	9,018,437	1,452,700.2	\$8,927.82	\$10,019.27
1245.7	1	320,126	1,245.7	9,019,682	1,451,454.5	\$8,932.50	\$10,024.88
1251.7	1	320,127	1,251.7	9,020,934	1,450,202.8	\$8,972.61	\$10,073.01
1254	1	320,128	1,254.0	9,022,188	1,448,948.8	\$8,987.99	\$10,091.46
1257.9	1	320,129	1,257.9	9,023,446	1,447,690.9	\$9,014.06	\$10,122.75
1258.7	1	320,130	1,258.7	9,024,705	1,446,432.2	\$9,019.41	\$10,129.17
1260.8	1	320,131	1,260.8	9,025,965	1,445,171.4	\$9,033.45	\$10,146.01
1264	1	320,132	1,264.0	9,027,229	1,443,907.4	\$9,054.84	\$10,171.68
1264.8	1	320,133	1,264.8	9,028,494	1,442,642.6	\$9,060.19	\$10,178.10
1265.7	1	320,134	1,265.7	9,029,760	1,441,376.9	\$9,066.21	\$10,185.32
1270	1	320,135	1,270.0	9,031,030	1,440,106.9	\$9,094.96	\$10,219.81
1273	1	320,136	1,273.0	9,032,303	1,438,833.9	\$9,115.01	\$10,243.88
1274.9	1	320,137	1,274.9	9,033,578	1,437,559.0	\$9,127.71	\$10,259.12
1275.7	1	320,138	1,275.7	9,034,853	1,436,283.3	\$9,133.06	\$10,265.54
1278	1	320,139	1,278.0	9,036,131	1,435,005.3	\$9,148.44	\$10,283.99
1278.8	1	320,140	1,278.8	9,037,410	1,433,726.5	\$9,153.79	\$10,290.41
1279	1	320,141	1,279.0	9,038,689	1,432,447.5	\$9,155.12	\$10,292.01
1279.3	1	320,142	1,279.3	9,039,969	1,431,168.2	\$9,157.13	\$10,294.42
1279.7	1	320,143	1,279.7	9,041,248	1,429,888.5	\$9,159.80	\$10,297.63
1281	1	320,144	1,281.0	9,042,529	1,428,607.5	\$9,168.49	\$10,308.05
1282	1	320,145	1,282.0	9,043,811	1,427,325.5	\$9,175.18	\$10,316.08
1283.8	1	320,146	1,283.8	9,045,095	1,426,041.7	\$9,187.21	\$10,330.52
1287.7	1	320,147	1,287.7	9,046,383	1,424,754.0	\$9,213.29	\$10,361.80
1289	2	320,149	2,578.0	9,048,961	1,422,176.0	\$18,443.96	\$20,744.46
1290	1	320,150	1,290.0	9,050,251	1,420,886.0	\$9,228.66	\$10,380.25
1292	2	320,152	2,584.0	9,052,835	1,418,302.0	\$18,484.07	\$20,792.59
1292.1	1	320,153	1,292.1	9,054,127	1,417,009.9	\$9,242.70	\$10,397.10
1294	1	320,154	1,294.0	9,055,421	1,415,715.9	\$9,255.41	\$10,412.34
1296	1	320,155	1,296.0	9,056,717	1,414,419.9	\$9,268.78	\$10,428.38
1297.8	1	320,156	1,297.8	9,058,015	1,413,122.1	\$9,280.81	\$10,442.82
1298	1	320,157	1,298.0	9,059,313	1,411,824.1	\$9,282.15	\$10,444.43
1299.9	1	320,158	1,299.9	9,060,613	1,410,524.2	\$9,294.85	\$10,459.67
1300	2	320,160	2,600.0	9,063,213	1,407,924.2	\$18,591.04	\$20,920.94



**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
1301	1	320,161	1,301.0	9,064,514	1,406,623.2	\$9,302.20	\$10,468.49
1302.1	1	320,162	1,302.1	9,065,816	1,405,321.1	\$9,309.56	\$10,477.32
1303.4	1	320,163	1,303.4	9,067,119	1,404,017.7	\$9,318.25	\$10,487.74
1306.8	1	320,164	1,306.8	9,068,426	1,402,710.9	\$9,340.98	\$10,515.02
1308	1	320,165	1,308.0	9,069,734	1,401,402.9	\$9,349.00	\$10,524.65
1309	1	320,166	1,309.0	9,071,043	1,400,093.9	\$9,355.69	\$10,532.67
1309.6	1	320,167	1,309.6	9,072,352	1,398,784.3	\$9,359.70	\$10,537.48
1309.8	1	320,168	1,309.8	9,073,662	1,397,474.5	\$9,361.03	\$10,539.08
1311.7	3	320,171	3,935.1	9,077,597	1,393,539.4	\$28,121.21	\$31,662.98
1312	1	320,172	1,312.0	9,078,909	1,392,227.4	\$9,375.74	\$10,556.73
1313	2	320,174	2,626.0	9,081,535	1,389,601.4	\$18,764.86	\$21,129.51
1314.2	1	320,175	1,314.2	9,082,850	1,388,287.2	\$9,390.45	\$10,574.38
1315.9	1	320,176	1,315.9	9,084,165	1,386,971.3	\$9,401.82	\$10,588.02
1316.3	1	320,177	1,316.3	9,085,482	1,385,655.0	\$9,404.49	\$10,591.23
1318	2	320,179	2,636.0	9,088,118	1,383,019.0	\$18,831.71	\$21,209.73
1320	2	320,181	2,640.0	9,090,758	1,380,379.0	\$18,858.45	\$21,241.82
1321	1	320,182	1,321.0	9,092,079	1,379,058.0	\$9,435.91	\$10,628.93
1322.4	1	320,183	1,322.4	9,093,401	1,377,735.6	\$9,445.27	\$10,640.16
1323	1	320,184	1,323.0	9,094,724	1,376,412.6	\$9,449.28	\$10,644.97
1323.5	1	320,185	1,323.5	9,096,048	1,375,089.1	\$9,452.62	\$10,648.98
1325	1	320,186	1,325.0	9,097,373	1,373,764.1	\$9,462.65	\$10,661.02
1327	1	320,187	1,327.0	9,098,700	1,372,437.1	\$9,476.02	\$10,677.06
1327.3	1	320,188	1,327.3	9,100,027	1,371,109.8	\$9,478.03	\$10,679.47
1328	1	320,189	1,328.0	9,101,355	1,369,781.8	\$9,482.71	\$10,685.08
1329	2	320,191	2,658.0	9,104,013	1,367,123.8	\$18,978.79	\$21,386.21
1330	1	320,192	1,330.0	9,105,343	1,365,793.8	\$9,496.08	\$10,701.13
1330.6	1	320,193	1,330.6	9,106,674	1,364,463.2	\$9,500.09	\$10,705.94
1331.8	1	320,194	1,331.8	9,108,005	1,363,131.4	\$9,508.11	\$10,715.57
1333.3	1	320,195	1,333.3	9,109,339	1,361,798.1	\$9,518.14	\$10,727.60
1334	2	320,197	2,668.0	9,112,007	1,359,130.1	\$19,045.64	\$21,466.43
1334.1	1	320,198	1,334.1	9,113,341	1,357,796.0	\$9,523.49	\$10,734.02
1335	1	320,199	1,335.0	9,114,676	1,356,461.0	\$9,529.51	\$10,741.24
1338	2	320,201	2,676.0	9,117,352	1,353,785.0	\$19,099.13	\$21,530.60
1339	1	320,202	1,339.0	9,118,691	1,352,446.0	\$9,556.25	\$10,773.32
1339.7	1	320,203	1,339.7	9,120,030	1,351,106.3	\$9,560.93	\$10,778.94
1340	2	320,205	2,680.0	9,122,710	1,348,426.3	\$19,125.87	\$21,562.69
1340.1	1	320,206	1,340.1	9,124,051	1,347,086.2	\$9,563.60	\$10,782.15
1342	1	320,207	1,342.0	9,125,393	1,345,744.2	\$9,576.30	\$10,797.39
1348.6	1	320,208	1,348.6	9,126,741	1,344,395.6	\$9,620.43	\$10,850.33
1349.6	1	320,209	1,349.6	9,128,091	1,343,046.0	\$9,627.11	\$10,858.36
1350	1	320,210	1,350.0	9,129,441	1,341,696.0	\$9,629.79	\$10,861.57
1351	1	320,211	1,351.0	9,130,792	1,340,345.0	\$9,636.47	\$10,869.59
1352	1	320,212	1,352.0	9,132,144	1,338,993.0	\$9,643.16	\$10,877.61
1353.7	1	320,213	1,353.7	9,133,497	1,337,639.3	\$9,654.52	\$10,891.25
1355	3	320,216	4,065.0	9,137,562	1,333,574.3	\$28,989.64	\$32,705.02
1357	1	320,217	1,357.0	9,138,919	1,332,217.3	\$9,676.59	\$10,917.72

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
1357.3	1	320,218	1,357.3	9,140,277	1,330,860.0	\$9,678.59	\$10,920.12
1359	1	320,219	1,359.0	9,141,636	1,329,501.0	\$9,689.96	\$10,933.76
1359.1	1	320,220	1,359.1	9,142,995	1,328,141.9	\$9,690.62	\$10,934.56
1361	2	320,222	2,722.0	9,145,717	1,325,419.9	\$19,406.65	\$21,899.61
1366	1	320,223	1,366.0	9,147,083	1,324,053.9	\$9,736.75	\$10,989.92
1371.3	1	320,224	1,371.3	9,148,454	1,322,682.6	\$9,772.19	\$11,032.43
1372.3	1	320,225	1,372.3	9,149,826	1,321,310.3	\$9,778.87	\$11,040.45
1376.4	1	320,226	1,376.4	9,151,203	1,319,933.9	\$9,806.28	\$11,073.34
1381.7	1	320,227	1,381.7	9,152,585	1,318,552.2	\$9,841.71	\$11,115.86
1382	1	320,228	1,382.0	9,153,967	1,317,170.2	\$9,843.72	\$11,118.27
1383.6	1	320,229	1,383.6	9,155,350	1,315,786.6	\$9,854.42	\$11,131.10
1386.6	1	320,230	1,386.6	9,156,737	1,314,400.0	\$9,874.47	\$11,155.17
1392	1	320,231	1,392.0	9,158,129	1,313,008.0	\$9,910.57	\$11,198.48
1395	1	320,232	1,395.0	9,159,524	1,311,613.0	\$9,930.63	\$11,222.55
1397	1	320,233	1,397.0	9,160,921	1,310,216.0	\$9,944.00	\$11,238.59
1399.4	1	320,234	1,399.4	9,162,320	1,308,816.6	\$9,960.05	\$11,257.85
1403.9	1	320,235	1,403.9	9,163,724	1,307,412.7	\$9,990.13	\$11,293.95
1404.2	1	320,236	1,404.2	9,165,128	1,306,008.5	\$9,992.14	\$11,296.35
1406	1	320,237	1,406.0	9,166,534	1,304,602.5	\$10,004.17	\$11,310.79
1406.6	1	320,238	1,406.6	9,167,941	1,303,195.9	\$10,008.18	\$11,315.60
1408	1	320,239	1,408.0	9,169,349	1,301,787.9	\$10,017.54	\$11,326.84
1409	1	320,240	1,409.0	9,170,758	1,300,378.9	\$10,024.23	\$11,334.86
1412	1	320,241	1,412.0	9,172,170	1,298,966.9	\$10,044.28	\$11,358.92
1415	1	320,242	1,415.0	9,173,585	1,297,551.9	\$10,064.34	\$11,382.99
1417	1	320,243	1,417.0	9,175,002	1,296,134.9	\$10,077.71	\$11,399.03
1418.8	1	320,244	1,418.8	9,176,421	1,294,716.1	\$10,089.74	\$11,413.47
1420	1	320,245	1,420.0	9,177,841	1,293,296.1	\$10,097.77	\$11,423.10
1423	1	320,246	1,423.0	9,179,264	1,291,873.1	\$10,117.82	\$11,447.16
1426	1	320,247	1,426.0	9,180,690	1,290,447.1	\$10,137.88	\$11,471.23
1428	1	320,248	1,428.0	9,182,118	1,289,019.1	\$10,151.25	\$11,487.27
1432.4	1	320,249	1,432.4	9,183,550	1,287,586.7	\$10,180.66	\$11,522.57
1433.1	1	320,250	1,433.1	9,184,983	1,286,153.6	\$10,185.34	\$11,528.18
1434	1	320,251	1,434.0	9,186,417	1,284,719.6	\$10,191.36	\$11,535.40
1435.2	1	320,252	1,435.2	9,187,852	1,283,284.4	\$10,199.38	\$11,545.03
1437.1	1	320,253	1,437.1	9,189,289	1,281,847.3	\$10,212.09	\$11,560.27
1437.5	1	320,254	1,437.5	9,190,727	1,280,409.8	\$10,214.76	\$11,563.48
1437.8	1	320,255	1,437.8	9,192,165	1,278,972.0	\$10,216.77	\$11,565.89
1441.5	1	320,256	1,441.5	9,193,606	1,277,530.5	\$10,241.50	\$11,595.57
1442.6	2	320,258	2,885.2	9,196,491	1,274,645.3	\$20,497.71	\$23,208.79
1444.4	1	320,259	1,444.4	9,197,936	1,273,200.9	\$10,260.89	\$11,618.83
1445	1	320,260	1,445.0	9,199,381	1,271,755.9	\$10,264.90	\$11,623.65
1445.8	1	320,261	1,445.8	9,200,827	1,270,310.1	\$10,270.25	\$11,630.06
1446	1	320,262	1,446.0	9,202,273	1,268,864.1	\$10,271.59	\$11,631.67
1448	1	320,263	1,448.0	9,203,721	1,267,416.1	\$10,284.96	\$11,647.71
1449	1	320,264	1,449.0	9,205,170	1,265,967.1	\$10,291.64	\$11,655.73
1451	2	320,266	2,902.0	9,208,072	1,263,065.1	\$20,610.03	\$23,343.55

**RATE SCHEDULE N (Commerical/Industrial)****Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
1452	1	320,267	1,452.0	9,209,524	1,261,613.1	\$10,311.70	\$11,679.80
1453	1	320,268	1,453.0	9,210,977	1,260,160.1	\$10,318.38	\$11,687.82
1454	1	320,269	1,454.0	9,212,431	1,258,706.1	\$10,325.07	\$11,695.84
1454.7	1	320,270	1,454.7	9,213,885	1,257,251.4	\$10,329.75	\$11,701.46
1456.3	1	320,271	1,456.3	9,215,342	1,255,795.1	\$10,340.45	\$11,714.29
1458.2	1	320,272	1,458.2	9,216,800	1,254,336.9	\$10,353.15	\$11,729.53
1464	1	320,273	1,464.0	9,218,264	1,252,872.9	\$10,391.92	\$11,776.06
1465.4	1	320,274	1,465.4	9,219,729	1,251,407.5	\$10,401.28	\$11,787.29
1467.8	1	320,275	1,467.8	9,221,197	1,249,939.7	\$10,417.33	\$11,806.54
1470	1	320,276	1,470.0	9,222,667	1,248,469.7	\$10,432.04	\$11,824.19
1472.2	1	320,277	1,472.2	9,224,139	1,246,997.5	\$10,446.74	\$11,841.84
1477.4	1	320,278	1,477.4	9,225,617	1,245,520.1	\$10,481.51	\$11,883.56
1479.1	1	320,279	1,479.1	9,227,096	1,244,041.0	\$10,492.87	\$11,897.19
1481	1	320,280	1,481.0	9,228,577	1,242,560.0	\$10,505.57	\$11,912.43
1485	1	320,281	1,485.0	9,230,062	1,241,075.0	\$10,532.32	\$11,944.52
1489	1	320,282	1,489.0	9,231,551	1,239,586.0	\$10,559.06	\$11,976.61
1490.5	1	320,283	1,490.5	9,233,041	1,238,095.5	\$10,569.09	\$11,988.64
1491	1	320,284	1,491.0	9,234,532	1,236,604.5	\$10,572.43	\$11,992.65
1491.3	1	320,285	1,491.3	9,236,024	1,235,113.2	\$10,574.43	\$11,995.06
1491.8	2	320,287	2,983.6	9,239,007	1,232,129.6	\$21,155.55	\$23,998.14
1492	1	320,288	1,492.0	9,240,499	1,230,637.6	\$10,579.11	\$12,000.67
1493	1	320,289	1,493.0	9,241,992	1,229,144.6	\$10,585.80	\$12,008.70
1495	1	320,290	1,495.0	9,243,487	1,227,649.6	\$10,599.17	\$12,024.74
1498	1	320,291	1,498.0	9,244,985	1,226,151.6	\$10,619.23	\$12,048.81
1499.4	1	320,292	1,499.4	9,246,485	1,224,652.2	\$10,628.59	\$12,060.04
1499.8	1	320,293	1,499.8	9,247,984	1,223,152.4	\$10,631.26	\$12,063.25
1501	1	320,294	1,501.0	9,249,485	1,221,651.4	\$10,639.28	\$12,072.87
1501.9	1	320,295	1,501.9	9,250,987	1,220,149.5	\$10,645.30	\$12,080.09
1505	1	320,296	1,505.0	9,252,492	1,218,644.5	\$10,666.02	\$12,104.96
1505.2	1	320,297	1,505.2	9,253,997	1,217,139.3	\$10,667.36	\$12,106.56
1506	1	320,298	1,506.0	9,255,503	1,215,633.3	\$10,672.71	\$12,112.98
1510	1	320,299	1,510.0	9,257,013	1,214,123.3	\$10,699.45	\$12,145.07
1510.5	1	320,300	1,510.5	9,258,524	1,212,612.8	\$10,702.79	\$12,149.08
1512	1	320,301	1,512.0	9,260,036	1,211,100.8	\$10,712.82	\$12,161.11
1512.2	1	320,302	1,512.2	9,261,548	1,209,588.6	\$10,714.16	\$12,162.72
1515	1	320,303	1,515.0	9,263,063	1,208,073.6	\$10,732.88	\$12,185.18
1516	1	320,304	1,516.0	9,264,579	1,206,557.6	\$10,739.56	\$12,193.20
1516.5	1	320,305	1,516.5	9,266,096	1,205,041.1	\$10,742.91	\$12,197.21
1520.2	1	320,306	1,520.2	9,267,616	1,203,520.9	\$10,767.64	\$12,226.89
1521	1	320,307	1,521.0	9,269,137	1,201,999.9	\$10,772.99	\$12,233.31
1522	1	320,308	1,522.0	9,270,659	1,200,477.9	\$10,779.68	\$12,241.33
1524	1	320,309	1,524.0	9,272,183	1,198,953.9	\$10,793.05	\$12,257.38
1524.1	1	320,310	1,524.1	9,273,707	1,197,429.8	\$10,793.72	\$12,258.18
1526	1	320,311	1,526.0	9,275,233	1,195,903.8	\$10,806.42	\$12,273.42
1528.2	1	320,312	1,528.2	9,276,761	1,194,375.6	\$10,821.13	\$12,291.07
1534.6	1	320,313	1,534.6	9,278,296	1,192,841.0	\$10,863.91	\$12,342.41

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
1539	1	320,314	1,539.0	9,279,835	1,191,302.0	\$10,893.33	\$12,377.70
1540	1	320,315	1,540.0	9,281,375	1,189,762.0	\$10,900.01	\$12,385.73
1543	1	320,316	1,543.0	9,282,918	1,188,219.0	\$10,920.07	\$12,409.79
1544.8	1	320,317	1,544.8	9,284,463	1,186,674.2	\$10,932.10	\$12,424.23
1547	1	320,318	1,547.0	9,286,010	1,185,127.2	\$10,946.81	\$12,441.88
1555	2	320,320	3,110.0	9,289,120	1,182,017.2	\$22,000.59	\$25,012.11
1556.2	1	320,321	1,556.2	9,290,676	1,180,461.0	\$11,008.32	\$12,515.68
1560	1	320,322	1,560.0	9,292,236	1,178,901.0	\$11,033.72	\$12,546.16
1561	2	320,324	3,122.0	9,295,358	1,175,779.0	\$22,080.81	\$25,108.37
1562	1	320,325	1,562.0	9,296,920	1,174,217.0	\$11,047.09	\$12,562.21
1563	1	320,326	1,563.0	9,298,483	1,172,654.0	\$11,053.78	\$12,570.23
1567	1	320,327	1,567.0	9,300,050	1,171,087.0	\$11,080.52	\$12,602.32
1568.7	1	320,328	1,568.7	9,301,618	1,169,518.3	\$11,091.88	\$12,615.95
1569	1	320,329	1,569.0	9,303,187	1,167,949.3	\$11,093.89	\$12,618.36
1571	1	320,330	1,571.0	9,304,758	1,166,378.3	\$11,107.26	\$12,634.40
1571.6	1	320,331	1,571.6	9,306,330	1,164,806.7	\$11,111.27	\$12,639.22
1574.2	1	320,332	1,574.2	9,307,904	1,163,232.5	\$11,128.65	\$12,660.07
1574.5	1	320,333	1,574.5	9,309,479	1,161,658.0	\$11,130.66	\$12,662.48
1574.7	1	320,334	1,574.7	9,311,053	1,160,083.3	\$11,132.00	\$12,664.09
1576.4	1	320,335	1,576.4	9,312,630	1,158,506.9	\$11,143.36	\$12,677.72
1580.8	1	320,336	1,580.8	9,314,211	1,156,926.1	\$11,172.78	\$12,713.02
1586	1	320,337	1,586.0	9,315,797	1,155,340.1	\$11,207.54	\$12,754.73
1588.4	1	320,338	1,588.4	9,317,385	1,153,751.7	\$11,223.59	\$12,773.99
1588.5	1	320,339	1,588.5	9,318,974	1,152,163.2	\$11,224.26	\$12,774.79
1591	1	320,340	1,591.0	9,320,565	1,150,572.2	\$11,240.97	\$12,794.84
1592.8	2	320,342	3,185.6	9,323,750	1,147,386.6	\$22,506.01	\$25,618.56
1594.5	1	320,343	1,594.5	9,325,345	1,145,792.1	\$11,264.37	\$12,822.92
1595	1	320,344	1,595.0	9,326,940	1,144,197.1	\$11,267.71	\$12,826.93
1595.8	1	320,345	1,595.8	9,328,535	1,142,601.3	\$11,273.06	\$12,833.35
1597	1	320,346	1,597.0	9,330,132	1,141,004.3	\$11,281.08	\$12,842.97
1602	1	320,347	1,602.0	9,331,734	1,139,402.3	\$11,314.51	\$12,883.08
1603	1	320,348	1,603.0	9,333,337	1,137,799.3	\$11,321.19	\$12,891.11
1604.7	1	320,349	1,604.7	9,334,942	1,136,194.6	\$11,332.56	\$12,904.74
1606.9	1	320,350	1,606.9	9,336,549	1,134,587.7	\$11,347.27	\$12,922.39
1607.1	1	320,351	1,607.1	9,338,156	1,132,980.6	\$11,348.60	\$12,924.00
1609.8	1	320,352	1,609.8	9,339,766	1,131,370.8	\$11,366.65	\$12,945.65
1611.9	1	320,353	1,611.9	9,341,378	1,129,758.9	\$11,380.69	\$12,962.50
1614	2	320,355	3,228.0	9,344,606	1,126,530.9	\$22,789.47	\$25,958.69
1615	1	320,356	1,615.0	9,346,221	1,124,915.9	\$11,401.42	\$12,987.37
1618	1	320,357	1,618.0	9,347,839	1,123,297.9	\$11,421.47	\$13,011.43
1621.4	1	320,358	1,621.4	9,349,460	1,121,676.5	\$11,444.21	\$13,038.71
1625.3	1	320,359	1,625.3	9,351,086	1,120,051.2	\$11,470.28	\$13,069.99
1625.4	1	320,360	1,625.4	9,352,711	1,118,425.8	\$11,470.95	\$13,070.80
1630.5	1	320,361	1,630.5	9,354,341	1,116,795.3	\$11,505.04	\$13,111.71
1630.9	1	320,362	1,630.9	9,355,972	1,115,164.4	\$11,507.72	\$13,114.92
1633	1	320,363	1,633.0	9,357,605	1,113,531.4	\$11,521.76	\$13,131.76

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
1635	1	320,364	1,635.0	9,359,240	1,111,896.4	\$11,535.13	\$13,147.81
1636.8	1	320,365	1,636.8	9,360,877	1,110,259.6	\$11,547.16	\$13,162.25
1641	1	320,366	1,641.0	9,362,518	1,108,618.6	\$11,575.24	\$13,195.94
1641.6	1	320,367	1,641.6	9,364,160	1,106,977.0	\$11,579.25	\$13,200.75
1642.7	1	320,368	1,642.7	9,365,802	1,105,334.3	\$11,586.60	\$13,209.58
1648.8	1	320,369	1,648.8	9,367,451	1,103,685.5	\$11,627.39	\$13,258.51
1650	1	320,370	1,650.0	9,369,101	1,102,035.5	\$11,635.41	\$13,268.14
1670	1	320,371	1,670.0	9,370,771	1,100,365.5	\$11,769.12	\$13,428.57
1671	1	320,372	1,671.0	9,372,442	1,098,694.5	\$11,775.80	\$13,436.59
1671.8	1	320,373	1,671.8	9,374,114	1,097,022.7	\$11,781.15	\$13,443.01
1672	1	320,374	1,672.0	9,375,786	1,095,350.7	\$11,782.49	\$13,444.62
1672.2	1	320,375	1,672.2	9,377,458	1,093,678.5	\$11,783.82	\$13,446.22
1678	1	320,376	1,678.0	9,379,136	1,092,000.5	\$11,822.60	\$13,492.75
1681	1	320,377	1,681.0	9,380,817	1,090,319.5	\$11,842.65	\$13,516.81
1683	1	320,378	1,683.0	9,382,500	1,088,636.5	\$11,856.03	\$13,532.86
1686.4	1	320,379	1,686.4	9,384,187	1,086,950.1	\$11,878.76	\$13,560.13
1686.7	1	320,380	1,686.7	9,385,873	1,085,263.4	\$11,880.76	\$13,562.54
1690	1	320,381	1,690.0	9,387,563	1,083,573.4	\$11,902.82	\$13,589.01
1694.6	1	320,382	1,694.6	9,389,258	1,081,878.8	\$11,933.58	\$13,625.91
1696	1	320,383	1,696.0	9,390,954	1,080,182.8	\$11,942.94	\$13,637.14
1697	1	320,384	1,697.0	9,392,651	1,078,485.8	\$11,949.62	\$13,645.16
1700	1	320,385	1,700.0	9,394,351	1,076,785.8	\$11,969.68	\$13,669.23
1701.4	1	320,386	1,701.4	9,396,052	1,075,084.4	\$11,979.04	\$13,680.46
1707	1	320,387	1,707.0	9,397,759	1,073,377.4	\$12,016.48	\$13,725.38
1708	1	320,388	1,708.0	9,399,467	1,071,669.4	\$12,023.16	\$13,733.41
1710	1	320,389	1,710.0	9,401,177	1,069,959.4	\$12,036.53	\$13,749.45
1713	1	320,390	1,713.0	9,402,890	1,068,246.4	\$12,056.59	\$13,773.51
1718	1	320,391	1,718.0	9,404,608	1,066,528.4	\$12,090.01	\$13,813.62
1723	1	320,392	1,723.0	9,406,331	1,064,805.4	\$12,123.44	\$13,853.73
1725	1	320,393	1,725.0	9,408,056	1,063,080.4	\$12,136.81	\$13,869.78
1729	1	320,394	1,729.0	9,409,785	1,061,351.4	\$12,163.55	\$13,901.87
1732.4	1	320,395	1,732.4	9,411,518	1,059,619.0	\$12,186.28	\$13,929.14
1732.6	1	320,396	1,732.6	9,413,250	1,057,886.4	\$12,187.62	\$13,930.74
1733.8	1	320,397	1,733.8	9,414,984	1,056,152.6	\$12,195.64	\$13,940.37
1735.6	1	320,398	1,735.6	9,416,720	1,054,417.0	\$12,207.68	\$13,954.81
1738	3	320,401	5,214.0	9,421,934	1,049,203.0	\$36,671.17	\$41,922.19
1739	1	320,402	1,739.0	9,423,673	1,047,464.0	\$12,230.41	\$13,982.08
1744	1	320,403	1,744.0	9,425,417	1,045,720.0	\$12,263.84	\$14,022.19
1745.5	1	320,404	1,745.5	9,427,162	1,043,974.5	\$12,273.86	\$14,034.23
1747	1	320,405	1,747.0	9,428,909	1,042,227.5	\$12,283.89	\$14,046.26
1754	1	320,406	1,754.0	9,430,663	1,040,473.5	\$12,330.69	\$14,102.41
1755.6	1	320,407	1,755.6	9,432,419	1,038,717.9	\$12,341.39	\$14,115.25
1755.9	1	320,408	1,755.9	9,434,175	1,036,962.0	\$12,343.39	\$14,117.65
1758.7	1	320,409	1,758.7	9,435,933	1,035,203.3	\$12,362.11	\$14,140.12
1765.8	1	320,410	1,765.8	9,437,699	1,033,437.5	\$12,409.58	\$14,197.07
1770	1	320,411	1,770.0	9,439,469	1,031,667.5	\$12,437.66	\$14,230.76

## RATE SCHEDULE N (Commerical/Industrial)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
1770.4	1	320,412	1,770.4	9,441,240	1,029,897.1	\$12,440.33	\$14,233.97
1773	1	320,413	1,773.0	9,443,013	1,028,124.1	\$12,457.71	\$14,254.83
1774	1	320,414	1,774.0	9,444,787	1,026,350.1	\$12,464.40	\$14,262.85
1778.1	1	320,415	1,778.1	9,446,565	1,024,572.0	\$12,491.81	\$14,295.74
1782	1	320,416	1,782.0	9,448,347	1,022,790.0	\$12,517.88	\$14,327.03
1783	1	320,417	1,783.0	9,450,130	1,021,007.0	\$12,524.57	\$14,335.05
1785	1	320,418	1,785.0	9,451,915	1,019,222.0	\$12,537.94	\$14,351.09
1786	1	320,419	1,786.0	9,453,701	1,017,436.0	\$12,544.62	\$14,359.11
1792.3	1	320,420	1,792.3	9,455,493	1,015,643.7	\$12,586.74	\$14,409.65
1792.4	1	320,421	1,792.4	9,457,285	1,013,851.3	\$12,587.41	\$14,410.45
1793	1	320,422	1,793.0	9,459,078	1,012,058.3	\$12,591.42	\$14,415.27
1798.4	1	320,423	1,798.4	9,460,877	1,010,259.9	\$12,627.52	\$14,458.58
1799	1	320,424	1,799.0	9,462,676	1,008,460.9	\$12,631.53	\$14,463.40
1801.3	1	320,425	1,801.3	9,464,477	1,006,659.6	\$12,646.91	\$14,481.85
1804.7	1	320,426	1,804.7	9,466,282	1,004,854.9	\$12,669.64	\$14,509.12
1805	1	320,427	1,805.0	9,468,087	1,003,049.9	\$12,671.64	\$14,511.53
1806	1	320,428	1,806.0	9,469,893	1,001,243.9	\$12,678.33	\$14,519.55
1813.8	1	320,429	1,813.8	9,471,707	999,430.1	\$12,730.48	\$14,582.12
1822	1	320,430	1,822.0	9,473,529	997,608.1	\$12,785.30	\$14,647.90
1839	1	320,431	1,839.0	9,475,368	995,769.1	\$12,898.95	\$14,784.27
1840	2	320,433	3,680.0	9,479,048	992,089.1	\$25,811.27	\$29,584.59
1850	2	320,435	3,700.0	9,482,748	988,389.1	\$25,944.98	\$29,745.03
1854	1	320,436	1,854.0	9,484,602	986,535.1	\$12,999.23	\$14,904.60
1856	1	320,437	1,856.0	9,486,458	984,679.1	\$13,012.60	\$14,920.65
1859	1	320,438	1,859.0	9,488,317	982,820.1	\$13,032.66	\$14,944.71
1859.9	1	320,439	1,859.9	9,490,177	980,960.2	\$13,038.67	\$14,951.93
1866	1	320,440	1,866.0	9,492,043	979,094.2	\$13,079.45	\$15,000.87
1871	1	320,441	1,871.0	9,493,914	977,223.2	\$13,112.88	\$15,040.97
1873.2	1	320,442	1,873.2	9,495,787	975,350.0	\$13,127.59	\$15,058.62
1876.3	1	320,443	1,876.3	9,497,663	973,473.7	\$13,148.31	\$15,083.49
1876.8	1	320,444	1,876.8	9,499,540	971,596.9	\$13,151.66	\$15,087.50
1883	1	320,445	1,883.0	9,501,423	969,713.9	\$13,193.11	\$15,137.24
1888	1	320,446	1,888.0	9,503,311	967,825.9	\$13,226.53	\$15,177.35
1892	1	320,447	1,892.0	9,505,203	965,933.9	\$13,253.27	\$15,209.43
1895	1	320,448	1,895.0	9,507,098	964,038.9	\$13,273.33	\$15,233.50
1898	1	320,449	1,898.0	9,508,996	962,140.9	\$13,293.39	\$15,257.57
1898.8	1	320,450	1,898.8	9,510,895	960,242.1	\$13,298.74	\$15,263.98
1919.8	1	320,451	1,919.8	9,512,814	958,322.3	\$13,439.13	\$15,432.44
1925.4	1	320,452	1,925.4	9,514,740	956,396.9	\$13,476.57	\$15,477.37
1926	1	320,453	1,926.0	9,516,666	954,470.9	\$13,480.58	\$15,482.18
1927.2	1	320,454	1,927.2	9,518,593	952,543.7	\$13,488.60	\$15,491.81
1932	1	320,455	1,932.0	9,520,525	950,611.7	\$13,520.69	\$15,530.31
1933.7	1	320,456	1,933.7	9,522,459	948,678.0	\$13,532.06	\$15,543.95
1934.7	1	320,457	1,934.7	9,524,393	946,743.3	\$13,538.74	\$15,551.97
1943.1	1	320,458	1,943.1	9,526,337	944,800.2	\$13,594.90	\$15,619.35
1946.4	1	320,459	1,946.4	9,528,283	942,853.8	\$13,616.96	\$15,645.83

## RATE SCHEDULE N (Commerical/Industrial)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
1949.3	1	320,460	1,949.3	9,530,232	940,904.5	\$13,636.35	\$15,669.09
1950	1	320,461	1,950.0	9,532,182	938,954.5	\$13,641.03	\$15,674.71
1952	1	320,462	1,952.0	9,534,134	937,002.5	\$13,654.40	\$15,690.75
1960.9	1	320,463	1,960.9	9,536,095	935,041.6	\$13,713.90	\$15,762.14
1961.3	1	320,464	1,961.3	9,538,056	933,080.3	\$13,716.57	\$15,765.35
1962	1	320,465	1,962.0	9,540,018	931,118.3	\$13,721.25	\$15,770.97
1963	1	320,466	1,963.0	9,541,981	929,155.3	\$13,727.94	\$15,778.99
1964.8	1	320,467	1,964.8	9,543,946	927,190.5	\$13,739.97	\$15,793.43
1969	1	320,468	1,969.0	9,545,915	925,221.5	\$13,768.05	\$15,827.12
1976	1	320,469	1,976.0	9,547,891	923,245.5	\$13,814.85	\$15,883.27
1976.8	1	320,470	1,976.8	9,549,868	921,268.7	\$13,820.20	\$15,889.69
1980	1	320,471	1,980.0	9,551,848	919,288.7	\$13,841.59	\$15,915.36
1991.5	1	320,472	1,991.5	9,553,840	917,297.2	\$13,918.47	\$16,007.61
1995.5	1	320,473	1,995.5	9,555,835	915,301.7	\$13,945.21	\$16,039.70
2000	1	320,474	2,000.0	9,557,835	913,301.7	\$13,975.30	\$16,075.80
2000.8	1	320,475	2,000.8	9,559,836	911,300.9	\$13,980.65	\$16,082.22
2000.9	1	320,476	2,000.9	9,561,837	909,300.0	\$13,981.31	\$16,083.02
2006	1	320,477	2,006.0	9,563,843	907,294.0	\$14,015.41	\$16,123.93
2011.5	1	320,478	2,011.5	9,565,854	905,282.5	\$14,052.18	\$16,168.05
2022.5	1	320,479	2,022.5	9,567,877	903,260.0	\$14,125.72	\$16,256.29
2029	1	320,480	2,029.0	9,569,906	901,231.0	\$14,169.17	\$16,308.44
2042	2	320,482	4,084.0	9,573,990	897,147.0	\$28,512.17	\$32,825.44
2043.7	1	320,483	2,043.7	9,576,033	895,103.3	\$14,267.45	\$16,426.36
2045	1	320,484	2,045.0	9,578,078	893,058.3	\$14,276.14	\$16,436.79
2053	1	320,485	2,053.0	9,580,131	891,005.3	\$14,329.62	\$16,500.96
2055	3	320,488	6,165.0	9,586,296	884,840.3	\$43,028.98	\$49,551.01
2063	1	320,489	2,063.0	9,588,359	882,777.3	\$14,396.48	\$16,581.18
2065.6	1	320,490	2,065.6	9,590,425	880,711.7	\$14,413.86	\$16,602.04
2077	1	320,491	2,077.0	9,592,502	878,634.7	\$14,490.07	\$16,693.49
2077.2	1	320,492	2,077.2	9,594,579	876,557.5	\$14,491.41	\$16,695.09
2085.4	2	320,494	4,170.8	9,598,750	872,386.7	\$29,092.46	\$33,521.74
2089	1	320,495	2,089.0	9,600,839	870,297.7	\$14,570.30	\$16,789.75
2118	1	320,496	2,118.0	9,602,957	868,179.7	\$14,764.17	\$17,022.38
2122	1	320,497	2,122.0	9,605,079	866,057.7	\$14,790.92	\$17,054.47
2125.1	1	320,498	2,125.1	9,607,204	863,932.6	\$14,811.64	\$17,079.34
2135.9	1	320,499	2,135.9	9,609,340	861,796.7	\$14,883.84	\$17,165.98
2138	1	320,500	2,138.0	9,611,478	859,658.7	\$14,897.88	\$17,182.82
2150.5	1	320,501	2,150.5	9,613,629	857,508.2	\$14,981.45	\$17,283.10
2158.3	1	320,502	2,158.3	9,615,787	855,349.9	\$15,033.60	\$17,345.67
2164.5	1	320,503	2,164.5	9,617,951	853,185.4	\$15,075.05	\$17,395.40
2165.1	1	320,504	2,165.1	9,620,116	851,020.3	\$15,079.06	\$17,400.22
2172.7	1	320,505	2,172.7	9,622,289	848,847.6	\$15,129.87	\$17,461.18
2178	1	320,506	2,178.0	9,624,467	846,669.6	\$15,165.30	\$17,503.70
2178.7	1	320,507	2,178.7	9,626,646	844,490.9	\$15,169.98	\$17,509.31
2184	1	320,508	2,184.0	9,628,830	842,306.9	\$15,205.41	\$17,551.83
2190.9	1	320,509	2,190.9	9,631,021	840,116.0	\$15,251.54	\$17,607.18

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
2192	1	320,510	2,192.0	9,633,213	837,924.0	\$15,258.89	\$17,616.00
2193	1	320,511	2,193.0	9,635,406	835,731.0	\$15,265.58	\$17,624.03
2197.4	1	320,512	2,197.4	9,637,603	833,533.6	\$15,295.00	\$17,659.32
2198.3	1	320,513	2,198.3	9,639,801	831,335.3	\$15,301.01	\$17,666.54
2202	1	320,514	2,202.0	9,642,003	829,133.3	\$15,325.75	\$17,696.22
2215.2	1	320,515	2,215.2	9,644,219	826,918.1	\$15,414.00	\$17,802.11
2220	1	320,516	2,220.0	9,646,439	824,698.1	\$15,446.09	\$17,840.62
2222	1	320,517	2,222.0	9,648,661	822,476.1	\$15,459.46	\$17,856.66
2224	1	320,518	2,224.0	9,650,885	820,252.1	\$15,472.83	\$17,872.71
2224.4	1	320,519	2,224.4	9,653,109	818,027.7	\$15,475.50	\$17,875.91
2225.2	1	320,520	2,225.2	9,655,334	815,802.5	\$15,480.85	\$17,882.33
2230.5	1	320,521	2,230.5	9,657,565	813,572.0	\$15,516.28	\$17,924.85
2235.9	1	320,522	2,235.9	9,659,801	811,336.1	\$15,552.38	\$17,968.17
2240	1	320,523	2,240.0	9,662,041	809,096.1	\$15,579.79	\$18,001.06
2245.2	1	320,524	2,245.2	9,664,286	806,850.9	\$15,614.56	\$18,042.77
2252.2	1	320,525	2,252.2	9,666,538	804,598.7	\$15,661.36	\$18,098.92
2257.6	1	320,526	2,257.6	9,668,796	802,341.1	\$15,697.46	\$18,142.24
2270	1	320,527	2,270.0	9,671,066	800,071.1	\$15,780.36	\$18,241.71
2288	1	320,528	2,288.0	9,673,354	797,783.1	\$15,900.69	\$18,386.11
2291.8	1	320,529	2,291.8	9,675,645	795,491.3	\$15,926.10	\$18,416.59
2293.9	1	320,530	2,293.9	9,677,939	793,197.4	\$15,940.14	\$18,433.44
2296	1	320,531	2,296.0	9,680,235	790,901.4	\$15,954.18	\$18,450.28
2300	2	320,533	4,600.0	9,684,835	786,301.4	\$31,961.84	\$36,964.74
2314.7	1	320,534	2,314.7	9,687,150	783,986.7	\$16,079.19	\$18,600.29
2320	1	320,535	2,320.0	9,689,470	781,666.7	\$16,114.63	\$18,642.81
2338	1	320,536	2,338.0	9,691,808	779,328.7	\$16,234.96	\$18,787.20
2343	1	320,537	2,343.0	9,694,151	776,985.7	\$16,268.39	\$18,827.31
2357	1	320,538	2,357.0	9,696,508	774,628.7	\$16,361.99	\$18,939.62
2361	1	320,539	2,361.0	9,698,869	772,267.7	\$16,388.73	\$18,971.71
2370	2	320,541	4,740.0	9,703,609	767,527.7	\$32,897.79	\$38,087.81
2371.1	1	320,542	2,371.1	9,705,980	765,156.6	\$16,456.25	\$19,052.73
2379	1	320,543	2,379.0	9,708,359	762,777.6	\$16,509.06	\$19,116.10
2383	1	320,544	2,383.0	9,710,742	760,394.6	\$16,535.81	\$19,148.19
2384	1	320,545	2,384.0	9,713,126	758,010.6	\$16,542.49	\$19,156.21
2385.9	1	320,546	2,385.9	9,715,512	755,624.7	\$16,555.19	\$19,171.45
2405.5	1	320,547	2,405.5	9,717,918	753,219.2	\$16,686.23	\$19,328.68
2411	1	320,548	2,411.0	9,720,329	750,808.2	\$16,723.00	\$19,372.80
2414.2	1	320,549	2,414.2	9,722,743	748,394.0	\$16,744.39	\$19,398.47
2418	1	320,550	2,418.0	9,725,161	745,976.0	\$16,769.79	\$19,428.95
2421	1	320,551	2,421.0	9,727,582	743,555.0	\$16,789.85	\$19,453.02
2427.2	1	320,552	2,427.2	9,730,009	741,127.8	\$16,831.30	\$19,502.76
2428	1	320,553	2,428.0	9,732,437	738,699.8	\$16,836.65	\$19,509.17
2430	1	320,554	2,430.0	9,734,867	736,269.8	\$16,850.02	\$19,525.22
2460	1	320,555	2,460.0	9,737,327	733,809.8	\$17,050.58	\$19,765.87
2479	1	320,556	2,479.0	9,739,806	731,330.8	\$17,177.60	\$19,918.29
2489	1	320,557	2,489.0	9,742,295	728,841.8	\$17,244.46	\$19,998.51



## RATE SCHEDULE N (Commerical/Industrial)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
2490	1	320,558	2,490.0	9,744,785	726,351.8	\$17,251.14	\$20,006.53
2490.5	1	320,559	2,490.5	9,747,275	723,861.3	\$17,254.49	\$20,010.54
2504.8	1	320,560	2,504.8	9,749,780	721,356.5	\$17,350.09	\$20,125.26
2510	1	320,561	2,510.0	9,752,290	718,846.5	\$17,384.85	\$20,166.97
2524	1	320,562	2,524.0	9,754,814	716,322.5	\$17,478.45	\$20,279.28
2526.8	1	320,563	2,526.8	9,757,341	713,795.7	\$17,497.17	\$20,301.74
2540	1	320,564	2,540.0	9,759,881	711,255.7	\$17,585.41	\$20,407.63
2543	1	320,565	2,543.0	9,762,424	708,712.7	\$17,605.47	\$20,431.69
2555.5	1	320,566	2,555.5	9,764,980	706,157.2	\$17,689.04	\$20,531.97
2556.9	1	320,567	2,556.9	9,767,536	703,600.3	\$17,698.40	\$20,543.20
2570	1	320,568	2,570.0	9,770,106	701,030.3	\$17,785.98	\$20,648.28
2593	1	320,569	2,593.0	9,772,699	698,437.3	\$17,939.74	\$20,832.79
2604	1	320,570	2,604.0	9,775,303	695,833.3	\$18,013.28	\$20,921.03
2605	1	320,571	2,605.0	9,777,908	693,228.3	\$18,019.96	\$20,929.05
2615	1	320,572	2,615.0	9,780,523	690,613.3	\$18,086.82	\$21,009.27
2620.5	1	320,573	2,620.5	9,783,144	687,992.8	\$18,123.59	\$21,053.39
2623.7	1	320,574	2,623.7	9,785,768	685,369.1	\$18,144.98	\$21,079.06
2647	1	320,575	2,647.0	9,788,415	682,722.1	\$18,300.75	\$21,265.97
2664.5	2	320,577	5,329.0	9,793,744	677,393.1	\$36,835.49	\$42,812.71
2691	1	320,578	2,691.0	9,796,435	674,702.1	\$18,594.91	\$21,618.93
2700	1	320,579	2,700.0	9,799,135	672,002.1	\$18,655.08	\$21,691.13
2719	1	320,580	2,719.0	9,801,854	669,283.1	\$18,782.10	\$21,843.55
2741.8	1	320,581	2,741.8	9,804,595	666,541.3	\$18,934.53	\$22,026.45
2744.8	1	320,582	2,744.8	9,807,340	663,796.5	\$18,954.58	\$22,050.51
2760	1	320,583	2,760.0	9,810,100	661,036.5	\$19,056.20	\$22,172.44
2768.2	1	320,584	2,768.2	9,812,868	658,268.3	\$19,111.02	\$22,238.22
2787.5	1	320,585	2,787.5	9,815,656	655,480.8	\$19,240.05	\$22,393.05
2789	1	320,586	2,789.0	9,818,445	652,691.8	\$19,250.08	\$22,405.08
2812	1	320,587	2,812.0	9,821,257	649,879.8	\$19,403.84	\$22,589.58
2821	1	320,588	2,821.0	9,824,078	647,058.8	\$19,464.01	\$22,661.78
2846.7	1	320,589	2,846.7	9,826,925	644,212.1	\$19,635.83	\$22,867.94
2864	1	320,590	2,864.0	9,829,789	641,348.1	\$19,751.48	\$23,006.72
2865.7	1	320,591	2,865.7	9,832,654	638,482.4	\$19,762.85	\$23,020.36
2896.9	1	320,592	2,896.9	9,835,551	635,585.5	\$19,971.43	\$23,270.64
2909.8	1	320,593	2,909.8	9,838,461	632,675.7	\$20,057.67	\$23,374.12
2919.5	1	320,594	2,919.5	9,841,381	629,756.2	\$20,122.52	\$23,451.94
2922	1	320,595	2,922.0	9,844,303	626,834.2	\$20,139.24	\$23,471.99
2933	1	320,596	2,933.0	9,847,236	623,901.2	\$20,212.78	\$23,560.23
2935	1	320,597	2,935.0	9,850,171	620,966.2	\$20,226.15	\$23,576.28
2938	1	320,598	2,938.0	9,853,109	618,028.2	\$20,246.20	\$23,600.34
2938.2	1	320,599	2,938.2	9,856,047	615,090.0	\$20,247.54	\$23,601.95
2940	1	320,600	2,940.0	9,858,987	612,150.0	\$20,259.57	\$23,616.39
2980	2	320,602	5,960.0	9,864,947	606,190.0	\$41,053.98	\$47,874.52
2984	2	320,604	5,968.0	9,870,915	600,222.0	\$41,107.46	\$47,938.70
2991	1	320,605	2,991.0	9,873,906	597,231.0	\$20,600.53	\$24,025.50
2995.4	1	320,606	2,995.4	9,876,901	594,235.6	\$20,629.94	\$24,060.80

## RATE SCHEDULE N (Commerical/Industrial)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
3000	2	320,608	6,000.0	9,882,901	588,235.6	\$41,321.40	\$48,195.40
3009.1	1	320,609	3,009.1	9,885,910	585,226.5	\$20,721.53	\$24,170.70
3020	2	320,611	6,040.0	9,891,950	579,186.5	\$41,588.81	\$48,516.28
3021	1	320,612	3,021.0	9,894,971	576,165.5	\$20,801.09	\$24,266.16
3033	1	320,613	3,033.0	9,898,004	573,132.5	\$20,881.32	\$24,362.42
3040	1	320,614	3,040.0	9,901,044	570,092.5	\$20,928.11	\$24,418.58
3050	1	320,615	3,050.0	9,904,094	567,042.5	\$20,994.97	\$24,498.80
3060	3	320,618	9,180.0	9,913,274	557,862.5	\$63,185.46	\$73,737.04
3072	1	320,619	3,072.0	9,916,346	554,790.5	\$21,142.05	\$24,675.28
3076	1	320,620	3,076.0	9,919,422	551,714.5	\$21,168.79	\$24,707.36
3098	2	320,622	6,196.0	9,925,618	545,518.5	\$42,631.73	\$49,767.69
3108	1	320,623	3,108.0	9,928,726	542,410.5	\$21,382.72	\$24,964.07
3110	1	320,624	3,110.0	9,931,836	539,300.5	\$21,396.09	\$24,980.11
3112	1	320,625	3,112.0	9,934,948	536,188.5	\$21,409.46	\$24,996.15
3126	1	320,626	3,126.0	9,938,074	533,062.5	\$21,503.06	\$25,108.46
3128	1	320,627	3,128.0	9,941,202	529,934.5	\$21,516.43	\$25,124.50
3141	2	320,629	6,282.0	9,947,484	523,652.5	\$43,206.68	\$50,457.58
3144	1	320,630	3,144.0	9,950,628	520,508.5	\$21,623.40	\$25,252.85
3166	1	320,631	3,166.0	9,953,794	517,342.5	\$21,770.47	\$25,429.34
3170	1	320,632	3,170.0	9,956,964	514,172.5	\$21,797.22	\$25,461.42
3186.4	1	320,633	3,186.4	9,960,151	510,986.1	\$21,906.86	\$25,592.98
3226	1	320,634	3,226.0	9,963,377	507,760.1	\$22,171.60	\$25,910.65
3241	1	320,635	3,241.0	9,966,618	504,519.1	\$22,271.88	\$26,030.98
3242.8	1	320,636	3,242.8	9,969,860	501,276.3	\$22,283.91	\$26,045.42
3273	1	320,637	3,273.0	9,973,133	498,003.3	\$22,485.81	\$26,287.68
3331	1	320,638	3,331.0	9,976,464	494,672.3	\$22,873.56	\$26,752.95
3357.6	1	320,639	3,357.6	9,979,822	491,314.7	\$23,051.40	\$26,966.33
3359	1	320,640	3,359.0	9,983,181	487,955.7	\$23,060.76	\$26,977.56
3401.9	1	320,641	3,401.9	9,986,583	484,553.8	\$23,347.56	\$27,321.70
3444	1	320,642	3,444.0	9,990,027	481,109.8	\$23,629.02	\$27,659.42
3484	1	320,643	3,484.0	9,993,511	477,625.8	\$23,896.43	\$27,980.30
3488	1	320,644	3,488.0	9,996,999	474,137.8	\$23,923.17	\$28,012.39
3526.1	1	320,645	3,526.1	10,000,525	470,611.7	\$24,177.89	\$28,318.02
3528.6	1	320,646	3,528.6	10,004,054	467,083.1	\$24,194.60	\$28,338.08
3539.8	1	320,647	3,539.8	10,007,593	463,543.3	\$24,269.48	\$28,427.92
3543.7	1	320,648	3,543.7	10,011,137	459,999.6	\$24,295.55	\$28,459.21
3600	1	320,649	3,600.0	10,014,737	456,399.6	\$24,671.94	\$28,910.84
3607	1	320,650	3,607.0	10,018,344	452,792.6	\$24,718.74	\$28,966.99
3623	1	320,651	3,623.0	10,021,967	449,169.6	\$24,825.70	\$29,095.34
3630	1	320,652	3,630.0	10,025,597	445,539.6	\$24,872.50	\$29,151.50
3645	1	320,653	3,645.0	10,029,242	441,894.6	\$24,972.78	\$29,271.83
3672.4	1	320,654	3,672.4	10,032,915	438,222.2	\$25,155.96	\$29,491.63
3717	1	320,655	3,717.0	10,036,632	434,505.2	\$25,454.13	\$29,849.40
3739	1	320,656	3,739.0	10,040,371	430,766.2	\$25,601.21	\$30,025.88
3752	1	320,657	3,752.0	10,044,123	427,014.2	\$25,688.12	\$30,130.17
3761	1	320,658	3,761.0	10,047,884	423,253.2	\$25,748.29	\$30,202.37

## RATE SCHEDULE N (Commerical/Industrial)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
3761.2	1	320,659	3,761.2	10,051,645	419,492.0	\$25,749.62	\$30,203.97
3765	1	320,660	3,765.0	10,055,410	415,727.0	\$25,775.03	\$30,234.45
3783	1	320,661	3,783.0	10,059,193	411,944.0	\$25,895.37	\$30,378.85
3837	1	320,662	3,837.0	10,063,030	408,107.0	\$26,256.38	\$30,812.03
3839.5	1	320,663	3,839.5	10,066,869	404,267.5	\$26,273.09	\$30,832.09
3840	1	320,664	3,840.0	10,070,709	400,427.5	\$26,276.43	\$30,836.10
3920	1	320,665	3,920.0	10,074,629	396,507.5	\$26,811.27	\$31,477.85
3927	1	320,666	3,927.0	10,078,556	392,580.5	\$26,858.06	\$31,534.00
3949	1	320,667	3,949.0	10,082,505	388,631.5	\$27,005.14	\$31,710.48
3953	1	320,668	3,953.0	10,086,458	384,678.5	\$27,031.88	\$31,742.57
3973.2	1	320,669	3,973.2	10,090,431	380,705.3	\$27,166.93	\$31,904.61
3993	1	320,670	3,993.0	10,094,424	376,712.3	\$27,299.30	\$32,063.45
4022	1	320,671	4,022.0	10,098,446	372,690.3	\$27,493.18	\$32,296.08
4034	1	320,672	4,034.0	10,102,480	368,656.3	\$27,573.40	\$32,392.34
4035	1	320,673	4,035.0	10,106,515	364,621.3	\$27,580.09	\$32,400.37
4036	1	320,674	4,036.0	10,110,551	360,585.3	\$27,586.77	\$32,408.39
4110	1	320,675	4,110.0	10,114,661	356,475.3	\$28,081.49	\$33,002.01
4123	1	320,676	4,123.0	10,118,784	352,352.3	\$28,168.40	\$33,106.29
4159	1	320,677	4,159.0	10,122,943	348,193.3	\$28,409.08	\$33,395.08
4168.4	1	320,678	4,168.4	10,127,112	344,024.9	\$28,471.92	\$33,470.49
4191	1	320,679	4,191.0	10,131,303	339,833.9	\$28,623.01	\$33,651.78
4242	1	320,680	4,242.0	10,135,545	335,591.9	\$28,963.96	\$34,060.90
4302	1	320,681	4,302.0	10,139,847	331,289.9	\$29,365.09	\$34,542.21
4318	1	320,682	4,318.0	10,144,165	326,971.9	\$29,472.05	\$34,670.56
4325	1	320,683	4,325.0	10,148,490	322,646.9	\$29,518.85	\$34,726.72
4373.4	1	320,684	4,373.4	10,152,863	318,273.5	\$29,842.43	\$35,114.98
4399	1	320,685	4,399.0	10,157,262	313,874.5	\$30,013.57	\$35,320.34
4416	1	320,686	4,416.0	10,161,678	309,458.5	\$30,127.22	\$35,456.71
4429	1	320,687	4,429.0	10,166,107	305,029.5	\$30,214.13	\$35,561.00
4538	1	320,688	4,538.0	10,170,645	300,491.5	\$30,942.84	\$36,435.38
4569	1	320,689	4,569.0	10,175,214	295,922.5	\$31,150.09	\$36,684.06
4578	1	320,690	4,578.0	10,179,792	291,344.5	\$31,210.26	\$36,756.26
4690	1	320,691	4,690.0	10,184,482	286,654.5	\$31,959.02	\$37,654.71
4750.8	1	320,692	4,750.8	10,189,233	281,903.7	\$32,365.50	\$38,142.44
4780	1	320,693	4,780.0	10,194,013	277,123.7	\$32,560.71	\$38,376.68
4820	1	320,694	4,820.0	10,198,833	272,303.7	\$32,828.13	\$38,697.56
4867	1	320,695	4,867.0	10,203,700	267,436.7	\$33,142.34	\$39,074.59
4929	1	320,696	4,929.0	10,208,629	262,507.7	\$33,556.83	\$39,571.95
5000	1	320,697	5,000.0	10,213,629	257,507.7	\$34,031.50	\$40,141.50
5075.1	1	320,698	5,075.1	10,218,704	252,432.6	\$34,533.57	\$40,743.94
5143.7	1	320,699	5,143.7	10,223,848	247,288.9	\$34,992.19	\$41,294.25
5496	1	320,700	5,496.0	10,229,344	241,792.9	\$37,347.46	\$44,120.36
5894.2	1	320,701	5,894.2	10,235,238	235,898.7	\$40,009.58	\$47,314.68
5952.2	1	320,702	5,952.2	10,241,190	229,946.5	\$40,397.34	\$47,779.95
6030	1	320,703	6,030.0	10,247,220	223,916.5	\$40,917.46	\$48,404.06
6080	1	320,704	6,080.0	10,253,300	217,836.5	\$41,251.73	\$48,805.15

**RATE SCHEDULE N (Commerical/Industrial)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
6260	1	320,705	6,260.0	10,259,560	211,576.5	\$42,455.10	\$50,249.09
6421.6	2	320,707	12,843.2	10,272,403	198,733.3	\$87,070.92	\$103,090.87
6970	2	320,709	13,940.0	10,286,343	184,793.3	\$94,403.47	\$111,889.29
7110	1	320,710	7,110.0	10,293,453	177,683.3	\$48,137.69	\$57,067.71
7180	1	320,711	7,180.0	10,300,633	170,503.3	\$48,605.67	\$57,629.24
7200	1	320,712	7,200.0	10,307,833	163,303.3	\$48,739.38	\$57,789.68
7226.5	1	320,713	7,226.5	10,315,060	156,076.8	\$48,916.54	\$58,002.26
7560	1	320,714	7,560.0	10,322,620	148,516.8	\$51,146.12	\$60,677.56
7579	1	320,715	7,579.0	10,330,199	140,937.8	\$51,273.14	\$60,829.98
7582.1	1	320,716	7,582.1	10,337,781	133,355.7	\$51,293.87	\$60,854.85
8520	1	320,717	8,520.0	10,346,301	124,835.7	\$57,564.11	\$68,378.59
8691	1	320,718	8,691.0	10,354,992	116,144.7	\$58,707.31	\$69,750.33
9315	1	320,719	9,315.0	10,364,307	106,829.7	\$62,879.00	\$74,756.00
10203.6	2	320,721	20,407.2	10,384,714	86,422.5	\$137,639.29	\$163,768.52
10311	1	320,722	10,311.0	10,395,025	76,111.5	\$69,537.66	\$82,745.81
12200	1	320,723	12,200.0	10,407,225	63,911.5	\$82,166.38	\$97,899.18
12567.3	1	320,724	12,567.3	10,419,793	51,344.2	\$84,621.92	\$100,845.62
16395.6	2	320,726	32,791.2	10,452,584	18,553.0	\$220,431.28	\$263,111.73
18553	1	320,727	18,553.0	10,471,137	0.0	\$124,638.72	\$148,862.31

**RATE SCHEDULE NT (Commerical/Industrial - Choice)**

**Bill Frequency Analysis (2014-2015 MCFs)**

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
0	14058	14,058	-	0	8,385,310.6	\$120,195.90	\$449,856.00
0.1	2281	16,339	228.1	228	8,385,082.5	\$20,421.06	\$73,840.76
0.2	1175	17,514	235.0	463	8,384,847.5	\$10,992.55	\$38,474.44
0.3	1244	18,758	373.2	836	8,384,474.3	\$12,139.00	\$41,196.68
0.4	1286	20,044	514.4	1,351	8,383,959.9	\$13,066.69	\$43,066.08
0.5	1113	21,157	556.5	1,907	8,383,403.4	\$11,757.06	\$37,686.74
0.6	1090	22,247	654.0	2,561	8,382,749.4	\$11,953.03	\$37,313.53
0.7	1110	23,357	777.0	3,338	8,381,972.4	\$12,619.32	\$38,411.22
0.8	1080	24,437	864.0	4,202	8,381,108.4	\$12,713.16	\$37,774.94
0.9	946	25,383	851.4	5,054	8,380,257.0	\$11,516.72	\$33,440.06
1	869	26,252	869.0	5,923	8,379,388.0	\$10,929.24	\$31,041.55
1.1	756	27,008	831.6	6,754	8,378,556.4	\$9,812.49	\$27,286.38
1.2	692	27,700	830.4	7,585	8,377,726.0	\$9,260.45	\$25,233.92
1.3	621	28,321	807.3	8,392	8,376,918.7	\$8,560.39	\$22,875.96
1.4	537	28,858	751.8	9,144	8,376,166.9	\$7,618.70	\$19,981.45
1.5	610	29,468	915.0	10,059	8,375,251.9	\$8,900.02	\$22,924.72
1.6	631	30,099	1,009.6	11,068	8,374,242.3	\$9,460.51	\$23,948.72
1.7	547	30,646	929.9	11,998	8,373,312.4	\$8,421.37	\$20,964.16
1.8	539	31,185	970.2	12,968	8,372,342.2	\$8,515.25	\$20,858.11
1.9	524	31,709	995.6	13,964	8,371,346.6	\$8,489.28	\$20,472.63
2	544	32,253	1,088.0	15,052	8,370,258.6	\$9,032.36	\$21,456.45
2.1	481	32,734	1,010.1	16,062	8,369,248.5	\$8,180.02	\$19,150.58
2.2	464	33,198	1,020.8	17,083	8,368,227.7	\$8,077.76	\$18,646.40
2.3	415	33,613	954.5	18,037	8,367,273.2	\$7,391.83	\$16,831.69
2.4	404	34,017	969.6	19,007	8,366,303.6	\$7,358.59	\$16,535.88
2.5	442	34,459	1,105.0	20,112	8,365,198.6	\$8,228.71	\$18,255.71
2.6	396	34,855	1,029.6	21,142	8,364,169.0	\$7,531.79	\$16,503.14
2.7	364	35,219	982.8	22,124	8,363,186.2	\$7,069.74	\$15,305.00
2.8	382	35,601	1,069.6	23,194	8,362,116.6	\$7,573.17	\$16,203.98
2.9	363	35,964	1,052.7	24,247	8,361,063.9	\$7,342.66	\$15,533.10
3	407	36,371	1,221.0	25,468	8,359,842.9	\$8,396.57	\$17,567.34
3.1	347	36,718	1,075.7	26,543	8,358,767.2	\$7,298.48	\$15,106.68
3.2	281	36,999	899.2	27,443	8,357,868.0	\$6,023.45	\$12,337.92
3.3	320	37,319	1,056.0	28,499	8,356,812.0	\$6,988.30	\$14,169.38
3.4	315	37,634	1,071.0	29,570	8,355,741.0	\$7,005.95	\$14,065.19
3.5	323	37,957	1,130.5	30,700	8,354,610.5	\$7,313.95	\$14,542.59
3.6	300	38,257	1,080.0	31,780	8,353,530.5	\$6,913.94	\$13,618.68
3.7	335	38,592	1,239.5	33,020	8,352,291.0	\$7,855.47	\$15,332.18
3.8	310	38,902	1,178.0	34,198	8,351,113.0	\$7,394.07	\$14,303.34
3.9	305	39,207	1,189.5	35,387	8,349,923.5	\$7,397.63	\$14,186.13
4	315	39,522	1,260.0	36,647	8,348,663.5	\$7,767.02	\$14,768.46
4.1	269	39,791	1,102.9	37,750	8,347,560.6	\$6,741.11	\$12,711.89
4.2	250	40,041	1,050.0	38,800	8,346,510.6	\$6,365.64	\$11,907.05
4.3	270	40,311	1,161.0	39,961	8,345,349.6	\$6,983.61	\$12,960.08
4.4	276	40,587	1,214.4	41,175	8,344,135.2	\$7,249.95	\$13,350.78
4.5	249	40,836	1,120.5	42,296	8,343,014.7	\$6,640.98	\$12,137.38
4.6	259	41,095	1,191.4	43,487	8,341,823.3	\$7,011.98	\$12,721.20
4.7	264	41,359	1,240.8	44,728	8,340,582.5	\$7,253.65	\$13,065.02
4.8	277	41,636	1,329.6	46,058	8,339,252.9	\$7,722.38	\$13,811.44

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
4.9	259	41,895	1,269.1	47,327	8,337,983.8	\$7,324.86	\$13,010.32
5	268	42,163	1,340.0	48,667	8,336,643.8	\$7,687.31	\$13,562.14
5.1	210	42,373	1,071.0	49,738	8,335,572.8	\$6,108.20	\$10,705.19
5.2	239	42,612	1,242.8	50,981	8,334,330.0	\$7,047.96	\$12,272.46
5.3	255	42,867	1,351.5	52,332	8,332,978.5	\$7,622.47	\$13,188.93
5.4	232	43,099	1,252.8	53,585	8,331,725.7	\$7,028.38	\$12,085.67
5.5	248	43,347	1,364.0	54,949	8,330,361.7	\$7,612.96	\$13,011.44
5.6	233	43,580	1,304.8	56,254	8,329,056.9	\$7,246.32	\$12,311.16
5.7	254	43,834	1,447.8	57,702	8,327,609.1	\$8,001.70	\$13,515.26
5.8	217	44,051	1,258.6	58,960	8,326,350.5	\$6,923.48	\$11,627.25
5.9	222	44,273	1,309.8	60,270	8,325,040.7	\$7,172.40	\$11,977.77
6	227	44,500	1,362.0	61,632	8,323,678.7	\$7,425.35	\$12,332.00
6.1	217	44,717	1,323.7	62,956	8,322,355.0	\$7,185.63	\$11,869.49
6.2	196	44,913	1,215.2	64,171	8,321,139.8	\$6,569.17	\$10,793.76
6.3	213	45,126	1,341.9	65,513	8,319,797.9	\$7,224.71	\$11,809.21
6.4	194	45,320	1,241.6	66,754	8,318,556.3	\$6,658.37	\$10,827.99
6.5	189	45,509	1,228.5	67,983	8,317,327.8	\$6,562.87	\$10,619.25
6.6	226	45,735	1,491.6	69,474	8,315,836.2	\$7,938.67	\$12,782.24
6.7	210	45,945	1,407.0	70,881	8,314,429.2	\$7,461.21	\$11,955.45
6.8	201	46,146	1,366.8	72,248	8,313,062.4	\$7,222.38	\$11,517.86
6.9	169	46,315	1,166.1	73,414	8,311,896.3	\$6,140.60	\$9,747.06
7	192	46,507	1,344.0	74,758	8,310,552.3	\$7,053.62	\$11,145.02
7.1	209	46,716	1,483.9	76,242	8,309,068.4	\$7,762.32	\$12,209.59
7.2	172	46,888	1,238.4	77,481	8,307,830.0	\$6,457.39	\$10,112.09
7.3	200	47,088	1,460.0	78,941	8,306,370.0	\$7,589.13	\$11,832.66
7.4	186	47,274	1,376.4	80,317	8,304,993.6	\$7,132.79	\$11,073.58
7.5	179	47,453	1,342.5	81,660	8,303,651.1	\$6,936.43	\$10,723.44
7.6	178	47,631	1,352.8	83,012	8,302,298.3	\$6,969.36	\$10,729.77
7.7	185	47,816	1,424.5	84,437	8,300,873.8	\$7,317.93	\$11,220.56
7.8	186	48,002	1,450.8	85,888	8,299,423.0	\$7,432.38	\$11,350.43
7.9	185	48,187	1,461.5	87,349	8,297,961.5	\$7,466.92	\$11,358.24
8	220	48,407	1,760.0	89,109	8,296,201.5	\$8,968.17	\$13,588.96
8.1	179	48,586	1,449.9	90,559	8,294,751.6	\$7,368.91	\$11,123.08
8.2	177	48,763	1,451.4	92,010	8,293,300.2	\$7,357.85	\$11,064.66
8.3	183	48,946	1,518.9	93,529	8,291,781.3	\$7,680.96	\$11,507.83
8.4	170	49,116	1,428.0	94,957	8,290,353.3	\$7,203.77	\$10,753.59
8.5	156	49,272	1,326.0	96,283	8,289,027.3	\$6,673.34	\$9,926.05
8.6	177	49,449	1,522.2	97,806	8,287,505.1	\$7,642.94	\$11,328.11
8.7	163	49,612	1,418.1	99,224	8,286,087.0	\$7,104.06	\$10,492.75
8.8	129	49,741	1,135.2	100,359	8,284,951.8	\$5,674.17	\$8,352.08
8.9	173	49,914	1,539.7	101,899	8,283,412.1	\$7,679.21	\$11,265.22
9	179	50,093	1,611.0	103,510	8,281,801.1	\$8,017.62	\$11,722.53
9.1	146	50,239	1,328.6	104,838	8,280,472.5	\$6,598.31	\$9,615.72
9.2	173	50,412	1,591.6	106,430	8,278,880.9	\$7,888.20	\$11,458.34
9.3	186	50,598	1,729.8	108,160	8,277,151.1	\$8,555.86	\$12,388.59
9.4	181	50,779	1,701.4	109,861	8,275,449.7	\$8,398.75	\$12,122.91
9.5	153	50,932	1,453.5	111,314	8,273,996.2	\$7,161.10	\$10,304.47
9.6	150	51,082	1,440.0	112,754	8,272,556.2	\$7,081.09	\$10,158.24
9.7	154	51,236	1,493.8	114,248	8,271,062.4	\$7,331.93	\$10,486.43

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
9.8	172	51,408	1,685.6	115,934	8,269,376.8	\$8,258.17	\$11,776.12
9.9	149	51,557	1,475.1	117,409	8,267,901.7	\$7,213.88	\$10,256.85
10	189	51,746	1,890.0	119,299	8,266,011.7	\$9,226.60	\$13,080.69
10.1	156	51,902	1,575.6	120,875	8,264,436.1	\$7,678.43	\$10,854.81
10.2	138	52,040	1,407.6	122,282	8,263,028.5	\$6,848.02	\$9,653.68
10.3	139	52,179	1,431.7	123,714	8,261,596.8	\$6,953.62	\$9,775.36
10.4	178	52,357	1,851.2	125,565	8,259,745.6	\$8,976.31	\$12,584.32
10.5	156	52,513	1,638.0	127,203	8,258,107.6	\$7,929.70	\$11,087.00
10.6	143	52,656	1,515.8	128,719	8,256,591.8	\$7,326.47	\$10,216.29
10.7	129	52,785	1,380.3	130,099	8,255,211.5	\$6,661.14	\$9,264.10
10.8	140	52,925	1,512.0	131,611	8,253,699.5	\$7,285.52	\$10,106.15
10.9	139	53,064	1,515.1	133,126	8,252,184.4	\$7,289.45	\$10,085.69
11	139	53,203	1,529.0	134,655	8,250,655.4	\$7,345.43	\$10,137.41
11.1	147	53,350	1,631.7	136,287	8,249,023.7	\$7,827.38	\$10,775.56
11.2	140	53,490	1,568.0	137,855	8,247,455.7	\$7,511.02	\$10,314.53
11.3	152	53,642	1,717.6	139,573	8,245,738.1	\$8,216.03	\$11,255.19
11.4	140	53,782	1,596.0	141,169	8,244,142.1	\$7,623.77	\$10,418.72
11.5	134	53,916	1,541.0	142,710	8,242,601.1	\$7,351.00	\$10,022.06
11.6	112	54,028	1,299.2	144,009	8,241,301.9	\$6,189.22	\$8,418.32
11.7	118	54,146	1,380.6	145,389	8,239,921.3	\$6,568.30	\$8,913.21
11.8	137	54,283	1,616.6	147,006	8,238,304.7	\$7,681.07	\$10,399.37
11.9	112	54,395	1,332.8	148,339	8,236,971.9	\$6,324.52	\$8,543.35
12	166	54,561	1,992.0	150,331	8,234,979.9	\$9,440.69	\$12,724.23
12.1	131	54,692	1,585.1	151,916	8,233,394.8	\$7,502.93	\$10,090.16
12.2	133	54,825	1,622.6	153,538	8,231,772.2	\$7,671.04	\$10,293.69
12.3	137	54,962	1,685.1	155,224	8,230,087.1	\$7,956.91	\$10,654.26
12.4	137	55,099	1,698.8	156,922	8,228,388.3	\$8,012.08	\$10,705.23
12.5	115	55,214	1,437.5	158,360	8,226,950.8	\$6,771.78	\$9,028.94
12.6	132	55,346	1,663.2	160,023	8,225,287.6	\$7,825.97	\$10,412.77
12.7	154	55,500	1,955.8	161,979	8,223,331.8	\$9,192.32	\$12,205.53
12.8	149	55,649	1,907.2	163,886	8,221,424.6	\$8,953.86	\$11,864.69
12.9	132	55,781	1,702.8	165,589	8,219,721.8	\$7,985.44	\$10,560.12
13	129	55,910	1,677.0	167,266	8,218,044.8	\$7,855.89	\$10,368.12
13.1	149	56,059	1,951.9	169,218	8,216,092.9	\$9,133.86	\$12,031.02
13.2	131	56,190	1,729.2	170,947	8,214,363.7	\$8,083.19	\$10,626.35
13.3	130	56,320	1,729.0	172,676	8,212,634.7	\$8,073.84	\$10,593.61
13.4	120	56,440	1,608.0	174,284	8,211,026.7	\$7,501.09	\$9,823.37
13.5	108	56,548	1,458.0	175,742	8,209,568.7	\$6,794.47	\$8,881.22
13.6	126	56,674	1,713.6	177,456	8,207,855.1	\$7,977.62	\$10,408.31
13.7	115	56,789	1,575.5	179,031	8,206,279.6	\$7,327.47	\$9,542.44
13.8	120	56,909	1,656.0	180,687	8,204,623.6	\$7,694.38	\$10,001.98
13.9	122	57,031	1,695.8	182,383	8,202,927.8	\$7,871.75	\$10,214.07
14	132	57,163	1,848.0	184,231	8,201,079.8	\$8,570.13	\$11,100.41
14.1	133	57,296	1,875.3	186,106	8,199,204.5	\$8,688.61	\$11,233.99
14.2	111	57,407	1,576.2	187,682	8,197,628.3	\$7,296.09	\$9,417.04
14.3	139	57,546	1,987.7	189,670	8,195,640.6	\$9,192.52	\$11,844.23
14.4	108	57,654	1,555.2	191,225	8,194,085.4	\$7,185.88	\$9,242.90
14.5	113	57,767	1,638.5	192,864	8,192,446.9	\$7,564.06	\$9,712.86
14.6	125	57,892	1,825.0	194,689	8,190,621.9	\$8,417.66	\$10,790.83

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
14.7	107	57,999	1,572.9	196,262	8,189,049.0	\$7,248.60	\$9,276.76
14.8	117	58,116	1,731.6	197,993	8,187,317.4	\$7,973.16	\$10,187.28
14.9	117	58,233	1,743.3	199,737	8,185,574.1	\$8,020.27	\$10,230.82
15	132	58,365	1,980.0	201,717	8,183,594.1	\$9,101.66	\$11,591.58
15.1	105	58,470	1,585.5	203,302	8,182,008.6	\$7,282.24	\$9,259.65
15.2	125	58,595	1,900.0	205,202	8,180,108.6	\$8,719.67	\$11,069.90
15.3	117	58,712	1,790.1	206,992	8,178,318.5	\$8,208.72	\$10,404.96
15.4	114	58,826	1,755.6	208,748	8,176,562.9	\$8,044.15	\$10,180.59
15.5	131	58,957	2,030.5	210,778	8,174,532.4	\$9,296.47	\$11,747.49
15.6	100	59,057	1,560.0	212,338	8,172,972.4	\$7,136.81	\$9,004.76
15.7	132	59,189	2,072.4	214,411	8,170,900.0	\$9,473.74	\$11,935.40
15.8	123	59,312	1,943.4	216,354	8,168,956.6	\$8,877.33	\$11,167.39
15.9	123	59,435	1,955.7	218,310	8,167,000.9	\$8,926.86	\$11,213.16
16	126	59,561	2,016.0	220,326	8,164,984.9	\$9,195.33	\$11,533.54
16.1	103	59,664	1,658.3	221,984	8,163,326.6	\$7,558.29	\$9,466.53
16.2	81	59,745	1,312.2	223,296	8,162,014.4	\$5,976.52	\$7,474.70
16.3	128	59,873	2,086.4	225,383	8,159,928.0	\$9,495.92	\$11,859.49
16.4	101	59,974	1,656.4	227,039	8,158,271.6	\$7,533.54	\$9,395.46
16.5	107	60,081	1,765.5	228,805	8,156,506.1	\$8,024.17	\$9,993.43
16.6	112	60,193	1,859.2	230,664	8,154,646.9	\$8,444.23	\$10,502.08
16.7	100	60,293	1,670.0	232,334	8,152,976.9	\$7,579.76	\$9,414.07
16.8	123	60,416	2,066.4	234,400	8,150,910.5	\$9,372.63	\$11,625.07
16.9	126	60,542	2,129.4	236,530	8,148,781.1	\$9,651.97	\$11,955.50
17	126	60,668	2,142.0	238,672	8,146,639.1	\$9,702.71	\$12,002.38
17.1	104	60,772	1,778.4	240,450	8,144,860.7	\$8,050.46	\$9,945.43
17.2	87	60,859	1,496.4	241,946	8,143,364.3	\$6,769.55	\$8,352.10
17.3	94	60,953	1,626.2	243,573	8,141,738.1	\$7,352.08	\$9,059.09
17.4	104	61,057	1,809.6	245,382	8,139,928.5	\$8,176.10	\$10,061.52
17.5	109	61,166	1,907.5	247,290	8,138,021.0	\$8,613.07	\$10,585.81
17.6	109	61,275	1,918.4	249,208	8,136,102.6	\$8,656.96	\$10,626.37
17.7	100	61,375	1,770.0	250,978	8,134,332.6	\$7,982.44	\$9,786.17
17.8	107	61,482	1,904.6	252,883	8,132,428.0	\$8,584.29	\$10,511.02
17.9	99	61,581	1,772.1	254,655	8,130,655.9	\$7,982.34	\$9,761.98
18	149	61,730	2,682.0	257,337	8,127,973.9	\$12,073.83	\$14,747.72
18.1	94	61,824	1,701.4	259,038	8,126,272.5	\$7,654.90	\$9,338.91
18.2	110	61,934	2,002.0	261,040	8,124,270.5	\$9,002.15	\$10,969.44
18.3	113	62,047	2,067.9	263,108	8,122,202.6	\$9,293.17	\$11,310.66
18.4	121	62,168	2,226.4	265,334	8,119,976.2	\$9,999.82	\$12,156.43
18.5	94	62,262	1,739.0	267,073	8,118,237.2	\$7,806.31	\$9,478.82
18.6	105	62,367	1,953.0	269,026	8,116,284.2	\$8,762.09	\$10,627.11
18.7	88	62,455	1,645.6	270,672	8,114,638.6	\$7,378.90	\$8,939.28
18.8	117	62,572	2,199.6	272,872	8,112,439.0	\$9,857.70	\$11,928.71
18.9	106	62,678	2,003.4	274,875	8,110,435.6	\$8,973.59	\$10,846.65
19	112	62,790	2,128.0	277,003	8,108,307.6	\$9,526.63	\$11,502.29
19.1	104	62,894	1,986.4	278,989	8,106,321.2	\$8,888.04	\$10,719.39
19.2	93	62,987	1,785.6	280,775	8,104,535.6	\$7,985.40	\$9,620.22
19.3	87	63,074	1,679.1	282,454	8,102,856.5	\$7,505.25	\$9,031.93
19.4	105	63,179	2,037.0	284,491	8,100,819.5	\$9,100.34	\$10,939.68
19.5	101	63,280	1,969.5	286,461	8,098,850.0	\$8,794.33	\$10,560.51



## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
19.6	120	63,400	2,352.0	288,813	8,096,498.0	\$10,497.03	\$12,591.79
19.7	106	63,506	2,088.2	290,901	8,094,409.8	\$9,315.06	\$11,162.19
19.8	90	63,596	1,782.0	292,683	8,092,627.8	\$7,945.26	\$9,510.82
19.9	100	63,696	1,990.0	294,673	8,090,637.8	\$8,868.33	\$10,604.79
20	132	63,828	2,640.0	297,313	8,087,997.8	\$11,759.35	\$14,047.44
20.1	86	63,914	1,728.6	299,041	8,086,269.2	\$7,696.03	\$9,184.12
20.2	112	64,026	2,262.4	301,304	8,084,006.8	\$10,067.83	\$12,002.39
20.3	94	64,120	1,908.2	303,212	8,082,098.6	\$8,487.64	\$10,108.41
20.4	107	64,227	2,182.8	305,395	8,079,915.8	\$9,704.55	\$11,546.20
20.5	111	64,338	2,275.5	307,670	8,077,640.3	\$10,112.03	\$12,019.14
20.6	89	64,427	1,833.4	309,504	8,075,806.9	\$8,143.69	\$9,670.08
20.7	102	64,529	2,111.4	311,615	8,073,695.5	\$9,374.29	\$11,120.52
20.8	90	64,619	1,872.0	313,487	8,071,823.5	\$8,307.67	\$9,845.71
20.9	98	64,717	2,048.2	315,535	8,069,775.3	\$9,085.59	\$10,757.35
21	103	64,820	2,163.0	317,698	8,067,612.3	\$9,590.62	\$11,344.52
21.1	110	64,930	2,321.0	320,019	8,065,291.3	\$10,286.70	\$12,156.44
21.2	97	65,027	2,056.4	322,076	8,063,234.9	\$9,110.06	\$10,755.86
21.3	93	65,120	1,980.9	324,057	8,061,254.0	\$8,771.84	\$10,346.93
21.4	82	65,202	1,754.8	325,811	8,059,499.2	\$7,767.33	\$9,153.61
21.5	97	65,299	2,085.5	327,897	8,057,413.7	\$9,227.24	\$10,864.15
21.6	94	65,393	2,030.4	329,927	8,055,383.3	\$8,979.71	\$10,563.12
21.7	118	65,511	2,560.6	332,488	8,052,822.7	\$11,319.92	\$13,303.99
21.8	80	65,591	1,744.0	334,232	8,051,078.7	\$7,706.74	\$9,049.42
21.9	108	65,699	2,365.2	336,597	8,048,713.5	\$10,447.59	\$12,256.91
22	104	65,803	2,288.0	338,885	8,046,425.5	\$10,102.52	\$11,841.65
22.1	100	65,903	2,210.0	341,095	8,044,215.5	\$9,754.23	\$11,423.41
22.2	69	65,972	1,531.8	342,627	8,042,683.7	\$6,758.20	\$7,907.83
22.3	91	66,063	2,029.3	344,656	8,040,654.4	\$8,949.64	\$10,463.03
22.4	108	66,171	2,419.2	347,075	8,038,235.2	\$10,665.03	\$12,457.84
22.5	90	66,261	2,025.0	349,100	8,036,210.2	\$8,923.77	\$10,415.03
22.6	99	66,360	2,237.4	351,338	8,033,972.8	\$9,856.01	\$11,493.37
22.7	82	66,442	1,861.4	353,199	8,032,111.4	\$8,196.59	\$9,550.27
22.8	112	66,554	2,553.6	355,753	8,029,557.8	\$11,240.44	\$13,085.95
22.9	104	66,658	2,381.6	358,134	8,027,176.2	\$10,479.43	\$12,189.93
23	105	66,763	2,415.0	360,549	8,024,761.2	\$10,622.47	\$12,346.22
23.1	80	66,843	1,848.0	362,397	8,022,913.2	\$8,125.53	\$9,436.41
23.2	85	66,928	1,972.0	364,369	8,020,941.2	\$8,667.60	\$10,057.81
23.3	91	67,019	2,120.3	366,490	8,018,820.9	\$9,316.07	\$10,801.64
23.4	94	67,113	2,199.6	368,689	8,016,621.3	\$9,661.05	\$11,192.71
23.5	96	67,209	2,256.0	370,945	8,014,365.3	\$9,905.26	\$11,466.58
23.6	94	67,303	2,218.4	373,164	8,012,146.9	\$9,736.75	\$11,262.67
23.7	74	67,377	1,753.8	374,918	8,010,393.1	\$7,694.90	\$8,893.89
23.8	80	67,457	1,904.0	376,822	8,008,489.1	\$8,351.03	\$9,644.78
23.9	81	67,538	1,935.9	378,757	8,006,553.2	\$8,488.03	\$9,795.48
24	108	67,646	2,592.0	381,349	8,003,961.2	\$11,360.87	\$13,100.83
24.1	87	67,733	2,096.7	383,446	8,001,864.5	\$9,186.84	\$10,585.82
24.2	80	67,813	1,936.0	385,382	7,999,928.5	\$8,479.88	\$9,763.86
24.3	86	67,899	2,089.8	387,472	7,997,838.7	\$9,150.51	\$10,528.15
24.4	83	67,982	2,025.2	389,497	7,995,813.5	\$8,864.73	\$10,191.77

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
24.5	94	68,076	2,303.0	391,800	7,993,510.5	\$10,077.42	\$11,577.46
24.6	82	68,158	2,017.2	393,817	7,991,493.3	\$8,823.96	\$10,130.00
24.7	81	68,239	2,000.7	395,818	7,989,492.6	\$8,748.97	\$10,036.60
24.8	88	68,327	2,182.4	398,000	7,987,310.2	\$9,540.49	\$10,936.71
24.9	104	68,431	2,589.6	400,590	7,984,720.6	\$11,317.00	\$12,963.90
25	105	68,536	2,625.0	403,215	7,982,095.6	\$11,468.10	\$13,127.63
25.1	85	68,621	2,133.5	405,349	7,979,962.1	\$9,313.71	\$10,658.75
25.2	99	68,720	2,494.8	407,843	7,977,467.3	\$10,882.69	\$12,451.15
25.3	81	68,801	2,049.3	409,893	7,975,418.0	\$8,932.62	\$10,217.45
25.4	97	68,898	2,463.8	412,356	7,972,954.2	\$10,731.34	\$12,271.80
25.5	74	68,972	1,887.0	414,243	7,971,067.2	\$8,212.92	\$9,389.53
25.6	71	69,043	1,817.6	416,061	7,969,249.6	\$7,905.04	\$9,035.29
25.7	72	69,115	1,850.4	417,911	7,967,399.2	\$8,041.80	\$9,189.34
25.8	77	69,192	1,986.6	419,898	7,965,412.6	\$8,627.44	\$9,856.14
25.9	76	69,268	1,968.4	421,866	7,963,444.2	\$8,542.23	\$9,756.42
26	89	69,357	2,314.0	424,180	7,961,130.2	\$10,034.83	\$11,458.39
26.1	81	69,438	2,114.1	426,295	7,959,016.1	\$9,161.42	\$10,458.57
26.2	84	69,522	2,200.8	428,495	7,956,815.3	\$9,530.39	\$10,877.18
26.3	87	69,609	2,288.1	430,783	7,954,527.2	\$9,901.48	\$11,298.02
26.4	86	69,695	2,270.4	433,054	7,952,256.8	\$9,818.04	\$11,200.16
26.5	85	69,780	2,252.5	435,306	7,950,004.3	\$9,733.89	\$11,101.55
26.6	79	69,859	2,101.4	437,408	7,947,902.9	\$9,074.69	\$10,347.31
26.7	94	69,953	2,509.8	439,918	7,945,393.1	\$10,830.92	\$12,346.97
26.8	78	70,031	2,090.4	442,008	7,943,302.7	\$9,014.90	\$10,274.38
26.9	77	70,108	2,071.3	444,079	7,941,231.4	\$8,926.51	\$10,171.31
27	91	70,199	2,457.0	446,536	7,938,774.4	\$10,581.64	\$12,054.50
27.1	90	70,289	2,439.0	448,975	7,936,335.4	\$10,497.14	\$11,955.52
27.2	83	70,372	2,257.6	451,233	7,934,077.8	\$9,710.00	\$11,056.53
27.3	71	70,443	1,938.3	453,171	7,932,139.5	\$8,331.22	\$9,484.41
27.4	80	70,523	2,192.0	455,363	7,929,947.5	\$9,415.53	\$10,716.43
27.5	81	70,604	2,227.5	457,591	7,927,720.0	\$9,561.83	\$10,880.53
27.6	90	70,694	2,484.0	460,075	7,925,236.0	\$10,656.03	\$12,122.96
27.7	74	70,768	2,049.8	462,124	7,923,186.2	\$8,787.75	\$9,995.31
27.8	92	70,860	2,557.6	464,682	7,920,628.6	\$10,957.80	\$12,460.83
27.9	85	70,945	2,371.5	467,054	7,918,257.1	\$10,154.07	\$11,544.35
28	93	71,038	2,604.0	469,658	7,915,653.1	\$11,142.58	\$12,665.48
28.1	81	71,119	2,276.1	471,934	7,913,377.0	\$9,733.43	\$11,061.37
28.2	81	71,200	2,284.2	474,218	7,911,092.8	\$9,762.03	\$11,091.51
28.3	60	71,260	1,698.0	475,916	7,909,394.8	\$7,252.32	\$8,238.26
28.4	79	71,339	2,243.6	478,159	7,907,151.2	\$9,576.78	\$10,876.44
28.5	84	71,423	2,394.0	480,553	7,904,757.2	\$10,212.56	\$11,596.07
28.6	77	71,500	2,202.2	482,756	7,902,555.0	\$9,388.71	\$10,658.39
28.7	95	71,595	2,726.5	485,482	7,899,828.5	\$11,617.01	\$13,185.31
28.8	85	71,680	2,448.0	487,930	7,897,380.5	\$10,424.18	\$11,829.01
28.9	79	71,759	2,283.1	490,213	7,895,097.4	\$9,716.25	\$11,023.42
29	92	71,851	2,668.0	492,881	7,892,429.4	\$11,347.61	\$12,871.63
29.1	77	71,928	2,240.7	495,122	7,890,188.7	\$9,524.65	\$10,801.64
29.2	69	71,997	2,014.8	497,137	7,888,173.9	\$8,559.43	\$9,705.07
29.3	73	72,070	2,138.9	499,276	7,886,035.0	\$9,081.41	\$10,294.85

**RATE SCHEDULE NT (Commerical/Industrial - Choice)****Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
29.4	93	72,163	2,734.2	502,010	7,883,300.8	\$11,602.30	\$13,149.96
29.5	83	72,246	2,448.5	504,458	7,880,852.3	\$10,384.05	\$11,766.87
29.6	64	72,310	1,894.4	506,353	7,878,957.9	\$8,029.58	\$9,097.06
29.7	90	72,400	2,673.0	509,026	7,876,284.9	\$11,323.37	\$12,826.23
29.8	79	72,479	2,354.2	511,380	7,873,930.7	\$9,967.30	\$11,287.98
29.9	72	72,551	2,152.8	513,533	7,871,777.9	\$9,109.54	\$10,314.57
30	86	72,637	2,580.0	516,113	7,869,197.9	\$10,911.21	\$12,352.18
30.1	79	72,716	2,377.9	518,491	7,866,820.0	\$10,050.98	\$11,376.17
30.2	92	72,808	2,778.4	521,269	7,864,041.6	\$11,737.42	\$13,282.43
30.3	80	72,888	2,424.0	523,693	7,861,617.6	\$10,234.70	\$11,579.70
30.4	78	72,966	2,371.2	526,064	7,859,246.4	\$10,006.38	\$11,319.24
30.5	67	73,033	2,043.5	528,108	7,857,202.9	\$8,618.88	\$9,747.86
30.6	78	73,111	2,386.8	530,495	7,854,816.1	\$10,061.46	\$11,377.28
30.7	75	73,186	2,302.5	532,797	7,852,513.6	\$9,700.96	\$10,967.60
30.8	71	73,257	2,186.8	534,984	7,850,326.8	\$9,208.64	\$10,409.08
30.9	68	73,325	2,101.2	537,085	7,848,225.6	\$8,843.56	\$9,994.57
31	90	73,415	2,790.0	539,875	7,845,435.6	\$11,736.49	\$13,261.59
31.1	60	73,475	1,866.0	541,741	7,843,569.6	\$7,845.51	\$8,863.39
31.2	93	73,568	2,901.6	544,643	7,840,668.0	\$12,193.38	\$13,772.85
31.3	81	73,649	2,535.3	547,178	7,838,132.7	\$10,648.64	\$12,025.85
31.4	69	73,718	2,166.6	549,345	7,835,966.1	\$9,095.43	\$10,269.92
31.5	77	73,795	2,425.5	551,770	7,833,540.6	\$10,177.16	\$11,489.29
31.6	72	73,867	2,275.2	554,045	7,831,265.4	\$9,541.72	\$10,770.02
31.7	70	73,937	2,219.0	556,264	7,829,046.4	\$9,301.39	\$10,496.90
31.8	81	74,018	2,575.8	558,840	7,826,470.6	\$10,791.64	\$12,176.55
31.9	69	74,087	2,201.1	561,041	7,824,269.5	\$9,217.24	\$10,398.29
32	86	74,173	2,752.0	563,793	7,821,517.5	\$11,518.52	\$12,992.19
32.1	72	74,245	2,311.2	566,104	7,819,206.3	\$9,668.84	\$10,903.98
32.2	75	74,320	2,415.0	568,519	7,816,791.3	\$10,098.19	\$11,386.22
32.3	78	74,398	2,519.4	571,039	7,814,271.9	\$10,529.65	\$11,870.69
32.4	74	74,472	2,397.6	573,436	7,811,874.3	\$10,015.80	\$11,289.47
32.5	84	74,556	2,730.0	576,166	7,809,144.3	\$11,398.95	\$12,846.33
32.6	79	74,635	2,575.4	578,742	7,806,568.9	\$10,748.33	\$12,111.06
32.7	68	74,703	2,223.6	580,965	7,804,345.3	\$9,275.74	\$10,450.02
32.8	82	74,785	2,689.6	583,655	7,801,655.7	\$11,214.40	\$12,632.00
32.9	68	74,853	2,237.2	585,892	7,799,418.5	\$9,323.76	\$10,500.62
33	93	74,946	3,069.0	588,961	7,796,349.5	\$12,784.45	\$14,395.75
33.1	74	75,020	2,449.4	591,411	7,793,900.1	\$10,198.70	\$11,482.22
33.2	74	75,094	2,456.8	593,867	7,791,443.3	\$10,224.83	\$11,509.75
33.3	71	75,165	2,364.3	596,232	7,789,079.0	\$9,835.38	\$11,069.56
33.4	71	75,236	2,371.4	598,603	7,786,707.6	\$9,860.45	\$11,095.98
33.5	63	75,299	2,110.5	600,714	7,784,597.1	\$8,771.66	\$9,869.17
33.6	63	75,362	2,116.8	602,830	7,782,480.3	\$8,793.90	\$9,892.61
33.7	64	75,426	2,156.8	604,987	7,780,323.5	\$8,956.09	\$10,073.45
33.8	72	75,498	2,433.6	607,421	7,777,889.9	\$10,101.02	\$11,359.43
33.9	69	75,567	2,339.1	609,760	7,775,550.8	\$9,704.51	\$10,911.79
34	68	75,635	2,312.0	612,072	7,773,238.8	\$9,587.87	\$10,778.95
34.1	57	75,692	1,943.7	614,016	7,771,295.1	\$8,057.02	\$9,056.51
34.2	58	75,750	1,983.6	615,999	7,769,311.5	\$8,218.85	\$9,236.98

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
34.3	70	75,820	2,401.0	618,400	7,766,910.5	\$9,944.02	\$11,174.12
34.4	61	75,881	2,098.4	620,499	7,764,812.1	\$8,687.04	\$9,760.15
34.5	67	75,948	2,311.5	622,810	7,762,500.6	\$9,565.16	\$10,745.09
34.6	76	76,024	2,629.6	625,440	7,759,871.0	\$10,876.86	\$12,216.74
34.7	76	76,100	2,637.2	628,077	7,757,233.8	\$10,903.70	\$12,245.02
34.8	85	76,185	2,958.0	631,035	7,754,275.8	\$12,224.94	\$13,726.72
34.9	68	76,253	2,373.2	633,408	7,751,902.6	\$9,803.96	\$11,006.68
35	86	76,339	3,010.0	636,418	7,748,892.6	\$12,429.49	\$13,952.21
35.1	57	76,396	2,000.7	638,419	7,746,891.9	\$8,258.28	\$9,268.60
35.2	62	76,458	2,182.4	640,601	7,744,709.5	\$9,004.58	\$10,104.71
35.3	62	76,520	2,188.6	642,790	7,742,520.9	\$9,026.47	\$10,127.78
35.4	70	76,590	2,478.0	645,268	7,740,042.9	\$10,215.90	\$11,460.64
35.5	69	76,659	2,449.5	647,717	7,737,593.4	\$10,094.32	\$11,322.59
35.6	75	76,734	2,670.0	650,387	7,734,923.4	\$10,998.57	\$12,335.07
35.7	64	76,798	2,284.8	652,672	7,732,638.6	\$9,408.04	\$10,549.74
35.8	69	76,867	2,470.2	655,142	7,730,168.4	\$10,167.41	\$11,399.61
35.9	53	76,920	1,902.7	657,045	7,728,265.7	\$7,828.46	\$8,775.95
36	95	77,015	3,420.0	660,465	7,724,845.7	\$14,065.69	\$15,765.82
36.1	61	77,076	2,202.1	662,667	7,722,643.6	\$9,053.19	\$10,146.01
36.2	53	77,129	1,918.6	664,586	7,720,725.0	\$7,884.60	\$8,835.11
36.3	68	77,197	2,468.4	667,054	7,718,256.6	\$10,140.10	\$11,360.92
36.4	61	77,258	2,220.4	669,274	7,716,036.2	\$9,117.81	\$10,214.11
36.5	58	77,316	2,117.0	671,391	7,713,919.2	\$8,689.87	\$9,733.36
36.6	67	77,383	2,452.2	673,844	7,711,467.0	\$10,061.96	\$11,268.64
36.7	82	77,465	3,009.4	676,853	7,708,457.6	\$12,343.59	\$13,821.98
36.8	63	77,528	2,318.4	679,171	7,706,139.2	\$9,505.73	\$10,642.77
36.9	61	77,589	2,250.9	681,422	7,703,888.3	\$9,225.50	\$10,327.60
37	82	77,671	3,034.0	684,456	7,700,854.3	\$12,430.45	\$13,913.51
37.1	64	77,735	2,374.4	686,831	7,698,479.9	\$9,724.41	\$10,883.14
37.2	63	77,798	2,343.6	689,174	7,696,136.3	\$9,594.71	\$10,736.54
37.3	66	77,864	2,461.8	691,636	7,693,674.5	\$10,074.90	\$11,272.36
37.4	74	77,938	2,767.6	694,404	7,690,906.9	\$11,322.23	\$12,666.24
37.5	60	77,998	2,250.0	696,654	7,688,656.9	\$9,201.38	\$10,292.25
37.6	70	78,068	2,632.0	699,286	7,686,024.9	\$10,759.65	\$12,033.67
37.7	71	78,139	2,676.7	701,962	7,683,348.2	\$10,938.43	\$12,232.00
37.8	71	78,210	2,683.8	704,646	7,680,664.4	\$10,963.50	\$12,258.42
37.9	73	78,283	2,766.7	707,413	7,677,897.7	\$11,298.11	\$12,630.89
38	74	78,357	2,812.0	710,225	7,675,085.7	\$11,479.01	\$12,831.45
38.1	69	78,426	2,628.9	712,854	7,672,456.8	\$10,727.76	\$11,990.14
38.2	56	78,482	2,139.2	714,993	7,670,317.6	\$8,726.36	\$9,751.96
38.3	73	78,555	2,795.9	717,789	7,667,521.7	\$11,401.21	\$12,739.54
38.4	66	78,621	2,534.4	720,323	7,664,987.3	\$10,331.25	\$11,542.50
38.5	68	78,689	2,618.0	722,941	7,662,369.3	\$10,668.33	\$11,917.58
38.6	64	78,753	2,470.4	725,412	7,659,898.9	\$10,063.38	\$11,240.36
38.7	84	78,837	3,250.8	728,663	7,656,648.1	\$13,237.84	\$14,784.23
38.8	60	78,897	2,328.0	730,991	7,654,320.1	\$9,476.79	\$10,582.49
38.9	60	78,957	2,334.0	733,325	7,651,986.1	\$9,497.97	\$10,604.81
39	79	79,036	3,081.0	736,406	7,648,905.1	\$12,533.56	\$13,992.40
39.1	55	79,091	2,150.5	738,556	7,646,754.6	\$8,745.31	\$9,762.01

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
39.2	65	79,156	2,548.0	741,104	7,644,206.6	\$10,358.32	\$11,561.11
39.3	41	79,197	1,611.3	742,715	7,642,595.3	\$6,548.19	\$7,307.65
39.4	49	79,246	1,930.6	744,646	7,640,664.7	\$7,843.18	\$8,751.76
39.5	51	79,297	2,014.5	746,660	7,638,650.2	\$8,181.32	\$9,127.95
39.6	54	79,351	2,138.4	748,799	7,636,511.8	\$8,681.64	\$9,684.99
39.7	62	79,413	2,461.4	751,260	7,634,050.4	\$9,989.70	\$11,142.87
39.8	72	79,485	2,865.6	754,126	7,631,184.8	\$11,626.37	\$12,966.90
39.9	69	79,554	2,753.1	756,879	7,628,431.7	\$11,166.30	\$12,452.29
40	77	79,631	3,080.0	759,959	7,625,351.7	\$12,488.13	\$13,924.68
40.1	70	79,701	2,807.0	762,766	7,622,544.7	\$11,377.56	\$12,684.85
40.2	69	79,770	2,773.8	765,540	7,619,770.9	\$11,239.39	\$12,529.31
40.3	55	79,825	2,216.5	767,756	7,617,554.4	\$8,978.35	\$10,007.60
40.4	73	79,898	2,949.2	770,705	7,614,605.2	\$11,942.50	\$13,309.97
40.5	54	79,952	2,187.0	772,892	7,612,418.2	\$8,853.24	\$9,865.83
40.6	60	80,012	2,436.0	775,328	7,609,982.2	\$9,858.12	\$10,984.36
40.7	60	80,072	2,442.0	777,770	7,607,540.2	\$9,879.31	\$11,006.68
40.8	52	80,124	2,121.6	779,892	7,605,418.6	\$8,580.43	\$9,558.47
40.9	45	80,169	1,840.5	781,733	7,603,578.1	\$7,441.26	\$8,288.50
41	61	80,230	2,501.0	784,234	7,601,077.1	\$10,108.58	\$11,258.22
41.1	63	80,293	2,589.3	786,823	7,598,487.8	\$10,462.25	\$11,650.79
41.2	52	80,345	2,142.4	788,965	7,596,345.4	\$8,653.87	\$9,635.87
41.3	65	80,410	2,684.5	791,650	7,593,660.9	\$10,840.29	\$12,069.02
41.4	64	80,474	2,649.6	794,299	7,591,011.3	\$10,696.11	\$11,907.16
41.5	60	80,534	2,490.0	796,789	7,588,521.3	\$10,048.79	\$11,185.29
41.6	53	80,587	2,204.8	798,994	7,586,316.5	\$8,895.15	\$9,900.06
41.7	53	80,640	2,210.1	801,204	7,584,106.4	\$8,913.86	\$9,919.78
41.8	56	80,696	2,340.8	803,545	7,581,765.6	\$9,438.19	\$10,502.12
41.9	81	80,777	3,393.9	806,939	7,578,371.7	\$13,680.27	\$15,220.70
42	56	80,833	2,352.0	809,291	7,576,019.7	\$9,477.74	\$10,543.79
42.1	49	80,882	2,062.9	811,354	7,573,956.8	\$8,310.32	\$9,244.05
42.2	62	80,944	2,616.4	813,970	7,571,340.4	\$10,536.99	\$11,719.62
42.3	57	81,001	2,411.1	816,381	7,568,929.3	\$9,707.36	\$10,795.70
42.4	49	81,050	2,077.6	818,459	7,566,851.7	\$8,362.23	\$9,298.75
42.5	63	81,113	2,677.5	821,136	7,564,174.2	\$10,773.68	\$11,978.98
42.6	43	81,156	1,831.8	822,968	7,562,342.4	\$7,368.65	\$8,192.13
42.7	52	81,208	2,220.4	825,189	7,560,122.0	\$8,929.28	\$9,926.11
42.8	51	81,259	2,182.8	827,371	7,557,939.2	\$8,775.57	\$9,754.20
42.9	56	81,315	2,402.4	829,774	7,555,536.8	\$9,655.69	\$10,731.33
43	68	81,383	2,924.0	832,698	7,552,612.8	\$11,748.78	\$13,056.20
43.1	51	81,434	2,198.1	834,896	7,550,414.7	\$8,829.59	\$9,811.13
43.2	66	81,500	2,851.2	837,747	7,547,563.5	\$11,449.84	\$12,721.32
43.3	62	81,562	2,684.6	840,432	7,544,878.9	\$10,777.80	\$11,973.40
43.4	50	81,612	2,170.0	842,602	7,542,708.9	\$8,709.43	\$9,674.57
43.5	46	81,658	2,001.0	844,603	7,540,707.9	\$8,028.92	\$8,917.72
43.6	54	81,712	2,354.4	846,957	7,538,353.5	\$9,444.32	\$10,488.72
43.7	55	81,767	2,403.5	849,361	7,535,950.0	\$9,638.63	\$10,703.42
43.8	69	81,836	3,022.2	852,383	7,532,927.8	\$12,116.46	\$13,453.61
43.9	62	81,898	2,721.8	855,105	7,530,206.0	\$10,909.15	\$12,111.82
44	63	81,961	2,772.0	857,877	7,527,434.0	\$11,107.35	\$12,330.61

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
44.1	52	82,013	2,293.2	860,170	7,525,140.8	\$9,186.33	\$10,197.00
44.2	52	82,065	2,298.4	862,468	7,522,842.4	\$9,204.69	\$10,216.35
44.3	49	82,114	2,170.7	864,639	7,520,671.7	\$8,690.95	\$9,645.17
44.4	55	82,169	2,442.0	867,081	7,518,229.7	\$9,774.57	\$10,846.68
44.5	64	82,233	2,848.0	869,929	7,515,381.7	\$11,396.64	\$12,645.41
44.6	63	82,296	2,809.8	872,739	7,512,571.9	\$11,240.82	\$12,471.27
44.7	43	82,339	1,922.1	874,661	7,510,649.8	\$7,687.49	\$8,528.13
44.8	57	82,396	2,553.6	877,214	7,508,096.2	\$10,210.51	\$11,325.95
44.9	59	82,455	2,649.1	879,864	7,505,447.1	\$10,589.61	\$11,745.30
45	50	82,505	2,250.0	882,114	7,503,197.1	\$8,991.90	\$9,972.25
45.1	57	82,562	2,570.7	884,684	7,500,626.4	\$10,270.89	\$11,389.57
45.2	59	82,621	2,666.8	887,351	7,497,959.6	\$10,652.11	\$11,811.16
45.3	46	82,667	2,083.8	889,435	7,495,875.8	\$8,321.27	\$9,225.82
45.4	50	82,717	2,270.0	891,705	7,493,605.8	\$9,062.52	\$10,046.67
45.5	60	82,777	2,730.0	894,435	7,490,875.8	\$10,896.21	\$12,078.33
45.6	53	82,830	2,416.8	896,852	7,488,459.0	\$9,643.70	\$10,688.91
45.7	48	82,878	2,193.6	899,045	7,486,265.4	\$8,750.86	\$9,698.39
45.8	56	82,934	2,564.8	901,610	7,483,700.6	\$10,229.11	\$11,335.62
45.9	47	82,981	2,157.3	903,767	7,481,543.3	\$8,601.74	\$9,531.31
46	75	83,056	3,450.0	907,217	7,478,093.3	\$13,752.67	\$15,237.45
46.1	52	83,108	2,397.2	909,615	7,475,696.1	\$9,553.54	\$10,583.98
46.2	54	83,162	2,494.8	912,109	7,473,201.3	\$9,940.05	\$11,011.15
46.3	46	83,208	2,129.8	914,239	7,471,071.5	\$8,483.70	\$9,396.99
46.4	46	83,254	2,134.4	916,374	7,468,937.1	\$8,499.94	\$9,414.10
46.5	54	83,308	2,511.0	918,885	7,466,426.1	\$9,997.25	\$11,071.43
46.6	42	83,350	1,957.2	920,842	7,464,468.9	\$7,790.47	\$8,626.74
46.7	67	83,417	3,128.9	923,971	7,461,340.0	\$12,451.32	\$13,786.64
46.8	45	83,462	2,106.0	926,077	7,459,234.0	\$8,378.71	\$9,276.43
46.9	44	83,506	2,063.6	928,140	7,457,170.4	\$8,208.06	\$9,086.66
47	58	83,564	2,726.0	930,866	7,454,444.4	\$10,840.19	\$11,999.45
47.1	61	83,625	2,873.1	933,739	7,451,571.3	\$11,422.43	\$12,642.81
47.2	51	83,676	2,407.2	936,147	7,449,164.1	\$9,567.90	\$10,589.19
47.3	64	83,740	3,027.2	939,174	7,446,136.9	\$12,029.38	\$13,312.21
47.4	49	83,789	2,322.6	941,496	7,443,814.3	\$9,227.30	\$10,210.39
47.5	63	83,852	2,992.5	944,489	7,440,821.8	\$11,885.91	\$13,151.09
47.6	55	83,907	2,618.0	947,107	7,438,203.8	\$10,396.01	\$11,501.58
47.7	43	83,950	2,051.1	949,158	7,436,152.7	\$8,142.97	\$9,008.14
47.8	44	83,994	2,103.2	951,261	7,434,049.5	\$8,347.88	\$9,234.01
47.9	52	84,046	2,490.8	953,752	7,431,558.7	\$9,884.04	\$10,932.27
48	67	84,113	3,216.0	956,968	7,428,342.7	\$12,758.86	\$14,110.74
48.1	70	84,183	3,367.0	960,335	7,424,975.7	\$13,354.87	\$14,768.61
48.2	54	84,237	2,602.8	962,938	7,422,372.9	\$10,321.39	\$11,413.02
48.3	61	84,298	2,946.3	965,884	7,419,426.6	\$11,680.89	\$12,915.18
48.4	59	84,357	2,855.6	968,740	7,416,571.0	\$11,318.74	\$12,513.69
48.5	57	84,414	2,764.5	971,504	7,413,806.5	\$10,955.18	\$12,110.70
48.6	47	84,461	2,284.2	973,788	7,411,522.3	\$9,049.81	\$10,003.51
48.7	49	84,510	2,386.3	976,175	7,409,136.0	\$9,452.21	\$10,447.42
48.8	48	84,558	2,342.4	978,517	7,406,793.6	\$9,276.26	\$10,252.07
48.9	54	84,612	2,640.6	981,158	7,404,153.0	\$10,454.86	\$11,553.67

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
49	61	84,673	2,989.0	984,147	7,401,164.0	\$11,831.66	\$13,074.07
49.1	53	84,726	2,602.3	986,749	7,398,561.7	\$10,298.68	\$11,379.16
49.2	52	84,778	2,558.4	989,307	7,396,003.3	\$10,122.72	\$11,183.81
49.3	48	84,826	2,366.4	991,674	7,393,636.9	\$9,361.00	\$10,341.37
49.4	51	84,877	2,519.4	994,193	7,391,117.5	\$9,964.07	\$11,006.69
49.5	48	84,925	2,376.0	996,569	7,388,741.5	\$9,394.90	\$10,377.10
49.6	50	84,975	2,480.0	999,049	7,386,261.5	\$9,804.01	\$10,828.08
49.7	42	85,017	2,087.4	1,001,137	7,384,174.1	\$8,250.20	\$9,111.22
49.8	59	85,076	2,938.2	1,004,075	7,381,235.9	\$11,610.39	\$12,821.04
49.9	51	85,127	2,544.9	1,006,620	7,378,691.0	\$10,054.11	\$11,101.57
50	62	85,189	3,100.0	1,009,720	7,375,591.0	\$12,244.54	\$13,519.10
50.1	40	85,229	2,004.0	1,011,724	7,373,587.0	\$7,913.82	\$8,736.88
50.2	65	85,294	3,263.0	1,014,987	7,370,324.0	\$12,882.91	\$14,221.62
50.3	46	85,340	2,313.8	1,017,300	7,368,010.2	\$9,133.38	\$10,081.65
50.4	47	85,387	2,368.8	1,019,669	7,365,641.4	\$9,348.53	\$10,318.30
50.5	39	85,426	1,969.5	1,021,639	7,363,671.9	\$7,771.06	\$8,576.51
50.6	48	85,474	2,428.8	1,024,068	7,361,243.1	\$9,581.33	\$10,573.56
50.7	49	85,523	2,484.3	1,026,552	7,358,758.8	\$9,798.24	\$10,812.08
50.8	51	85,574	2,590.8	1,029,143	7,356,168.0	\$10,216.18	\$11,272.37
50.9	41	85,615	2,086.9	1,031,230	7,354,081.1	\$8,227.48	\$9,077.35
51	50	85,665	2,550.0	1,033,780	7,351,531.1	\$10,051.17	\$11,088.55
51.1	57	85,722	2,912.7	1,036,692	7,348,618.4	\$11,478.46	\$12,662.16
51.2	49	85,771	2,508.8	1,039,201	7,346,109.6	\$9,884.75	\$10,903.24
51.3	35	85,806	1,795.5	1,040,997	7,344,314.1	\$7,072.89	\$7,801.06
51.4	38	85,844	1,953.2	1,042,950	7,342,360.9	\$7,692.56	\$8,483.86
51.5	45	85,889	2,317.5	1,045,267	7,340,043.4	\$9,125.50	\$10,063.42
51.6	42	85,931	2,167.2	1,047,434	7,337,876.2	\$8,531.96	\$9,408.15
51.7	40	85,971	2,068.0	1,049,502	7,335,808.2	\$8,139.80	\$8,975.03
51.8	54	86,025	2,797.2	1,052,300	7,333,011.0	\$11,007.80	\$12,136.38
51.9	45	86,070	2,335.5	1,054,635	7,330,675.5	\$9,189.05	\$10,130.40
52	75	86,145	3,900.0	1,058,535	7,326,775.5	\$15,341.57	\$16,911.90
52.1	38	86,183	1,979.8	1,060,515	7,324,795.7	\$7,786.48	\$8,582.84
52.2	44	86,227	2,296.8	1,062,812	7,322,498.9	\$9,031.46	\$9,954.39
52.3	34	86,261	1,778.2	1,064,590	7,320,720.7	\$6,990.86	\$7,704.68
52.4	40	86,301	2,096.0	1,066,686	7,318,624.7	\$8,238.67	\$9,079.22
52.5	54	86,355	2,835.0	1,069,521	7,315,789.7	\$11,141.27	\$12,277.04
52.6	41	86,396	2,156.6	1,071,678	7,313,633.1	\$8,473.59	\$9,336.71
52.7	41	86,437	2,160.7	1,073,838	7,311,472.4	\$8,488.06	\$9,351.96
52.8	51	86,488	2,692.8	1,076,531	7,308,779.6	\$10,576.33	\$11,651.91
52.9	48	86,536	2,539.2	1,079,070	7,306,240.4	\$9,971.14	\$10,984.36
53	44	86,580	2,332.0	1,081,402	7,303,908.4	\$9,155.75	\$10,085.37
53.1	43	86,623	2,283.3	1,083,686	7,301,625.1	\$8,962.85	\$9,872.16
53.2	39	86,662	2,074.8	1,085,760	7,299,550.3	\$8,142.86	\$8,968.33
53.3	52	86,714	2,771.6	1,088,532	7,296,778.7	\$10,875.51	\$11,977.12
53.4	50	86,764	2,670.0	1,091,202	7,294,108.7	\$10,474.88	\$11,535.07
53.5	49	86,813	2,621.5	1,093,823	7,291,487.2	\$10,282.68	\$11,322.60
53.6	43	86,856	2,304.8	1,096,128	7,289,182.4	\$9,038.76	\$9,952.16
53.7	59	86,915	3,168.3	1,099,297	7,286,014.1	\$12,422.85	\$13,677.24
53.8	33	86,948	1,775.4	1,101,072	7,284,238.7	\$6,960.03	\$7,662.26

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
53.9	44	86,992	2,371.6	1,103,444	7,281,867.1	\$9,295.57	\$10,232.72
54	43	87,035	2,322.0	1,105,766	7,279,545.1	\$9,099.49	\$10,016.16
54.1	43	87,078	2,326.3	1,108,092	7,277,218.8	\$9,114.68	\$10,032.16
54.2	51	87,129	2,764.2	1,110,856	7,274,454.6	\$10,828.44	\$11,917.59
54.3	46	87,175	2,497.8	1,113,354	7,271,956.8	\$9,783.07	\$10,766.31
54.4	41	87,216	2,230.4	1,115,584	7,269,726.4	\$8,734.17	\$9,611.32
54.5	38	87,254	2,071.0	1,117,655	7,267,655.4	\$8,108.50	\$8,922.19
54.6	45	87,299	2,457.0	1,120,112	7,265,198.4	\$9,618.06	\$10,582.50
54.7	33	87,332	1,805.1	1,121,917	7,263,393.3	\$7,064.90	\$7,772.78
54.8	38	87,370	2,082.4	1,124,000	7,261,310.9	\$8,148.75	\$8,964.61
54.9	48	87,418	2,635.2	1,126,635	7,258,675.7	\$10,310.11	\$11,341.58
55	45	87,463	2,475.0	1,129,110	7,256,200.7	\$9,681.62	\$10,649.48
55.1	44	87,507	2,424.4	1,131,534	7,253,776.3	\$9,482.00	\$10,429.19
55.2	45	87,552	2,484.0	1,134,018	7,251,292.3	\$9,713.39	\$10,682.96
55.3	42	87,594	2,322.6	1,136,341	7,248,969.7	\$9,080.66	\$9,986.39
55.4	36	87,630	1,994.4	1,138,335	7,246,975.3	\$7,796.14	\$8,573.16
55.5	49	87,679	2,719.5	1,141,055	7,244,255.8	\$10,628.71	\$11,687.26
55.6	38	87,717	2,112.8	1,143,168	7,242,143.0	\$8,256.09	\$9,077.73
55.7	39	87,756	2,172.3	1,145,340	7,239,970.7	\$8,487.13	\$9,331.13
55.8	40	87,796	2,232.0	1,147,572	7,237,738.7	\$8,718.87	\$9,585.27
55.9	41	87,837	2,291.9	1,149,864	7,235,446.8	\$8,951.32	\$9,840.16
56	51	87,888	2,856.0	1,152,720	7,232,590.8	\$11,152.57	\$12,259.18
56.1	41	87,929	2,300.1	1,155,020	7,230,290.7	\$8,980.27	\$9,870.67
56.2	51	87,980	2,866.2	1,157,886	7,227,424.5	\$11,188.59	\$12,297.13
56.3	49	88,029	2,758.7	1,160,645	7,224,665.8	\$10,767.12	\$11,833.12
56.4	49	88,078	2,763.6	1,163,408	7,221,902.2	\$10,784.42	\$11,851.36
56.5	40	88,118	2,260.0	1,165,668	7,219,642.2	\$8,817.73	\$9,689.46
56.6	42	88,160	2,377.2	1,168,046	7,217,265.0	\$9,273.45	\$10,189.56
56.7	38	88,198	2,154.6	1,170,200	7,215,110.4	\$8,403.68	\$9,233.27
56.8	40	88,238	2,272.0	1,172,472	7,212,838.4	\$8,860.10	\$9,734.11
56.9	55	88,293	3,129.5	1,175,602	7,209,708.9	\$12,202.06	\$13,404.87
57	47	88,340	2,679.0	1,178,281	7,207,029.9	\$10,443.81	\$11,472.56
57.1	37	88,377	2,112.7	1,180,393	7,204,917.2	\$8,234.79	\$9,045.36
57.2	38	88,415	2,173.6	1,182,567	7,202,743.6	\$8,470.77	\$9,303.97
57.3	44	88,459	2,521.2	1,185,088	7,200,222.4	\$9,823.80	\$10,789.39
57.4	41	88,500	2,353.4	1,187,442	7,197,869.0	\$9,168.47	\$10,069.00
57.5	47	88,547	2,702.5	1,190,144	7,195,166.5	\$10,526.79	\$11,560.00
57.6	44	88,591	2,534.4	1,192,679	7,192,632.1	\$9,870.40	\$10,838.50
57.7	37	88,628	2,134.9	1,194,813	7,190,497.2	\$8,313.18	\$9,127.96
57.8	40	88,668	2,312.0	1,197,125	7,188,185.2	\$9,001.34	\$9,882.95
57.9	41	88,709	2,373.9	1,199,499	7,185,811.3	\$9,240.85	\$10,145.28
58	51	88,760	2,958.0	1,202,457	7,182,853.3	\$11,512.72	\$12,638.72
58.1	32	88,792	1,859.2	1,204,317	7,180,994.1	\$7,234.97	\$7,942.08
58.2	40	88,832	2,328.0	1,206,645	7,178,666.1	\$9,057.84	\$9,942.49
58.3	43	88,875	2,506.9	1,209,151	7,176,159.2	\$9,752.36	\$10,704.17
58.4	60	88,935	3,504.0	1,212,655	7,172,655.2	\$13,629.12	\$14,958.38
58.5	43	88,978	2,515.5	1,215,171	7,170,139.7	\$9,782.72	\$10,736.18
58.6	37	89,015	2,168.2	1,217,339	7,167,971.5	\$8,430.75	\$9,251.87
58.7	48	89,063	2,817.6	1,220,157	7,165,153.9	\$10,954.14	\$12,020.29



## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
58.8	45	89,108	2,646.0	1,222,803	7,162,507.9	\$10,285.40	\$11,285.77
58.9	40	89,148	2,356.0	1,225,159	7,160,151.9	\$9,156.70	\$10,046.68
59	46	89,194	2,714.0	1,227,873	7,157,437.9	\$10,546.45	\$11,570.79
59.1	49	89,243	2,895.9	1,230,769	7,154,542.0	\$11,251.56	\$12,343.64
59.2	35	89,278	2,072.0	1,232,841	7,152,470.0	\$8,049.19	\$8,829.91
59.3	41	89,319	2,431.3	1,235,272	7,150,038.7	\$9,443.52	\$10,358.87
59.4	34	89,353	2,019.6	1,237,292	7,148,019.1	\$7,843.22	\$8,602.93
59.5	53	89,406	3,153.5	1,240,445	7,144,865.6	\$12,244.91	\$13,430.17
59.6	47	89,453	2,801.2	1,243,246	7,142,064.4	\$10,875.29	\$11,927.27
59.7	53	89,506	3,164.1	1,246,410	7,138,900.3	\$12,282.34	\$13,469.62
59.8	44	89,550	2,631.2	1,249,042	7,136,269.1	\$10,212.19	\$11,198.70
59.9	30	89,580	1,797.0	1,250,839	7,134,472.1	\$6,973.45	\$7,646.64
60	42	89,622	2,520.0	1,253,359	7,131,952.1	\$9,777.66	\$10,720.92
60.1	47	89,669	2,824.7	1,256,183	7,129,127.4	\$10,958.27	\$12,014.71
60.2	26	89,695	1,565.2	1,257,748	7,127,562.2	\$6,071.20	\$6,656.11
60.3	30	89,725	1,809.0	1,259,557	7,125,753.2	\$7,015.82	\$7,691.29
60.4	44	89,769	2,657.6	1,262,215	7,123,095.6	\$10,305.41	\$11,296.93
60.5	22	89,791	1,331.0	1,263,546	7,121,764.6	\$5,160.47	\$5,656.65
60.6	42	89,833	2,545.2	1,266,091	7,119,219.4	\$9,866.64	\$10,814.69
60.7	32	89,865	1,942.4	1,268,034	7,117,277.0	\$7,528.74	\$8,251.67
60.8	28	89,893	1,702.4	1,269,736	7,115,574.6	\$6,597.53	\$7,230.63
60.9	44	89,937	2,679.6	1,272,416	7,112,895.0	\$10,383.09	\$11,378.79
61	40	89,977	2,440.0	1,274,856	7,110,455.0	\$9,453.30	\$10,359.24
61.1	36	90,013	2,199.6	1,277,055	7,108,255.4	\$8,520.68	\$9,336.71
61.2	37	90,050	2,264.4	1,279,320	7,105,991.0	\$8,770.43	\$9,609.83
61.3	36	90,086	2,206.8	1,281,526	7,103,784.2	\$8,546.10	\$9,363.50
61.4	35	90,121	2,149.0	1,283,675	7,101,635.2	\$8,321.07	\$9,116.43
61.5	33	90,154	2,029.5	1,285,705	7,099,605.7	\$7,857.23	\$8,607.77
61.6	43	90,197	2,648.8	1,288,354	7,096,956.9	\$10,253.39	\$11,232.18
61.7	49	90,246	3,023.3	1,291,377	7,093,933.6	\$11,701.40	\$12,817.70
61.8	34	90,280	2,101.2	1,293,478	7,091,832.4	\$8,131.34	\$8,906.57
61.9	29	90,309	1,795.1	1,295,273	7,090,037.3	\$6,945.80	\$7,607.57
62	44	90,353	2,728.0	1,298,001	7,087,309.3	\$10,553.99	\$11,558.89
62.1	44	90,397	2,732.4	1,300,734	7,084,576.9	\$10,569.52	\$11,575.26
62.2	32	90,429	1,990.4	1,302,724	7,082,586.5	\$7,698.22	\$8,430.28
62.3	31	90,460	1,931.3	1,304,655	7,080,655.2	\$7,468.60	\$8,178.37
62.4	49	90,509	3,057.6	1,307,713	7,077,597.6	\$11,822.51	\$12,945.33
62.5	30	90,539	1,875.0	1,309,588	7,075,722.6	\$7,248.86	\$7,936.88
62.6	43	90,582	2,691.8	1,312,280	7,073,030.8	\$10,405.22	\$11,392.19
62.7	32	90,614	2,006.4	1,314,286	7,071,024.4	\$7,754.72	\$8,489.81
62.8	38	90,652	2,386.4	1,316,673	7,068,638.0	\$9,222.14	\$10,095.79
62.9	34	90,686	2,138.6	1,318,811	7,066,499.4	\$8,263.40	\$9,045.73
63	41	90,727	2,583.0	1,321,394	7,063,916.4	\$9,979.16	\$10,923.34
63.1	52	90,779	3,281.2	1,324,675	7,060,635.2	\$12,674.86	\$13,873.35
63.2	39	90,818	2,464.8	1,327,140	7,058,170.4	\$9,519.91	\$10,419.52
63.3	44	90,862	2,785.2	1,329,925	7,055,385.2	\$10,755.95	\$11,771.73
63.4	37	90,899	2,345.8	1,332,271	7,053,039.4	\$9,057.84	\$9,912.72
63.5	34	90,933	2,159.0	1,334,430	7,050,880.4	\$8,335.43	\$9,121.64
63.6	34	90,967	2,162.4	1,336,593	7,048,718.0	\$8,347.43	\$9,134.29

**RATE SCHEDULE NT (Commerical/Industrial - Choice)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
63.7	38	91,005	2,420.6	1,339,013	7,046,297.4	\$9,342.90	\$10,223.05
63.8	30	91,035	1,914.0	1,340,927	7,044,383.4	\$7,386.57	\$8,081.99
63.9	30	91,065	1,917.0	1,342,844	7,042,466.4	\$7,397.16	\$8,093.16
64	44	91,109	2,816.0	1,345,660	7,039,650.4	\$10,864.70	\$11,886.34
64.1	39	91,148	2,499.9	1,348,160	7,037,150.5	\$9,643.85	\$10,550.13
64.2	30	91,178	1,926.0	1,350,086	7,035,224.5	\$7,428.94	\$8,126.65
64.3	47	91,225	3,022.1	1,353,108	7,032,202.4	\$11,655.27	\$12,749.23
64.4	35	91,260	2,254.0	1,355,362	7,029,948.4	\$8,691.81	\$9,507.13
64.5	41	91,301	2,644.5	1,358,007	7,027,303.9	\$10,196.31	\$11,152.18
64.6	43	91,344	2,777.8	1,360,785	7,024,526.1	\$10,708.88	\$11,712.19
64.7	29	91,373	1,876.3	1,362,661	7,022,649.8	\$7,232.51	\$7,909.71
64.8	30	91,403	1,944.0	1,364,605	7,020,705.8	\$7,492.49	\$8,193.62
64.9	40	91,443	2,596.0	1,367,201	7,018,109.8	\$10,004.12	\$10,939.72
65	56	91,499	3,640.0	1,370,841	7,014,469.8	\$14,025.54	\$15,336.44
65.1	40	91,539	2,604.0	1,373,445	7,011,865.8	\$10,032.36	\$10,969.48
65.2	39	91,578	2,542.8	1,375,988	7,009,323.0	\$9,795.33	\$10,709.76
65.3	25	91,603	1,632.5	1,377,620	7,007,690.5	\$6,287.88	\$6,874.53
65.4	31	91,634	2,027.4	1,379,648	7,005,663.1	\$7,807.92	\$8,535.96
65.5	36	91,670	2,358.0	1,382,006	7,003,305.1	\$9,079.97	\$9,926.12
65.6	45	91,715	2,952.0	1,384,958	7,000,353.1	\$11,365.85	\$12,424.39
65.7	48	91,763	3,153.6	1,388,111	6,997,199.5	\$12,140.53	\$13,270.55
65.8	41	91,804	2,697.8	1,390,809	6,994,501.7	\$10,384.51	\$11,350.51
65.9	40	91,844	2,636.0	1,393,445	6,991,865.7	\$10,145.35	\$11,088.56
66	44	91,888	2,904.0	1,396,349	6,988,961.7	\$11,175.42	\$12,213.78
66.1	38	91,926	2,511.8	1,398,861	6,986,449.9	\$9,664.92	\$10,562.41
66.2	28	91,954	1,853.6	1,400,714	6,984,596.3	\$7,131.41	\$7,793.25
66.3	30	91,984	1,989.0	1,402,703	6,982,607.3	\$7,651.39	\$8,361.07
66.4	29	92,013	1,925.6	1,404,629	6,980,681.7	\$7,406.58	\$8,093.16
66.5	39	92,052	2,593.5	1,407,222	6,978,088.2	\$9,974.34	\$10,898.41
66.6	33	92,085	2,197.8	1,409,420	6,975,890.4	\$8,451.48	\$9,234.01
66.7	29	92,114	1,934.3	1,411,355	6,973,956.1	\$7,437.30	\$8,125.53
66.8	43	92,157	2,872.4	1,414,227	6,971,083.7	\$11,042.90	\$12,064.20
66.9	44	92,201	2,943.6	1,417,171	6,968,140.1	\$11,315.25	\$12,361.14
67	49	92,250	3,283.0	1,420,454	6,964,857.1	\$12,618.37	\$13,784.04
67.1	33	92,283	2,214.3	1,422,668	6,962,642.8	\$8,509.74	\$9,295.41
67.2	40	92,323	2,688.0	1,425,356	6,959,954.8	\$10,328.96	\$11,282.05
67.3	24	92,347	1,615.2	1,426,971	6,958,339.6	\$6,205.85	\$6,778.16
67.4	36	92,383	2,426.4	1,429,397	6,955,913.2	\$9,321.49	\$10,180.63
67.5	21	92,404	1,417.5	1,430,815	6,954,495.7	\$5,444.95	\$5,946.52
67.6	37	92,441	2,501.2	1,433,316	6,951,994.5	\$9,606.54	\$10,490.97
67.7	36	92,477	2,437.2	1,435,753	6,949,557.3	\$9,359.62	\$10,220.82
67.8	34	92,511	2,305.2	1,438,059	6,947,252.1	\$8,851.65	\$9,665.65
67.9	34	92,545	2,308.6	1,440,367	6,944,943.5	\$8,863.65	\$9,678.30
68	35	92,580	2,380.0	1,442,747	6,942,563.5	\$9,136.70	\$9,975.98
68.1	20	92,600	1,362.0	1,444,109	6,941,201.5	\$5,228.04	\$5,708.00
68.2	21	92,621	1,432.2	1,445,541	6,939,769.3	\$5,496.85	\$6,001.22
68.3	37	92,658	2,527.1	1,448,068	6,937,242.2	\$9,697.99	\$10,587.34
68.4	28	92,686	1,915.2	1,449,984	6,935,327.0	\$7,348.91	\$8,022.46
68.5	23	92,709	1,575.5	1,451,559	6,933,751.5	\$6,044.73	\$6,598.44

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
68.6	33	92,742	2,263.8	1,453,823	6,931,487.7	\$8,684.52	\$9,479.60
68.7	45	92,787	3,091.5	1,456,914	6,928,396.2	\$11,858.41	\$12,943.47
68.8	30	92,817	2,064.0	1,458,978	6,926,332.2	\$7,916.20	\$8,640.14
68.9	31	92,848	2,135.9	1,461,114	6,924,196.3	\$8,191.02	\$8,939.68
69	30	92,878	2,070.0	1,463,184	6,922,126.3	\$7,937.39	\$8,662.47
69.1	51	92,929	3,524.1	1,466,708	6,918,602.2	\$13,511.57	\$14,745.18
69.2	24	92,953	1,660.8	1,468,369	6,916,941.4	\$6,366.86	\$6,947.84
69.3	35	92,988	2,425.5	1,470,795	6,914,515.9	\$9,297.36	\$10,145.29
69.4	30	93,018	2,082.0	1,472,877	6,912,433.9	\$7,979.76	\$8,707.12
69.5	26	93,044	1,807.0	1,474,684	6,910,626.9	\$6,924.97	\$7,555.85
69.6	40	93,084	2,784.0	1,477,468	6,907,842.9	\$10,667.93	\$11,639.26
69.7	36	93,120	2,509.2	1,479,977	6,905,333.7	\$9,613.84	\$10,488.73
69.8	28	93,148	1,954.4	1,481,931	6,903,379.3	\$7,487.32	\$8,168.32
69.9	32	93,180	2,236.8	1,484,168	6,901,142.5	\$8,568.24	\$9,347.13
70	39	93,219	2,730.0	1,486,898	6,898,412.5	\$10,456.31	\$11,406.33
70.1	34	93,253	2,383.4	1,489,282	6,896,029.1	\$9,127.76	\$9,956.63
70.2	26	93,279	1,825.2	1,491,107	6,894,203.9	\$6,989.23	\$7,623.57
70.3	48	93,327	3,374.4	1,494,481	6,890,829.5	\$12,920.15	\$14,092.14
70.4	25	93,352	1,760.0	1,496,241	6,889,069.5	\$6,738.07	\$7,348.96
70.5	31	93,383	2,185.5	1,498,427	6,886,884.0	\$8,366.15	\$9,124.25
70.6	37	93,420	2,612.2	1,501,039	6,884,271.8	\$9,998.47	\$10,904.00
70.7	39	93,459	2,757.3	1,503,796	6,881,514.5	\$10,552.70	\$11,507.91
70.8	29	93,488	2,053.2	1,505,849	6,879,461.3	\$7,857.12	\$8,567.96
70.9	26	93,514	1,843.4	1,507,693	6,877,617.9	\$7,053.50	\$7,691.29
71	35	93,549	2,485.0	1,510,178	6,875,132.9	\$9,507.45	\$10,366.69
71.1	34	93,583	2,417.4	1,512,595	6,872,715.5	\$9,247.81	\$10,083.15
71.2	35	93,618	2,492.0	1,515,087	6,870,223.5	\$9,532.17	\$10,392.73
71.3	34	93,652	2,424.2	1,517,511	6,867,799.3	\$9,271.82	\$10,108.45
71.4	26	93,678	1,856.4	1,519,368	6,865,942.9	\$7,099.40	\$7,739.66
71.5	46	93,724	3,289.0	1,522,657	6,862,653.9	\$12,576.72	\$13,710.37
71.6	44	93,768	3,150.4	1,525,807	6,859,503.5	\$12,045.44	\$13,130.64
71.7	31	93,799	2,222.7	1,528,030	6,857,280.8	\$8,497.50	\$9,262.67
71.8	35	93,834	2,513.0	1,530,543	6,854,767.8	\$9,606.31	\$10,470.87
71.9	26	93,860	1,869.4	1,532,412	6,852,898.4	\$7,145.30	\$7,788.04
72	39	93,899	2,808.0	1,535,220	6,850,090.4	\$10,731.72	\$11,696.57
72.1	39	93,938	2,811.9	1,538,032	6,847,278.5	\$10,745.49	\$11,711.08
72.2	40	93,978	2,888.0	1,540,920	6,844,390.5	\$11,035.14	\$12,026.25
72.3	40	94,018	2,892.0	1,543,812	6,841,498.5	\$11,049.26	\$12,041.13
72.4	19	94,037	1,375.6	1,545,188	6,840,122.9	\$5,255.11	\$5,726.61
72.5	35	94,072	2,537.5	1,547,725	6,837,585.4	\$9,692.82	\$10,562.04
72.6	35	94,107	2,541.0	1,550,266	6,835,044.4	\$9,705.18	\$10,575.06
72.7	28	94,135	2,035.6	1,552,302	6,833,008.8	\$7,774.03	\$8,470.47
72.8	28	94,163	2,038.4	1,554,340	6,830,970.4	\$7,783.92	\$8,480.89
72.9	35	94,198	2,551.5	1,556,892	6,828,418.9	\$9,742.25	\$10,614.13
73	28	94,226	2,044.0	1,558,936	6,826,374.9	\$7,803.69	\$8,501.72
73.1	33	94,259	2,412.3	1,561,348	6,823,962.6	\$9,208.86	\$10,032.17
73.2	34	94,293	2,488.8	1,563,837	6,821,473.8	\$9,499.92	\$10,348.82
73.3	36	94,329	2,638.8	1,566,476	6,818,835.0	\$10,071.45	\$10,970.97
73.4	31	94,360	2,275.4	1,568,751	6,816,559.6	\$8,683.58	\$9,458.76

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
73.5	30	94,390	2,205.0	1,570,956	6,814,354.6	\$8,414.06	\$9,164.81
73.6	23	94,413	1,692.8	1,572,649	6,812,661.8	\$6,458.90	\$7,034.91
73.7	21	94,434	1,547.7	1,574,197	6,811,114.1	\$5,904.67	\$6,430.99
73.8	28	94,462	2,066.4	1,576,263	6,809,047.7	\$7,882.78	\$8,585.07
73.9	35	94,497	2,586.5	1,578,849	6,806,461.2	\$9,865.84	\$10,744.37
74	34	94,531	2,516.0	1,581,365	6,803,945.2	\$9,595.96	\$10,450.04
74.1	25	94,556	1,852.5	1,583,218	6,802,092.7	\$7,064.68	\$7,693.15
74.2	25	94,581	1,855.0	1,585,073	6,800,237.7	\$7,073.51	\$7,702.46
74.3	31	94,612	2,303.3	1,587,376	6,797,934.4	\$8,782.09	\$9,562.58
74.4	27	94,639	2,008.8	1,589,385	6,795,925.6	\$7,658.45	\$8,338.74
74.5	30	94,669	2,235.0	1,591,620	6,793,690.6	\$8,519.99	\$9,276.44
74.6	37	94,706	2,760.2	1,594,380	6,790,930.4	\$10,521.05	\$11,454.70
74.7	35	94,741	2,614.5	1,596,995	6,788,315.9	\$9,964.70	\$10,848.55
74.8	28	94,769	2,094.4	1,599,089	6,786,221.5	\$7,981.65	\$8,689.26
74.9	34	94,803	2,546.6	1,601,636	6,783,674.9	\$9,704.00	\$10,563.90
75	23	94,826	1,725.0	1,603,361	6,781,949.9	\$6,572.60	\$7,154.73
75.1	31	94,857	2,328.1	1,605,689	6,779,621.8	\$8,869.66	\$9,654.86
75.2	37	94,894	2,782.4	1,608,471	6,776,839.4	\$10,599.43	\$11,537.31
75.3	26	94,920	1,957.8	1,610,429	6,774,881.6	\$7,457.43	\$8,116.97
75.4	19	94,939	1,432.6	1,611,862	6,773,449.0	\$5,456.37	\$5,938.70
75.5	26	94,965	1,963.0	1,613,825	6,771,486.0	\$7,475.79	\$8,136.32
75.6	26	94,991	1,965.6	1,615,790	6,769,520.4	\$7,484.97	\$8,146.00
75.7	20	95,011	1,514.0	1,617,304	6,768,006.4	\$5,764.73	\$6,273.59
75.8	28	95,039	2,122.4	1,619,427	6,765,884.0	\$8,080.51	\$8,793.45
75.9	25	95,064	1,897.5	1,621,324	6,763,986.5	\$7,223.57	\$7,860.60
76	36	95,100	2,736.0	1,624,060	6,761,250.5	\$10,414.65	\$11,332.66
76.1	26	95,126	1,978.6	1,626,039	6,759,271.9	\$7,530.87	\$8,194.37
76.2	24	95,150	1,828.8	1,627,868	6,757,443.1	\$6,960.05	\$7,572.96
76.3	32	95,182	2,441.6	1,630,309	6,755,001.5	\$9,291.37	\$10,109.19
76.4	20	95,202	1,528.0	1,631,837	6,753,473.5	\$5,814.17	\$6,325.69
76.5	37	95,239	2,830.5	1,634,668	6,750,643.0	\$10,769.27	\$11,716.29
76.6	25	95,264	1,915.0	1,636,583	6,748,728.0	\$7,285.36	\$7,925.72
76.7	26	95,290	1,994.2	1,638,577	6,746,733.8	\$7,585.96	\$8,252.42
76.8	41	95,331	3,148.8	1,641,726	6,743,585.0	\$11,976.95	\$13,028.68
76.9	25	95,356	1,922.5	1,643,648	6,741,662.5	\$7,311.84	\$7,953.62
77	30	95,386	2,310.0	1,645,958	6,739,352.5	\$8,784.80	\$9,555.51
77.1	25	95,411	1,927.5	1,647,886	6,737,425.0	\$7,329.50	\$7,972.23
77.2	31	95,442	2,393.2	1,650,279	6,735,031.8	\$9,099.52	\$9,897.10
77.3	18	95,460	1,391.4	1,651,670	6,733,640.4	\$5,289.95	\$5,753.40
77.4	27	95,487	2,089.8	1,653,760	6,731,550.6	\$7,944.46	\$8,640.15
77.5	30	95,517	2,325.0	1,656,085	6,729,225.6	\$8,837.77	\$9,611.33
77.6	33	95,550	2,560.8	1,658,646	6,726,664.8	\$9,733.20	\$10,584.74
77.7	25	95,575	1,942.5	1,660,588	6,724,722.3	\$7,382.46	\$8,028.04
77.8	23	95,598	1,789.4	1,662,378	6,722,932.9	\$6,799.98	\$7,394.36
77.9	27	95,625	2,103.3	1,664,481	6,720,829.6	\$7,992.12	\$8,690.38
78	30	95,655	2,340.0	1,666,821	6,718,489.6	\$8,890.73	\$9,667.14
78.1	38	95,693	2,967.8	1,669,789	6,715,521.8	\$11,275.01	\$12,259.18
78.2	34	95,727	2,658.8	1,672,448	6,712,863.0	\$10,100.17	\$10,981.39
78.3	30	95,757	2,349.0	1,674,797	6,710,514.0	\$8,922.51	\$9,700.63

**RATE SCHEDULE NT (Commerical/Industrial - Choice)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
78.4	29	95,786	2,273.6	1,677,070	6,708,240.4	\$8,635.33	\$9,388.07
78.5	20	95,806	1,570.0	1,678,640	6,706,670.4	\$5,962.46	\$6,481.97
78.6	31	95,837	2,436.6	1,681,077	6,704,233.8	\$9,252.76	\$10,058.59
78.7	27	95,864	2,124.9	1,683,202	6,702,108.9	\$8,068.39	\$8,770.75
78.8	23	95,887	1,812.4	1,685,014	6,700,296.5	\$6,881.20	\$7,479.94
78.9	35	95,922	2,761.5	1,687,776	6,697,535.0	\$10,483.74	\$11,395.54
79	37	95,959	2,923.0	1,690,699	6,694,612.0	\$11,095.88	\$12,060.48
79.1	31	95,990	2,452.1	1,693,151	6,692,159.9	\$9,307.49	\$10,116.26
79.2	27	96,017	2,138.4	1,695,289	6,690,021.5	\$8,116.06	\$8,820.99
79.3	21	96,038	1,665.3	1,696,954	6,688,356.2	\$6,319.91	\$6,868.58
79.4	26	96,064	2,064.4	1,699,019	6,686,291.8	\$7,833.82	\$8,513.63
79.5	23	96,087	1,828.5	1,700,847	6,684,463.3	\$6,938.04	\$7,539.85
79.6	21	96,108	1,671.6	1,702,519	6,682,791.7	\$6,342.15	\$6,892.02
79.7	29	96,137	2,311.3	1,704,830	6,680,480.4	\$8,768.45	\$9,528.35
79.8	29	96,166	2,314.2	1,707,144	6,678,166.2	\$8,778.69	\$9,539.14
79.9	25	96,191	1,997.5	1,709,142	6,676,168.7	\$7,576.66	\$8,232.70
80	39	96,230	3,120.0	1,712,262	6,673,048.7	\$11,833.36	\$12,857.52
80.1	22	96,252	1,762.2	1,714,024	6,671,286.5	\$6,683.00	\$7,261.15
80.2	22	96,274	1,764.4	1,715,789	6,669,522.1	\$6,690.76	\$7,269.33
80.3	21	96,295	1,686.3	1,717,475	6,667,835.8	\$6,394.05	\$6,946.72
80.4	31	96,326	2,492.4	1,719,967	6,665,343.4	\$9,449.79	\$10,266.22
80.5	25	96,351	2,012.5	1,721,980	6,663,330.9	\$7,629.62	\$8,288.51
80.6	30	96,381	2,418.0	1,724,398	6,660,912.9	\$9,166.14	\$9,957.38
80.7	28	96,409	2,259.6	1,726,657	6,658,653.3	\$8,564.95	\$9,303.97
80.8	30	96,439	2,424.0	1,729,081	6,656,229.3	\$9,187.33	\$9,979.70
80.9	27	96,466	2,184.3	1,731,266	6,654,045.0	\$8,278.13	\$8,991.78
81	30	96,496	2,430.0	1,733,696	6,651,615.0	\$9,208.51	\$10,002.03
81.1	29	96,525	2,351.9	1,736,048	6,649,263.1	\$8,911.80	\$9,679.42
81.2	21	96,546	1,705.2	1,737,753	6,647,557.9	\$6,460.79	\$7,017.05
81.3	32	96,578	2,601.6	1,740,354	6,644,956.3	\$9,856.31	\$10,704.55
81.4	18	96,596	1,465.2	1,741,820	6,643,491.1	\$5,550.53	\$6,028.01
81.5	23	96,619	1,874.5	1,743,694	6,641,616.6	\$7,100.46	\$7,711.01
81.6	35	96,654	2,856.0	1,746,550	6,638,760.6	\$10,817.41	\$11,747.18
81.7	21	96,675	1,715.7	1,748,266	6,637,044.9	\$6,497.86	\$7,056.12
81.8	37	96,712	3,026.6	1,751,292	6,634,018.3	\$11,461.68	\$12,445.98
81.9	20	96,732	1,638.0	1,752,930	6,632,380.3	\$6,202.56	\$6,735.00
82	31	96,763	2,542.0	1,755,472	6,629,838.3	\$9,624.92	\$10,450.78
82.1	28	96,791	2,298.8	1,757,771	6,627,539.5	\$8,703.36	\$9,449.83
82.2	32	96,823	2,630.4	1,760,402	6,624,909.1	\$9,958.00	\$10,811.72
82.3	42	96,865	3,456.6	1,763,858	6,621,452.5	\$13,084.70	\$14,206.01
82.4	25	96,890	2,060.0	1,765,918	6,619,392.5	\$7,797.34	\$8,465.26
82.5	28	96,918	2,310.0	1,768,228	6,617,082.5	\$8,742.91	\$9,491.51
82.6	29	96,947	2,395.4	1,770,624	6,614,687.1	\$9,065.40	\$9,841.28
82.7	28	96,975	2,315.6	1,772,939	6,612,371.5	\$8,762.68	\$9,512.35
82.8	22	96,997	1,821.6	1,774,761	6,610,549.9	\$6,892.73	\$7,482.17
82.9	17	97,014	1,409.3	1,776,170	6,609,140.6	\$5,332.20	\$5,788.01
83	44	97,058	3,652.0	1,779,822	6,605,488.6	\$13,816.54	\$14,997.09
83.1	20	97,078	1,662.0	1,781,484	6,603,826.6	\$6,287.31	\$6,824.30
83.2	36	97,114	2,995.2	1,784,479	6,600,831.4	\$11,329.86	\$12,297.14

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
83.3	28	97,142	2,332.4	1,786,812	6,598,499.0	\$8,822.00	\$9,574.86
83.4	21	97,163	1,751.4	1,788,563	6,596,747.6	\$6,623.92	\$7,188.96
83.5	37	97,200	3,089.5	1,791,653	6,593,658.1	\$11,683.77	\$12,680.03
83.6	29	97,229	2,424.4	1,794,077	6,591,233.7	\$9,167.79	\$9,949.19
83.7	24	97,253	2,008.8	1,796,086	6,589,224.9	\$7,595.61	\$8,242.74
83.8	23	97,276	1,927.4	1,798,013	6,587,297.5	\$7,287.25	\$7,907.86
83.9	17	97,293	1,426.3	1,799,439	6,585,871.2	\$5,392.23	\$5,851.26
84	32	97,325	2,688.0	1,802,127	6,583,183.2	\$10,161.38	\$11,026.05
84.1	23	97,348	1,934.3	1,804,062	6,581,248.9	\$7,311.61	\$7,933.53
84.2	23	97,371	1,936.6	1,805,998	6,579,312.3	\$7,319.73	\$7,942.09
84.3	30	97,401	2,529.0	1,808,527	6,576,783.3	\$9,558.07	\$10,370.41
84.4	21	97,422	1,772.4	1,810,300	6,575,010.9	\$6,698.06	\$7,267.10
84.5	24	97,446	2,028.0	1,812,328	6,572,982.9	\$7,663.41	\$8,314.19
84.6	29	97,475	2,453.4	1,814,781	6,570,529.5	\$9,270.19	\$10,057.10
84.7	20	97,495	1,694.0	1,816,475	6,568,835.5	\$6,400.29	\$6,943.37
84.8	31	97,526	2,628.8	1,819,104	6,566,206.7	\$9,931.40	\$10,773.76
84.9	27	97,553	2,292.3	1,821,396	6,563,914.4	\$8,659.46	\$9,393.65
85	35	97,588	2,975.0	1,824,371	6,560,939.4	\$11,237.59	\$12,189.98
85.1	20	97,608	1,702.0	1,826,073	6,559,237.4	\$6,428.54	\$6,973.14
85.2	36	97,644	3,067.2	1,829,140	6,556,170.2	\$11,584.09	\$12,565.05
85.3	17	97,661	1,450.1	1,830,591	6,554,720.1	\$5,476.27	\$5,939.82
85.4	24	97,685	2,049.6	1,832,640	6,552,670.5	\$7,739.67	\$8,394.56
85.5	27	97,712	2,308.5	1,834,949	6,550,362.0	\$8,716.67	\$9,453.93
85.6	19	97,731	1,626.4	1,836,575	6,548,735.6	\$6,140.66	\$6,659.83
85.7	22	97,753	1,885.4	1,838,460	6,546,850.2	\$7,118.00	\$7,719.57
85.8	21	97,774	1,801.8	1,840,262	6,545,048.4	\$6,801.87	\$7,376.50
85.9	18	97,792	1,546.2	1,841,808	6,543,502.2	\$5,836.53	\$6,329.41
86	30	97,822	2,580.0	1,844,388	6,540,922.2	\$9,738.15	\$10,560.18
86.1	24	97,846	2,066.4	1,846,455	6,538,855.8	\$7,798.99	\$8,457.07
86.2	33	97,879	2,844.6	1,849,299	6,536,011.2	\$10,735.27	\$11,640.76
86.3	22	97,901	1,898.6	1,851,198	6,534,112.6	\$7,164.61	\$7,768.69
86.4	18	97,919	1,555.2	1,852,753	6,532,557.4	\$5,868.31	\$6,362.90
86.5	28	97,947	2,422.0	1,855,175	6,530,135.4	\$9,138.37	\$9,908.26
86.6	24	97,971	2,078.4	1,857,254	6,528,057.0	\$7,841.36	\$8,501.73
86.7	24	97,995	2,080.8	1,859,334	6,525,976.2	\$7,849.84	\$8,510.66
86.8	18	98,013	1,562.4	1,860,897	6,524,413.8	\$5,893.73	\$6,389.69
86.9	30	98,043	2,607.0	1,863,504	6,521,806.8	\$9,833.48	\$10,660.65
87	28	98,071	2,436.0	1,865,940	6,519,370.8	\$9,187.80	\$9,960.36
87.1	18	98,089	1,567.8	1,867,508	6,517,803.0	\$5,912.80	\$6,409.78
87.2	22	98,111	1,918.4	1,869,426	6,515,884.6	\$7,234.52	\$7,842.37
87.3	29	98,140	2,531.7	1,871,958	6,513,352.9	\$9,546.66	\$10,348.46
87.4	24	98,164	2,097.6	1,874,055	6,511,255.3	\$7,909.16	\$8,573.17
87.5	20	98,184	1,750.0	1,875,805	6,509,505.3	\$6,598.03	\$7,151.75
87.6	24	98,208	2,102.4	1,877,908	6,507,402.9	\$7,926.10	\$8,591.03
87.7	19	98,227	1,666.3	1,879,574	6,505,736.6	\$6,281.54	\$6,808.30
87.8	18	98,245	1,580.4	1,881,154	6,504,156.2	\$5,957.29	\$6,456.67
87.9	17	98,262	1,494.3	1,882,649	6,502,661.9	\$5,632.33	\$6,104.29
88	38	98,300	3,344.0	1,885,993	6,499,317.9	\$12,603.33	\$13,659.02
88.1	22	98,322	1,938.2	1,887,931	6,497,379.7	\$7,304.44	\$7,916.04

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
88.2	19	98,341	1,675.8	1,889,607	6,495,703.9	\$6,315.08	\$6,843.65
88.3	22	98,363	1,942.6	1,891,549	6,493,761.3	\$7,319.97	\$7,932.41
88.4	27	98,390	2,386.8	1,893,936	6,491,374.5	\$8,993.13	\$9,745.28
88.5	15	98,405	1,327.5	1,895,264	6,490,047.0	\$5,001.48	\$5,419.63
88.6	28	98,433	2,480.8	1,897,744	6,487,566.2	\$9,345.99	\$10,127.06
88.7	24	98,457	2,128.8	1,899,873	6,485,437.4	\$8,019.32	\$8,689.26
88.8	30	98,487	2,664.0	1,902,537	6,482,773.4	\$10,034.74	\$10,872.74
88.9	29	98,516	2,578.1	1,905,115	6,480,195.3	\$9,710.49	\$10,521.11
89	25	98,541	2,225.0	1,907,340	6,477,970.3	\$8,379.94	\$9,079.23
89.1	21	98,562	1,871.1	1,909,211	6,476,099.2	\$7,046.56	\$7,634.36
89.2	26	98,588	2,319.2	1,911,531	6,473,780.0	\$8,733.50	\$9,461.74
89.3	22	98,610	1,964.6	1,913,495	6,471,815.4	\$7,397.65	\$8,014.28
89.4	17	98,627	1,519.8	1,915,015	6,470,295.6	\$5,722.37	\$6,199.18
89.5	14	98,641	1,253.0	1,916,268	6,469,042.6	\$4,717.48	\$5,110.41
89.6	36	98,677	3,225.6	1,919,494	6,465,817.0	\$12,143.38	\$13,154.46
89.7	27	98,704	2,421.9	1,921,916	6,463,395.1	\$9,117.07	\$9,875.89
89.8	14	98,718	1,257.2	1,923,173	6,462,137.9	\$4,732.31	\$5,126.04
89.9	27	98,745	2,427.3	1,925,600	6,459,710.6	\$9,136.14	\$9,895.98
90	31	98,776	2,790.0	1,928,390	6,456,920.6	\$10,500.58	\$11,373.59
90.1	30	98,806	2,703.0	1,931,093	6,454,217.6	\$10,172.45	\$11,017.86
90.2	19	98,825	1,713.8	1,932,807	6,452,503.8	\$6,449.26	\$6,985.05
90.3	14	98,839	1,264.2	1,934,071	6,451,239.6	\$4,757.03	\$5,152.09
90.4	27	98,866	2,440.8	1,936,512	6,448,798.8	\$9,183.80	\$9,946.22
90.5	20	98,886	1,810.0	1,938,322	6,446,988.8	\$6,809.88	\$7,375.01
90.6	28	98,914	2,536.8	1,940,859	6,444,452.0	\$9,543.72	\$10,335.43
90.7	16	98,930	1,451.2	1,942,310	6,443,000.8	\$5,459.20	\$5,911.92
90.8	21	98,951	1,906.8	1,944,217	6,441,094.0	\$7,172.62	\$7,767.20
90.9	27	98,978	2,454.3	1,946,671	6,438,639.7	\$9,231.47	\$9,996.45
91	26	99,004	2,366.0	1,949,037	6,436,273.7	\$8,898.74	\$9,635.89
91.1	30	99,034	2,733.0	1,951,770	6,433,540.7	\$10,278.37	\$11,129.49
91.2	31	99,065	2,827.2	1,954,597	6,430,713.5	\$10,631.93	\$11,512.01
91.3	22	99,087	2,008.6	1,956,606	6,428,704.9	\$7,553.01	\$8,178.00
91.4	27	99,114	2,467.8	1,959,074	6,426,237.1	\$9,279.14	\$10,046.68
91.5	16	99,130	1,464.0	1,960,538	6,424,773.1	\$5,504.40	\$5,959.54
91.6	28	99,158	2,564.8	1,963,102	6,422,208.3	\$9,642.58	\$10,439.62
91.7	15	99,173	1,375.5	1,964,478	6,420,832.8	\$5,170.97	\$5,598.24
91.8	26	99,199	2,386.8	1,966,865	6,418,446.0	\$8,972.19	\$9,713.28
91.9	24	99,223	2,205.6	1,969,070	6,416,240.4	\$8,290.49	\$8,975.04
92	30	99,253	2,760.0	1,971,830	6,413,480.4	\$10,373.71	\$11,229.96
92.1	28	99,281	2,578.8	1,974,409	6,410,901.6	\$9,692.01	\$10,491.71
92.2	22	99,303	2,028.4	1,976,437	6,408,873.2	\$7,622.92	\$8,251.68
92.3	15	99,318	1,384.5	1,977,822	6,407,488.7	\$5,202.74	\$5,631.72
92.4	22	99,340	2,032.8	1,979,855	6,405,455.9	\$7,638.46	\$8,268.05
92.5	21	99,361	1,942.5	1,981,797	6,403,513.4	\$7,298.67	\$7,900.04
92.6	17	99,378	1,574.2	1,983,371	6,401,939.2	\$5,914.45	\$6,401.60
92.7	20	99,398	1,854.0	1,985,225	6,400,085.2	\$6,965.24	\$7,538.73
92.8	29	99,427	2,691.2	1,987,917	6,397,394.0	\$10,109.84	\$10,941.96
92.9	18	99,445	1,672.2	1,989,589	6,395,721.8	\$6,281.43	\$6,798.26
93	23	99,468	2,139.0	1,991,728	6,393,582.8	\$8,034.39	\$8,695.22

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
93.1	26	99,494	2,420.6	1,994,148	6,391,162.2	\$9,091.53	\$9,839.05
93.2	27	99,521	2,516.4	1,996,665	6,388,645.8	\$9,450.74	\$10,227.52
93.3	23	99,544	2,145.9	1,998,811	6,386,499.9	\$8,058.75	\$8,720.89
93.4	19	99,563	1,774.6	2,000,585	6,384,725.3	\$6,663.94	\$7,211.29
93.5	26	99,589	2,431.0	2,003,016	6,382,294.3	\$9,128.25	\$9,877.75
93.6	30	99,619	2,808.0	2,005,824	6,379,486.3	\$10,543.19	\$11,408.57
93.7	15	99,634	1,405.5	2,007,230	6,378,080.8	\$5,276.89	\$5,709.87
93.8	19	99,653	1,782.2	2,009,012	6,376,298.6	\$6,690.77	\$7,239.57
93.9	23	99,676	2,159.7	2,011,172	6,374,138.9	\$8,107.48	\$8,772.24
94	25	99,701	2,350.0	2,013,522	6,371,788.9	\$8,821.30	\$9,544.35
94.1	10	99,711	941.0	2,014,463	6,370,847.9	\$3,532.05	\$3,821.46
94.2	21	99,732	1,978.2	2,016,441	6,368,869.7	\$7,424.72	\$8,032.88
94.3	31	99,763	2,923.3	2,019,364	6,365,946.4	\$10,971.25	\$11,869.60
94.4	22	99,785	2,076.8	2,021,441	6,363,869.6	\$7,793.82	\$8,431.77
94.5	27	99,812	2,551.5	2,023,993	6,361,318.1	\$9,574.67	\$10,358.13
94.6	27	99,839	2,554.2	2,026,547	6,358,763.9	\$9,584.21	\$10,368.18
94.7	26	99,865	2,462.2	2,029,009	6,356,301.7	\$9,238.42	\$9,993.85
94.8	16	99,881	1,516.8	2,030,526	6,354,784.9	\$5,690.83	\$6,156.01
94.9	25	99,906	2,372.5	2,032,898	6,352,412.4	\$8,900.75	\$9,628.07
95	25	99,931	2,375.0	2,035,273	6,350,037.4	\$8,909.58	\$9,637.38
95.1	17	99,948	1,616.7	2,036,890	6,348,420.7	\$6,064.51	\$6,559.74
95.2	14	99,962	1,332.8	2,038,223	6,347,087.9	\$4,999.25	\$5,407.35
95.3	27	99,989	2,573.1	2,040,796	6,344,514.8	\$9,650.94	\$10,438.51
95.4	18	100,007	1,717.2	2,042,513	6,342,797.6	\$6,440.32	\$6,965.70
95.5	19	100,026	1,814.5	2,044,328	6,340,983.1	\$6,804.82	\$7,359.75
95.6	17	100,043	1,625.2	2,045,953	6,339,357.9	\$6,094.53	\$6,591.37
95.7	16	100,059	1,531.2	2,047,484	6,337,826.7	\$5,741.67	\$6,209.60
95.8	29	100,088	2,778.2	2,050,262	6,335,048.5	\$10,417.02	\$11,265.68
95.9	21	100,109	2,013.9	2,052,276	6,333,034.6	\$7,550.78	\$8,165.72
96	23	100,132	2,208.0	2,054,484	6,330,826.6	\$8,278.02	\$8,951.97
96.1	27	100,159	2,594.7	2,057,079	6,328,231.9	\$9,727.21	\$10,518.88
96.2	30	100,189	2,886.0	2,059,965	6,325,345.9	\$10,818.60	\$11,698.81
96.3	22	100,211	2,118.6	2,062,083	6,323,227.3	\$7,941.41	\$8,587.31
96.4	25	100,236	2,410.0	2,064,493	6,320,817.3	\$9,033.16	\$9,767.61
96.5	21	100,257	2,026.5	2,066,520	6,318,790.8	\$7,595.27	\$8,212.61
96.6	32	100,289	3,091.2	2,069,611	6,315,699.6	\$11,585.04	\$12,526.36
96.7	20	100,309	1,934.0	2,071,545	6,313,765.6	\$7,247.71	\$7,836.41
96.8	21	100,330	2,032.8	2,073,578	6,311,732.8	\$7,617.51	\$8,236.05
96.9	23	100,353	2,228.7	2,075,807	6,309,504.1	\$8,351.11	\$9,028.99
97	23	100,376	2,231.0	2,078,038	6,307,273.1	\$8,359.23	\$9,037.55
97.1	26	100,402	2,524.6	2,080,562	6,304,748.5	\$9,458.75	\$10,226.04
97.2	21	100,423	2,041.2	2,082,603	6,302,707.3	\$7,647.17	\$8,267.31
97.3	17	100,440	1,654.1	2,084,257	6,301,053.2	\$6,196.57	\$6,698.91
97.4	23	100,463	2,240.2	2,086,498	6,298,813.0	\$8,391.71	\$9,071.78
97.5	25	100,488	2,437.5	2,088,935	6,296,375.5	\$9,130.26	\$9,869.94
97.6	24	100,512	2,342.4	2,091,278	6,294,033.1	\$8,773.52	\$9,484.07
97.7	18	100,530	1,758.6	2,093,036	6,292,274.5	\$6,586.50	\$7,119.75
97.8	13	100,543	1,271.4	2,094,308	6,291,003.1	\$4,761.50	\$5,146.88
97.9	22	100,565	2,153.8	2,096,461	6,288,849.3	\$8,065.70	\$8,718.29



**RATE SCHEDULE NT (Commerical/Industrial - Choice)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
98	31	100,596	3,038.0	2,099,499	6,285,811.3	\$11,376.25	\$12,296.40
98.1	24	100,620	2,354.4	2,101,854	6,283,456.9	\$8,815.89	\$9,528.72
98.2	22	100,642	2,160.4	2,104,014	6,281,296.5	\$8,089.00	\$8,742.85
98.3	17	100,659	1,671.1	2,105,685	6,279,625.4	\$6,256.59	\$6,762.16
98.4	15	100,674	1,476.0	2,107,161	6,278,149.4	\$5,525.82	\$5,972.20
98.5	14	100,688	1,379.0	2,108,540	6,276,770.4	\$5,162.38	\$5,579.26
98.6	23	100,711	2,267.8	2,110,808	6,274,502.6	\$8,489.17	\$9,174.48
98.7	10	100,721	987.0	2,111,795	6,273,515.6	\$3,694.47	\$3,992.63
98.8	20	100,741	1,976.0	2,113,771	6,271,539.6	\$7,396.01	\$7,992.70
98.9	14	100,755	1,384.6	2,115,156	6,270,155.0	\$5,182.15	\$5,600.10
99	23	100,778	2,277.0	2,117,433	6,267,878.0	\$8,521.65	\$9,208.72
99.1	19	100,797	1,882.9	2,119,316	6,265,995.1	\$7,046.33	\$7,614.27
99.2	12	100,809	1,190.4	2,120,506	6,264,804.7	\$4,454.55	\$4,813.48
99.3	24	100,833	2,383.2	2,122,889	6,262,421.5	\$8,917.58	\$9,635.89
99.4	27	100,860	2,683.8	2,125,573	6,259,737.7	\$10,041.81	\$10,850.42
99.5	15	100,875	1,492.5	2,127,065	6,258,245.2	\$5,584.08	\$6,033.59
99.6	16	100,891	1,593.6	2,128,659	6,256,651.6	\$5,962.00	\$6,441.79
99.7	23	100,914	2,293.1	2,130,952	6,254,358.5	\$8,578.50	\$9,268.63
99.8	22	100,936	2,195.6	2,133,148	6,252,162.9	\$8,213.29	\$8,873.83
99.9	20	100,956	1,998.0	2,135,146	6,250,164.9	\$7,473.69	\$8,074.56
100	27	100,983	2,700.0	2,137,846	6,247,464.9	\$10,099.01	\$10,910.70
100.1	21	101,004	2,102.1	2,139,948	6,245,362.8	\$7,862.20	\$8,493.91
100.2	7	101,011	701.4	2,140,649	6,244,661.4	\$2,623.21	\$2,833.91
100.3	24	101,035	2,407.2	2,143,056	6,242,254.2	\$9,002.32	\$9,725.19
100.4	17	101,052	1,706.8	2,144,763	6,240,547.4	\$6,382.65	\$6,895.00
100.5	18	101,070	1,809.0	2,146,572	6,238,738.4	\$6,764.45	\$7,307.29
100.6	20	101,090	2,012.0	2,148,584	6,236,726.4	\$7,523.12	\$8,126.65
100.7	20	101,110	2,014.0	2,150,598	6,234,712.4	\$7,530.18	\$8,134.09
100.8	21	101,131	2,116.8	2,152,715	6,232,595.6	\$7,914.11	\$8,548.61
100.9	11	101,142	1,109.9	2,153,825	6,231,485.7	\$4,149.37	\$4,481.94
101	23	101,165	2,323.0	2,156,148	6,229,162.7	\$8,684.07	\$9,379.88
101.1	13	101,178	1,314.3	2,157,462	6,227,848.4	\$4,912.98	\$5,306.51
101.2	19	101,197	1,922.8	2,159,385	6,225,925.6	\$7,187.22	\$7,762.74
101.3	17	101,214	1,722.1	2,161,107	6,224,203.5	\$6,436.67	\$6,951.93
101.4	16	101,230	1,622.4	2,162,730	6,222,581.1	\$6,063.69	\$6,548.95
101.5	9	101,239	913.5	2,163,643	6,221,667.6	\$3,414.00	\$3,687.13
101.6	19	101,258	1,930.4	2,165,573	6,219,737.2	\$7,214.05	\$7,791.02
101.7	17	101,275	1,728.9	2,167,302	6,218,008.3	\$6,460.68	\$6,977.24
101.8	17	101,292	1,730.6	2,169,033	6,216,277.7	\$6,466.68	\$6,983.56
101.9	12	101,304	1,222.8	2,170,256	6,215,054.9	\$4,568.95	\$4,934.04
102	27	101,331	2,754.0	2,173,010	6,212,300.9	\$10,289.68	\$11,111.63
102.1	18	101,349	1,837.8	2,174,848	6,210,463.1	\$6,866.14	\$7,414.45
102.2	20	101,369	2,044.0	2,176,892	6,208,419.1	\$7,636.11	\$8,245.72
102.3	10	101,379	1,023.0	2,177,915	6,207,396.1	\$3,821.59	\$4,126.58
102.4	12	101,391	1,228.8	2,179,143	6,206,167.3	\$4,590.14	\$4,956.36
102.5	25	101,416	2,562.5	2,181,706	6,203,604.8	\$9,571.62	\$10,335.06
102.6	24	101,440	2,462.4	2,184,168	6,201,142.4	\$9,197.23	\$9,930.59
102.7	31	101,471	3,183.7	2,187,352	6,197,958.7	\$11,890.70	\$12,838.55
102.8	23	101,494	2,364.4	2,189,716	6,195,594.3	\$8,830.25	\$9,533.93

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
102.9	22	101,516	2,263.8	2,191,980	6,193,330.5	\$8,454.10	\$9,127.60
103	21	101,537	2,163.0	2,194,143	6,191,167.5	\$8,077.23	\$8,720.52
103.1	21	101,558	2,165.1	2,196,308	6,189,002.4	\$8,084.65	\$8,728.34
103.2	16	101,574	1,651.2	2,197,959	6,187,351.2	\$6,165.38	\$6,656.12
103.3	24	101,598	2,479.2	2,200,439	6,184,872.0	\$9,256.55	\$9,993.10
103.4	22	101,620	2,274.8	2,202,713	6,182,597.2	\$8,492.94	\$9,168.53
103.5	13	101,633	1,345.5	2,204,059	6,181,251.7	\$5,023.14	\$5,422.61
103.6	12	101,645	1,243.2	2,205,302	6,180,008.5	\$4,640.98	\$5,009.95
103.7	34	101,679	3,525.8	2,208,828	6,176,482.7	\$13,161.46	\$14,207.50
103.8	18	101,697	1,868.4	2,210,696	6,174,614.3	\$6,974.19	\$7,528.32
103.9	16	101,713	1,662.4	2,212,359	6,172,951.9	\$6,204.93	\$6,697.79
104	29	101,742	3,016.0	2,215,375	6,169,935.9	\$11,256.67	\$12,150.54
104.1	11	101,753	1,145.1	2,216,520	6,168,790.8	\$4,273.66	\$4,612.92
104.2	14	101,767	1,458.8	2,217,979	6,167,332.0	\$5,444.14	\$5,876.19
104.3	24	101,791	2,503.2	2,220,482	6,164,828.8	\$9,341.29	\$10,082.41
104.4	21	101,812	2,192.4	2,222,674	6,162,636.4	\$8,181.04	\$8,829.92
104.5	16	101,828	1,672.0	2,224,346	6,160,964.4	\$6,238.82	\$6,733.51
104.6	19	101,847	1,987.4	2,226,334	6,158,977.0	\$7,415.31	\$8,003.12
104.7	18	101,865	1,884.6	2,228,218	6,157,092.4	\$7,031.39	\$7,588.60
104.8	23	101,888	2,410.4	2,230,629	6,154,682.0	\$8,992.67	\$9,705.10
104.9	12	101,900	1,258.8	2,231,887	6,153,423.2	\$4,696.07	\$5,067.99
105	19	101,919	1,995.0	2,233,882	6,151,428.2	\$7,442.15	\$8,031.40
105.1	16	101,935	1,681.6	2,235,564	6,149,746.6	\$6,272.72	\$6,769.23
105.2	14	101,949	1,472.8	2,237,037	6,148,273.8	\$5,493.57	\$5,928.29
105.3	21	101,970	2,211.3	2,239,248	6,146,062.5	\$8,247.78	\$8,900.25
105.4	21	101,991	2,213.4	2,241,462	6,143,849.1	\$8,255.19	\$8,908.06
105.5	18	102,009	1,899.0	2,243,361	6,141,950.1	\$7,082.23	\$7,642.18
105.6	13	102,022	1,372.8	2,244,733	6,140,577.3	\$5,119.54	\$5,524.19
105.7	12	102,034	1,268.4	2,246,002	6,139,308.9	\$4,729.96	\$5,103.72
105.8	14	102,048	1,481.2	2,247,483	6,137,827.7	\$5,523.23	\$5,959.55
105.9	22	102,070	2,329.8	2,249,813	6,135,497.9	\$8,687.14	\$9,373.19
106	21	102,091	2,226.0	2,252,039	6,133,271.9	\$8,299.68	\$8,954.95
106.1	15	102,106	1,591.5	2,253,630	6,131,680.4	\$5,933.64	\$6,401.97
106.2	20	102,126	2,124.0	2,255,754	6,129,556.4	\$7,918.58	\$8,543.40
106.3	16	102,142	1,700.8	2,257,455	6,127,855.6	\$6,340.51	\$6,840.68
106.4	27	102,169	2,872.8	2,260,328	6,124,982.8	\$10,709.15	\$11,553.69
106.5	15	102,184	1,597.5	2,261,925	6,123,385.3	\$5,954.83	\$6,424.30
106.6	15	102,199	1,599.0	2,263,524	6,121,786.3	\$5,960.12	\$6,429.88
106.7	13	102,212	1,387.1	2,264,911	6,120,399.2	\$5,170.03	\$5,577.40
106.8	23	102,235	2,456.4	2,267,368	6,117,942.8	\$9,155.10	\$9,876.26
106.9	17	102,252	1,817.3	2,269,185	6,116,125.5	\$6,772.81	\$7,306.17
107	26	102,278	2,782.0	2,271,967	6,113,343.5	\$10,367.60	\$11,183.82
107.1	13	102,291	1,392.3	2,273,359	6,111,951.2	\$5,188.39	\$5,596.75
107.2	13	102,304	1,393.6	2,274,753	6,110,557.6	\$5,192.98	\$5,601.59
107.3	19	102,323	2,038.7	2,276,792	6,108,518.9	\$7,596.45	\$8,194.00
107.4	9	102,332	966.6	2,277,758	6,107,552.3	\$3,601.50	\$3,884.72
107.5	14	102,346	1,505.0	2,279,263	6,106,047.3	\$5,607.27	\$6,048.11
107.6	21	102,367	2,259.6	2,281,523	6,103,787.7	\$8,418.32	\$9,079.97
107.7	24	102,391	2,584.8	2,284,108	6,101,202.9	\$9,629.41	\$10,386.04

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
107.8	15	102,406	1,617.0	2,285,725	6,099,585.9	\$6,023.68	\$6,496.86
107.9	14	102,420	1,510.6	2,287,235	6,098,075.3	\$5,627.04	\$6,068.94
108	36	102,456	3,888.0	2,291,123	6,094,187.3	\$14,482.25	\$15,619.25
108.1	20	102,476	2,162.0	2,293,285	6,092,025.3	\$8,052.76	\$8,684.80
108.2	19	102,495	2,055.8	2,295,341	6,089,969.5	\$7,656.83	\$8,257.63
108.3	20	102,515	2,166.0	2,297,507	6,087,803.5	\$8,066.88	\$8,699.69
108.4	18	102,533	1,951.2	2,299,458	6,085,852.3	\$7,266.55	\$7,836.42
108.5	22	102,555	2,387.0	2,301,845	6,083,465.3	\$8,889.10	\$9,586.03
108.6	19	102,574	2,063.4	2,303,909	6,081,401.9	\$7,683.66	\$8,285.91
108.7	16	102,590	1,739.2	2,305,648	6,079,662.7	\$6,476.10	\$6,983.56
108.8	19	102,609	2,067.2	2,307,715	6,077,595.5	\$7,697.08	\$8,300.05
108.9	20	102,629	2,178.0	2,309,893	6,075,417.5	\$8,109.25	\$8,744.34
109	24	102,653	2,616.0	2,312,509	6,072,801.5	\$9,739.57	\$10,502.14
109.1	20	102,673	2,182.0	2,314,691	6,070,619.5	\$8,123.37	\$8,759.22
109.2	16	102,689	1,747.2	2,316,438	6,068,872.3	\$6,504.35	\$7,013.33
109.3	18	102,707	1,967.4	2,318,406	6,066,904.9	\$7,323.75	\$7,896.70
109.4	18	102,725	1,969.2	2,320,375	6,064,935.7	\$7,330.10	\$7,903.39
109.5	16	102,741	1,752.0	2,322,127	6,063,183.7	\$6,521.30	\$7,031.19
109.6	18	102,759	1,972.8	2,324,100	6,061,210.9	\$7,342.81	\$7,916.79
109.7	26	102,785	2,852.2	2,326,952	6,058,358.7	\$10,615.47	\$11,445.04
109.8	16	102,801	1,756.8	2,328,709	6,056,601.9	\$6,538.25	\$7,049.05
109.9	24	102,825	2,637.6	2,331,346	6,053,964.3	\$9,815.84	\$10,582.51
110	23	102,848	2,530.0	2,333,876	6,051,434.3	\$9,414.97	\$10,150.13
110.1	18	102,866	1,981.8	2,335,858	6,049,452.5	\$7,374.59	\$7,950.28
110.2	16	102,882	1,763.2	2,337,621	6,047,689.3	\$6,560.84	\$7,072.87
110.3	14	102,896	1,544.2	2,339,166	6,046,145.1	\$5,745.68	\$6,193.97
110.4	15	102,911	1,656.0	2,340,822	6,044,489.1	\$6,161.38	\$6,641.98
110.5	22	102,933	2,431.0	2,343,253	6,042,058.1	\$9,044.46	\$9,749.75
110.6	14	102,947	1,548.4	2,344,801	6,040,509.7	\$5,760.51	\$6,209.60
110.7	20	102,967	2,214.0	2,347,015	6,038,295.7	\$8,236.36	\$8,878.29
110.8	17	102,984	1,883.6	2,348,899	6,036,412.1	\$7,006.91	\$7,552.88
110.9	15	102,999	1,663.5	2,350,562	6,034,748.6	\$6,187.86	\$6,669.88
111	26	103,025	2,886.0	2,353,448	6,031,862.6	\$10,734.81	\$11,570.81
111.1	21	103,046	2,333.1	2,355,781	6,029,529.5	\$8,677.84	\$9,353.47
111.2	13	103,059	1,445.6	2,357,227	6,028,083.9	\$5,376.59	\$5,795.08
111.3	12	103,071	1,335.6	2,358,562	6,026,748.3	\$4,967.24	\$5,353.77
111.4	15	103,086	1,671.0	2,360,233	6,025,077.3	\$6,214.35	\$6,697.79
111.5	16	103,102	1,784.0	2,362,017	6,023,293.3	\$6,634.29	\$7,150.26
111.6	16	103,118	1,785.6	2,363,803	6,021,507.7	\$6,639.94	\$7,156.22
111.7	18	103,136	2,010.6	2,365,814	6,019,497.1	\$7,476.28	\$8,057.44
111.8	16	103,152	1,788.8	2,367,602	6,017,708.3	\$6,651.23	\$7,168.12
111.9	7	103,159	783.3	2,368,386	6,016,925.0	\$2,912.39	\$3,138.66
112	21	103,180	2,352.0	2,370,738	6,014,573.0	\$8,744.57	\$9,423.79
112.1	15	103,195	1,681.5	2,372,419	6,012,891.5	\$6,251.42	\$6,736.86
112.2	18	103,213	2,019.6	2,374,439	6,010,871.9	\$7,508.06	\$8,090.93
112.3	12	103,225	1,347.6	2,375,786	6,009,524.3	\$5,009.61	\$5,398.42
112.4	18	103,243	2,023.2	2,377,810	6,007,501.1	\$7,520.77	\$8,104.33
112.5	14	103,257	1,575.0	2,379,385	6,005,926.1	\$5,854.43	\$6,308.58
112.6	11	103,268	1,238.6	2,380,623	6,004,687.5	\$4,603.80	\$4,960.83

**RATE SCHEDULE NT (Commerical/Industrial - Choice)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
112.7	19	103,287	2,141.3	2,382,764	6,002,546.2	\$7,958.72	\$8,575.78
112.8	14	103,301	1,579.2	2,384,344	6,000,967.0	\$5,869.26	\$6,324.20
112.9	23	103,324	2,596.7	2,386,940	5,998,370.3	\$9,650.48	\$10,398.32
113	18	103,342	2,034.0	2,388,974	5,996,336.3	\$7,558.91	\$8,144.51
113.1	12	103,354	1,357.2	2,390,332	5,994,979.1	\$5,043.51	\$5,434.14
113.2	18	103,372	2,037.6	2,392,369	5,992,941.5	\$7,571.62	\$8,157.91
113.3	15	103,387	1,699.5	2,394,069	5,991,242.0	\$6,314.98	\$6,803.84
113.4	22	103,409	2,494.8	2,396,563	5,988,747.2	\$9,269.73	\$9,987.15
113.5	18	103,427	2,043.0	2,398,606	5,986,704.2	\$7,590.68	\$8,178.00
113.6	16	103,443	1,817.6	2,400,424	5,984,886.6	\$6,752.92	\$7,275.29
113.7	19	103,462	2,160.3	2,402,584	5,982,726.3	\$8,025.81	\$8,646.48
113.8	18	103,480	2,048.4	2,404,633	5,980,677.9	\$7,609.75	\$8,198.10
113.9	22	103,502	2,505.8	2,407,139	5,978,172.1	\$9,308.57	\$10,028.08
114	24	103,526	2,736.0	2,409,875	5,975,436.1	\$10,163.28	\$10,948.66
114.1	10	103,536	1,141.0	2,411,016	5,974,295.1	\$4,238.23	\$4,565.66
114.2	13	103,549	1,484.6	2,412,500	5,972,810.5	\$5,514.29	\$5,940.20
114.3	14	103,563	1,600.2	2,414,100	5,971,210.3	\$5,943.41	\$6,402.34
114.4	10	103,573	1,144.0	2,415,244	5,970,066.3	\$4,248.82	\$4,576.82
114.5	14	103,587	1,603.0	2,416,847	5,968,463.3	\$5,953.30	\$6,412.76
114.6	19	103,606	2,177.4	2,419,025	5,966,285.9	\$8,086.18	\$8,710.11
114.7	15	103,621	1,720.5	2,420,745	5,964,565.4	\$6,389.13	\$6,881.98
114.8	24	103,645	2,755.2	2,423,500	5,961,810.2	\$10,231.08	\$11,020.10
114.9	17	103,662	1,953.3	2,425,454	5,959,856.9	\$7,253.01	\$7,812.23
115	28	103,690	3,220.0	2,428,674	5,956,636.9	\$11,956.03	\$12,877.62
115.1	11	103,701	1,266.1	2,429,940	5,955,370.8	\$4,700.89	\$5,063.16
115.2	8	103,709	921.6	2,430,861	5,954,449.2	\$3,421.66	\$3,685.27
115.3	15	103,724	1,729.5	2,432,591	5,952,719.7	\$6,420.90	\$6,915.47
115.4	16	103,740	1,846.4	2,434,437	5,950,873.3	\$6,854.61	\$7,382.45
115.5	24	103,764	2,772.0	2,437,209	5,948,101.3	\$10,290.39	\$11,082.61
115.6	15	103,779	1,734.0	2,438,943	5,946,367.3	\$6,436.79	\$6,932.21
115.7	21	103,800	2,429.7	2,441,373	5,943,937.6	\$9,018.93	\$9,712.91
115.8	13	103,813	1,505.4	2,442,878	5,942,432.2	\$5,587.73	\$6,017.59
115.9	19	103,832	2,202.1	2,445,081	5,940,230.1	\$8,173.40	\$8,802.01
116	17	103,849	1,972.0	2,447,053	5,938,258.1	\$7,319.04	\$7,881.81
116.1	14	103,863	1,625.4	2,448,678	5,936,632.7	\$6,032.39	\$6,496.11
116.2	12	103,875	1,394.4	2,450,072	5,935,238.3	\$5,174.86	\$5,572.56
116.3	11	103,886	1,279.3	2,451,352	5,933,959.0	\$4,747.50	\$5,112.28
116.4	10	103,896	1,164.0	2,452,516	5,932,795.0	\$4,319.44	\$4,651.24
116.5	14	103,910	1,631.0	2,454,147	5,931,164.0	\$6,052.16	\$6,516.95
116.6	21	103,931	2,448.6	2,456,595	5,928,715.4	\$9,085.66	\$9,783.24
116.7	15	103,946	1,750.5	2,458,346	5,926,964.9	\$6,495.05	\$6,993.61
116.8	15	103,961	1,752.0	2,460,098	5,925,212.9	\$6,500.35	\$6,999.19
116.9	15	103,976	1,753.5	2,461,851	5,923,459.4	\$6,505.65	\$7,004.77
117	28	104,004	3,276.0	2,465,127	5,920,183.4	\$12,153.76	\$13,086.00
117.1	8	104,012	936.8	2,466,064	5,919,246.6	\$3,475.33	\$3,741.83
117.2	15	104,027	1,758.0	2,467,822	5,917,488.6	\$6,521.53	\$7,021.52
117.3	11	104,038	1,290.3	2,469,112	5,916,198.3	\$4,786.34	\$5,153.21
117.4	9	104,047	1,056.6	2,470,169	5,915,141.7	\$3,919.28	\$4,219.61
117.5	18	104,065	2,115.0	2,472,284	5,913,026.7	\$7,844.91	\$8,445.92

**RATE SCHEDULE NT (Commerical/Industrial - Choice)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
117.6	24	104,089	2,822.4	2,475,106	5,910,204.3	\$10,468.35	\$11,270.15
117.7	16	104,105	1,883.2	2,476,990	5,908,321.1	\$6,984.55	\$7,519.39
117.8	16	104,121	1,884.8	2,478,874	5,906,436.3	\$6,990.20	\$7,525.34
117.9	11	104,132	1,296.9	2,480,171	5,905,139.4	\$4,809.65	\$5,177.76
118	22	104,154	2,596.0	2,482,767	5,902,543.4	\$9,627.06	\$10,363.72
118.1	8	104,162	944.8	2,483,712	5,901,598.6	\$3,503.57	\$3,771.60
118.2	13	104,175	1,536.6	2,485,249	5,900,062.0	\$5,697.90	\$6,133.69
118.3	18	104,193	2,129.4	2,487,378	5,897,932.6	\$7,895.75	\$8,499.50
118.4	13	104,206	1,539.2	2,488,917	5,896,393.4	\$5,707.08	\$6,143.36
118.5	9	104,215	1,066.5	2,489,984	5,895,326.9	\$3,954.23	\$4,256.45
118.6	13	104,228	1,541.8	2,491,526	5,893,785.1	\$5,716.26	\$6,153.04
118.7	9	104,237	1,068.3	2,492,594	5,892,716.8	\$3,960.59	\$4,263.14
118.8	3	104,240	356.4	2,492,950	5,892,360.4	\$1,321.26	\$1,422.16
118.9	14	104,254	1,664.6	2,494,615	5,890,695.8	\$6,170.80	\$6,641.98
119	26	104,280	3,094.0	2,497,709	5,887,601.8	\$11,469.24	\$12,344.77
119.1	20	104,300	2,382.0	2,500,091	5,885,219.8	\$8,829.55	\$9,503.42
119.2	22	104,322	2,622.4	2,502,713	5,882,597.4	\$9,720.28	\$10,461.95
119.3	16	104,338	1,908.8	2,504,622	5,880,688.6	\$7,074.94	\$7,614.64
119.4	17	104,355	2,029.8	2,506,652	5,878,658.8	\$7,523.13	\$8,096.89
119.5	19	104,374	2,270.5	2,508,922	5,876,388.3	\$8,414.91	\$9,056.53
119.6	20	104,394	2,392.0	2,511,314	5,873,996.3	\$8,864.86	\$9,540.63
119.7	16	104,410	1,915.2	2,513,230	5,872,081.1	\$7,097.54	\$7,638.46
119.8	18	104,428	2,156.4	2,515,386	5,869,924.7	\$7,991.09	\$8,599.96
119.9	14	104,442	1,678.6	2,517,065	5,868,246.1	\$6,220.23	\$6,694.07
120	27	104,469	3,240.0	2,520,305	5,865,006.1	\$12,005.70	\$12,920.04
120.1	12	104,481	1,441.2	2,521,746	5,863,564.9	\$5,340.10	\$5,746.71
120.2	12	104,493	1,442.4	2,523,188	5,862,122.5	\$5,344.34	\$5,751.17
120.3	10	104,503	1,203.0	2,524,391	5,860,919.5	\$4,457.15	\$4,796.36
120.4	18	104,521	2,167.2	2,526,558	5,858,752.3	\$8,029.22	\$8,640.15
120.5	14	104,535	1,687.0	2,528,245	5,857,065.3	\$6,249.89	\$6,725.33
120.6	19	104,554	2,291.4	2,530,537	5,854,773.9	\$8,488.71	\$9,134.30
120.7	14	104,568	1,689.8	2,532,227	5,853,084.1	\$6,259.78	\$6,735.75
120.8	9	104,577	1,087.2	2,533,314	5,851,996.9	\$4,027.32	\$4,333.47
120.9	17	104,594	2,055.3	2,535,369	5,849,941.6	\$7,613.17	\$8,191.77
121	17	104,611	2,057.0	2,537,426	5,847,884.6	\$7,619.17	\$8,198.10
121.1	18	104,629	2,179.8	2,539,606	5,845,704.8	\$8,073.71	\$8,687.04
121.2	13	104,642	1,575.6	2,541,181	5,844,129.2	\$5,835.60	\$6,278.81
121.3	22	104,664	2,668.6	2,543,850	5,841,460.6	\$9,883.40	\$10,633.86
121.4	14	104,678	1,699.6	2,545,550	5,839,761.0	\$6,294.38	\$6,772.21
121.5	9	104,687	1,093.5	2,546,643	5,838,667.5	\$4,049.57	\$4,356.91
121.6	16	104,703	1,945.6	2,548,589	5,836,721.9	\$7,204.88	\$7,751.58
121.7	20	104,723	2,434.0	2,551,023	5,834,287.9	\$9,013.16	\$9,696.91
121.8	12	104,735	1,461.6	2,552,484	5,832,826.3	\$5,412.13	\$5,822.61
121.9	22	104,757	2,681.8	2,555,166	5,830,144.5	\$9,930.01	\$10,682.98
122	15	104,772	1,830.0	2,556,996	5,828,314.5	\$6,775.76	\$7,289.43
122.1	9	104,781	1,098.9	2,558,095	5,827,215.6	\$4,068.63	\$4,377.01
122.2	12	104,793	1,466.4	2,559,561	5,825,749.2	\$5,429.08	\$5,840.47
122.3	15	104,808	1,834.5	2,561,396	5,823,914.7	\$6,791.65	\$7,306.17
122.4	13	104,821	1,591.2	2,562,987	5,822,323.5	\$5,890.69	\$6,336.86

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
122.5	12	104,833	1,470.0	2,564,457	5,820,853.5	\$5,441.79	\$5,853.87
122.6	18	104,851	2,206.8	2,566,664	5,818,646.7	\$8,169.05	\$8,787.50
122.7	10	104,861	1,227.0	2,567,891	5,817,419.7	\$4,541.89	\$4,885.67
122.8	14	104,875	1,719.2	2,569,610	5,815,700.5	\$6,363.59	\$6,845.14
122.9	14	104,889	1,720.6	2,571,331	5,813,979.9	\$6,368.53	\$6,850.35
123	16	104,905	1,968.0	2,573,299	5,812,011.9	\$7,283.97	\$7,834.93
123.1	16	104,921	1,969.6	2,575,268	5,810,042.3	\$7,289.62	\$7,840.88
123.2	18	104,939	2,217.6	2,577,486	5,807,824.7	\$8,207.18	\$8,827.69
123.3	15	104,954	1,849.5	2,579,335	5,805,975.2	\$6,844.61	\$7,361.99
123.4	13	104,967	1,604.2	2,580,940	5,804,371.0	\$5,936.59	\$6,385.23
123.5	13	104,980	1,605.5	2,582,545	5,802,765.5	\$5,941.18	\$6,390.07
123.6	12	104,992	1,483.2	2,584,028	5,801,282.3	\$5,488.40	\$5,902.99
123.7	15	105,007	1,855.5	2,585,884	5,799,426.8	\$6,865.80	\$7,384.32
123.8	19	105,026	2,352.2	2,588,236	5,797,074.6	\$8,703.39	\$9,360.54
123.9	21	105,047	2,601.9	2,590,838	5,794,472.7	\$9,626.95	\$10,353.67
124	20	105,067	2,480.0	2,593,318	5,791,992.7	\$9,175.58	\$9,868.08
124.1	19	105,086	2,357.9	2,595,676	5,789,634.8	\$8,723.51	\$9,381.75
124.2	15	105,101	1,863.0	2,597,539	5,787,771.8	\$6,892.28	\$7,412.22
124.3	21	105,122	2,610.3	2,600,149	5,785,161.5	\$9,656.61	\$10,384.93
124.4	11	105,133	1,368.4	2,601,518	5,783,793.1	\$5,062.11	\$5,443.82
124.5	13	105,146	1,618.5	2,603,136	5,782,174.6	\$5,987.08	\$6,438.44
124.6	17	105,163	2,118.2	2,605,254	5,780,056.4	\$7,835.26	\$8,425.82
124.7	11	105,174	1,371.7	2,606,626	5,778,684.7	\$5,073.76	\$5,456.10
124.8	10	105,184	1,248.0	2,607,874	5,777,436.7	\$4,616.04	\$4,963.81
124.9	14	105,198	1,748.6	2,609,623	5,775,688.1	\$6,467.40	\$6,954.54
125	23	105,221	2,875.0	2,612,498	5,772,813.1	\$10,633.13	\$11,433.88
125.1	17	105,238	2,126.7	2,614,624	5,770,686.4	\$7,865.27	\$8,457.45
125.2	24	105,262	3,004.8	2,617,629	5,767,681.6	\$11,112.39	\$11,948.86
125.3	10	105,272	1,253.0	2,618,882	5,766,428.6	\$4,633.69	\$4,982.41
125.4	15	105,287	1,881.0	2,620,763	5,764,547.6	\$6,955.84	\$7,479.20
125.5	13	105,300	1,631.5	2,622,395	5,762,916.1	\$6,032.98	\$6,486.81
125.6	12	105,312	1,507.2	2,623,902	5,761,408.9	\$5,573.14	\$5,992.29
125.7	16	105,328	2,011.2	2,625,913	5,759,397.7	\$7,436.51	\$7,995.68
125.8	14	105,342	1,761.2	2,627,674	5,757,636.5	\$6,511.89	\$7,001.43
125.9	17	105,359	2,140.3	2,629,814	5,755,496.2	\$7,913.29	\$8,508.06
126	18	105,377	2,268.0	2,632,082	5,753,228.2	\$8,385.14	\$9,015.23
126.1	11	105,388	1,387.1	2,633,470	5,751,841.1	\$5,128.13	\$5,513.40
126.2	9	105,397	1,135.8	2,634,605	5,750,705.3	\$4,198.92	\$4,514.31
126.3	18	105,415	2,273.4	2,636,879	5,748,431.9	\$8,404.20	\$9,035.32
126.4	13	105,428	1,643.2	2,638,522	5,746,788.7	\$6,074.29	\$6,530.35
126.5	15	105,443	1,897.5	2,640,419	5,744,891.2	\$7,014.10	\$7,540.60
126.6	15	105,458	1,899.0	2,642,318	5,742,992.2	\$7,019.39	\$7,546.18
126.7	25	105,483	3,167.5	2,645,486	5,739,824.7	\$11,707.81	\$12,586.27
126.8	13	105,496	1,648.4	2,647,134	5,738,176.3	\$6,092.65	\$6,549.70
126.9	14	105,510	1,776.6	2,648,911	5,736,399.7	\$6,566.26	\$7,058.73
127	18	105,528	2,286.0	2,651,197	5,734,113.7	\$8,448.69	\$9,082.21
127.1	9	105,537	1,143.9	2,652,341	5,732,969.8	\$4,227.52	\$4,544.45
127.2	11	105,548	1,399.2	2,653,740	5,731,570.6	\$5,170.86	\$5,558.42
127.3	10	105,558	1,273.0	2,655,013	5,730,297.6	\$4,704.31	\$5,056.83

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
127.4	13	105,571	1,656.2	2,656,669	5,728,641.4	\$6,120.19	\$6,578.72
127.5	20	105,591	2,550.0	2,659,219	5,726,091.4	\$9,422.75	\$10,128.55
127.6	17	105,608	2,169.2	2,661,388	5,723,922.2	\$8,015.34	\$8,615.59
127.7	21	105,629	2,681.7	2,664,070	5,721,240.5	\$9,908.71	\$10,650.61
127.8	21	105,650	2,683.8	2,666,754	5,718,556.7	\$9,916.13	\$10,658.42
127.9	13	105,663	1,662.7	2,668,417	5,716,894.0	\$6,143.14	\$6,602.91
128	11	105,674	1,408.0	2,669,825	5,715,486.0	\$5,201.93	\$5,591.17
128.1	15	105,689	1,921.5	2,671,746	5,713,564.5	\$7,098.84	\$7,629.90
128.2	6	105,695	769.2	2,672,515	5,712,795.3	\$2,841.65	\$3,054.19
128.3	11	105,706	1,411.3	2,673,927	5,711,384.0	\$5,213.58	\$5,603.45
128.4	14	105,720	1,797.6	2,675,724	5,709,586.4	\$6,640.41	\$7,136.87
128.5	12	105,732	1,542.0	2,677,266	5,708,044.4	\$5,696.02	\$6,121.78
128.6	12	105,744	1,543.2	2,678,809	5,706,501.2	\$5,700.25	\$6,126.25
128.7	12	105,756	1,544.4	2,680,354	5,704,956.8	\$5,704.49	\$6,130.71
128.8	17	105,773	2,189.6	2,682,543	5,702,767.2	\$8,087.37	\$8,691.50
128.9	8	105,781	1,031.2	2,683,575	5,701,736.0	\$3,808.64	\$4,093.10
129	19	105,800	2,451.0	2,686,026	5,699,285.0	\$9,052.24	\$9,728.17
129.1	17	105,817	2,194.7	2,688,220	5,697,090.3	\$8,105.37	\$8,710.48
129.2	12	105,829	1,550.4	2,689,771	5,695,539.9	\$5,725.68	\$6,153.04
129.3	14	105,843	1,810.2	2,691,581	5,693,729.7	\$6,684.90	\$7,183.75
129.4	8	105,851	1,035.2	2,692,616	5,692,694.5	\$3,822.77	\$4,107.98
129.5	17	105,868	2,201.5	2,694,818	5,690,493.0	\$8,129.38	\$8,735.78
129.6	17	105,885	2,203.2	2,697,021	5,688,289.8	\$8,135.39	\$8,742.11
129.7	24	105,909	3,112.8	2,700,134	5,685,177.0	\$11,493.73	\$12,350.73
129.8	14	105,923	1,817.2	2,701,951	5,683,359.8	\$6,709.62	\$7,209.80
129.9	16	105,939	2,078.4	2,704,029	5,681,281.4	\$7,673.78	\$8,245.73
130	22	105,961	2,860.0	2,706,889	5,678,421.4	\$10,559.22	\$11,346.06
130.1	14	105,975	1,821.4	2,708,711	5,676,600.0	\$6,724.45	\$7,225.43
130.2	14	105,989	1,822.8	2,710,533	5,674,777.2	\$6,729.39	\$7,230.64
130.3	14	106,003	1,824.2	2,712,358	5,672,953.0	\$6,734.33	\$7,235.85
130.4	16	106,019	2,086.4	2,714,444	5,670,866.6	\$7,702.03	\$8,275.49
130.5	16	106,035	2,088.0	2,716,532	5,668,778.6	\$7,707.68	\$8,281.45
130.6	10	106,045	1,306.0	2,717,838	5,667,472.6	\$4,820.83	\$5,179.63
130.7	8	106,053	1,045.6	2,718,884	5,666,427.0	\$3,859.49	\$4,146.68
130.8	15	106,068	1,962.0	2,720,846	5,664,465.0	\$7,241.84	\$7,780.60
130.9	17	106,085	2,225.3	2,723,071	5,662,239.7	\$8,213.42	\$8,824.34
131	13	106,098	1,703.0	2,724,774	5,660,536.7	\$6,285.44	\$6,752.86
131.1	11	106,109	1,442.1	2,726,216	5,659,094.6	\$5,322.33	\$5,718.05
131.2	10	106,119	1,312.0	2,727,528	5,657,782.6	\$4,842.02	\$5,201.95
131.3	14	106,133	1,838.2	2,729,366	5,655,944.4	\$6,783.77	\$7,287.94
131.4	6	106,139	788.4	2,730,155	5,655,156.0	\$2,909.45	\$3,125.64
131.5	13	106,152	1,709.5	2,731,864	5,653,446.5	\$6,308.39	\$6,777.05
131.6	12	106,164	1,579.2	2,733,443	5,651,867.3	\$5,827.37	\$6,260.20
131.7	13	106,177	1,712.1	2,735,155	5,650,155.2	\$6,317.57	\$6,786.72
131.8	11	106,188	1,449.8	2,736,605	5,648,705.4	\$5,349.52	\$5,746.71
131.9	15	106,203	1,978.5	2,738,584	5,646,726.9	\$7,300.10	\$7,842.00
132	20	106,223	2,640.0	2,741,224	5,644,086.9	\$9,740.53	\$10,463.44
132.1	3	106,226	396.3	2,741,620	5,643,690.6	\$1,462.14	\$1,570.63
132.2	16	106,242	2,115.2	2,743,735	5,641,575.4	\$7,803.72	\$8,382.66

**RATE SCHEDULE NT (Commerical/Industrial - Choice)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
132.3	11	106,253	1,455.3	2,745,191	5,640,120.1	\$5,368.94	\$5,767.17
132.4	13	106,266	1,721.2	2,746,912	5,638,398.9	\$6,349.70	\$6,820.59
132.5	11	106,277	1,457.5	2,748,369	5,636,941.4	\$5,376.71	\$5,775.36
132.6	14	106,291	1,856.4	2,750,226	5,635,085.0	\$6,848.03	\$7,355.66
132.7	11	106,302	1,459.7	2,751,685	5,633,625.3	\$5,384.48	\$5,783.54
132.8	11	106,313	1,460.8	2,753,146	5,632,164.5	\$5,388.36	\$5,787.64
132.9	10	106,323	1,329.0	2,754,475	5,630,835.5	\$4,902.04	\$5,265.21
133	18	106,341	2,394.0	2,756,869	5,628,441.5	\$8,830.03	\$9,484.07
133.1	11	106,352	1,464.1	2,758,333	5,626,977.4	\$5,400.01	\$5,799.92
133.2	15	106,367	1,998.0	2,760,331	5,624,979.4	\$7,368.95	\$7,914.56
133.3	11	106,378	1,466.3	2,761,798	5,623,513.1	\$5,407.78	\$5,808.10
133.4	12	106,390	1,600.8	2,763,398	5,621,912.3	\$5,903.63	\$6,340.58
133.5	10	106,400	1,335.0	2,764,733	5,620,577.3	\$4,923.23	\$5,287.54
133.6	6	106,406	801.6	2,765,535	5,619,775.7	\$2,956.05	\$3,174.75
133.7	13	106,419	1,738.1	2,767,273	5,618,037.6	\$6,409.37	\$6,883.47
133.8	19	106,438	2,542.2	2,769,815	5,615,495.4	\$9,374.26	\$10,067.53
133.9	6	106,444	803.4	2,770,619	5,614,692.0	\$2,962.41	\$3,181.45
134	16	106,460	2,144.0	2,772,763	5,612,548.0	\$7,905.41	\$8,489.82
134.1	11	106,471	1,475.1	2,774,238	5,611,072.9	\$5,438.85	\$5,840.85
134.2	10	106,481	1,342.0	2,775,580	5,609,730.9	\$4,947.94	\$5,313.58
134.3	12	106,493	1,611.6	2,777,191	5,608,119.3	\$5,941.77	\$6,380.76
134.4	13	106,506	1,747.2	2,778,939	5,606,372.1	\$6,441.51	\$6,917.33
134.5	16	106,522	2,152.0	2,781,091	5,604,220.1	\$7,933.66	\$8,519.59
134.6	11	106,533	1,480.6	2,782,571	5,602,739.5	\$5,458.27	\$5,861.31
134.7	7	106,540	942.9	2,783,514	5,601,796.6	\$3,475.92	\$3,732.53
134.8	16	106,556	2,156.8	2,785,671	5,599,639.8	\$7,950.61	\$8,537.45
134.9	15	106,571	2,023.5	2,787,694	5,597,616.3	\$7,458.99	\$8,009.44
135	17	106,588	2,295.0	2,789,989	5,595,321.3	\$8,459.52	\$9,083.70
135.1	18	106,606	2,431.8	2,792,421	5,592,889.5	\$8,963.50	\$9,624.73
135.2	13	106,619	1,757.6	2,794,179	5,591,131.9	\$6,478.23	\$6,956.03
135.3	18	106,637	2,435.4	2,796,614	5,588,696.5	\$8,976.21	\$9,638.12
135.4	15	106,652	2,031.0	2,798,645	5,586,665.5	\$7,485.47	\$8,037.35
135.5	17	106,669	2,303.5	2,800,949	5,584,362.0	\$8,489.54	\$9,115.32
135.6	9	106,678	1,220.4	2,802,169	5,583,141.6	\$4,497.64	\$4,829.11
135.7	11	106,689	1,492.7	2,803,662	5,581,648.9	\$5,501.00	\$5,906.34
135.8	10	106,699	1,358.0	2,805,020	5,580,290.9	\$5,004.44	\$5,373.12
135.9	8	106,707	1,087.2	2,806,107	5,579,203.7	\$4,006.37	\$4,301.47
136	7	106,714	952.0	2,807,059	5,578,251.7	\$3,508.05	\$3,766.39
136.1	13	106,727	1,769.3	2,808,828	5,576,482.4	\$6,519.54	\$6,999.57
136.2	13	106,740	1,770.6	2,810,599	5,574,711.8	\$6,524.13	\$7,004.40
136.3	16	106,756	2,180.8	2,812,780	5,572,531.0	\$8,035.35	\$8,626.76
136.4	11	106,767	1,500.4	2,814,280	5,571,030.6	\$5,528.18	\$5,934.99
136.5	12	106,779	1,638.0	2,815,918	5,569,392.6	\$6,034.98	\$6,479.00
136.6	8	106,787	1,092.8	2,817,011	5,568,299.8	\$4,026.15	\$4,322.31
136.7	10	106,797	1,367.0	2,818,378	5,566,932.8	\$5,036.22	\$5,406.61
136.8	15	106,812	2,052.0	2,820,430	5,564,880.8	\$7,559.62	\$8,115.49
136.9	11	106,823	1,505.9	2,821,936	5,563,374.9	\$5,547.60	\$5,955.45
137	17	106,840	2,329.0	2,824,265	5,561,045.9	\$8,579.57	\$9,210.21
137.1	6	106,846	822.6	2,825,087	5,560,223.3	\$3,030.20	\$3,252.89



## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
137.2	9	106,855	1,234.8	2,826,322	5,558,988.5	\$4,548.48	\$4,882.69
137.3	15	106,870	2,059.5	2,828,382	5,556,929.0	\$7,586.10	\$8,143.40
137.4	18	106,888	2,473.2	2,830,855	5,554,455.8	\$9,109.68	\$9,778.78
137.5	12	106,900	1,650.0	2,832,505	5,552,805.8	\$6,077.36	\$6,523.65
137.6	12	106,912	1,651.2	2,834,156	5,551,154.6	\$6,081.59	\$6,528.12
137.7	12	106,924	1,652.4	2,835,808	5,549,502.2	\$6,085.83	\$6,532.58
137.8	12	106,936	1,653.6	2,837,462	5,547,848.6	\$6,090.07	\$6,537.05
137.9	7	106,943	965.3	2,838,427	5,546,883.3	\$3,555.01	\$3,815.88
138	20	106,963	2,760.0	2,841,187	5,544,123.3	\$10,164.23	\$10,909.96
138.1	13	106,976	1,795.3	2,842,983	5,542,328.0	\$6,611.34	\$7,096.31
138.2	15	106,991	2,073.0	2,845,056	5,540,255.0	\$7,633.77	\$8,193.63
138.3	12	107,003	1,659.6	2,846,715	5,538,595.4	\$6,111.25	\$6,559.37
138.4	13	107,016	1,799.2	2,848,514	5,536,796.2	\$6,625.11	\$7,110.82
138.5	10	107,026	1,385.0	2,849,899	5,535,411.2	\$5,099.77	\$5,473.59
138.6	9	107,035	1,247.4	2,851,147	5,534,163.8	\$4,592.97	\$4,929.58
138.7	12	107,047	1,664.4	2,852,811	5,532,499.4	\$6,128.20	\$6,577.23
138.8	15	107,062	2,082.0	2,854,893	5,530,417.4	\$7,665.55	\$8,227.12
138.9	4	107,066	555.6	2,855,449	5,529,861.8	\$2,045.56	\$2,195.39
139	16	107,082	2,224.0	2,857,673	5,527,637.8	\$8,187.88	\$8,787.50
139.1	6	107,088	834.6	2,858,507	5,526,803.2	\$3,072.57	\$3,297.55
139.2	14	107,102	1,948.8	2,860,456	5,524,854.4	\$7,174.28	\$7,699.48
139.3	10	107,112	1,393.0	2,861,849	5,523,461.4	\$5,128.02	\$5,503.35
139.4	10	107,122	1,394.0	2,863,243	5,522,067.4	\$5,131.55	\$5,507.07
139.5	14	107,136	1,953.0	2,865,196	5,520,114.4	\$7,189.11	\$7,715.11
139.6	13	107,149	1,814.8	2,867,011	5,518,299.6	\$6,680.19	\$7,168.87
139.7	12	107,161	1,676.4	2,868,687	5,516,623.2	\$6,170.57	\$6,621.88
139.8	17	107,178	2,376.6	2,871,064	5,514,246.6	\$8,747.64	\$9,387.33
139.9	7	107,185	979.3	2,872,043	5,513,267.3	\$3,604.44	\$3,867.98
140	19	107,204	2,660.0	2,874,703	5,510,607.3	\$9,790.20	\$10,505.86
140.1	11	107,215	1,541.1	2,876,244	5,509,066.2	\$5,671.89	\$6,086.43
140.2	14	107,229	1,962.8	2,878,207	5,507,103.4	\$7,223.72	\$7,751.58
140.3	9	107,238	1,262.7	2,879,470	5,505,840.7	\$4,646.99	\$4,986.51
140.4	13	107,251	1,825.2	2,881,295	5,504,015.5	\$6,716.92	\$7,207.57
140.5	15	107,266	2,107.5	2,883,403	5,501,908.0	\$7,755.58	\$8,322.01
140.6	14	107,280	1,968.4	2,885,371	5,499,939.6	\$7,243.49	\$7,772.42
140.7	8	107,288	1,125.6	2,886,497	5,498,814.0	\$4,141.96	\$4,444.36
140.8	10	107,298	1,408.0	2,887,905	5,497,406.0	\$5,180.98	\$5,559.17
140.9	20	107,318	2,818.0	2,890,723	5,494,588.0	\$10,369.03	\$11,125.78
141	20	107,338	2,820.0	2,893,543	5,491,768.0	\$10,376.09	\$11,133.22
141.1	13	107,351	1,834.3	2,895,377	5,489,933.7	\$6,749.05	\$7,241.43
141.2	8	107,359	1,129.6	2,896,507	5,488,804.1	\$4,156.08	\$4,459.24
141.3	5	107,364	706.5	2,897,213	5,488,097.6	\$2,599.32	\$2,788.89
141.4	8	107,372	1,131.2	2,898,344	5,486,966.4	\$4,161.73	\$4,465.20
141.5	15	107,387	2,122.5	2,900,467	5,484,843.9	\$7,808.55	\$8,377.82
141.6	7	107,394	991.2	2,901,458	5,483,852.7	\$3,646.46	\$3,912.26
141.7	8	107,402	1,133.6	2,902,592	5,482,719.1	\$4,170.21	\$4,474.13
141.8	12	107,414	1,701.6	2,904,293	5,481,017.5	\$6,259.55	\$6,715.65
141.9	8	107,422	1,135.2	2,905,428	5,479,882.3	\$4,175.86	\$4,480.08
142	17	107,439	2,414.0	2,907,842	5,477,468.3	\$8,879.70	\$9,526.49

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
142.1	12	107,451	1,705.2	2,909,548	5,475,763.1	\$6,272.26	\$6,729.05
142.2	17	107,468	2,417.4	2,911,965	5,473,345.7	\$8,891.71	\$9,539.15
142.3	10	107,478	1,423.0	2,913,388	5,471,922.7	\$5,233.95	\$5,614.98
142.4	10	107,488	1,424.0	2,914,812	5,470,498.7	\$5,237.48	\$5,618.70
142.5	10	107,498	1,425.0	2,916,237	5,469,073.7	\$5,241.01	\$5,622.43
142.6	17	107,515	2,424.2	2,918,661	5,466,649.5	\$8,915.72	\$9,564.45
142.7	10	107,525	1,427.0	2,920,088	5,465,222.5	\$5,248.07	\$5,629.87
142.8	13	107,538	1,856.4	2,921,945	5,463,366.1	\$6,827.08	\$7,323.66
142.9	10	107,548	1,429.0	2,923,374	5,461,937.1	\$5,255.13	\$5,637.31
143	13	107,561	1,859.0	2,925,233	5,460,078.1	\$6,836.26	\$7,333.34
143.1	10	107,571	1,431.0	2,926,664	5,458,647.1	\$5,262.19	\$5,644.75
143.2	13	107,584	1,861.6	2,928,525	5,456,785.5	\$6,845.44	\$7,343.01
143.3	9	107,593	1,289.7	2,929,815	5,455,495.8	\$4,742.33	\$5,086.97
143.4	14	107,607	2,007.6	2,931,822	5,453,488.2	\$7,381.90	\$7,918.28
143.5	5	107,612	717.5	2,932,540	5,452,770.7	\$2,638.16	\$2,829.82
143.6	14	107,626	2,010.4	2,934,550	5,450,760.3	\$7,391.79	\$7,928.70
143.7	11	107,637	1,580.7	2,936,131	5,449,179.6	\$5,811.72	\$6,233.78
143.8	12	107,649	1,725.6	2,937,857	5,447,454.0	\$6,344.29	\$6,804.96
143.9	14	107,663	2,014.6	2,939,871	5,445,439.4	\$7,406.62	\$7,944.33
144	8	107,671	1,152.0	2,941,023	5,444,287.4	\$4,235.18	\$4,542.59
144.1	14	107,685	2,017.4	2,943,041	5,442,270.0	\$7,416.50	\$7,954.75
144.2	12	107,697	1,730.4	2,944,771	5,440,539.6	\$6,361.24	\$6,822.82
144.3	11	107,708	1,587.3	2,946,358	5,438,952.3	\$5,835.02	\$6,258.34
144.4	13	107,721	1,877.2	2,948,236	5,437,075.1	\$6,900.52	\$7,401.06
144.5	13	107,734	1,878.5	2,950,114	5,435,196.6	\$6,905.11	\$7,405.90
144.6	6	107,740	867.6	2,950,982	5,434,329.0	\$3,189.09	\$3,420.34
144.7	10	107,750	1,447.0	2,952,429	5,432,882.0	\$5,318.69	\$5,704.29
144.8	17	107,767	2,461.6	2,954,890	5,430,420.4	\$9,047.77	\$9,703.61
144.9	12	107,779	1,738.8	2,956,629	5,428,681.6	\$6,390.90	\$6,854.07
145	18	107,797	2,610.0	2,959,239	5,426,071.6	\$9,592.70	\$10,287.81
145.1	11	107,808	1,596.1	2,960,835	5,424,475.5	\$5,866.09	\$6,291.09
145.2	14	107,822	2,032.8	2,962,868	5,422,442.7	\$7,470.88	\$8,012.05
145.3	16	107,838	2,324.8	2,965,193	5,420,117.9	\$8,543.80	\$9,162.58
145.4	6	107,844	872.4	2,966,065	5,419,245.5	\$3,206.04	\$3,438.20
145.5	10	107,854	1,455.0	2,967,520	5,417,790.5	\$5,346.93	\$5,734.06
145.6	14	107,868	2,038.4	2,969,559	5,415,752.1	\$7,490.65	\$8,032.89
145.7	13	107,881	1,894.1	2,971,453	5,413,858.0	\$6,960.20	\$7,463.95
145.8	15	107,896	2,187.0	2,973,640	5,411,671.0	\$8,036.29	\$8,617.83
145.9	5	107,901	729.5	2,974,369	5,410,941.5	\$2,680.53	\$2,874.47
146	12	107,913	1,752.0	2,976,121	5,409,189.5	\$6,437.51	\$6,903.19
146.1	16	107,929	2,337.6	2,978,459	5,406,851.9	\$8,588.99	\$9,210.21
146.2	9	107,938	1,315.8	2,979,775	5,405,536.1	\$4,834.49	\$5,184.09
146.3	11	107,949	1,609.3	2,981,384	5,403,926.8	\$5,912.70	\$6,340.21
146.4	8	107,957	1,171.2	2,982,555	5,402,755.6	\$4,302.97	\$4,614.04
146.5	13	107,970	1,904.5	2,984,460	5,400,851.1	\$6,996.92	\$7,502.64
146.6	11	107,981	1,612.6	2,986,072	5,399,238.5	\$5,924.35	\$6,352.48
146.7	11	107,992	1,613.7	2,987,686	5,397,624.8	\$5,928.24	\$6,356.58
146.8	9	108,001	1,321.2	2,989,007	5,396,303.6	\$4,853.55	\$5,204.19
146.9	8	108,009	1,175.2	2,990,182	5,395,128.4	\$4,317.09	\$4,628.92

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
147	19	108,028	2,793.0	2,992,975	5,392,335.4	\$10,259.81	\$11,000.75
147.1	7	108,035	1,029.7	2,994,005	5,391,305.7	\$3,782.40	\$4,055.51
147.2	12	108,047	1,766.4	2,995,771	5,389,539.3	\$6,488.35	\$6,956.77
147.3	11	108,058	1,620.3	2,997,392	5,387,919.0	\$5,951.54	\$6,381.14
147.4	7	108,065	1,031.8	2,998,423	5,386,887.2	\$3,789.82	\$4,063.33
147.5	9	108,074	1,327.5	2,999,751	5,385,559.7	\$4,875.80	\$5,227.63
147.6	9	108,083	1,328.4	3,001,079	5,384,231.3	\$4,878.98	\$5,230.98
147.7	7	108,090	1,033.9	3,002,113	5,383,197.4	\$3,797.23	\$4,071.14
147.8	7	108,097	1,034.6	3,003,148	5,382,162.8	\$3,799.70	\$4,073.75
147.9	4	108,101	591.6	3,003,739	5,381,571.2	\$2,172.67	\$2,329.34
148	10	108,111	1,480.0	3,005,219	5,380,091.2	\$5,435.21	\$5,827.08
148.1	14	108,125	2,073.4	3,007,293	5,378,017.8	\$7,614.23	\$8,163.12
148.2	17	108,142	2,519.4	3,009,812	5,375,498.4	\$9,251.86	\$9,918.69
148.3	5	108,147	741.5	3,010,554	5,374,756.9	\$2,722.90	\$2,919.12
148.4	12	108,159	1,780.8	3,012,335	5,372,976.1	\$6,539.20	\$7,010.36
148.5	14	108,173	2,079.0	3,014,414	5,370,897.1	\$7,634.01	\$8,183.96
148.6	10	108,183	1,486.0	3,015,900	5,369,411.1	\$5,456.39	\$5,849.41
148.7	13	108,196	1,933.1	3,017,833	5,367,478.0	\$7,097.90	\$7,609.07
148.8	10	108,206	1,488.0	3,019,321	5,365,990.0	\$5,463.45	\$5,856.85
148.9	12	108,218	1,786.8	3,021,107	5,364,203.2	\$6,560.38	\$7,032.68
149	14	108,232	2,086.0	3,023,193	5,362,117.2	\$7,658.72	\$8,210.01
149.1	10	108,242	1,491.0	3,024,684	5,360,626.2	\$5,474.05	\$5,868.01
149.2	9	108,251	1,342.8	3,026,027	5,359,283.4	\$4,929.82	\$5,284.56
149.3	11	108,262	1,642.3	3,027,670	5,357,641.1	\$6,029.22	\$6,463.00
149.4	15	108,277	2,241.0	3,029,911	5,355,400.1	\$8,226.96	\$8,818.76
149.5	8	108,285	1,196.0	3,031,107	5,354,204.1	\$4,390.54	\$4,706.32
149.6	10	108,295	1,496.0	3,032,603	5,352,708.1	\$5,491.70	\$5,886.62
149.7	13	108,308	1,946.1	3,034,549	5,350,762.0	\$7,143.80	\$7,657.44
149.8	8	108,316	1,198.4	3,035,747	5,349,563.6	\$4,399.01	\$4,715.25
149.9	8	108,324	1,199.2	3,036,946	5,348,364.4	\$4,401.84	\$4,718.22
150	14	108,338	2,100.0	3,039,046	5,346,264.4	\$7,708.16	\$8,262.10
150.1	7	108,345	1,050.7	3,040,097	5,345,213.7	\$3,856.55	\$4,133.65
150.2	6	108,351	901.2	3,040,998	5,344,312.5	\$3,307.73	\$3,545.37
150.3	14	108,365	2,104.2	3,043,102	5,342,208.3	\$7,722.98	\$8,277.73
150.4	6	108,371	902.4	3,044,005	5,341,305.9	\$3,311.97	\$3,549.83
150.5	8	108,379	1,204.0	3,045,209	5,340,101.9	\$4,418.78	\$4,736.08
150.6	11	108,390	1,656.6	3,046,865	5,338,445.3	\$6,079.71	\$6,516.21
150.7	12	108,402	1,808.4	3,048,674	5,336,636.9	\$6,636.65	\$7,113.06
150.8	15	108,417	2,262.0	3,050,936	5,334,374.9	\$8,301.11	\$8,896.90
150.9	4	108,421	603.6	3,051,539	5,333,771.3	\$2,215.04	\$2,374.00
151	22	108,443	3,322.0	3,054,861	5,330,449.3	\$12,190.49	\$13,065.16
151.1	11	108,454	1,662.1	3,056,523	5,328,787.2	\$6,099.13	\$6,536.67
151.2	13	108,467	1,965.6	3,058,489	5,326,821.6	\$7,212.65	\$7,730.00
151.3	7	108,474	1,059.1	3,059,548	5,325,762.5	\$3,886.21	\$4,164.91
151.4	9	108,483	1,362.6	3,060,911	5,324,399.9	\$4,999.73	\$5,358.23
151.5	9	108,492	1,363.5	3,062,274	5,323,036.4	\$5,002.91	\$5,361.58
151.6	10	108,502	1,516.0	3,063,790	5,321,520.4	\$5,562.32	\$5,961.04
151.7	8	108,510	1,213.6	3,065,004	5,320,306.8	\$4,452.68	\$4,771.81
151.8	9	108,519	1,366.2	3,066,370	5,318,940.6	\$5,012.44	\$5,371.63

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
151.9	9	108,528	1,367.1	3,067,737	5,317,573.5	\$5,015.62	\$5,374.98
152	9	108,537	1,368.0	3,069,105	5,316,205.5	\$5,018.80	\$5,378.33
152.1	12	108,549	1,825.2	3,070,930	5,314,380.3	\$6,695.97	\$7,175.57
152.2	9	108,558	1,369.8	3,072,300	5,313,010.5	\$5,025.15	\$5,385.03
152.3	14	108,572	2,132.2	3,074,432	5,310,878.3	\$7,821.85	\$8,381.92
152.4	9	108,581	1,371.6	3,075,804	5,309,506.7	\$5,031.51	\$5,391.72
152.5	19	108,600	2,897.5	3,078,701	5,306,609.2	\$10,628.79	\$11,389.60
152.6	11	108,611	1,678.6	3,080,380	5,304,930.6	\$6,157.39	\$6,598.07
152.7	8	108,619	1,221.6	3,081,602	5,303,709.0	\$4,480.93	\$4,801.57
152.8	11	108,630	1,680.8	3,083,282	5,302,028.2	\$6,165.16	\$6,606.26
152.9	19	108,649	2,905.1	3,086,188	5,299,123.1	\$10,655.62	\$11,417.88
153	9	108,658	1,377.0	3,087,565	5,297,746.1	\$5,050.58	\$5,411.82
153.1	13	108,671	1,990.3	3,089,555	5,295,755.8	\$7,299.87	\$7,821.91
153.2	8	108,679	1,225.6	3,090,780	5,294,530.2	\$4,495.05	\$4,816.46
153.3	7	108,686	1,073.1	3,091,854	5,293,457.1	\$3,935.64	\$4,217.01
153.4	9	108,695	1,380.6	3,093,234	5,292,076.5	\$5,063.29	\$5,425.21
153.5	7	108,702	1,074.5	3,094,309	5,291,002.0	\$3,940.58	\$4,222.21
153.6	9	108,711	1,382.4	3,095,691	5,289,619.6	\$5,069.64	\$5,431.91
153.7	9	108,720	1,383.3	3,097,074	5,288,236.3	\$5,072.82	\$5,435.26
153.8	7	108,727	1,076.6	3,098,151	5,287,159.7	\$3,948.00	\$4,230.03
153.9	13	108,740	2,000.7	3,100,152	5,285,159.0	\$7,336.59	\$7,860.60
154	20	108,760	3,080.0	3,103,232	5,282,079.0	\$11,294.12	\$12,100.68
154.1	2	108,762	308.2	3,103,540	5,281,770.8	\$1,130.12	\$1,210.81
154.2	13	108,775	2,004.6	3,105,544	5,279,766.2	\$7,350.36	\$7,875.12
154.3	10	108,785	1,543.0	3,107,087	5,278,223.2	\$5,657.65	\$6,061.50
154.4	9	108,794	1,389.6	3,108,477	5,276,833.6	\$5,095.07	\$5,458.70
154.5	6	108,800	927.0	3,109,404	5,275,906.6	\$3,398.83	\$3,641.37
154.6	10	108,810	1,546.0	3,110,950	5,274,360.6	\$5,668.25	\$6,072.67
154.7	6	108,816	928.2	3,111,878	5,273,432.4	\$3,403.07	\$3,645.83
154.8	11	108,827	1,702.8	3,113,581	5,271,729.6	\$6,242.84	\$6,688.12
154.9	5	108,832	774.5	3,114,356	5,270,955.1	\$2,839.42	\$3,041.91
155	11	108,843	1,705.0	3,116,061	5,269,250.1	\$6,250.61	\$6,696.31
155.1	8	108,851	1,240.8	3,117,301	5,268,009.3	\$4,548.72	\$4,873.02
155.2	8	108,859	1,241.6	3,118,543	5,266,767.7	\$4,551.55	\$4,875.99
155.3	7	108,866	1,087.1	3,119,630	5,265,680.6	\$3,985.07	\$4,269.10
155.4	13	108,879	2,020.2	3,121,650	5,263,660.4	\$7,405.44	\$7,933.16
155.5	7	108,886	1,088.5	3,122,739	5,262,571.9	\$3,990.02	\$4,274.31
155.6	6	108,892	933.6	3,123,672	5,261,638.3	\$3,422.13	\$3,665.93
155.7	5	108,897	778.5	3,124,451	5,260,859.8	\$2,853.54	\$3,056.80
155.8	10	108,907	1,558.0	3,126,009	5,259,301.8	\$5,710.62	\$6,117.32
155.9	14	108,921	2,182.6	3,128,191	5,257,119.2	\$7,999.81	\$8,569.45
156	11	108,932	1,716.0	3,129,907	5,255,403.2	\$6,289.45	\$6,737.24
156.1	8	108,940	1,248.8	3,131,156	5,254,154.4	\$4,576.97	\$4,902.78
156.2	8	108,948	1,249.6	3,132,406	5,252,904.8	\$4,579.79	\$4,905.76
156.3	18	108,966	2,813.4	3,135,219	5,250,091.4	\$10,310.89	\$11,044.66
156.4	12	108,978	1,876.8	3,137,096	5,248,214.6	\$6,878.16	\$7,367.57
156.5	14	108,992	2,191.0	3,139,287	5,246,023.6	\$8,029.47	\$8,600.71
156.6	17	109,009	2,662.2	3,141,949	5,243,361.4	\$9,756.07	\$10,450.05
156.7	10	109,019	1,567.0	3,143,516	5,241,794.4	\$5,742.40	\$6,150.81

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
156.8	10	109,029	1,568.0	3,145,084	5,240,226.4	\$5,745.93	\$6,154.53
156.9	10	109,039	1,569.0	3,146,653	5,238,657.4	\$5,749.46	\$6,158.25
157	7	109,046	1,099.0	3,147,752	5,237,558.4	\$4,027.09	\$4,313.38
157.1	11	109,057	1,728.1	3,149,480	5,235,830.3	\$6,332.17	\$6,782.26
157.2	9	109,066	1,414.8	3,150,895	5,234,415.5	\$5,184.04	\$5,552.47
157.3	11	109,077	1,730.3	3,152,625	5,232,685.2	\$6,339.94	\$6,790.45
157.4	8	109,085	1,259.2	3,153,885	5,231,426.0	\$4,613.69	\$4,941.48
157.5	11	109,096	1,732.5	3,155,617	5,229,693.5	\$6,347.71	\$6,798.63
157.6	9	109,105	1,418.4	3,157,036	5,228,275.1	\$5,196.76	\$5,565.87
157.7	5	109,110	788.5	3,157,824	5,227,486.6	\$2,888.85	\$3,094.01
157.8	5	109,115	789.0	3,158,613	5,226,697.6	\$2,890.62	\$3,095.87
157.9	12	109,127	1,894.8	3,160,508	5,224,802.8	\$6,941.72	\$7,434.55
158	14	109,141	2,212.0	3,162,720	5,222,590.8	\$8,103.62	\$8,678.85
158.1	12	109,153	1,897.2	3,164,617	5,220,693.6	\$6,950.19	\$7,443.48
158.2	15	109,168	2,373.0	3,166,990	5,218,320.6	\$8,693.04	\$9,309.93
158.3	13	109,181	2,057.9	3,169,048	5,216,262.7	\$7,538.56	\$8,073.45
158.4	10	109,191	1,584.0	3,170,632	5,214,678.7	\$5,802.42	\$6,214.06
158.5	5	109,196	792.5	3,171,424	5,213,886.2	\$2,902.98	\$3,108.89
158.6	9	109,205	1,427.4	3,172,852	5,212,458.8	\$5,228.53	\$5,599.36
158.7	12	109,217	1,904.4	3,174,756	5,210,554.4	\$6,975.62	\$7,470.27
158.8	8	109,225	1,270.4	3,176,027	5,209,284.0	\$4,653.24	\$4,983.16
158.9	12	109,237	1,906.8	3,177,933	5,207,377.2	\$6,984.09	\$7,479.20
159	11	109,248	1,749.0	3,179,682	5,205,628.2	\$6,405.97	\$6,860.03
159.1	6	109,254	954.6	3,180,637	5,204,673.6	\$3,496.28	\$3,744.07
159.2	10	109,264	1,592.0	3,182,229	5,203,081.6	\$5,830.67	\$6,243.83
159.3	13	109,277	2,070.9	3,184,300	5,201,010.7	\$7,584.46	\$8,121.82
159.4	10	109,287	1,594.0	3,185,894	5,199,416.7	\$5,837.73	\$6,251.27
159.5	9	109,296	1,435.5	3,187,329	5,197,981.2	\$5,257.13	\$5,629.50
159.6	9	109,305	1,436.4	3,188,766	5,196,544.8	\$5,260.31	\$5,632.84
159.7	10	109,315	1,597.0	3,190,363	5,194,947.8	\$5,848.32	\$6,262.44
159.8	6	109,321	958.8	3,191,322	5,193,989.0	\$3,511.11	\$3,759.69
159.9	9	109,330	1,439.1	3,192,761	5,192,549.9	\$5,269.85	\$5,642.89
160	18	109,348	2,880.0	3,195,641	5,189,669.9	\$10,546.05	\$11,292.48
160.1	13	109,361	2,081.3	3,197,722	5,187,588.6	\$7,621.18	\$8,160.52
160.2	9	109,370	1,441.8	3,199,164	5,186,146.8	\$5,279.38	\$5,652.94
160.3	11	109,381	1,763.3	3,200,927	5,184,383.5	\$6,456.46	\$6,913.24
160.4	5	109,386	802.0	3,201,729	5,183,581.5	\$2,936.52	\$3,144.24
160.5	12	109,398	1,926.0	3,203,655	5,181,655.5	\$7,051.88	\$7,550.65
160.6	6	109,404	963.6	3,204,619	5,180,691.9	\$3,528.06	\$3,777.56
160.7	11	109,415	1,767.7	3,206,386	5,178,924.2	\$6,471.99	\$6,929.61
160.8	8	109,423	1,286.4	3,207,673	5,177,637.8	\$4,709.73	\$5,042.69
160.9	8	109,431	1,287.2	3,208,960	5,176,350.6	\$4,712.55	\$5,045.67
161	11	109,442	1,771.0	3,210,731	5,174,579.6	\$6,483.65	\$6,941.89
161.1	10	109,452	1,611.0	3,212,342	5,172,968.6	\$5,897.75	\$6,314.53
161.2	11	109,463	1,773.2	3,214,115	5,171,195.4	\$6,491.41	\$6,950.08
161.3	5	109,468	806.5	3,214,922	5,170,388.9	\$2,952.41	\$3,160.99
161.4	15	109,483	2,421.0	3,217,343	5,167,967.9	\$8,862.52	\$9,488.54
161.5	9	109,492	1,453.5	3,218,796	5,166,514.4	\$5,320.69	\$5,696.47
161.6	6	109,498	969.6	3,219,766	5,165,544.8	\$3,549.25	\$3,799.88

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
161.7	3	109,501	485.1	3,220,251	5,165,059.7	\$1,775.68	\$1,901.06
161.8	11	109,512	1,779.8	3,222,031	5,163,279.9	\$6,514.72	\$6,974.64
161.9	4	109,516	647.6	3,222,678	5,162,632.3	\$2,370.40	\$2,537.72
162	13	109,529	2,106.0	3,224,784	5,160,526.3	\$7,708.39	\$8,252.43
162.1	13	109,542	2,107.3	3,226,892	5,158,419.0	\$7,712.98	\$8,257.26
162.2	15	109,557	2,433.0	3,229,325	5,155,986.0	\$8,904.89	\$9,533.19
162.3	14	109,571	2,272.2	3,231,597	5,153,713.8	\$8,316.18	\$8,902.86
162.4	12	109,583	1,948.8	3,233,546	5,151,765.0	\$7,132.39	\$7,635.48
162.5	7	109,590	1,137.5	3,234,683	5,150,627.5	\$4,163.03	\$4,456.64
162.6	7	109,597	1,138.2	3,235,821	5,149,489.3	\$4,165.50	\$4,459.24
162.7	7	109,604	1,138.9	3,236,960	5,148,350.4	\$4,167.97	\$4,461.85
162.8	3	109,607	488.4	3,237,449	5,147,862.0	\$1,787.33	\$1,913.34
162.9	7	109,614	1,140.3	3,238,589	5,146,721.7	\$4,172.92	\$4,467.06
163	7	109,621	1,141.0	3,239,730	5,145,580.7	\$4,175.39	\$4,469.66
163.1	6	109,627	978.6	3,240,709	5,144,602.1	\$3,581.02	\$3,833.37
163.2	8	109,635	1,305.6	3,242,014	5,143,296.5	\$4,777.52	\$5,114.14
163.3	8	109,643	1,306.4	3,243,321	5,141,990.1	\$4,780.35	\$5,117.11
163.4	9	109,652	1,470.6	3,244,791	5,140,519.5	\$5,381.07	\$5,760.10
163.5	9	109,661	1,471.5	3,246,263	5,139,048.0	\$5,384.25	\$5,763.45
163.6	7	109,668	1,145.2	3,247,408	5,137,902.8	\$4,190.22	\$4,485.29
163.7	8	109,676	1,309.6	3,248,717	5,136,593.2	\$4,791.65	\$5,129.02
163.8	13	109,689	2,129.4	3,250,847	5,134,463.8	\$7,791.02	\$8,339.50
163.9	9	109,698	1,475.1	3,252,322	5,132,988.7	\$5,396.96	\$5,776.85
164	14	109,712	2,296.0	3,254,618	5,130,692.7	\$8,400.21	\$8,991.42
164.1	11	109,723	1,805.1	3,256,423	5,128,887.6	\$6,604.05	\$7,068.78
164.2	20	109,743	3,284.0	3,259,707	5,125,603.6	\$12,014.43	\$12,859.76
164.3	3	109,746	492.9	3,260,200	5,125,110.7	\$1,803.22	\$1,930.08
164.4	5	109,751	822.0	3,261,022	5,124,288.7	\$3,007.14	\$3,218.66
164.5	9	109,760	1,480.5	3,262,502	5,122,808.2	\$5,416.02	\$5,796.94
164.6	6	109,766	987.6	3,263,490	5,121,820.6	\$3,612.80	\$3,866.86
164.7	5	109,771	823.5	3,264,314	5,120,997.1	\$3,012.43	\$3,224.24
164.8	10	109,781	1,648.0	3,265,962	5,119,349.1	\$6,028.40	\$6,452.21
164.9	11	109,792	1,813.9	3,267,775	5,117,535.2	\$6,635.12	\$7,101.52
165	11	109,803	1,815.0	3,269,590	5,115,720.2	\$6,639.01	\$7,105.62
165.1	12	109,815	1,981.2	3,271,572	5,113,739.0	\$7,246.79	\$7,756.05
165.2	9	109,824	1,486.8	3,273,058	5,112,252.2	\$5,438.27	\$5,820.38
165.3	6	109,830	991.8	3,274,050	5,111,260.4	\$3,627.63	\$3,882.49
165.4	11	109,841	1,819.4	3,275,870	5,109,441.0	\$6,654.54	\$7,121.99
165.5	15	109,856	2,482.5	3,278,352	5,106,958.5	\$9,079.67	\$9,717.38
165.6	9	109,865	1,490.4	3,279,843	5,105,468.1	\$5,450.98	\$5,833.78
165.7	13	109,878	2,154.1	3,281,997	5,103,314.0	\$7,878.23	\$8,431.41
165.8	14	109,892	2,321.2	3,284,318	5,100,992.8	\$8,489.19	\$9,085.19
165.9	7	109,899	1,161.3	3,285,479	5,099,831.5	\$4,247.07	\$4,545.20
166	9	109,908	1,494.0	3,286,973	5,098,337.5	\$5,463.69	\$5,847.17
166.1	9	109,917	1,494.9	3,288,468	5,096,842.6	\$5,466.87	\$5,850.52
166.2	6	109,923	997.2	3,289,465	5,095,845.4	\$3,646.70	\$3,902.58
166.3	7	109,930	1,164.1	3,290,629	5,094,681.3	\$4,256.95	\$4,555.62
166.4	5	109,935	832.0	3,291,461	5,093,849.3	\$3,042.45	\$3,255.87
166.5	7	109,942	1,165.5	3,292,627	5,092,683.8	\$4,261.90	\$4,560.83

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
166.6	6	109,948	999.6	3,293,626	5,091,684.2	\$3,655.17	\$3,911.51
166.7	11	109,959	1,833.7	3,295,460	5,089,850.5	\$6,705.03	\$7,175.20
166.8	10	109,969	1,668.0	3,297,128	5,088,182.5	\$6,099.02	\$6,526.63
166.9	9	109,978	1,502.1	3,298,630	5,086,680.4	\$5,492.29	\$5,877.31
167	9	109,987	1,503.0	3,300,133	5,085,177.4	\$5,495.47	\$5,880.66
167.1	8	109,995	1,336.8	3,301,470	5,083,840.6	\$4,887.69	\$5,230.23
167.2	8	110,003	1,337.6	3,302,808	5,082,503.0	\$4,890.51	\$5,233.21
167.3	11	110,014	1,840.3	3,304,648	5,080,662.7	\$6,728.34	\$7,199.76
167.4	10	110,024	1,674.0	3,306,322	5,078,988.7	\$6,120.20	\$6,548.95
167.5	15	110,039	2,512.5	3,308,834	5,076,476.2	\$9,185.60	\$9,829.01
167.6	7	110,046	1,173.2	3,310,008	5,075,303.0	\$4,289.08	\$4,589.48
167.7	13	110,059	2,180.1	3,312,188	5,073,122.9	\$7,970.03	\$8,528.15
167.8	14	110,073	2,349.2	3,314,537	5,070,773.7	\$8,588.06	\$9,189.37
167.9	10	110,083	1,679.0	3,316,216	5,069,094.7	\$6,137.86	\$6,567.56
168	7	110,090	1,176.0	3,317,392	5,067,918.7	\$4,298.97	\$4,599.90
168.1	8	110,098	1,344.8	3,318,737	5,066,573.9	\$4,915.93	\$5,260.00
168.2	6	110,104	1,009.2	3,319,746	5,065,564.7	\$3,689.07	\$3,947.23
168.3	4	110,108	673.2	3,320,419	5,064,891.5	\$2,460.79	\$2,632.98
168.4	13	110,121	2,189.2	3,322,608	5,062,702.3	\$8,002.16	\$8,562.01
168.5	10	110,131	1,685.0	3,324,293	5,061,017.3	\$6,159.04	\$6,589.89
168.6	6	110,137	1,011.6	3,325,305	5,060,005.7	\$3,697.54	\$3,956.16
168.7	10	110,147	1,687.0	3,326,992	5,058,318.7	\$6,166.10	\$6,597.33
168.8	9	110,156	1,519.2	3,328,511	5,056,799.5	\$5,552.67	\$5,940.94
168.9	11	110,167	1,857.9	3,330,369	5,054,941.6	\$6,790.48	\$7,265.25
169	18	110,185	3,042.0	3,333,411	5,051,899.6	\$11,118.05	\$11,895.28
169.1	11	110,196	1,860.1	3,335,271	5,050,039.5	\$6,798.25	\$7,273.43
169.2	5	110,201	846.0	3,336,117	5,049,193.5	\$3,091.88	\$3,307.97
169.3	7	110,208	1,185.1	3,337,302	5,048,008.4	\$4,331.10	\$4,633.76
169.4	9	110,217	1,524.6	3,338,827	5,046,483.8	\$5,571.74	\$5,961.04
169.5	6	110,223	1,017.0	3,339,844	5,045,466.8	\$3,716.61	\$3,976.26
169.6	7	110,230	1,187.2	3,341,031	5,044,279.6	\$4,338.52	\$4,641.57
169.7	12	110,242	2,036.4	3,343,067	5,042,243.2	\$7,441.69	\$7,961.44
169.8	7	110,249	1,188.6	3,344,256	5,041,054.6	\$4,343.46	\$4,646.78
169.9	6	110,255	1,019.4	3,345,275	5,040,035.2	\$3,725.08	\$3,985.19
170	15	110,270	2,550.0	3,347,825	5,037,485.2	\$9,318.01	\$9,968.55
170.1	5	110,275	850.5	3,348,676	5,036,634.7	\$3,107.77	\$3,324.71
170.2	11	110,286	1,872.2	3,350,548	5,034,762.5	\$6,840.97	\$7,318.46
170.3	5	110,291	851.5	3,351,400	5,033,911.0	\$3,111.30	\$3,328.43
170.4	11	110,302	1,874.4	3,353,274	5,032,036.6	\$6,848.74	\$7,326.64
170.5	5	110,307	852.5	3,354,127	5,031,184.1	\$3,114.83	\$3,332.15
170.6	11	110,318	1,876.6	3,356,003	5,029,307.5	\$6,856.51	\$7,334.83
170.7	7	110,325	1,194.9	3,357,198	5,028,112.6	\$4,365.70	\$4,670.22
170.8	4	110,329	683.2	3,357,881	5,027,429.4	\$2,496.10	\$2,670.19
170.9	7	110,336	1,196.3	3,359,078	5,026,233.1	\$4,370.65	\$4,675.43
171	11	110,347	1,881.0	3,360,959	5,024,352.1	\$6,872.05	\$7,351.20
171.1	9	110,356	1,539.9	3,362,498	5,022,812.2	\$5,625.76	\$6,017.97
171.2	8	110,364	1,369.6	3,363,868	5,021,442.6	\$5,003.50	\$5,352.28
171.3	8	110,372	1,370.4	3,365,238	5,020,072.2	\$5,006.33	\$5,355.26
171.4	8	110,380	1,371.2	3,366,610	5,018,701.0	\$5,009.15	\$5,358.24

**RATE SCHEDULE NT (Commerical/Industrial - Choice)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
171.5	10	110,390	1,715.0	3,368,325	5,016,986.0	\$6,264.97	\$6,701.52
171.6	8	110,398	1,372.8	3,369,697	5,015,613.2	\$5,014.80	\$5,364.19
171.7	8	110,406	1,373.6	3,371,071	5,014,239.6	\$5,017.62	\$5,367.17
171.8	14	110,420	2,405.2	3,373,476	5,011,834.4	\$8,785.79	\$9,397.75
171.9	9	110,429	1,547.1	3,375,023	5,010,287.3	\$5,651.18	\$6,044.76
172	16	110,445	2,752.0	3,377,775	5,007,535.3	\$10,052.20	\$10,752.19
172.1	11	110,456	1,893.1	3,379,668	5,005,642.2	\$6,914.77	\$7,396.23
172.2	11	110,467	1,894.2	3,381,563	5,003,748.0	\$6,918.65	\$7,400.32
172.3	11	110,478	1,895.3	3,383,458	5,001,852.7	\$6,922.54	\$7,404.41
172.4	3	110,481	517.2	3,383,975	5,001,335.5	\$1,889.02	\$2,020.50
172.5	5	110,486	862.5	3,384,838	5,000,473.0	\$3,150.14	\$3,369.36
172.6	8	110,494	1,380.8	3,386,218	4,999,092.2	\$5,043.05	\$5,393.96
172.7	1	110,495	172.7	3,386,391	4,998,919.5	\$630.73	\$674.62
172.8	10	110,505	1,728.0	3,388,119	4,997,191.5	\$6,310.87	\$6,749.89
172.9	11	110,516	1,901.9	3,390,021	4,995,289.6	\$6,945.84	\$7,428.97
173	14	110,530	2,422.0	3,392,443	4,992,867.6	\$8,845.10	\$9,460.26
173.1	8	110,538	1,384.8	3,393,828	4,991,482.8	\$5,057.17	\$5,408.84
173.2	13	110,551	2,251.6	3,396,079	4,989,231.2	\$8,222.49	\$8,794.20
173.3	7	110,558	1,213.1	3,397,293	4,988,018.1	\$4,429.97	\$4,737.95
173.4	3	110,561	520.2	3,397,813	4,987,497.9	\$1,899.62	\$2,031.66
173.5	10	110,571	1,735.0	3,399,548	4,985,762.9	\$6,335.59	\$6,775.94
173.6	6	110,577	1,041.6	3,400,589	4,984,721.3	\$3,803.47	\$4,067.79
173.7	3	110,580	521.1	3,401,110	4,984,200.2	\$1,902.79	\$2,035.01
173.8	6	110,586	1,042.8	3,402,153	4,983,157.4	\$3,807.71	\$4,072.26
173.9	9	110,595	1,565.1	3,403,718	4,981,592.3	\$5,714.74	\$6,111.74
174	12	110,607	2,088.0	3,405,806	4,979,504.3	\$7,623.89	\$8,153.45
174.1	10	110,617	1,741.0	3,407,547	4,977,763.3	\$6,356.77	\$6,798.26
174.2	9	110,626	1,567.8	3,409,115	4,976,195.5	\$5,724.27	\$6,121.78
174.3	6	110,632	1,045.8	3,410,161	4,975,149.7	\$3,818.30	\$4,083.42
174.4	8	110,640	1,395.2	3,411,556	4,973,754.5	\$5,093.89	\$5,447.54
174.5	7	110,647	1,221.5	3,412,778	4,972,533.0	\$4,459.63	\$4,769.20
174.6	9	110,656	1,571.4	3,414,349	4,970,961.6	\$5,736.98	\$6,135.18
174.7	10	110,666	1,747.0	3,416,096	4,969,214.6	\$6,377.96	\$6,820.59
174.8	5	110,671	874.0	3,416,970	4,968,340.6	\$3,190.74	\$3,412.15
174.9	8	110,679	1,399.2	3,418,369	4,966,941.4	\$5,108.02	\$5,462.42
175	11	110,690	1,925.0	3,420,294	4,965,016.4	\$7,027.41	\$7,514.93
175.1	4	110,694	700.4	3,420,995	4,964,316.0	\$2,556.83	\$2,734.19
175.2	7	110,701	1,226.4	3,422,221	4,963,089.6	\$4,476.93	\$4,787.43
175.3	5	110,706	876.5	3,423,098	4,962,213.1	\$3,199.57	\$3,421.46
175.4	9	110,715	1,578.6	3,424,676	4,960,634.5	\$5,762.41	\$6,161.97
175.5	8	110,723	1,404.0	3,426,080	4,959,230.5	\$5,124.96	\$5,480.28
175.6	7	110,730	1,229.2	3,427,309	4,958,001.3	\$4,486.81	\$4,797.85
175.7	13	110,743	2,284.1	3,429,593	4,955,717.2	\$8,337.25	\$8,915.14
175.8	8	110,751	1,406.4	3,431,000	4,954,310.8	\$5,133.44	\$5,489.21
175.9	9	110,760	1,583.1	3,432,583	4,952,727.7	\$5,778.30	\$6,178.72
176	15	110,775	2,640.0	3,435,223	4,950,087.7	\$9,635.79	\$10,303.44
176.1	10	110,785	1,761.0	3,436,984	4,948,326.7	\$6,427.39	\$6,872.68
176.2	5	110,790	881.0	3,437,865	4,947,445.7	\$3,215.46	\$3,438.20
176.3	7	110,797	1,234.1	3,439,099	4,946,211.6	\$4,504.12	\$4,816.09



## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
176.4	3	110,800	529.2	3,439,628	4,945,682.4	\$1,931.39	\$2,065.15
176.5	10	110,810	1,765.0	3,441,393	4,943,917.4	\$6,441.51	\$6,887.57
176.6	7	110,817	1,236.2	3,442,629	4,942,681.2	\$4,511.53	\$4,823.90
176.7	4	110,821	706.8	3,443,336	4,941,974.4	\$2,579.43	\$2,758.00
176.8	12	110,833	2,121.6	3,445,458	4,939,852.8	\$7,742.53	\$8,278.47
176.9	9	110,842	1,592.1	3,447,050	4,938,260.7	\$5,810.07	\$6,212.20
177	10	110,852	1,770.0	3,448,820	4,936,490.7	\$6,459.17	\$6,906.17
177.1	12	110,864	2,125.2	3,450,945	4,934,365.5	\$7,755.24	\$8,291.87
177.2	6	110,870	1,063.2	3,452,008	4,933,302.3	\$3,879.74	\$4,148.17
177.3	5	110,875	886.5	3,452,895	4,932,415.8	\$3,234.88	\$3,458.67
177.4	7	110,882	1,241.8	3,454,137	4,931,174.0	\$4,531.30	\$4,844.74
177.5	3	110,885	532.5	3,454,669	4,930,641.5	\$1,943.05	\$2,077.43
177.6	12	110,897	2,131.2	3,456,800	4,928,510.3	\$7,776.42	\$8,314.20
177.7	6	110,903	1,066.2	3,457,867	4,927,444.1	\$3,890.33	\$4,159.33
177.8	7	110,910	1,244.6	3,459,111	4,926,199.5	\$4,541.19	\$4,855.16
177.9	6	110,916	1,067.4	3,460,179	4,925,132.1	\$3,894.57	\$4,163.80
178	20	110,936	3,560.0	3,463,739	4,921,572.1	\$12,988.95	\$13,886.76
178.1	11	110,947	1,959.1	3,465,698	4,919,613.0	\$7,147.81	\$7,641.81
178.2	13	110,960	2,316.6	3,468,014	4,917,296.4	\$8,452.00	\$9,036.07
178.3	6	110,966	1,069.8	3,469,084	4,916,226.6	\$3,903.04	\$4,172.73
178.4	3	110,969	535.2	3,469,619	4,915,691.4	\$1,952.58	\$2,087.48
178.5	12	110,981	2,142.0	3,471,761	4,913,549.4	\$7,814.56	\$8,354.38
178.6	7	110,988	1,250.2	3,473,011	4,912,299.2	\$4,560.96	\$4,875.99
178.7	10	110,998	1,787.0	3,474,798	4,910,512.2	\$6,519.19	\$6,969.43
178.8	9	111,007	1,609.2	3,476,408	4,908,903.0	\$5,870.45	\$6,275.83
178.9	5	111,012	894.5	3,477,302	4,908,008.5	\$3,263.13	\$3,488.43
179	5	111,017	895.0	3,478,197	4,907,113.5	\$3,264.89	\$3,490.30
179.1	8	111,025	1,432.8	3,479,630	4,905,680.7	\$5,226.65	\$5,587.45
179.2	5	111,030	896.0	3,480,526	4,904,784.7	\$3,268.42	\$3,494.02
179.3	4	111,034	717.2	3,481,243	4,904,067.5	\$2,616.15	\$2,796.70
179.4	6	111,040	1,076.4	3,482,320	4,902,991.1	\$3,926.35	\$4,197.28
179.5	3	111,043	538.5	3,482,858	4,902,452.6	\$1,964.23	\$2,099.76
179.6	6	111,049	1,077.6	3,483,936	4,901,375.0	\$3,930.58	\$4,201.75
179.7	3	111,052	539.1	3,484,475	4,900,835.9	\$1,966.35	\$2,101.99
179.8	8	111,060	1,438.4	3,485,913	4,899,397.5	\$5,246.43	\$5,608.29
179.9	10	111,070	1,799.0	3,487,712	4,897,598.5	\$6,561.56	\$7,014.08
180	15	111,085	2,700.0	3,490,412	4,894,898.5	\$9,847.64	\$10,526.70
180.1	10	111,095	1,801.0	3,492,213	4,893,097.5	\$6,568.63	\$7,021.52
180.2	9	111,104	1,621.8	3,493,835	4,891,475.7	\$5,914.94	\$6,322.72
180.3	6	111,110	1,081.8	3,494,917	4,890,393.9	\$3,945.41	\$4,217.38
180.4	12	111,122	2,164.8	3,497,082	4,888,229.1	\$7,895.06	\$8,439.22
180.5	6	111,128	1,083.0	3,498,165	4,887,146.1	\$3,949.65	\$4,221.84
180.6	7	111,135	1,264.2	3,499,429	4,885,881.9	\$4,610.40	\$4,928.09
180.7	11	111,146	1,987.7	3,501,416	4,883,894.2	\$7,248.79	\$7,748.23
180.8	7	111,153	1,265.6	3,502,682	4,882,628.6	\$4,615.34	\$4,933.30
180.9	9	111,162	1,628.1	3,504,310	4,881,000.5	\$5,937.19	\$6,346.16
181	16	111,178	2,896.0	3,507,206	4,878,104.5	\$10,560.65	\$11,288.02
181.1	7	111,185	1,267.7	3,508,474	4,876,836.8	\$4,622.75	\$4,941.11
181.2	11	111,196	1,993.2	3,510,467	4,874,843.6	\$7,268.21	\$7,768.70

**RATE SCHEDULE NT (Commerical/Industrial - Choice)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
181.3	5	111,201	906.5	3,511,374	4,873,937.1	\$3,305.50	\$3,533.09
181.4	4	111,205	725.6	3,512,099	4,873,211.5	\$2,645.81	\$2,827.96
181.5	10	111,215	1,815.0	3,513,914	4,871,396.5	\$6,618.06	\$7,073.62
181.6	12	111,227	2,179.2	3,516,093	4,869,217.3	\$7,945.91	\$8,492.80
181.7	6	111,233	1,090.2	3,517,184	4,868,127.1	\$3,975.07	\$4,248.63
181.8	7	111,240	1,272.6	3,518,456	4,866,854.5	\$4,640.06	\$4,959.34
181.9	3	111,243	545.7	3,519,002	4,866,308.8	\$1,989.65	\$2,126.55
182	9	111,252	1,638.0	3,520,640	4,864,670.8	\$5,972.14	\$6,383.00
182.1	10	111,262	1,821.0	3,522,461	4,862,849.8	\$6,639.24	\$7,095.94
182.2	4	111,266	728.8	3,523,190	4,862,121.0	\$2,657.11	\$2,839.86
182.3	10	111,276	1,823.0	3,525,013	4,860,298.0	\$6,646.31	\$7,103.38
182.4	9	111,285	1,641.6	3,526,654	4,858,656.4	\$5,984.85	\$6,396.39
182.5	6	111,291	1,095.0	3,527,749	4,857,561.4	\$3,992.02	\$4,266.50
182.6	12	111,303	2,191.2	3,529,940	4,855,370.2	\$7,988.28	\$8,537.46
182.7	8	111,311	1,461.6	3,531,402	4,853,908.6	\$5,328.34	\$5,694.61
182.8	8	111,319	1,462.4	3,532,864	4,852,446.2	\$5,331.17	\$5,697.59
182.9	6	111,325	1,097.4	3,533,962	4,851,348.8	\$4,000.49	\$4,275.43
183	8	111,333	1,464.0	3,535,426	4,849,884.8	\$5,336.82	\$5,703.54
183.1	7	111,340	1,281.7	3,536,708	4,848,603.1	\$4,672.19	\$4,993.21
183.2	10	111,350	1,832.0	3,538,540	4,846,771.1	\$6,678.08	\$7,136.87
183.3	13	111,363	2,382.9	3,540,922	4,844,388.2	\$8,686.10	\$9,282.77
183.4	9	111,372	1,650.6	3,542,573	4,842,737.6	\$6,016.63	\$6,429.88
183.5	4	111,376	734.0	3,543,307	4,842,003.6	\$2,675.47	\$2,859.21
183.6	9	111,385	1,652.4	3,544,959	4,840,351.2	\$6,022.99	\$6,436.58
183.7	6	111,391	1,102.2	3,546,062	4,839,249.0	\$4,017.44	\$4,293.29
183.8	6	111,397	1,102.8	3,547,164	4,838,146.2	\$4,019.56	\$4,295.52
183.9	6	111,403	1,103.4	3,548,268	4,837,042.8	\$4,021.68	\$4,297.75
184	8	111,411	1,472.0	3,549,740	4,835,570.8	\$5,365.06	\$5,733.31
184.1	4	111,415	736.4	3,550,476	4,834,834.4	\$2,683.94	\$2,868.14
184.2	3	111,418	552.6	3,551,029	4,834,281.8	\$2,014.02	\$2,152.22
184.3	6	111,424	1,105.8	3,552,135	4,833,176.0	\$4,030.15	\$4,306.68
184.4	8	111,432	1,475.2	3,553,610	4,831,700.8	\$5,376.36	\$5,745.22
184.5	5	111,437	922.5	3,554,532	4,830,778.3	\$3,361.99	\$3,592.62
184.6	12	111,449	2,215.2	3,556,748	4,828,563.1	\$8,073.02	\$8,626.76
184.7	4	111,453	738.8	3,557,486	4,827,824.3	\$2,692.42	\$2,877.07
184.8	11	111,464	2,032.8	3,559,519	4,825,791.5	\$7,408.04	\$7,916.05
184.9	5	111,469	924.5	3,560,444	4,824,867.0	\$3,369.05	\$3,600.06
185	10	111,479	1,850.0	3,562,294	4,823,017.0	\$6,741.64	\$7,203.85
185.1	4	111,483	740.4	3,563,034	4,822,276.6	\$2,698.07	\$2,883.03
185.2	11	111,494	2,037.2	3,565,071	4,820,239.4	\$7,423.57	\$7,932.42
185.3	6	111,500	1,111.8	3,566,183	4,819,127.6	\$4,051.34	\$4,329.01
185.4	10	111,510	1,854.0	3,568,037	4,817,273.6	\$6,755.76	\$7,218.73
185.5	7	111,517	1,298.5	3,569,336	4,815,975.1	\$4,731.51	\$5,055.72
185.6	9	111,526	1,670.4	3,571,006	4,814,304.7	\$6,086.54	\$6,503.56
185.7	9	111,535	1,671.3	3,572,677	4,812,633.4	\$6,089.72	\$6,506.91
185.8	4	111,539	743.2	3,573,420	4,811,890.2	\$2,707.95	\$2,893.45
185.9	6	111,545	1,115.4	3,574,536	4,810,774.8	\$4,064.05	\$4,342.40
186	8	111,553	1,488.0	3,576,024	4,809,286.8	\$5,421.56	\$5,792.85
186.1	4	111,557	744.4	3,576,768	4,808,542.4	\$2,712.19	\$2,897.91

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
186.2	6	111,563	1,117.2	3,577,885	4,807,425.2	\$4,070.41	\$4,349.10
186.3	5	111,568	931.5	3,578,817	4,806,493.7	\$3,393.77	\$3,626.11
186.4	6	111,574	1,118.4	3,579,935	4,805,375.3	\$4,074.64	\$4,353.57
186.5	10	111,584	1,865.0	3,581,800	4,803,510.3	\$6,794.60	\$7,259.67
186.6	6	111,590	1,119.6	3,582,920	4,802,390.7	\$4,078.88	\$4,358.03
186.7	12	111,602	2,240.4	3,585,160	4,800,150.3	\$8,162.00	\$8,720.53
186.8	7	111,609	1,307.6	3,586,468	4,798,842.7	\$4,763.64	\$5,089.58
186.9	4	111,613	747.6	3,587,216	4,798,095.1	\$2,723.49	\$2,909.82
187	14	111,627	2,618.0	3,589,834	4,795,477.1	\$9,537.16	\$10,189.58
187.1	5	111,632	935.5	3,590,769	4,794,541.6	\$3,407.89	\$3,641.00
187.2	6	111,638	1,123.2	3,591,892	4,793,418.4	\$4,091.59	\$4,371.43
187.3	11	111,649	2,060.3	3,593,953	4,791,358.1	\$7,505.14	\$8,018.38
187.4	9	111,658	1,686.6	3,595,639	4,789,671.5	\$6,143.74	\$6,563.84
187.5	8	111,666	1,500.0	3,597,139	4,788,171.5	\$5,463.93	\$5,837.50
187.6	5	111,671	938.0	3,598,077	4,787,233.5	\$3,416.72	\$3,650.30
187.7	5	111,676	938.5	3,599,016	4,786,295.0	\$3,418.49	\$3,652.16
187.8	4	111,680	751.2	3,599,767	4,785,543.8	\$2,736.20	\$2,923.22
187.9	7	111,687	1,315.3	3,601,082	4,784,228.5	\$4,790.83	\$5,118.23
188	11	111,698	2,068.0	3,603,150	4,782,160.5	\$7,532.32	\$8,047.03
188.1	3	111,701	564.3	3,603,714	4,781,596.2	\$2,055.33	\$2,195.76
188.2	6	111,707	1,129.2	3,604,844	4,780,467.0	\$4,112.78	\$4,393.75
188.3	8	111,715	1,506.4	3,606,350	4,778,960.6	\$5,486.53	\$5,861.31
188.4	10	111,725	1,884.0	3,608,234	4,777,076.6	\$6,861.69	\$7,330.36
188.5	3	111,728	565.5	3,608,800	4,776,511.1	\$2,059.57	\$2,200.23
188.6	9	111,737	1,697.4	3,610,497	4,774,813.7	\$6,181.88	\$6,604.03
188.7	5	111,742	943.5	3,611,440	4,773,870.2	\$3,436.14	\$3,670.76
188.8	7	111,749	1,321.6	3,612,762	4,772,548.6	\$4,813.07	\$5,141.67
188.9	8	111,757	1,511.2	3,614,273	4,771,037.4	\$5,503.48	\$5,879.18
189	13	111,770	2,457.0	3,616,730	4,768,580.4	\$8,947.74	\$9,558.50
189.1	6	111,776	1,134.6	3,617,865	4,767,445.8	\$4,131.84	\$4,413.85
189.2	4	111,780	756.8	3,618,622	4,766,689.0	\$2,755.98	\$2,944.05
189.3	5	111,785	946.5	3,619,568	4,765,742.5	\$3,446.73	\$3,681.93
189.4	4	111,789	757.6	3,620,326	4,764,984.9	\$2,758.80	\$2,947.03
189.5	6	111,795	1,137.0	3,621,463	4,763,847.9	\$4,140.32	\$4,422.78
189.6	4	111,799	758.4	3,622,221	4,763,089.5	\$2,761.62	\$2,950.01
189.7	6	111,805	1,138.2	3,623,359	4,761,951.3	\$4,144.56	\$4,427.24
189.8	4	111,809	759.2	3,624,119	4,761,192.1	\$2,764.45	\$2,952.98
189.9	4	111,813	759.6	3,624,878	4,760,432.5	\$2,765.86	\$2,954.47
190	19	111,832	3,610.0	3,628,488	4,756,822.5	\$13,144.55	\$14,040.81
190.1	6	111,838	1,140.6	3,629,629	4,755,681.9	\$4,153.03	\$4,436.17
190.2	4	111,842	760.8	3,630,390	4,754,921.1	\$2,770.10	\$2,958.94
190.3	5	111,847	951.5	3,631,341	4,753,969.6	\$3,464.39	\$3,700.53
190.4	6	111,853	1,142.4	3,632,483	4,752,827.2	\$4,159.39	\$4,442.87
190.5	4	111,857	762.0	3,633,245	4,752,065.2	\$2,774.34	\$2,963.40
190.6	5	111,862	953.0	3,634,198	4,751,112.2	\$3,469.69	\$3,706.11
190.7	6	111,868	1,144.2	3,635,343	4,749,968.0	\$4,165.74	\$4,449.57
190.8	13	111,881	2,480.4	3,637,823	4,747,487.6	\$9,030.36	\$9,645.57
190.9	8	111,889	1,527.2	3,639,350	4,745,960.4	\$5,559.97	\$5,938.71
191	16	111,905	3,056.0	3,642,406	4,742,904.4	\$11,125.59	\$11,883.38

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
191.1	7	111,912	1,337.7	3,643,744	4,741,566.7	\$4,869.92	\$5,201.58
191.2	7	111,919	1,338.4	3,645,082	4,740,228.3	\$4,872.39	\$5,204.19
191.3	5	111,924	956.5	3,646,039	4,739,271.8	\$3,482.04	\$3,719.14
191.4	3	111,927	574.2	3,646,613	4,738,697.6	\$2,090.29	\$2,232.60
191.5	9	111,936	1,723.5	3,648,337	4,736,974.1	\$6,274.03	\$6,701.14
191.6	10	111,946	1,916.0	3,650,253	4,735,058.1	\$6,974.68	\$7,449.44
191.7	4	111,950	766.8	3,651,019	4,734,291.3	\$2,791.28	\$2,981.26
191.8	5	111,955	959.0	3,651,978	4,733,332.3	\$3,490.87	\$3,728.44
191.9	8	111,963	1,535.2	3,653,514	4,731,797.1	\$5,588.22	\$5,968.48
192	12	111,975	2,304.0	3,655,818	4,729,493.1	\$8,386.56	\$8,957.18
192.1	9	111,984	1,728.9	3,657,546	4,727,764.2	\$6,293.10	\$6,721.24
192.2	4	111,988	768.8	3,658,315	4,726,995.4	\$2,798.35	\$2,988.70
192.3	5	111,993	961.5	3,659,277	4,726,033.9	\$3,499.70	\$3,737.74
192.4	3	111,996	577.2	3,659,854	4,725,456.7	\$2,100.88	\$2,243.76
192.5	2	111,998	385.0	3,660,239	4,725,071.7	\$1,401.29	\$1,496.59
192.6	7	112,005	1,348.2	3,661,587	4,723,723.5	\$4,906.99	\$5,240.65
192.7	2	112,007	385.4	3,661,973	4,723,338.1	\$1,402.70	\$1,498.07
192.8	9	112,016	1,735.2	3,663,708	4,721,602.9	\$6,315.35	\$6,744.68
192.9	6	112,022	1,157.4	3,664,865	4,720,445.5	\$4,212.35	\$4,498.69
193	10	112,032	1,930.0	3,666,795	4,718,515.5	\$7,024.11	\$7,501.53
193.1	6	112,038	1,158.6	3,667,954	4,717,356.9	\$4,216.59	\$4,503.15
193.2	4	112,042	772.8	3,668,727	4,716,584.1	\$2,812.47	\$3,003.59
193.3	7	112,049	1,353.1	3,670,080	4,715,231.0	\$4,924.29	\$5,258.89
193.4	9	112,058	1,740.6	3,671,820	4,713,490.4	\$6,334.41	\$6,764.77
193.5	10	112,068	1,935.0	3,673,755	4,711,555.4	\$7,041.77	\$7,520.14
193.6	5	112,073	968.0	3,674,723	4,710,587.4	\$3,522.65	\$3,761.93
193.7	5	112,078	968.5	3,675,692	4,709,618.9	\$3,524.41	\$3,763.79
193.8	4	112,082	775.2	3,676,467	4,708,843.7	\$2,820.94	\$3,012.52
193.9	7	112,089	1,357.3	3,677,824	4,707,486.4	\$4,939.12	\$5,274.51
194	12	112,101	2,328.0	3,680,152	4,705,158.4	\$8,471.31	\$9,046.49
194.1	11	112,112	2,135.1	3,682,287	4,703,023.3	\$7,769.25	\$8,296.71
194.2	6	112,118	1,165.2	3,683,453	4,701,858.1	\$4,239.89	\$4,527.71
194.3	7	112,125	1,360.1	3,684,813	4,700,498.0	\$4,949.01	\$5,284.93
194.4	5	112,130	972.0	3,685,785	4,699,526.0	\$3,536.77	\$3,776.81
194.5	8	112,138	1,556.0	3,687,341	4,697,970.0	\$5,661.66	\$6,045.88
194.6	13	112,151	2,529.8	3,689,870	4,695,440.2	\$9,204.79	\$9,829.39
194.7	3	112,154	584.1	3,690,455	4,694,856.1	\$2,125.24	\$2,269.44
194.8	3	112,157	584.4	3,691,039	4,694,271.7	\$2,126.30	\$2,270.55
194.9	6	112,163	1,169.4	3,692,208	4,693,102.3	\$4,254.72	\$4,543.34
195	9	112,172	1,755.0	3,693,963	4,691,347.3	\$6,385.26	\$6,818.36
195.1	4	112,176	780.4	3,694,744	4,690,566.9	\$2,839.30	\$3,031.87
195.2	10	112,186	1,952.0	3,696,696	4,688,614.9	\$7,101.79	\$7,583.39
195.3	8	112,194	1,562.4	3,698,258	4,687,052.5	\$5,684.26	\$6,069.69
195.4	7	112,201	1,367.8	3,699,626	4,685,684.7	\$4,976.20	\$5,313.58
195.5	1	112,202	195.5	3,699,821	4,685,489.2	\$711.24	\$759.46
195.6	2	112,204	391.2	3,700,213	4,685,098.0	\$1,423.18	\$1,519.66
195.7	8	112,212	1,565.6	3,701,778	4,683,532.4	\$5,695.56	\$6,081.60
195.8	7	112,219	1,370.6	3,703,149	4,682,161.8	\$4,986.08	\$5,324.00
195.9	7	112,226	1,371.3	3,704,520	4,680,790.5	\$4,988.56	\$5,326.61

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
196	10	112,236	1,960.0	3,706,480	4,678,830.5	\$7,130.04	\$7,613.16
196.1	4	112,240	784.4	3,707,265	4,678,046.1	\$2,853.43	\$3,046.75
196.2	6	112,246	1,177.2	3,708,442	4,676,868.9	\$4,282.26	\$4,572.36
196.3	6	112,252	1,177.8	3,709,620	4,675,691.1	\$4,284.38	\$4,574.59
196.4	8	112,260	1,571.2	3,711,191	4,674,119.9	\$5,715.33	\$6,102.44
196.5	10	112,270	1,965.0	3,713,156	4,672,154.9	\$7,147.69	\$7,631.77
196.6	7	112,277	1,376.2	3,714,532	4,670,778.7	\$5,005.86	\$5,344.84
196.7	8	112,285	1,573.6	3,716,106	4,669,205.1	\$5,723.80	\$6,111.37
196.8	6	112,291	1,180.8	3,717,286	4,668,024.3	\$4,294.97	\$4,585.76
196.9	5	112,296	984.5	3,718,271	4,667,039.8	\$3,580.91	\$3,823.32
197	7	112,303	1,379.0	3,719,650	4,665,660.8	\$5,015.74	\$5,355.26
197.1	6	112,309	1,182.6	3,720,832	4,664,478.2	\$4,301.33	\$4,592.45
197.2	4	112,313	788.8	3,721,621	4,663,689.4	\$2,868.96	\$3,063.12
197.3	4	112,317	789.2	3,722,410	4,662,900.2	\$2,870.38	\$3,064.61
197.4	11	112,328	2,171.4	3,724,582	4,660,728.8	\$7,897.42	\$8,431.78
197.5	8	112,336	1,580.0	3,726,162	4,659,148.8	\$5,746.40	\$6,135.18
197.6	3	112,339	592.8	3,726,755	4,658,556.0	\$2,155.96	\$2,301.81
197.7	8	112,347	1,581.6	3,728,336	4,656,974.4	\$5,752.05	\$6,141.13
197.8	1	112,348	197.8	3,728,534	4,656,776.6	\$719.36	\$768.01
197.9	2	112,350	395.8	3,728,930	4,656,380.8	\$1,439.43	\$1,536.77
198	6	112,356	1,188.0	3,730,118	4,655,192.8	\$4,320.39	\$4,612.55
198.1	11	112,367	2,179.1	3,732,297	4,653,013.7	\$7,924.61	\$8,460.43
198.2	7	112,374	1,387.4	3,733,684	4,651,626.3	\$5,045.40	\$5,386.52
198.3	4	112,378	793.2	3,734,478	4,650,833.1	\$2,884.50	\$3,079.50
198.4	6	112,384	1,190.4	3,735,668	4,649,642.7	\$4,328.87	\$4,621.48
198.5	5	112,389	992.5	3,736,660	4,648,650.2	\$3,609.16	\$3,853.09
198.6	4	112,393	794.4	3,737,455	4,647,855.8	\$2,888.74	\$3,083.96
198.7	3	112,396	596.1	3,738,051	4,647,259.7	\$2,167.61	\$2,314.09
198.8	11	112,407	2,186.8	3,740,238	4,645,072.9	\$7,951.79	\$8,489.08
198.9	8	112,415	1,591.2	3,741,829	4,643,481.7	\$5,785.95	\$6,176.86
199	5	112,420	995.0	3,742,824	4,642,486.7	\$3,617.98	\$3,862.40
199.1	8	112,428	1,592.8	3,744,417	4,640,893.9	\$5,791.60	\$6,182.81
199.2	9	112,437	1,792.8	3,746,210	4,639,101.1	\$6,518.73	\$6,959.01
199.3	5	112,442	996.5	3,747,206	4,638,104.6	\$3,623.28	\$3,867.98
199.4	7	112,449	1,395.8	3,748,602	4,636,708.8	\$5,075.06	\$5,417.77
199.5	6	112,455	1,197.0	3,749,799	4,635,511.8	\$4,352.17	\$4,646.04
199.6	5	112,460	998.0	3,750,797	4,634,513.8	\$3,628.58	\$3,873.56
199.7	9	112,469	1,797.3	3,752,594	4,632,716.5	\$6,534.61	\$6,975.75
199.8	9	112,478	1,798.2	3,754,392	4,630,918.3	\$6,537.79	\$6,979.10
199.9	12	112,490	2,398.8	3,756,791	4,628,519.5	\$8,721.29	\$9,309.93
200	14	112,504	2,800.0	3,759,591	4,625,719.5	\$10,179.79	\$10,866.80
200.1	7	112,511	1,400.7	3,760,992	4,624,318.8	\$5,092.36	\$5,436.00
200.2	6	112,517	1,201.2	3,762,193	4,623,117.6	\$4,367.00	\$4,661.67
200.3	8	112,525	1,602.4	3,763,795	4,621,515.2	\$5,825.49	\$6,218.53
200.4	9	112,534	1,803.6	3,765,599	4,619,711.6	\$6,556.86	\$6,999.20
200.5	6	112,540	1,203.0	3,766,802	4,618,508.6	\$4,373.36	\$4,668.36
200.6	6	112,546	1,203.6	3,768,006	4,617,305.0	\$4,375.48	\$4,670.60
200.7	4	112,550	802.8	3,768,808	4,616,502.2	\$2,918.40	\$3,115.22
200.8	6	112,556	1,204.8	3,770,013	4,615,297.4	\$4,379.71	\$4,675.06

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
200.9	3	112,559	602.7	3,770,616	4,614,694.7	\$2,190.92	\$2,338.65
201	9	112,568	1,809.0	3,772,425	4,612,885.7	\$6,575.93	\$7,019.29
201.1	6	112,574	1,206.6	3,773,632	4,611,679.1	\$4,386.07	\$4,681.76
201.2	4	112,578	804.8	3,774,436	4,610,874.3	\$2,925.46	\$3,122.66
201.3	7	112,585	1,409.1	3,775,845	4,609,465.2	\$5,122.02	\$5,467.26
201.4	8	112,593	1,611.2	3,777,457	4,607,854.0	\$5,856.57	\$6,251.28
201.5	3	112,596	604.5	3,778,061	4,607,249.5	\$2,197.27	\$2,345.34
201.6	7	112,603	1,411.2	3,779,472	4,605,838.3	\$5,129.44	\$5,475.08
201.7	12	112,615	2,420.4	3,781,893	4,603,417.9	\$8,797.56	\$9,390.31
201.8	5	112,620	1,009.0	3,782,902	4,602,408.9	\$3,667.42	\$3,914.49
201.9	6	112,626	1,211.4	3,784,113	4,601,197.5	\$4,403.02	\$4,699.62
202	11	112,637	2,222.0	3,786,335	4,598,975.5	\$8,076.08	\$8,620.06
202.1	5	112,642	1,010.5	3,787,346	4,597,965.0	\$3,672.71	\$3,920.07
202.2	6	112,648	1,213.2	3,788,559	4,596,751.8	\$4,409.37	\$4,706.32
202.3	7	112,655	1,416.1	3,789,975	4,595,335.7	\$5,146.74	\$5,493.31
202.4	3	112,658	607.2	3,790,582	4,594,728.5	\$2,206.80	\$2,355.39
202.5	2	112,660	405.0	3,790,987	4,594,323.5	\$1,471.91	\$1,571.01
202.6	10	112,670	2,026.0	3,793,013	4,592,297.5	\$7,363.08	\$7,858.75
202.7	6	112,676	1,216.2	3,794,229	4,591,081.3	\$4,419.97	\$4,717.48
202.8	4	112,680	811.2	3,795,041	4,590,270.1	\$2,948.06	\$3,146.48
202.9	1	112,681	202.9	3,795,243	4,590,067.2	\$737.37	\$786.99
203	9	112,690	1,827.0	3,797,070	4,588,240.2	\$6,639.48	\$7,086.27
203.1	8	112,698	1,624.8	3,798,695	4,586,615.4	\$5,904.59	\$6,301.88
203.2	3	112,701	609.6	3,799,305	4,586,005.8	\$2,215.28	\$2,364.32
203.3	5	112,706	1,016.5	3,800,321	4,584,989.3	\$3,693.90	\$3,942.40
203.4	2	112,708	406.8	3,800,728	4,584,582.5	\$1,478.27	\$1,577.70
203.5	10	112,718	2,035.0	3,802,763	4,582,547.5	\$7,394.86	\$7,892.24
203.6	10	112,728	2,036.0	3,804,799	4,580,511.5	\$7,398.39	\$7,895.96
203.7	6	112,734	1,222.2	3,806,021	4,579,289.3	\$4,441.15	\$4,739.81
203.8	10	112,744	2,038.0	3,808,059	4,577,251.3	\$7,405.45	\$7,903.40
203.9	5	112,749	1,019.5	3,809,079	4,576,231.8	\$3,704.49	\$3,953.56
204	11	112,760	2,244.0	3,811,323	4,573,987.8	\$8,153.76	\$8,701.92
204.1	7	112,767	1,428.7	3,812,752	4,572,559.1	\$5,191.23	\$5,540.19
204.2	4	112,771	816.8	3,813,568	4,571,742.3	\$2,967.83	\$3,167.31
204.3	7	112,778	1,430.1	3,814,998	4,570,312.2	\$5,196.17	\$5,545.40
204.4	7	112,785	1,430.8	3,816,429	4,568,881.4	\$5,198.64	\$5,548.01
204.5	6	112,791	1,227.0	3,817,656	4,567,654.4	\$4,458.10	\$4,757.67
204.6	6	112,797	1,227.6	3,818,884	4,566,426.8	\$4,460.22	\$4,759.90
204.7	5	112,802	1,023.5	3,819,907	4,565,403.3	\$3,718.61	\$3,968.44
204.8	9	112,811	1,843.2	3,821,751	4,563,560.1	\$6,696.68	\$7,146.55
204.9	8	112,819	1,639.2	3,823,390	4,561,920.9	\$5,955.43	\$6,355.46
205	12	112,831	2,460.0	3,825,850	4,559,460.9	\$8,937.38	\$9,537.66
205.1	9	112,840	1,845.9	3,827,696	4,557,615.0	\$6,706.22	\$7,156.59
205.2	4	112,844	820.8	3,828,516	4,556,794.2	\$2,981.95	\$3,182.20
205.3	11	112,855	2,258.3	3,830,775	4,554,535.9	\$8,204.25	\$8,755.13
205.4	8	112,863	1,643.2	3,832,418	4,552,892.7	\$5,969.55	\$6,370.35
205.5	9	112,872	1,849.5	3,834,267	4,551,043.2	\$6,718.93	\$7,169.99
205.6	7	112,879	1,439.2	3,835,707	4,549,604.0	\$5,228.30	\$5,579.26
205.7	3	112,882	617.1	3,836,324	4,548,986.9	\$2,241.76	\$2,392.23

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
205.8	10	112,892	2,058.0	3,838,382	4,546,928.9	\$7,476.07	\$7,977.82
205.9	4	112,896	823.6	3,839,205	4,546,105.3	\$2,991.84	\$3,192.62
206	10	112,906	2,060.0	3,841,265	4,544,045.3	\$7,483.13	\$7,985.26
206.1	7	112,913	1,442.7	3,842,708	4,542,602.6	\$5,240.66	\$5,592.29
206.2	4	112,917	824.8	3,843,533	4,541,777.8	\$2,996.08	\$3,197.08
206.3	4	112,921	825.2	3,844,358	4,540,952.6	\$2,997.49	\$3,198.57
206.4	4	112,925	825.6	3,845,184	4,540,127.0	\$2,998.90	\$3,200.06
206.5	5	112,930	1,032.5	3,846,216	4,539,094.5	\$3,750.39	\$4,001.93
206.6	6	112,936	1,239.6	3,847,456	4,537,854.9	\$4,502.59	\$4,804.55
206.7	5	112,941	1,033.5	3,848,489	4,536,821.4	\$3,753.92	\$4,005.65
206.8	5	112,946	1,034.0	3,849,523	4,535,787.4	\$3,755.69	\$4,007.51
206.9	4	112,950	827.6	3,850,351	4,534,959.8	\$3,005.96	\$3,207.50
207	9	112,959	1,863.0	3,852,214	4,533,096.8	\$6,766.59	\$7,220.22
207.1	9	112,968	1,863.9	3,854,078	4,531,232.9	\$6,769.77	\$7,223.57
207.2	8	112,976	1,657.6	3,855,735	4,529,575.3	\$6,020.40	\$6,423.93
207.3	5	112,981	1,036.5	3,856,772	4,528,538.8	\$3,764.52	\$4,016.82
207.4	4	112,985	829.6	3,857,601	4,527,709.2	\$3,013.02	\$3,214.94
207.5	6	112,991	1,245.0	3,858,846	4,526,464.2	\$4,521.66	\$4,824.65
207.6	4	112,995	830.4	3,859,677	4,525,633.8	\$3,015.85	\$3,217.92
207.7	4	112,999	830.8	3,860,508	4,524,803.0	\$3,017.26	\$3,219.41
207.8	9	113,008	1,870.2	3,862,378	4,522,932.8	\$6,792.02	\$7,247.01
207.9	3	113,011	623.7	3,863,002	4,522,309.1	\$2,265.06	\$2,416.79
208	8	113,019	1,664.0	3,864,666	4,520,645.1	\$6,043.00	\$6,447.74
208.1	7	113,026	1,456.7	3,866,122	4,519,188.4	\$5,290.09	\$5,644.38
208.2	7	113,033	1,457.4	3,867,580	4,517,731.0	\$5,292.57	\$5,646.99
208.3	6	113,039	1,249.8	3,868,829	4,516,481.2	\$4,538.60	\$4,842.51
208.4	6	113,045	1,250.4	3,870,080	4,515,230.8	\$4,540.72	\$4,844.74
208.5	6	113,051	1,251.0	3,871,331	4,513,979.8	\$4,542.84	\$4,846.97
208.6	7	113,058	1,460.2	3,872,791	4,512,519.6	\$5,302.45	\$5,657.40
208.7	6	113,064	1,252.2	3,874,043	4,511,267.4	\$4,547.08	\$4,851.44
208.8	9	113,073	1,879.2	3,875,922	4,509,388.2	\$6,823.79	\$7,280.50
208.9	3	113,076	626.7	3,876,549	4,508,761.5	\$2,275.66	\$2,427.95
209	11	113,087	2,299.0	3,878,848	4,506,462.5	\$8,347.96	\$8,906.58
209.1	5	113,092	1,045.5	3,879,894	4,505,417.0	\$3,796.29	\$4,050.31
209.2	5	113,097	1,046.0	3,880,940	4,504,371.0	\$3,798.06	\$4,052.17
209.3	7	113,104	1,465.1	3,882,405	4,502,905.9	\$5,319.75	\$5,675.64
209.4	4	113,108	837.6	3,883,242	4,502,068.3	\$3,041.27	\$3,244.71
209.5	6	113,114	1,257.0	3,884,499	4,500,811.3	\$4,564.03	\$4,869.30
209.6	8	113,122	1,676.8	3,886,176	4,499,134.5	\$6,088.19	\$6,495.37
209.7	4	113,126	838.8	3,887,015	4,498,295.7	\$3,045.51	\$3,249.17
209.8	6	113,132	1,258.8	3,888,274	4,497,036.9	\$4,570.38	\$4,875.99
209.9	4	113,136	839.6	3,889,113	4,496,197.3	\$3,048.33	\$3,252.15
210	6	113,142	1,260.0	3,890,373	4,494,937.3	\$4,574.62	\$4,880.46
210.1	4	113,146	840.4	3,891,214	4,494,096.9	\$3,051.16	\$3,255.13
210.2	5	113,151	1,051.0	3,892,265	4,493,045.9	\$3,815.71	\$4,070.77
210.3	6	113,157	1,261.8	3,893,527	4,491,784.1	\$4,580.97	\$4,887.16
210.4	5	113,162	1,052.0	3,894,579	4,490,732.1	\$3,819.24	\$4,074.49
210.5	6	113,168	1,263.0	3,895,842	4,489,469.1	\$4,585.21	\$4,891.62
210.6	6	113,174	1,263.6	3,897,105	4,488,205.5	\$4,587.33	\$4,893.86

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
210.7	5	113,179	1,053.5	3,898,159	4,487,152.0	\$3,824.54	\$4,080.07
210.8	6	113,185	1,264.8	3,899,423	4,485,887.2	\$4,591.57	\$4,898.32
210.9	3	113,188	632.7	3,900,056	4,485,254.5	\$2,296.84	\$2,450.28
211	8	113,196	1,688.0	3,901,744	4,483,566.5	\$6,127.74	\$6,537.05
211.1	8	113,204	1,688.8	3,903,433	4,481,877.7	\$6,130.56	\$6,540.02
211.2	4	113,208	844.8	3,904,278	4,481,032.9	\$3,066.69	\$3,271.50
211.3	3	113,211	633.9	3,904,912	4,480,399.0	\$2,301.08	\$2,454.74
211.4	6	113,217	1,268.4	3,906,180	4,479,130.6	\$4,604.28	\$4,911.72
211.5	2	113,219	423.0	3,906,603	4,478,707.6	\$1,535.47	\$1,637.98
211.6	10	113,229	2,116.0	3,908,719	4,476,591.6	\$7,680.86	\$8,193.64
211.7	3	113,232	635.1	3,909,354	4,475,956.5	\$2,305.32	\$2,459.21
211.8	7	113,239	1,482.6	3,910,837	4,474,473.9	\$5,381.54	\$5,740.75
211.9	5	113,244	1,059.5	3,911,896	4,473,414.4	\$3,845.73	\$4,102.40
212	10	113,254	2,120.0	3,914,016	4,471,294.4	\$7,694.98	\$8,208.52
212.1	5	113,259	1,060.5	3,915,077	4,470,233.9	\$3,849.26	\$4,106.12
212.2	11	113,270	2,334.2	3,917,411	4,467,899.7	\$8,472.25	\$9,037.56
212.3	6	113,276	1,273.8	3,918,685	4,466,625.9	\$4,623.35	\$4,931.81
212.4	4	113,280	849.6	3,919,534	4,465,776.3	\$3,083.64	\$3,289.36
212.5	4	113,284	850.0	3,920,384	4,464,926.3	\$3,085.06	\$3,290.85
212.6	6	113,290	1,275.6	3,921,660	4,463,650.7	\$4,629.70	\$4,938.51
212.7	5	113,295	1,063.5	3,922,723	4,462,587.2	\$3,859.85	\$4,117.28
212.8	4	113,299	851.2	3,923,575	4,461,736.0	\$3,089.29	\$3,295.32
212.9	7	113,306	1,490.3	3,925,065	4,460,245.7	\$5,408.73	\$5,769.41
213	7	113,313	1,491.0	3,926,556	4,458,754.7	\$5,411.20	\$5,772.01
213.1	4	113,317	852.4	3,927,408	4,457,902.3	\$3,093.53	\$3,299.78
213.2	9	113,326	1,918.8	3,929,327	4,455,983.5	\$6,963.62	\$7,427.85
213.3	2	113,328	426.6	3,929,754	4,455,556.9	\$1,548.18	\$1,651.38
213.4	2	113,330	426.8	3,930,181	4,455,130.1	\$1,548.88	\$1,652.12
213.5	3	113,333	640.5	3,930,821	4,454,489.6	\$2,324.38	\$2,479.30
213.6	9	113,342	1,922.4	3,932,743	4,452,567.2	\$6,976.33	\$7,441.25
213.7	7	113,349	1,495.9	3,934,239	4,451,071.3	\$5,428.51	\$5,790.24
213.8	3	113,352	641.4	3,934,881	4,450,429.9	\$2,327.56	\$2,482.65
213.9	4	113,356	855.6	3,935,736	4,449,574.3	\$3,104.83	\$3,311.69
214	9	113,365	1,926.0	3,937,662	4,447,648.3	\$6,989.04	\$7,454.65
214.1	1	113,366	214.1	3,937,876	4,447,434.2	\$776.91	\$828.67
214.2	7	113,373	1,499.4	3,939,376	4,445,934.8	\$5,440.86	\$5,803.27
214.3	7	113,380	1,500.1	3,940,876	4,444,434.7	\$5,443.34	\$5,805.87
214.4	6	113,386	1,286.4	3,942,162	4,443,148.3	\$4,667.83	\$4,978.69
214.5	5	113,391	1,072.5	3,943,235	4,442,075.8	\$3,891.63	\$4,150.77
214.6	6	113,397	1,287.6	3,944,522	4,440,788.2	\$4,672.07	\$4,983.16
214.7	4	113,401	858.8	3,945,381	4,439,929.4	\$3,116.13	\$3,323.59
214.8	5	113,406	1,074.0	3,946,455	4,438,855.4	\$3,896.92	\$4,156.35
214.9	5	113,411	1,074.5	3,947,530	4,437,780.9	\$3,898.69	\$4,158.21
215	8	113,419	1,720.0	3,949,250	4,436,060.9	\$6,240.73	\$6,656.12
215.1	6	113,425	1,290.6	3,950,540	4,434,770.3	\$4,682.66	\$4,994.32
215.2	4	113,429	860.8	3,951,401	4,433,909.5	\$3,123.19	\$3,331.04
215.3	4	113,433	861.2	3,952,262	4,433,048.3	\$3,124.60	\$3,332.53
215.4	2	113,435	430.8	3,952,693	4,432,617.5	\$1,563.01	\$1,667.01
215.5	8	113,443	1,724.0	3,954,417	4,430,893.5	\$6,254.85	\$6,671.00



**RATE SCHEDULE NT (Commerical/Industrial - Choice)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
215.6	2	113,445	431.2	3,954,848	4,430,462.3	\$1,564.42	\$1,668.50
215.7	3	113,448	647.1	3,955,495	4,429,815.2	\$2,347.69	\$2,503.86
215.8	6	113,454	1,294.8	3,956,790	4,428,520.4	\$4,697.49	\$5,009.95
215.9	2	113,456	431.8	3,957,222	4,428,088.6	\$1,566.54	\$1,670.73
216	13	113,469	2,808.0	3,960,030	4,425,280.6	\$10,187.08	\$10,864.57
216.1	3	113,472	648.3	3,960,678	4,424,632.3	\$2,351.92	\$2,508.32
216.2	5	113,477	1,081.0	3,961,759	4,423,551.3	\$3,921.64	\$4,182.40
216.3	2	113,479	432.6	3,962,192	4,423,118.7	\$1,569.36	\$1,673.70
216.4	3	113,482	649.2	3,962,841	4,422,469.5	\$2,355.10	\$2,511.67
216.5	4	113,486	866.0	3,963,707	4,421,603.5	\$3,141.55	\$3,350.39
216.6	4	113,490	866.4	3,964,574	4,420,737.1	\$3,142.96	\$3,351.87
216.7	3	113,493	650.1	3,965,224	4,420,087.0	\$2,358.28	\$2,515.02
216.8	4	113,497	867.2	3,966,091	4,419,219.8	\$3,145.79	\$3,354.85
216.9	8	113,505	1,735.2	3,967,826	4,417,484.6	\$6,294.40	\$6,712.68
217	9	113,514	1,953.0	3,969,779	4,415,531.6	\$7,084.38	\$7,555.11
217.1	7	113,521	1,519.7	3,971,299	4,414,011.9	\$5,512.54	\$5,878.80
217.2	7	113,528	1,520.4	3,972,819	4,412,491.5	\$5,515.01	\$5,881.41
217.3	5	113,533	1,086.5	3,973,906	4,411,405.0	\$3,941.06	\$4,202.87
217.4	1	113,534	217.4	3,974,123	4,411,187.6	\$788.57	\$840.95
217.5	3	113,537	652.5	3,974,776	4,410,535.1	\$2,366.75	\$2,523.95
217.6	6	113,543	1,305.6	3,976,081	4,409,229.5	\$4,735.63	\$5,050.14
217.7	10	113,553	2,177.0	3,978,258	4,407,052.5	\$7,896.24	\$8,420.62
217.8	4	113,557	871.2	3,979,129	4,406,181.3	\$3,159.91	\$3,369.74
217.9	7	113,564	1,525.3	3,980,655	4,404,656.0	\$5,532.31	\$5,899.64
218	8	113,572	1,744.0	3,982,399	4,402,912.0	\$6,325.47	\$6,745.42
218.1	3	113,575	654.3	3,983,053	4,402,257.7	\$2,373.11	\$2,530.65
218.2	5	113,580	1,091.0	3,984,144	4,401,166.7	\$3,956.95	\$4,219.61
218.3	5	113,585	1,091.5	3,985,235	4,400,075.2	\$3,958.71	\$4,221.47
218.4	5	113,590	1,092.0	3,986,327	4,398,983.2	\$3,960.48	\$4,223.33
218.5	5	113,595	1,092.5	3,987,420	4,397,890.7	\$3,962.25	\$4,225.19
218.6	12	113,607	2,623.2	3,990,043	4,395,267.5	\$9,513.63	\$10,144.93
218.7	4	113,611	874.8	3,990,918	4,394,392.7	\$3,172.62	\$3,383.13
218.8	4	113,615	875.2	3,991,793	4,393,517.5	\$3,174.03	\$3,384.62
218.9	8	113,623	1,751.2	3,993,544	4,391,766.3	\$6,350.89	\$6,772.22
219	7	113,630	1,533.0	3,995,077	4,390,233.3	\$5,559.50	\$5,928.29
219.1	3	113,633	657.3	3,995,735	4,389,576.0	\$2,383.70	\$2,541.81
219.2	6	113,639	1,315.2	3,997,050	4,388,260.8	\$4,769.52	\$5,085.86
219.3	7	113,646	1,535.1	3,998,585	4,386,725.7	\$5,566.92	\$5,936.11
219.4	5	113,651	1,097.0	3,999,682	4,385,628.7	\$3,978.13	\$4,241.94
219.5	5	113,656	1,097.5	4,000,779	4,384,531.2	\$3,979.90	\$4,243.80
219.6	3	113,659	658.8	4,001,438	4,383,872.4	\$2,389.00	\$2,547.39
219.7	4	113,663	878.8	4,002,317	4,382,993.6	\$3,186.74	\$3,398.01
219.8	5	113,668	1,099.0	4,003,416	4,381,894.6	\$3,985.20	\$4,249.38
219.9	6	113,674	1,319.4	4,004,735	4,380,575.2	\$4,784.35	\$5,101.49
220	9	113,683	1,980.0	4,006,715	4,378,595.2	\$7,179.71	\$7,655.58
220.1	5	113,688	1,100.5	4,007,816	4,377,494.7	\$3,990.49	\$4,254.96
220.2	6	113,694	1,321.2	4,009,137	4,376,173.5	\$4,790.71	\$5,108.19
220.3	4	113,698	881.2	4,010,018	4,375,292.3	\$3,195.22	\$3,406.95
220.4	4	113,702	881.6	4,010,900	4,374,410.7	\$3,196.63	\$3,408.43

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
220.5	7	113,709	1,543.5	4,012,443	4,372,867.2	\$5,596.58	\$5,967.36
220.6	5	113,714	1,103.0	4,013,546	4,371,764.2	\$3,999.32	\$4,264.26
220.7	6	113,720	1,324.2	4,014,871	4,370,440.0	\$4,801.30	\$5,119.35
220.8	7	113,727	1,545.6	4,016,416	4,368,894.4	\$5,603.99	\$5,975.18
220.9	5	113,732	1,104.5	4,017,521	4,367,789.9	\$4,004.62	\$4,269.84
221	13	113,745	2,873.0	4,020,394	4,364,916.9	\$10,416.59	\$11,106.43
221.1	6	113,751	1,326.6	4,021,720	4,363,590.3	\$4,809.78	\$5,128.28
221.2	7	113,758	1,548.4	4,023,269	4,362,041.9	\$5,613.88	\$5,985.60
221.3	2	113,760	442.6	4,023,711	4,361,599.3	\$1,604.67	\$1,710.91
221.4	2	113,762	442.8	4,024,154	4,361,156.5	\$1,605.38	\$1,711.66
221.5	3	113,765	664.5	4,024,819	4,360,492.0	\$2,409.13	\$2,568.60
221.6	2	113,767	443.2	4,025,262	4,360,048.8	\$1,606.79	\$1,713.15
221.7	2	113,769	443.4	4,025,705	4,359,605.4	\$1,607.50	\$1,713.89
221.8	5	113,774	1,109.0	4,026,814	4,358,496.4	\$4,020.51	\$4,286.59
221.9	4	113,778	887.6	4,027,702	4,357,608.8	\$3,217.82	\$3,430.76
222	11	113,789	2,442.0	4,030,144	4,355,166.8	\$8,852.88	\$9,438.68
222.1	3	113,792	666.3	4,030,810	4,354,500.5	\$2,415.48	\$2,575.30
222.2	5	113,797	1,111.0	4,031,921	4,353,389.5	\$4,027.57	\$4,294.03
222.3	4	113,801	889.2	4,032,810	4,352,500.3	\$3,223.47	\$3,436.71
222.4	5	113,806	1,112.0	4,033,922	4,351,388.3	\$4,031.10	\$4,297.75
222.5	6	113,812	1,335.0	4,035,257	4,350,053.3	\$4,839.44	\$5,159.54
222.6	3	113,815	667.8	4,035,925	4,349,385.5	\$2,420.78	\$2,580.88
222.7	8	113,823	1,781.6	4,037,707	4,347,603.9	\$6,458.23	\$6,885.33
222.8	1	113,824	222.8	4,037,930	4,347,381.1	\$807.63	\$861.04
222.9	8	113,832	1,783.2	4,039,713	4,345,597.9	\$6,463.88	\$6,891.29
223	17	113,849	3,791.0	4,043,504	4,341,806.9	\$13,741.75	\$14,650.31
223.1	4	113,853	892.4	4,044,396	4,340,914.5	\$3,234.77	\$3,448.62
223.2	6	113,859	1,339.2	4,045,735	4,339,575.3	\$4,854.27	\$5,175.16
223.3	7	113,866	1,563.1	4,047,298	4,338,012.2	\$5,665.78	\$6,040.30
223.4	5	113,871	1,117.0	4,048,415	4,336,895.2	\$4,048.75	\$4,316.36
223.5	3	113,874	670.5	4,049,086	4,336,224.7	\$2,430.31	\$2,590.93
223.6	3	113,877	670.8	4,049,757	4,335,553.9	\$2,431.37	\$2,592.05
223.7	4	113,881	894.8	4,050,652	4,334,659.1	\$3,243.24	\$3,457.55
223.8	2	113,883	447.6	4,051,099	4,334,211.5	\$1,622.33	\$1,729.52
223.9	2	113,885	447.8	4,051,547	4,333,763.7	\$1,623.03	\$1,730.26
224	12	113,897	2,688.0	4,054,235	4,331,075.7	\$9,742.43	\$10,386.05
224.1	7	113,904	1,568.7	4,055,804	4,329,507.0	\$5,685.56	\$6,061.13
224.2	5	113,909	1,121.0	4,056,925	4,328,386.0	\$4,062.88	\$4,331.24
224.3	6	113,915	1,345.8	4,058,270	4,327,040.2	\$4,877.57	\$5,199.72
224.4	1	113,916	224.4	4,058,495	4,326,815.8	\$813.28	\$866.99
224.5	8	113,924	1,796.0	4,060,291	4,325,019.8	\$6,509.08	\$6,938.92
224.6	3	113,927	673.8	4,060,965	4,324,346.0	\$2,441.96	\$2,603.21
224.7	2	113,929	449.4	4,061,414	4,323,896.6	\$1,628.68	\$1,736.22
224.8	1	113,930	224.8	4,061,639	4,323,671.8	\$814.69	\$868.48
224.9	2	113,932	449.8	4,062,089	4,323,222.0	\$1,630.09	\$1,737.71
225	6	113,938	1,350.0	4,063,439	4,321,872.0	\$4,892.40	\$5,215.35
225.1	6	113,944	1,350.6	4,064,789	4,320,521.4	\$4,894.52	\$5,217.58
225.2	4	113,948	900.8	4,065,690	4,319,620.6	\$3,264.42	\$3,479.88
225.3	3	113,951	675.9	4,066,366	4,318,944.7	\$2,449.38	\$2,611.02

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
225.4	3	113,954	676.2	4,067,042	4,318,268.5	\$2,450.44	\$2,612.14
225.5	7	113,961	1,578.5	4,068,621	4,316,690.0	\$5,720.16	\$6,097.60
225.6	4	113,965	902.4	4,069,523	4,315,787.6	\$3,270.07	\$3,485.83
225.7	1	113,966	225.7	4,069,749	4,315,561.9	\$817.87	\$871.83
225.8	4	113,970	903.2	4,070,652	4,314,658.7	\$3,272.90	\$3,488.81
225.9	4	113,974	903.6	4,071,556	4,313,755.1	\$3,274.31	\$3,490.30
226	8	113,982	1,808.0	4,073,364	4,311,947.1	\$6,551.45	\$6,983.57
226.1	6	113,988	1,356.6	4,074,720	4,310,590.5	\$4,915.70	\$5,239.91
226.2	2	113,990	452.4	4,075,173	4,310,138.1	\$1,639.27	\$1,747.38
226.3	5	113,995	1,131.5	4,076,304	4,309,006.6	\$4,099.95	\$4,370.31
226.4	4	113,999	905.6	4,077,210	4,308,101.0	\$3,281.37	\$3,497.74
226.5	5	114,004	1,132.5	4,078,342	4,306,968.5	\$4,103.48	\$4,374.03
226.6	4	114,008	906.4	4,079,249	4,306,062.1	\$3,284.20	\$3,500.71
226.7	6	114,014	1,360.2	4,080,609	4,304,701.9	\$4,928.42	\$5,253.30
226.8	5	114,019	1,134.0	4,081,743	4,303,567.9	\$4,108.78	\$4,379.61
226.9	7	114,026	1,588.3	4,083,331	4,301,979.6	\$5,754.76	\$6,134.06
227	14	114,040	3,178.0	4,086,509	4,298,801.6	\$11,514.47	\$12,273.34
227.1	4	114,044	908.4	4,087,417	4,297,893.2	\$3,291.26	\$3,508.16
227.2	5	114,049	1,136.0	4,088,553	4,296,757.2	\$4,115.84	\$4,387.06
227.3	3	114,052	681.9	4,089,235	4,296,075.3	\$2,470.56	\$2,633.35
227.4	2	114,054	454.8	4,089,690	4,295,620.5	\$1,647.75	\$1,756.31
227.5	8	114,062	1,820.0	4,091,510	4,293,800.5	\$6,593.82	\$7,028.22
227.6	4	114,066	910.4	4,092,421	4,292,890.1	\$3,298.32	\$3,515.60
227.7	5	114,071	1,138.5	4,093,559	4,291,751.6	\$4,124.67	\$4,396.36
227.8	6	114,077	1,366.8	4,094,926	4,290,384.8	\$4,951.72	\$5,277.86
227.9	1	114,078	227.9	4,095,154	4,290,156.9	\$825.64	\$880.02
228	5	114,083	1,140.0	4,096,294	4,289,016.9	\$4,129.96	\$4,401.94
228.1	6	114,089	1,368.6	4,097,662	4,287,648.3	\$4,958.07	\$5,284.56
228.2	8	114,097	1,825.6	4,099,488	4,285,822.7	\$6,613.59	\$7,049.06
228.3	5	114,102	1,141.5	4,100,629	4,284,681.2	\$4,135.26	\$4,407.52
228.4	1	114,103	228.4	4,100,858	4,284,452.8	\$827.41	\$881.88
228.5	2	114,105	457.0	4,101,315	4,283,995.8	\$1,655.52	\$1,764.50
228.6	4	114,109	914.4	4,102,229	4,283,081.4	\$3,312.44	\$3,530.48
228.7	5	114,114	1,143.5	4,103,373	4,281,937.9	\$4,142.32	\$4,414.96
228.8	7	114,121	1,601.6	4,104,974	4,280,336.3	\$5,801.72	\$6,183.55
228.9	4	114,125	915.6	4,105,890	4,279,420.7	\$3,316.68	\$3,534.95
229	9	114,134	2,061.0	4,107,951	4,277,359.7	\$7,465.71	\$7,956.98
229.1	6	114,140	1,374.6	4,109,326	4,275,985.1	\$4,979.26	\$5,306.89
229.2	4	114,144	916.8	4,110,242	4,275,068.3	\$3,320.92	\$3,539.41
229.3	4	114,148	917.2	4,111,160	4,274,151.1	\$3,322.33	\$3,540.90
229.4	6	114,154	1,376.4	4,112,536	4,272,774.7	\$4,985.62	\$5,313.58
229.5	2	114,156	459.0	4,112,995	4,272,315.7	\$1,662.58	\$1,771.94
229.6	3	114,159	688.8	4,113,684	4,271,626.9	\$2,494.93	\$2,659.02
229.7	5	114,164	1,148.5	4,114,832	4,270,478.4	\$4,159.98	\$4,433.57
229.8	6	114,170	1,378.8	4,116,211	4,269,099.6	\$4,994.09	\$5,322.51
229.9	3	114,173	689.7	4,116,901	4,268,409.9	\$2,498.10	\$2,662.37
230	11	114,184	2,530.0	4,119,431	4,265,879.9	\$9,163.60	\$9,766.13
230.1	3	114,187	690.3	4,120,121	4,265,189.6	\$2,500.22	\$2,664.61
230.2	2	114,189	460.4	4,120,581	4,264,729.2	\$1,667.52	\$1,777.15

**RATE SCHEDULE NT (Commerical/Industrial - Choice)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
230.3	3	114,192	690.9	4,121,272	4,264,038.3	\$2,502.34	\$2,666.84
230.4	9	114,201	2,073.6	4,123,346	4,261,964.7	\$7,510.20	\$8,003.87
230.5	6	114,207	1,383.0	4,124,729	4,260,581.7	\$5,008.92	\$5,338.14
230.6	6	114,213	1,383.6	4,126,113	4,259,198.1	\$5,011.04	\$5,340.38
230.7	10	114,223	2,307.0	4,128,420	4,256,891.1	\$8,355.26	\$8,904.35
230.8	6	114,229	1,384.8	4,129,804	4,255,506.3	\$5,015.28	\$5,344.84
230.9	5	114,234	1,154.5	4,130,959	4,254,351.8	\$4,181.16	\$4,455.89
231	6	114,240	1,386.0	4,132,345	4,252,965.8	\$5,019.51	\$5,349.31
231.1	3	114,243	693.3	4,133,038	4,252,272.5	\$2,510.82	\$2,675.77
231.2	3	114,246	693.6	4,133,732	4,251,578.9	\$2,511.87	\$2,676.89
231.3	4	114,250	925.2	4,134,657	4,250,653.7	\$3,350.58	\$3,570.67
231.4	7	114,257	1,619.8	4,136,277	4,249,033.9	\$5,865.98	\$6,251.28
231.5	4	114,261	926.0	4,137,203	4,248,107.9	\$3,353.40	\$3,573.65
231.6	5	114,266	1,158.0	4,138,361	4,246,949.9	\$4,193.52	\$4,468.92
231.7	5	114,271	1,158.5	4,139,519	4,245,791.4	\$4,195.29	\$4,470.78
231.8	4	114,275	927.2	4,140,446	4,244,864.2	\$3,357.64	\$3,578.11
231.9	8	114,283	1,855.2	4,142,302	4,243,009.0	\$6,718.11	\$7,159.20
232	13	114,296	3,016.0	4,145,318	4,239,993.0	\$10,921.51	\$11,638.54
232.1	2	114,298	464.2	4,145,782	4,239,528.8	\$1,680.94	\$1,791.29
232.2	2	114,300	464.4	4,146,246	4,239,064.4	\$1,681.64	\$1,792.03
232.3	4	114,304	929.2	4,147,175	4,238,135.2	\$3,364.70	\$3,585.55
232.4	1	114,305	232.4	4,147,408	4,237,902.8	\$841.53	\$896.76
232.5	5	114,310	1,162.5	4,148,570	4,236,740.3	\$4,209.41	\$4,485.66
232.6	2	114,312	465.2	4,149,036	4,236,275.1	\$1,684.47	\$1,795.01
232.7	6	114,318	1,396.2	4,150,432	4,234,878.9	\$5,055.53	\$5,387.26
232.8	4	114,322	931.2	4,151,363	4,233,947.7	\$3,371.76	\$3,593.00
232.9	2	114,324	465.8	4,151,829	4,233,481.9	\$1,686.59	\$1,797.24
233	10	114,334	2,330.0	4,154,159	4,231,151.9	\$8,436.47	\$8,989.93
233.1	2	114,336	466.2	4,154,625	4,230,685.7	\$1,688.00	\$1,798.73
233.2	1	114,337	233.2	4,154,858	4,230,452.5	\$844.35	\$899.74
233.3	4	114,341	933.2	4,155,791	4,229,519.3	\$3,378.83	\$3,600.44
233.4	7	114,348	1,633.8	4,157,425	4,227,885.5	\$5,915.42	\$6,303.37
233.5	9	114,357	2,101.5	4,159,527	4,225,784.0	\$7,608.71	\$8,107.68
233.6	3	114,360	700.8	4,160,227	4,225,083.2	\$2,537.30	\$2,703.68
233.7	6	114,366	1,402.2	4,161,630	4,223,681.0	\$5,076.71	\$5,409.59
233.8	3	114,369	701.4	4,162,331	4,222,979.6	\$2,539.42	\$2,705.91
233.9	5	114,374	1,169.5	4,163,501	4,221,810.1	\$4,234.13	\$4,511.71
234	10	114,384	2,340.0	4,165,841	4,219,470.1	\$8,471.78	\$9,027.14
234.2	3	114,387	702.6	4,166,543	4,218,767.5	\$2,543.65	\$2,710.37
234.3	4	114,391	937.2	4,167,480	4,217,830.3	\$3,392.95	\$3,615.32
234.4	7	114,398	1,640.8	4,169,121	4,216,189.5	\$5,940.13	\$6,329.42
234.5	5	114,403	1,172.5	4,170,294	4,215,017.0	\$4,244.72	\$4,522.87
234.6	1	114,404	234.6	4,170,528	4,214,782.4	\$849.30	\$904.95
234.7	3	114,407	704.1	4,171,232	4,214,078.3	\$2,548.95	\$2,715.96
234.8	3	114,410	704.4	4,171,937	4,213,373.9	\$2,550.01	\$2,717.07
234.9	6	114,416	1,409.4	4,173,346	4,211,964.5	\$5,102.14	\$5,436.38
235	7	114,423	1,645.0	4,174,991	4,210,319.5	\$5,954.96	\$6,345.05
235.1	3	114,426	705.3	4,175,696	4,209,614.2	\$2,553.19	\$2,720.42
235.2	5	114,431	1,176.0	4,176,872	4,208,438.2	\$4,257.08	\$4,535.90

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
235.3	5	114,436	1,176.5	4,178,049	4,207,261.7	\$4,258.84	\$4,537.76
235.4	2	114,438	470.8	4,178,520	4,206,790.9	\$1,704.24	\$1,815.85
235.5	3	114,441	706.5	4,179,226	4,206,084.4	\$2,557.42	\$2,724.89
235.6	3	114,444	706.8	4,179,933	4,205,377.6	\$2,558.48	\$2,726.00
235.7	4	114,448	942.8	4,180,876	4,204,434.8	\$3,412.72	\$3,636.16
235.8	3	114,451	707.4	4,181,583	4,203,727.4	\$2,560.60	\$2,728.24
235.9	5	114,456	1,179.5	4,182,763	4,202,547.9	\$4,269.43	\$4,548.92
236	5	114,461	1,180.0	4,183,943	4,201,367.9	\$4,271.20	\$4,550.78
236.1	4	114,465	944.4	4,184,887	4,200,423.5	\$3,418.37	\$3,642.11
236.2	5	114,470	1,181.0	4,186,068	4,199,242.5	\$4,274.73	\$4,554.50
236.3	5	114,475	1,181.5	4,187,250	4,198,061.0	\$4,276.50	\$4,556.36
236.4	2	114,477	472.8	4,187,722	4,197,588.2	\$1,711.30	\$1,823.29
236.5	6	114,483	1,419.0	4,189,141	4,196,169.2	\$5,136.03	\$5,472.10
236.6	1	114,484	236.6	4,189,378	4,195,932.6	\$856.36	\$912.39
236.7	3	114,487	710.1	4,190,088	4,195,222.5	\$2,570.13	\$2,738.28
236.8	4	114,491	947.2	4,191,035	4,194,275.3	\$3,428.26	\$3,652.53
236.9	7	114,498	1,658.3	4,192,694	4,192,617.0	\$6,001.92	\$6,394.53
237	9	114,507	2,133.0	4,194,827	4,190,484.0	\$7,719.94	\$8,224.89
237.1	4	114,511	948.4	4,195,775	4,189,535.6	\$3,432.50	\$3,657.00
237.2	7	114,518	1,660.4	4,197,435	4,187,875.2	\$6,009.34	\$6,402.35
237.3	2	114,520	474.6	4,197,910	4,187,400.6	\$1,717.66	\$1,829.99
237.4	7	114,527	1,661.8	4,199,572	4,185,738.8	\$6,014.28	\$6,407.56
237.5	7	114,534	1,662.5	4,201,234	4,184,076.3	\$6,016.75	\$6,410.16
237.6	1	114,535	237.6	4,201,472	4,183,838.7	\$859.89	\$916.11
237.7	4	114,539	950.8	4,202,423	4,182,887.9	\$3,440.97	\$3,665.93
237.8	6	114,545	1,426.8	4,203,850	4,181,461.1	\$5,163.57	\$5,501.12
237.9	2	114,547	475.8	4,204,325	4,180,985.3	\$1,721.90	\$1,834.45
238	15	114,562	3,570.0	4,207,895	4,177,415.3	\$12,919.53	\$13,763.97
238.1	3	114,565	714.3	4,208,610	4,176,701.0	\$2,584.96	\$2,753.91
238.2	5	114,570	1,191.0	4,209,801	4,175,510.0	\$4,310.04	\$4,591.71
238.3	3	114,573	714.9	4,210,516	4,174,795.1	\$2,587.08	\$2,756.14
238.4	7	114,580	1,668.8	4,212,184	4,173,126.3	\$6,039.00	\$6,433.60
238.5	5	114,585	1,192.5	4,213,377	4,171,933.8	\$4,315.34	\$4,597.29
238.6	4	114,589	954.4	4,214,331	4,170,979.4	\$3,453.68	\$3,679.32
238.7	6	114,595	1,432.2	4,215,763	4,169,547.2	\$5,182.64	\$5,521.22
238.8	6	114,601	1,432.8	4,217,196	4,168,114.4	\$5,184.76	\$5,523.45
238.9	7	114,608	1,672.3	4,218,869	4,166,442.1	\$6,051.36	\$6,446.63
239	7	114,615	1,673.0	4,220,542	4,164,769.1	\$6,053.83	\$6,449.23
239.1	2	114,617	478.2	4,221,020	4,164,290.9	\$1,730.37	\$1,843.38
239.2	5	114,622	1,196.0	4,222,216	4,163,094.9	\$4,327.69	\$4,610.32
239.3	4	114,626	957.2	4,223,173	4,162,137.7	\$3,463.57	\$3,689.74
239.4	3	114,629	718.2	4,223,891	4,161,419.5	\$2,598.73	\$2,768.42
239.5	3	114,632	718.5	4,224,610	4,160,701.0	\$2,599.79	\$2,769.54
239.7	5	114,637	1,198.5	4,225,808	4,159,502.5	\$4,336.52	\$4,619.62
239.8	3	114,640	719.4	4,226,528	4,158,783.1	\$2,602.97	\$2,772.89
239.9	2	114,642	479.8	4,227,007	4,158,303.3	\$1,736.02	\$1,849.34
240	11	114,653	2,640.0	4,229,647	4,155,663.3	\$9,552.00	\$10,175.44
240.1	3	114,656	720.3	4,230,368	4,154,943.0	\$2,606.15	\$2,776.24
240.2	4	114,660	960.8	4,231,328	4,153,982.2	\$3,476.28	\$3,703.14

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
240.3	3	114,663	720.9	4,232,049	4,153,261.3	\$2,608.27	\$2,778.47
240.4	5	114,668	1,202.0	4,233,251	4,152,059.3	\$4,348.88	\$4,632.64
240.5	2	114,670	481.0	4,233,732	4,151,578.3	\$1,740.26	\$1,853.80
240.6	2	114,672	481.2	4,234,214	4,151,097.1	\$1,740.96	\$1,854.55
240.7	6	114,678	1,444.2	4,235,658	4,149,652.9	\$5,225.01	\$5,565.87
240.8	3	114,681	722.4	4,236,380	4,148,930.5	\$2,613.56	\$2,784.05
240.9	4	114,685	963.6	4,237,344	4,147,966.9	\$3,486.17	\$3,713.56
241	8	114,693	1,928.0	4,239,272	4,146,038.9	\$6,975.16	\$7,430.09
241.1	8	114,701	1,928.8	4,241,201	4,144,110.1	\$6,977.98	\$7,433.06
241.2	6	114,707	1,447.2	4,242,648	4,142,662.9	\$5,235.60	\$5,577.03
241.3	6	114,713	1,447.8	4,244,096	4,141,215.1	\$5,237.72	\$5,579.26
241.4	4	114,717	965.6	4,245,061	4,140,249.5	\$3,493.23	\$3,721.00
241.5	7	114,724	1,690.5	4,246,752	4,138,559.0	\$6,115.62	\$6,514.35
241.6	4	114,728	966.4	4,247,718	4,137,592.6	\$3,496.05	\$3,723.97
241.7	5	114,733	1,208.5	4,248,927	4,136,384.1	\$4,371.83	\$4,656.83
241.8	3	114,736	725.4	4,249,652	4,135,658.7	\$2,624.16	\$2,795.21
241.9	1	114,737	241.9	4,249,894	4,135,416.8	\$875.07	\$932.11
242	6	114,743	1,452.0	4,251,346	4,133,964.8	\$5,252.55	\$5,594.89
242.1	2	114,745	484.2	4,251,830	4,133,480.6	\$1,751.56	\$1,865.71
242.2	3	114,748	726.6	4,252,557	4,132,754.0	\$2,628.39	\$2,799.68
242.3	4	114,752	969.2	4,253,526	4,131,784.8	\$3,505.94	\$3,734.39
242.4	6	114,758	1,454.4	4,254,980	4,130,330.4	\$5,261.03	\$5,603.82
242.5	1	114,759	242.5	4,255,223	4,130,087.9	\$877.19	\$934.34
242.6	1	114,760	242.6	4,255,465	4,129,845.3	\$877.54	\$934.71
242.7	2	114,762	485.4	4,255,951	4,129,359.9	\$1,755.79	\$1,870.17
242.8	1	114,763	242.8	4,256,194	4,129,117.1	\$878.25	\$935.46
242.9	3	114,766	728.7	4,256,922	4,128,388.4	\$2,635.81	\$2,807.49
243	6	114,772	1,458.0	4,258,380	4,126,930.4	\$5,273.74	\$5,617.22
243.1	5	114,777	1,215.5	4,259,596	4,125,714.9	\$4,396.55	\$4,682.88
243.2	3	114,780	729.6	4,260,325	4,124,985.3	\$2,638.99	\$2,810.84
243.3	4	114,784	973.2	4,261,299	4,124,012.1	\$3,520.06	\$3,749.28
243.4	2	114,786	486.8	4,261,785	4,123,525.3	\$1,760.74	\$1,875.38
243.5	4	114,790	974.0	4,262,759	4,122,551.3	\$3,522.89	\$3,752.25
243.6	3	114,793	730.8	4,263,490	4,121,820.5	\$2,643.22	\$2,815.31
243.7	3	114,796	731.1	4,264,221	4,121,089.4	\$2,644.28	\$2,816.42
243.8	3	114,799	731.4	4,264,953	4,120,358.0	\$2,645.34	\$2,817.54
243.9	7	114,806	1,707.3	4,266,660	4,118,650.7	\$6,174.94	\$6,576.86
244	11	114,817	2,684.0	4,269,344	4,115,966.7	\$9,707.36	\$10,339.16
244.1	4	114,821	976.4	4,270,320	4,114,990.3	\$3,531.36	\$3,761.18
244.2	1	114,822	244.2	4,270,565	4,114,746.1	\$883.19	\$940.67
244.3	5	114,827	1,221.5	4,271,786	4,113,524.6	\$4,417.73	\$4,705.20
244.4	2	114,829	488.8	4,272,275	4,113,035.8	\$1,767.80	\$1,882.82
244.5	4	114,833	978.0	4,273,253	4,112,057.8	\$3,537.01	\$3,767.14
244.6	7	114,840	1,712.2	4,274,965	4,110,345.6	\$6,192.24	\$6,595.10
244.8	2	114,842	489.6	4,275,455	4,109,856.0	\$1,770.62	\$1,885.80
244.9	5	114,847	1,224.5	4,276,679	4,108,631.5	\$4,428.32	\$4,716.36
245	8	114,855	1,960.0	4,278,639	4,106,671.5	\$7,088.14	\$7,549.16
245.1	2	114,857	490.2	4,279,129	4,106,181.3	\$1,772.74	\$1,888.03
245.2	4	114,861	980.8	4,280,110	4,105,200.5	\$3,546.90	\$3,777.56

**RATE SCHEDULE NT (Commerical/Industrial - Choice)**

**Bill Frequency Analysis (2014-2015 MCFs)**

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
245.3	1	114,862	245.3	4,280,355	4,104,955.2	\$887.08	\$944.76
245.4	5	114,867	1,227.0	4,281,582	4,103,728.2	\$4,437.15	\$4,725.67
245.5	8	114,875	1,964.0	4,283,546	4,101,764.2	\$7,102.27	\$7,564.04
245.6	5	114,880	1,228.0	4,284,774	4,100,536.2	\$4,440.68	\$4,729.39
245.7	3	114,883	737.1	4,285,512	4,099,799.1	\$2,665.47	\$2,838.75
245.8	6	114,889	1,474.8	4,286,986	4,098,324.3	\$5,333.06	\$5,679.73
245.9	6	114,895	1,475.4	4,288,462	4,096,848.9	\$5,335.17	\$5,681.96
246	5	114,900	1,230.0	4,289,692	4,095,618.9	\$4,447.74	\$4,736.83
246.1	7	114,907	1,722.7	4,291,414	4,093,896.2	\$6,229.31	\$6,634.17
246.2	2	114,909	492.4	4,291,907	4,093,403.8	\$1,780.51	\$1,896.22
246.3	2	114,911	492.6	4,292,399	4,092,911.2	\$1,781.22	\$1,896.96
246.4	4	114,915	985.6	4,293,385	4,091,925.6	\$3,563.85	\$3,795.42
246.5	1	114,916	246.5	4,293,632	4,091,679.1	\$891.31	\$949.23
246.6	2	114,918	493.2	4,294,125	4,091,185.9	\$1,783.33	\$1,899.20
246.7	4	114,922	986.8	4,295,112	4,090,199.1	\$3,568.08	\$3,799.88
246.8	3	114,925	740.4	4,295,852	4,089,458.7	\$2,677.12	\$2,851.03
246.9	8	114,933	1,975.2	4,297,827	4,087,483.5	\$7,141.81	\$7,605.72
247	5	114,938	1,235.0	4,299,062	4,086,248.5	\$4,465.40	\$4,755.44
247.2	3	114,941	741.6	4,299,804	4,085,506.9	\$2,681.36	\$2,855.49
247.3	3	114,944	741.9	4,300,546	4,084,765.0	\$2,682.42	\$2,856.61
247.4	2	114,946	494.8	4,301,040	4,084,270.2	\$1,788.98	\$1,905.15
247.5	6	114,952	1,485.0	4,302,525	4,082,785.2	\$5,369.07	\$5,717.69
247.6	4	114,956	990.4	4,303,516	4,081,794.8	\$3,580.79	\$3,813.28
247.7	5	114,961	1,238.5	4,304,754	4,080,556.3	\$4,477.76	\$4,768.46
247.8	4	114,965	991.2	4,305,746	4,079,565.1	\$3,583.62	\$3,816.26
247.9	4	114,969	991.6	4,306,737	4,078,573.5	\$3,585.03	\$3,817.74
248	5	114,974	1,240.0	4,307,977	4,077,333.5	\$4,483.05	\$4,774.04
248.1	4	114,978	992.4	4,308,970	4,076,341.1	\$3,587.86	\$3,820.72
248.2	3	114,981	744.6	4,309,714	4,075,596.5	\$2,691.95	\$2,866.66
248.3	2	114,983	496.6	4,310,211	4,075,099.9	\$1,795.34	\$1,911.85
248.4	4	114,987	993.6	4,311,204	4,074,106.3	\$3,592.09	\$3,825.19
248.5	4	114,991	994.0	4,312,198	4,073,112.3	\$3,593.50	\$3,826.67
248.6	6	114,997	1,491.6	4,313,690	4,071,620.7	\$5,392.38	\$5,742.24
248.7	3	115,000	746.1	4,314,436	4,070,874.6	\$2,697.25	\$2,872.24
248.8	3	115,003	746.4	4,315,182	4,070,128.2	\$2,698.31	\$2,873.35
248.9	4	115,007	995.6	4,316,178	4,069,132.6	\$3,599.15	\$3,832.63
249	4	115,011	996.0	4,317,174	4,068,136.6	\$3,600.57	\$3,834.12
249.1	5	115,016	1,245.5	4,318,420	4,066,891.1	\$4,502.47	\$4,794.51
249.2	3	115,019	747.6	4,319,167	4,066,143.5	\$2,702.54	\$2,877.82
249.3	3	115,022	747.9	4,319,915	4,065,395.6	\$2,703.60	\$2,878.94
249.4	6	115,028	1,496.4	4,321,411	4,063,899.2	\$5,409.32	\$5,760.10
249.5	5	115,033	1,247.5	4,322,659	4,062,651.7	\$4,509.54	\$4,801.95
249.6	5	115,038	1,248.0	4,323,907	4,061,403.7	\$4,511.30	\$4,803.81
249.7	3	115,041	749.1	4,324,656	4,060,654.6	\$2,707.84	\$2,883.40
249.8	3	115,044	749.4	4,325,405	4,059,905.2	\$2,708.90	\$2,884.52
249.9	6	115,050	1,499.4	4,326,905	4,058,405.8	\$5,419.92	\$5,771.27
250	10	115,060	2,500.0	4,329,405	4,055,905.8	\$9,036.73	\$9,622.50
250.1	6	115,066	1,500.6	4,330,905	4,054,405.2	\$5,424.15	\$5,775.73
250.2	2	115,068	500.4	4,331,406	4,053,904.8	\$1,808.76	\$1,925.99

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
250.3	1	115,069	250.3	4,331,656	4,053,654.5	\$904.73	\$963.37
250.4	2	115,071	500.8	4,332,157	4,053,153.7	\$1,810.17	\$1,927.48
250.5	2	115,073	501.0	4,332,658	4,052,652.7	\$1,810.88	\$1,928.22
250.6	1	115,074	250.6	4,332,909	4,052,402.1	\$905.79	\$964.48
250.7	1	115,075	250.7	4,333,159	4,052,151.4	\$906.14	\$964.85
250.8	4	115,079	1,003.2	4,334,162	4,051,148.2	\$3,625.99	\$3,860.91
250.9	7	115,086	1,756.3	4,335,919	4,049,391.9	\$6,347.95	\$6,759.19
251	3	115,089	753.0	4,336,672	4,048,638.9	\$2,721.61	\$2,897.91
251.1	4	115,093	1,004.4	4,337,676	4,047,634.5	\$3,630.23	\$3,865.37
251.2	4	115,097	1,004.8	4,338,681	4,046,629.7	\$3,631.64	\$3,866.86
251.3	3	115,100	753.9	4,339,435	4,045,875.8	\$2,724.79	\$2,901.26
251.4	5	115,105	1,257.0	4,340,692	4,044,618.8	\$4,543.08	\$4,837.30
251.5	4	115,109	1,006.0	4,341,698	4,043,612.8	\$3,635.88	\$3,871.33
251.6	2	115,111	503.2	4,342,201	4,043,109.6	\$1,818.64	\$1,936.41
251.7	2	115,113	503.4	4,342,704	4,042,606.2	\$1,819.35	\$1,937.15
251.8	3	115,116	755.4	4,343,460	4,041,850.8	\$2,730.08	\$2,906.84
251.9	2	115,118	503.8	4,343,964	4,041,347.0	\$1,820.76	\$1,938.64
252	4	115,122	1,008.0	4,344,972	4,040,339.0	\$3,642.94	\$3,878.77
252.1	4	115,126	1,008.4	4,345,980	4,039,330.6	\$3,644.35	\$3,880.26
252.2	2	115,128	504.4	4,346,484	4,038,826.2	\$1,822.88	\$1,940.87
252.3	3	115,131	756.9	4,347,241	4,038,069.3	\$2,735.38	\$2,912.42
252.4	4	115,135	1,009.6	4,348,251	4,037,059.7	\$3,648.59	\$3,884.72
252.5	5	115,140	1,262.5	4,349,513	4,035,797.2	\$4,562.50	\$4,857.76
252.6	3	115,143	757.8	4,350,271	4,035,039.4	\$2,738.56	\$2,915.77
252.7	5	115,148	1,263.5	4,351,535	4,033,775.9	\$4,566.03	\$4,861.48
252.8	3	115,151	758.4	4,352,293	4,033,017.5	\$2,740.68	\$2,918.01
252.9	4	115,155	1,011.6	4,353,305	4,032,005.9	\$3,655.65	\$3,892.16
253	6	115,161	1,518.0	4,354,823	4,030,487.9	\$5,485.59	\$5,840.48
253.1	3	115,164	759.3	4,355,582	4,029,728.6	\$2,743.85	\$2,921.36
253.2	2	115,166	506.4	4,356,088	4,029,222.2	\$1,829.94	\$1,948.31
253.3	2	115,168	506.6	4,356,595	4,028,715.6	\$1,830.65	\$1,949.06
253.4	2	115,170	506.8	4,357,102	4,028,208.8	\$1,831.36	\$1,949.80
253.5	3	115,173	760.5	4,357,862	4,027,448.3	\$2,748.09	\$2,925.82
253.6	2	115,175	507.2	4,358,370	4,026,941.1	\$1,832.77	\$1,951.29
253.7	3	115,178	761.1	4,359,131	4,026,180.0	\$2,750.21	\$2,928.05
253.8	4	115,182	1,015.2	4,360,146	4,025,164.8	\$3,668.36	\$3,905.56
253.9	4	115,186	1,015.6	4,361,161	4,024,149.2	\$3,669.77	\$3,907.05
254	7	115,193	1,778.0	4,362,939	4,022,371.2	\$6,424.57	\$6,839.94
254.1	4	115,197	1,016.4	4,363,956	4,021,354.8	\$3,672.60	\$3,910.02
254.2	1	115,198	254.2	4,364,210	4,021,100.6	\$918.50	\$977.88
254.3	4	115,202	1,017.2	4,365,227	4,020,083.4	\$3,675.42	\$3,913.00
254.4	8	115,210	2,035.2	4,367,262	4,018,048.2	\$7,353.67	\$7,828.98
254.5	5	115,215	1,272.5	4,368,535	4,016,775.7	\$4,597.81	\$4,894.97
254.6	3	115,218	763.8	4,369,299	4,016,011.9	\$2,759.74	\$2,938.10
254.7	2	115,220	509.4	4,369,808	4,015,502.5	\$1,840.54	\$1,959.48
254.8	4	115,224	1,019.2	4,370,827	4,014,483.3	\$3,682.48	\$3,920.44
254.9	2	115,226	509.8	4,371,337	4,013,973.5	\$1,841.95	\$1,960.97
255	10	115,236	2,550.0	4,373,887	4,011,423.5	\$9,213.27	\$9,808.55
255.1	2	115,238	510.2	4,374,397	4,010,913.3	\$1,843.36	\$1,962.45



**RATE SCHEDULE NT (Commerical/Industrial - Choice)****Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
255.2	3	115,241	765.6	4,375,163	4,010,147.7	\$2,766.10	\$2,944.80
255.3	5	115,246	1,276.5	4,376,439	4,008,871.2	\$4,611.93	\$4,909.86
255.4	7	115,253	1,787.8	4,378,227	4,007,083.4	\$6,459.18	\$6,876.40
255.5	7	115,260	1,788.5	4,380,016	4,005,294.9	\$6,461.65	\$6,879.01
255.6	5	115,265	1,278.0	4,381,294	4,004,016.9	\$4,617.23	\$4,915.44
255.7	5	115,270	1,278.5	4,382,572	4,002,738.4	\$4,618.99	\$4,917.30
255.8	5	115,275	1,279.0	4,383,851	4,001,459.4	\$4,620.76	\$4,919.16
255.9	3	115,278	767.7	4,384,619	4,000,691.7	\$2,773.51	\$2,952.61
256	2	115,280	512.0	4,385,131	4,000,179.7	\$1,849.72	\$1,969.15
256.1	7	115,287	1,792.7	4,386,924	3,998,387.0	\$6,476.48	\$6,894.64
256.2	8	115,295	2,049.6	4,388,973	3,996,337.4	\$7,404.51	\$7,882.56
256.3	3	115,298	768.9	4,389,742	3,995,568.5	\$2,777.75	\$2,957.08
256.4	1	115,299	256.4	4,389,999	3,995,312.1	\$926.27	\$986.06
256.5	4	115,303	1,026.0	4,391,025	3,994,286.1	\$3,706.49	\$3,945.75
256.6	4	115,307	1,026.4	4,392,051	3,993,259.7	\$3,707.91	\$3,947.23
256.7	2	115,309	513.4	4,392,564	3,992,746.3	\$1,854.66	\$1,974.36
256.8	5	115,314	1,284.0	4,393,848	3,991,462.3	\$4,638.41	\$4,937.76
256.9	2	115,316	513.8	4,394,362	3,990,948.5	\$1,856.07	\$1,975.85
257	10	115,326	2,570.0	4,396,932	3,988,378.5	\$9,283.89	\$9,882.97
257.2	5	115,331	1,286.0	4,398,218	3,987,092.5	\$4,645.47	\$4,945.21
257.3	3	115,334	771.9	4,398,990	3,986,320.6	\$2,788.34	\$2,968.24
257.4	1	115,335	257.4	4,399,247	3,986,063.2	\$929.80	\$989.79
257.5	4	115,339	1,030.0	4,400,277	3,985,033.2	\$3,720.62	\$3,960.63
257.6	4	115,343	1,030.4	4,401,308	3,984,002.8	\$3,722.03	\$3,962.12
257.8	4	115,347	1,031.2	4,402,339	3,982,971.6	\$3,724.85	\$3,965.10
257.9	5	115,352	1,289.5	4,403,629	3,981,682.1	\$4,657.83	\$4,958.23
258	7	115,359	1,806.0	4,405,435	3,979,876.1	\$6,523.44	\$6,944.13
258.1	5	115,364	1,290.5	4,406,725	3,978,585.6	\$4,661.36	\$4,961.95
258.2	3	115,367	774.6	4,407,500	3,977,811.0	\$2,797.88	\$2,978.29
258.3	3	115,370	774.9	4,408,275	3,977,036.1	\$2,798.94	\$2,979.40
258.4	3	115,373	775.2	4,409,050	3,976,260.9	\$2,800.00	\$2,980.52
258.5	2	115,375	517.0	4,409,567	3,975,743.9	\$1,867.37	\$1,987.76
258.6	8	115,383	2,068.8	4,411,636	3,973,675.1	\$7,472.31	\$7,954.00
258.7	1	115,384	258.7	4,411,894	3,973,416.4	\$934.39	\$994.62
258.8	4	115,388	1,035.2	4,412,929	3,972,381.2	\$3,738.98	\$3,979.98
258.9	4	115,392	1,035.6	4,413,965	3,971,345.6	\$3,740.39	\$3,981.47
259	6	115,398	1,554.0	4,415,519	3,969,791.6	\$5,612.70	\$5,974.43
259.1	4	115,402	1,036.4	4,416,555	3,968,755.2	\$3,743.21	\$3,984.44
259.2	4	115,406	1,036.8	4,417,592	3,967,718.4	\$3,744.63	\$3,985.93
259.3	3	115,409	777.9	4,418,370	3,966,940.5	\$2,809.53	\$2,990.57
259.4	2	115,411	518.8	4,418,889	3,966,421.7	\$1,873.73	\$1,994.45
259.5	4	115,415	1,038.0	4,419,927	3,965,383.7	\$3,748.86	\$3,990.40
259.6	3	115,418	778.8	4,420,706	3,964,604.9	\$2,812.71	\$2,993.91
259.7	3	115,421	779.1	4,421,485	3,963,825.8	\$2,813.77	\$2,995.03
259.8	4	115,425	1,039.2	4,422,524	3,962,786.6	\$3,753.10	\$3,994.86
259.9	1	115,426	259.9	4,422,784	3,962,526.7	\$938.63	\$999.09
260	11	115,437	2,860.0	4,425,644	3,959,666.7	\$10,328.80	\$10,994.06
260.1	4	115,441	1,040.4	4,426,684	3,958,626.3	\$3,757.34	\$3,999.33
260.2	1	115,442	260.2	4,426,945	3,958,366.1	\$939.69	\$1,000.20

**RATE SCHEDULE NT (Commerical/Industrial - Choice)****Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
260.3	2	115,444	520.6	4,427,465	3,957,845.5	\$1,880.08	\$2,001.15
260.4	2	115,446	520.8	4,427,986	3,957,324.7	\$1,880.79	\$2,001.90
260.5	4	115,450	1,042.0	4,429,028	3,956,282.7	\$3,762.99	\$4,005.28
260.6	3	115,453	781.8	4,429,810	3,955,500.9	\$2,823.30	\$3,005.08
260.7	3	115,456	782.1	4,430,592	3,954,718.8	\$2,824.36	\$3,006.19
260.9	3	115,459	782.7	4,431,375	3,953,936.1	\$2,826.48	\$3,008.43
261	14	115,473	3,654.0	4,435,029	3,950,282.1	\$13,195.17	\$14,044.53
261.1	5	115,478	1,305.5	4,436,334	3,948,976.6	\$4,714.33	\$5,017.77
261.2	2	115,480	522.4	4,436,856	3,948,454.2	\$1,886.44	\$2,007.85
261.4	1	115,481	261.4	4,437,118	3,948,192.8	\$943.92	\$1,004.67
261.5	3	115,484	784.5	4,437,902	3,947,408.3	\$2,832.83	\$3,015.12
261.7	8	115,492	2,093.6	4,439,996	3,945,314.7	\$7,559.87	\$8,046.29
261.8	5	115,497	1,309.0	4,441,305	3,944,005.7	\$4,726.69	\$5,030.79
261.9	3	115,500	785.7	4,442,091	3,943,220.0	\$2,837.07	\$3,019.59
262	3	115,503	786.0	4,442,877	3,942,434.0	\$2,838.13	\$3,020.71
262.1	5	115,508	1,310.5	4,444,187	3,941,123.5	\$4,731.98	\$5,036.37
262.2	2	115,510	524.4	4,444,712	3,940,599.1	\$1,893.50	\$2,015.29
262.3	3	115,513	786.9	4,445,498	3,939,812.2	\$2,841.31	\$3,024.05
262.4	6	115,519	1,574.4	4,447,073	3,938,237.8	\$5,684.73	\$6,050.34
262.5	6	115,525	1,575.0	4,448,648	3,936,662.8	\$5,686.85	\$6,052.58
262.6	1	115,526	262.6	4,448,910	3,936,400.2	\$948.16	\$1,009.13
262.7	2	115,528	525.4	4,449,436	3,935,874.8	\$1,897.03	\$2,019.01
262.8	4	115,532	1,051.2	4,450,487	3,934,823.6	\$3,795.47	\$4,039.52
262.9	2	115,534	525.8	4,451,013	3,934,297.8	\$1,898.44	\$2,020.50
263	5	115,539	1,315.0	4,452,328	3,932,982.8	\$4,747.87	\$5,053.12
263.1	1	115,540	263.1	4,452,591	3,932,719.7	\$949.93	\$1,011.00
263.2	4	115,544	1,052.8	4,453,644	3,931,666.9	\$3,801.12	\$4,045.47
263.3	3	115,547	789.9	4,454,434	3,930,877.0	\$2,851.90	\$3,035.22
263.4	3	115,550	790.2	4,455,224	3,930,086.8	\$2,852.96	\$3,036.33
263.5	2	115,552	527.0	4,455,751	3,929,559.8	\$1,902.68	\$2,024.97
263.6	1	115,553	263.6	4,456,014	3,929,296.2	\$951.69	\$1,012.86
263.7	1	115,554	263.7	4,456,278	3,929,032.5	\$952.05	\$1,013.23
263.8	2	115,556	527.6	4,456,806	3,928,504.9	\$1,904.80	\$2,027.20
263.9	2	115,558	527.8	4,457,334	3,927,977.1	\$1,905.50	\$2,027.94
264	8	115,566	2,112.0	4,459,446	3,925,865.1	\$7,624.84	\$8,114.75
264.1	4	115,570	1,056.4	4,460,502	3,924,808.7	\$3,813.83	\$4,058.86
264.2	2	115,572	528.4	4,461,030	3,924,280.3	\$1,907.62	\$2,030.18
264.3	1	115,573	264.3	4,461,295	3,924,016.0	\$954.16	\$1,015.46
264.4	3	115,576	793.2	4,462,088	3,923,222.8	\$2,863.55	\$3,047.50
264.5	3	115,579	793.5	4,462,881	3,922,429.3	\$2,864.61	\$3,048.61
264.6	4	115,583	1,058.4	4,463,940	3,921,370.9	\$3,820.89	\$4,066.31
264.7	4	115,587	1,058.8	4,464,999	3,920,312.1	\$3,822.31	\$4,067.79
264.8	2	115,589	529.6	4,465,528	3,919,782.5	\$1,911.86	\$2,034.64
264.9	2	115,591	529.8	4,466,058	3,919,252.7	\$1,912.57	\$2,035.39
265	6	115,597	1,590.0	4,467,648	3,917,662.7	\$5,739.82	\$6,108.39
265.1	3	115,600	795.3	4,468,443	3,916,867.4	\$2,870.97	\$3,055.31
265.2	4	115,604	1,060.8	4,469,504	3,915,806.6	\$3,829.37	\$4,075.24
265.3	2	115,606	530.6	4,470,035	3,915,276.0	\$1,915.39	\$2,038.36
265.4	3	115,609	796.2	4,470,831	3,914,479.8	\$2,874.15	\$3,058.66

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
265.5	4	115,613	1,062.0	4,471,893	3,913,417.8	\$3,833.61	\$4,079.70
265.6	2	115,615	531.2	4,472,424	3,912,886.6	\$1,917.51	\$2,040.60
265.7	4	115,619	1,062.8	4,473,487	3,911,823.8	\$3,836.43	\$4,082.68
265.8	5	115,624	1,329.0	4,474,816	3,910,494.8	\$4,797.30	\$5,105.21
265.9	4	115,628	1,063.6	4,475,879	3,909,431.2	\$3,839.26	\$4,085.66
266	4	115,632	1,064.0	4,476,943	3,908,367.2	\$3,840.67	\$4,087.14
266.1	4	115,636	1,064.4	4,478,008	3,907,302.8	\$3,842.08	\$4,088.63
266.2	3	115,639	798.6	4,478,806	3,906,504.2	\$2,882.62	\$3,067.59
266.3	3	115,642	798.9	4,479,605	3,905,705.3	\$2,883.68	\$3,068.71
266.5	7	115,649	1,865.5	4,481,471	3,903,839.8	\$6,733.53	\$7,165.53
266.6	6	115,655	1,599.6	4,483,070	3,902,240.2	\$5,773.71	\$6,144.11
266.7	2	115,657	533.4	4,483,604	3,901,706.8	\$1,925.28	\$2,048.78
266.8	1	115,658	266.8	4,483,871	3,901,440.0	\$962.99	\$1,024.76
267	2	115,660	534.0	4,484,405	3,900,906.0	\$1,927.40	\$2,051.01
267.1	4	115,664	1,068.4	4,485,473	3,899,837.6	\$3,856.20	\$4,103.52
267.2	5	115,669	1,336.0	4,486,809	3,898,501.6	\$4,822.02	\$5,131.26
267.3	5	115,674	1,336.5	4,488,146	3,897,165.1	\$4,823.79	\$5,133.12
267.4	2	115,676	534.8	4,488,680	3,896,630.3	\$1,930.22	\$2,053.99
267.5	2	115,678	535.0	4,489,215	3,896,095.3	\$1,930.93	\$2,054.74
267.6	4	115,682	1,070.4	4,490,286	3,895,024.9	\$3,863.27	\$4,110.96
267.7	2	115,684	535.4	4,490,821	3,894,489.5	\$1,932.34	\$2,056.22
267.9	5	115,689	1,339.5	4,492,161	3,893,150.0	\$4,834.38	\$5,144.28
268	3	115,692	804.0	4,492,965	3,892,346.0	\$2,901.69	\$3,087.68
268.1	4	115,696	1,072.4	4,494,037	3,891,273.6	\$3,870.33	\$4,118.40
268.2	2	115,698	536.4	4,494,573	3,890,737.2	\$1,935.87	\$2,059.94
268.3	4	115,702	1,073.2	4,495,647	3,889,664.0	\$3,873.15	\$4,121.38
268.4	3	115,705	805.2	4,496,452	3,888,858.8	\$2,905.92	\$3,092.15
268.5	5	115,710	1,342.5	4,497,794	3,887,516.3	\$4,844.97	\$5,155.44
268.6	1	115,711	268.6	4,498,063	3,887,247.7	\$969.35	\$1,031.46
268.7	2	115,713	537.4	4,498,600	3,886,710.3	\$1,939.40	\$2,063.67
268.8	2	115,715	537.6	4,499,138	3,886,172.7	\$1,940.11	\$2,064.41
268.9	2	115,717	537.8	4,499,676	3,885,634.9	\$1,940.81	\$2,065.15
269	4	115,721	1,076.0	4,500,752	3,884,558.9	\$3,883.04	\$4,131.80
269.1	2	115,723	538.2	4,501,290	3,884,020.7	\$1,942.23	\$2,066.64
269.2	4	115,727	1,076.8	4,502,367	3,882,943.9	\$3,885.86	\$4,134.77
269.3	2	115,729	538.6	4,502,905	3,882,405.3	\$1,943.64	\$2,068.13
269.4	5	115,734	1,347.0	4,504,252	3,881,058.3	\$4,860.86	\$5,172.19
269.5	3	115,737	808.5	4,505,061	3,880,249.8	\$2,917.58	\$3,104.43
269.6	3	115,740	808.8	4,505,870	3,879,441.0	\$2,918.63	\$3,105.54
269.7	5	115,745	1,348.5	4,507,218	3,878,092.5	\$4,866.16	\$5,177.77
269.8	3	115,748	809.4	4,508,028	3,877,283.1	\$2,920.75	\$3,107.78
269.9	5	115,753	1,349.5	4,509,377	3,875,933.6	\$4,869.69	\$5,181.49
270	6	115,759	1,620.0	4,510,997	3,874,313.6	\$5,845.74	\$6,220.02
270.1	1	115,760	270.1	4,511,267	3,874,043.5	\$974.64	\$1,037.04
270.2	5	115,765	1,351.0	4,512,618	3,872,692.5	\$4,874.98	\$5,187.07
270.3	5	115,770	1,351.5	4,513,970	3,871,341.0	\$4,876.75	\$5,188.93
270.4	4	115,774	1,081.6	4,515,051	3,870,259.4	\$3,902.81	\$4,152.63
270.6	2	115,776	541.2	4,515,592	3,869,718.2	\$1,952.82	\$2,077.81
270.7	4	115,780	1,082.8	4,516,675	3,868,635.4	\$3,907.05	\$4,157.10

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
270.8	3	115,783	812.4	4,517,488	3,867,823.0	\$2,931.35	\$3,118.94
271	4	115,787	1,084.0	4,518,572	3,866,739.0	\$3,911.29	\$4,161.56
271.1	1	115,788	271.1	4,518,843	3,866,467.9	\$978.17	\$1,040.76
271.2	3	115,791	813.6	4,519,656	3,865,654.3	\$2,935.58	\$3,123.41
271.3	1	115,792	271.3	4,519,928	3,865,383.0	\$978.88	\$1,041.51
271.4	4	115,796	1,085.6	4,521,013	3,864,297.4	\$3,916.94	\$4,167.52
271.5	2	115,798	543.0	4,521,556	3,863,754.4	\$1,959.17	\$2,084.50
271.6	3	115,801	814.8	4,522,371	3,862,939.6	\$2,939.82	\$3,127.87
271.7	3	115,804	815.1	4,523,186	3,862,124.5	\$2,940.88	\$3,128.99
271.8	1	115,805	271.8	4,523,458	3,861,852.7	\$980.65	\$1,043.37
271.9	4	115,809	1,087.6	4,524,546	3,860,765.1	\$3,924.00	\$4,174.96
272	4	115,813	1,088.0	4,525,634	3,859,677.1	\$3,925.41	\$4,176.45
272.1	2	115,815	544.2	4,526,178	3,859,132.9	\$1,963.41	\$2,088.97
272.2	1	115,816	272.2	4,526,450	3,858,860.7	\$982.06	\$1,044.86
272.3	2	115,818	544.6	4,526,995	3,858,316.1	\$1,964.82	\$2,090.46
272.4	3	115,821	817.2	4,527,812	3,857,498.9	\$2,948.29	\$3,136.80
272.5	7	115,828	1,907.5	4,529,719	3,855,591.4	\$6,881.82	\$7,321.81
272.6	1	115,829	272.6	4,529,992	3,855,318.8	\$983.47	\$1,046.34
272.7	1	115,830	272.7	4,530,265	3,855,046.1	\$983.82	\$1,046.72
272.8	4	115,834	1,091.2	4,531,356	3,853,954.9	\$3,936.71	\$4,188.36
272.9	4	115,838	1,091.6	4,532,447	3,852,863.3	\$3,938.12	\$4,189.84
273	10	115,848	2,730.0	4,535,177	3,850,133.3	\$9,848.83	\$10,478.33
273.1	5	115,853	1,365.5	4,536,543	3,848,767.8	\$4,926.18	\$5,241.03
273.2	6	115,859	1,639.2	4,538,182	3,847,128.6	\$5,913.54	\$6,291.46
273.3	2	115,861	546.6	4,538,729	3,846,582.0	\$1,971.88	\$2,097.90
273.4	6	115,867	1,640.4	4,540,369	3,844,941.6	\$5,917.77	\$6,295.93
273.5	4	115,871	1,094.0	4,541,463	3,843,847.6	\$3,946.59	\$4,198.77
273.6	3	115,874	820.8	4,542,284	3,843,026.8	\$2,961.01	\$3,150.20
273.7	2	115,876	547.4	4,542,831	3,842,479.4	\$1,974.71	\$2,100.88
273.8	6	115,882	1,642.8	4,544,474	3,840,836.6	\$5,926.25	\$6,304.86
273.9	1	115,883	273.9	4,544,748	3,840,562.7	\$988.06	\$1,051.18
274	6	115,889	1,644.0	4,546,392	3,838,918.7	\$5,930.48	\$6,309.32
274.1	4	115,893	1,096.4	4,547,488	3,837,822.3	\$3,955.07	\$4,207.70
274.2	4	115,897	1,096.8	4,548,585	3,836,725.5	\$3,956.48	\$4,209.19
274.3	6	115,903	1,645.8	4,550,231	3,835,079.7	\$5,936.84	\$6,316.02
274.4	1	115,904	274.4	4,550,505	3,834,805.3	\$989.83	\$1,053.04
274.5	7	115,911	1,921.5	4,552,427	3,832,883.8	\$6,931.26	\$7,373.90
274.6	3	115,914	823.8	4,553,251	3,832,060.0	\$2,971.60	\$3,161.36
274.8	1	115,915	274.8	4,553,525	3,831,785.2	\$991.24	\$1,054.53
274.9	4	115,919	1,099.6	4,554,625	3,830,685.6	\$3,966.37	\$4,219.61
275	7	115,926	1,925.0	4,556,550	3,828,760.6	\$6,943.62	\$7,386.93
275.1	2	115,928	550.2	4,557,100	3,828,210.4	\$1,984.60	\$2,111.29
275.2	4	115,932	1,100.8	4,558,201	3,827,109.6	\$3,970.60	\$4,224.08
275.3	1	115,933	275.3	4,558,476	3,826,834.3	\$993.00	\$1,056.39
275.4	2	115,935	550.8	4,559,027	3,826,283.5	\$1,986.71	\$2,113.53
275.5	3	115,938	826.5	4,559,854	3,825,457.0	\$2,981.13	\$3,171.41
275.6	3	115,941	826.8	4,560,680	3,824,630.2	\$2,982.19	\$3,172.52
275.7	5	115,946	1,378.5	4,562,059	3,823,251.7	\$4,972.08	\$5,289.40
275.8	4	115,950	1,103.2	4,563,162	3,822,148.5	\$3,979.08	\$4,233.01

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
275.9	4	115,954	1,103.6	4,564,266	3,821,044.9	\$3,980.49	\$4,234.50
276	7	115,961	1,932.0	4,566,198	3,819,112.9	\$6,968.33	\$7,412.97
276.1	5	115,966	1,380.5	4,567,578	3,817,732.4	\$4,979.14	\$5,296.84
276.2	4	115,970	1,104.8	4,568,683	3,816,627.6	\$3,984.73	\$4,238.96
276.3	2	115,972	552.6	4,569,236	3,816,075.0	\$1,993.07	\$2,120.22
276.4	2	115,974	552.8	4,569,788	3,815,522.2	\$1,993.78	\$2,120.97
276.5	7	115,981	1,935.5	4,571,724	3,813,586.7	\$6,980.69	\$7,426.00
276.6	3	115,984	829.8	4,572,554	3,812,756.9	\$2,992.78	\$3,183.69
276.7	7	115,991	1,936.9	4,574,491	3,810,820.0	\$6,985.63	\$7,431.20
276.8	1	115,992	276.8	4,574,767	3,810,543.2	\$998.30	\$1,061.97
276.9	2	115,994	553.8	4,575,321	3,809,989.4	\$1,997.31	\$2,124.69
277	3	115,997	831.0	4,576,152	3,809,158.4	\$2,997.02	\$3,188.15
277.1	2	115,999	554.2	4,576,706	3,808,604.2	\$1,998.72	\$2,126.18
277.2	1	116,000	277.2	4,576,984	3,808,327.0	\$999.71	\$1,063.46
277.3	3	116,003	831.9	4,577,816	3,807,495.1	\$3,000.20	\$3,191.50
277.4	3	116,006	832.2	4,578,648	3,806,662.9	\$3,001.26	\$3,192.62
277.5	1	116,007	277.5	4,578,925	3,806,385.4	\$1,000.77	\$1,064.58
277.6	3	116,010	832.8	4,579,758	3,805,552.6	\$3,003.38	\$3,194.85
277.7	4	116,014	1,110.8	4,580,869	3,804,441.8	\$4,005.91	\$4,261.29
277.8	4	116,018	1,111.2	4,581,980	3,803,330.6	\$4,007.33	\$4,262.78
278	5	116,023	1,390.0	4,583,370	3,801,940.6	\$5,012.69	\$5,332.19
278.1	3	116,026	834.3	4,584,204	3,801,106.3	\$3,008.67	\$3,200.43
278.2	4	116,030	1,112.8	4,585,317	3,799,993.5	\$4,012.98	\$4,268.73
278.3	4	116,034	1,113.2	4,586,430	3,798,880.3	\$4,014.39	\$4,270.22
278.4	6	116,040	1,670.4	4,588,101	3,797,209.9	\$6,023.70	\$6,407.56
278.5	7	116,047	1,949.5	4,590,050	3,795,260.4	\$7,030.12	\$7,478.09
278.6	2	116,049	557.2	4,590,607	3,794,703.2	\$2,009.31	\$2,137.34
278.7	6	116,055	1,672.2	4,592,280	3,793,031.0	\$6,030.06	\$6,414.26
278.8	1	116,056	278.8	4,592,558	3,792,752.2	\$1,005.36	\$1,069.41
278.9	5	116,061	1,394.5	4,593,953	3,791,357.7	\$5,028.58	\$5,348.93
279	7	116,068	1,953.0	4,595,906	3,789,404.7	\$7,042.48	\$7,491.11
279.1	2	116,070	558.2	4,596,464	3,788,846.5	\$2,012.84	\$2,141.06
279.2	1	116,071	279.2	4,596,743	3,788,567.3	\$1,006.77	\$1,070.90
279.3	4	116,075	1,117.2	4,597,861	3,787,450.1	\$4,028.51	\$4,285.10
279.4	4	116,079	1,117.6	4,598,978	3,786,332.5	\$4,029.92	\$4,286.59
279.5	1	116,080	279.5	4,599,258	3,786,053.0	\$1,007.83	\$1,072.02
279.6	4	116,084	1,118.4	4,600,376	3,784,934.6	\$4,032.75	\$4,289.57
279.7	7	116,091	1,957.9	4,602,334	3,782,976.7	\$7,059.78	\$7,509.35
279.8	4	116,095	1,119.2	4,603,453	3,781,857.5	\$4,035.57	\$4,292.54
279.9	3	116,098	839.7	4,604,293	3,781,017.8	\$3,027.74	\$3,220.52
280	11	116,109	3,080.0	4,607,373	3,777,937.8	\$11,105.59	\$11,812.68
280.1	5	116,114	1,400.5	4,608,773	3,776,537.3	\$5,049.76	\$5,371.26
280.2	1	116,115	280.2	4,609,054	3,776,257.1	\$1,010.31	\$1,074.62
280.3	3	116,118	840.9	4,609,894	3,775,416.2	\$3,031.98	\$3,224.99
280.4	3	116,121	841.2	4,610,736	3,774,575.0	\$3,033.04	\$3,226.11
280.5	3	116,124	841.5	4,611,577	3,773,733.5	\$3,034.09	\$3,227.22
280.6	2	116,126	561.2	4,612,138	3,773,172.3	\$2,023.44	\$2,152.23
280.7	5	116,131	1,403.5	4,613,542	3,771,768.8	\$5,060.36	\$5,382.42
280.8	3	116,134	842.4	4,614,384	3,770,926.4	\$3,037.27	\$3,230.57

**RATE SCHEDULE NT (Commerical/Industrial - Choice)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
280.9	3	116,137	842.7	4,615,227	3,770,083.7	\$3,038.33	\$3,231.69
281	1	116,138	281.0	4,615,508	3,769,802.7	\$1,013.13	\$1,077.60
281.1	1	116,139	281.1	4,615,789	3,769,521.6	\$1,013.48	\$1,077.97
281.2	2	116,141	562.4	4,616,351	3,768,959.2	\$2,027.67	\$2,156.69
281.3	2	116,143	562.6	4,616,914	3,768,396.6	\$2,028.38	\$2,157.43
281.4	2	116,145	562.8	4,617,477	3,767,833.8	\$2,029.09	\$2,158.18
281.5	1	116,146	281.5	4,617,758	3,767,552.3	\$1,014.90	\$1,079.46
281.6	1	116,147	281.6	4,618,040	3,767,270.7	\$1,015.25	\$1,079.83
281.7	4	116,151	1,126.8	4,619,167	3,766,143.9	\$4,062.41	\$4,320.82
281.8	1	116,152	281.8	4,619,449	3,765,862.1	\$1,015.96	\$1,080.58
281.9	1	116,153	281.9	4,619,730	3,765,580.2	\$1,016.31	\$1,080.95
282	11	116,164	3,102.0	4,622,832	3,762,478.2	\$11,183.27	\$11,894.54
282.1	3	116,167	846.3	4,623,679	3,761,631.9	\$3,051.04	\$3,245.08
282.2	1	116,168	282.2	4,623,961	3,761,349.7	\$1,017.37	\$1,082.07
282.3	1	116,169	282.3	4,624,243	3,761,067.4	\$1,017.72	\$1,082.44
282.4	2	116,171	564.8	4,624,808	3,760,502.6	\$2,036.15	\$2,165.62
282.5	3	116,174	847.5	4,625,656	3,759,655.1	\$3,055.28	\$3,249.55
282.6	2	116,176	565.2	4,626,221	3,759,089.9	\$2,037.56	\$2,167.11
282.7	3	116,179	848.1	4,627,069	3,758,241.8	\$3,057.40	\$3,251.78
282.8	6	116,185	1,696.8	4,628,766	3,756,545.0	\$6,116.92	\$6,505.79
282.9	1	116,186	282.9	4,629,049	3,756,262.1	\$1,019.84	\$1,084.67
283	6	116,192	1,698.0	4,630,747	3,754,564.1	\$6,121.15	\$6,510.26
283.1	3	116,195	849.3	4,631,596	3,753,714.8	\$3,061.64	\$3,256.25
283.2	5	116,200	1,416.0	4,633,012	3,752,298.8	\$5,104.49	\$5,428.94
283.3	2	116,202	566.6	4,633,578	3,751,732.2	\$2,042.50	\$2,172.32
283.4	4	116,206	1,133.6	4,634,712	3,750,598.6	\$4,086.42	\$4,346.13
283.5	3	116,209	850.5	4,635,563	3,749,748.1	\$3,065.87	\$3,260.71
283.6	2	116,211	567.2	4,636,130	3,749,180.9	\$2,044.62	\$2,174.55
283.7	3	116,214	851.1	4,636,981	3,748,329.8	\$3,067.99	\$3,262.94
283.8	2	116,216	567.6	4,637,548	3,747,762.2	\$2,046.03	\$2,176.04
283.9	2	116,218	567.8	4,638,116	3,747,194.4	\$2,046.74	\$2,176.78
284	9	116,227	2,556.0	4,640,672	3,744,638.4	\$9,213.51	\$9,798.88
284.1	3	116,230	852.3	4,641,525	3,743,786.1	\$3,072.23	\$3,267.41
284.2	4	116,234	1,136.8	4,642,661	3,742,649.3	\$4,097.72	\$4,358.03
284.3	5	116,239	1,421.5	4,644,083	3,741,227.8	\$5,123.91	\$5,449.40
284.4	5	116,244	1,422.0	4,645,505	3,739,805.8	\$5,125.68	\$5,451.26
284.5	3	116,247	853.5	4,646,358	3,738,952.3	\$3,076.47	\$3,271.87
284.6	3	116,250	853.8	4,647,212	3,738,098.5	\$3,077.52	\$3,272.99
284.7	2	116,252	569.4	4,647,782	3,737,529.1	\$2,052.39	\$2,182.74
284.8	1	116,253	284.8	4,648,066	3,737,244.3	\$1,026.55	\$1,091.74
284.9	4	116,257	1,139.6	4,649,206	3,736,104.7	\$4,107.60	\$4,368.45
285	3	116,260	855.0	4,650,061	3,735,249.7	\$3,081.76	\$3,277.46
285.1	4	116,264	1,140.4	4,651,201	3,734,109.3	\$4,110.43	\$4,371.43
285.2	1	116,265	285.2	4,651,487	3,733,824.1	\$1,027.96	\$1,093.23
285.3	2	116,267	570.6	4,652,057	3,733,253.5	\$2,056.63	\$2,187.20
285.5	3	116,270	856.5	4,652,914	3,732,397.0	\$3,087.06	\$3,283.04
285.6	1	116,271	285.6	4,653,199	3,732,111.4	\$1,029.37	\$1,094.72
285.7	7	116,278	1,999.9	4,655,199	3,730,111.5	\$7,208.08	\$7,665.63
285.8	2	116,280	571.6	4,655,771	3,729,539.9	\$2,060.16	\$2,190.92

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
285.9	2	116,282	571.8	4,656,343	3,728,968.1	\$2,060.86	\$2,191.67
286	4	116,286	1,144.0	4,657,487	3,727,824.1	\$4,123.14	\$4,384.82
286.1	2	116,288	572.2	4,658,059	3,727,251.9	\$2,062.28	\$2,193.16
286.2	5	116,293	1,431.0	4,659,490	3,725,820.9	\$5,157.46	\$5,484.75
286.3	4	116,297	1,145.2	4,660,635	3,724,675.7	\$4,127.38	\$4,389.29
286.4	1	116,298	286.4	4,660,921	3,724,389.3	\$1,032.20	\$1,097.69
286.5	2	116,300	573.0	4,661,494	3,723,816.3	\$2,065.10	\$2,196.13
286.6	2	116,302	573.2	4,662,068	3,723,243.1	\$2,065.81	\$2,196.88
286.7	2	116,304	573.4	4,662,641	3,722,669.7	\$2,066.51	\$2,197.62
286.8	2	116,306	573.6	4,663,215	3,722,096.1	\$2,067.22	\$2,198.37
286.9	3	116,309	860.7	4,664,075	3,721,235.4	\$3,101.89	\$3,298.66
287	6	116,315	1,722.0	4,665,797	3,719,513.4	\$6,205.89	\$6,599.56
287.1	1	116,316	287.1	4,666,084	3,719,226.3	\$1,034.67	\$1,100.30
287.2	3	116,319	861.6	4,666,946	3,718,364.7	\$3,105.07	\$3,302.01
287.3	4	116,323	1,149.2	4,668,095	3,717,215.5	\$4,141.50	\$4,404.17
287.4	5	116,328	1,437.0	4,669,532	3,715,778.5	\$5,178.64	\$5,507.08
287.5	4	116,332	1,150.0	4,670,682	3,714,628.5	\$4,144.33	\$4,407.15
287.6	2	116,334	575.2	4,671,257	3,714,053.3	\$2,072.87	\$2,204.32
287.7	3	116,337	863.1	4,672,120	3,713,190.2	\$3,110.36	\$3,307.60
287.8	4	116,341	1,151.2	4,673,272	3,712,039.0	\$4,148.56	\$4,411.62
288	9	116,350	2,592.0	4,675,864	3,709,447.0	\$9,340.62	\$9,932.83
288.1	3	116,353	864.3	4,676,728	3,708,582.7	\$3,114.60	\$3,312.06
288.2	5	116,358	1,441.0	4,678,169	3,707,141.7	\$5,192.76	\$5,521.96
288.3	1	116,359	288.3	4,678,457	3,706,853.4	\$1,038.91	\$1,104.76
288.4	3	116,362	865.2	4,679,322	3,705,988.2	\$3,117.78	\$3,315.41
288.5	1	116,363	288.5	4,679,611	3,705,699.7	\$1,039.61	\$1,105.51
288.6	1	116,364	288.6	4,679,900	3,705,411.1	\$1,039.97	\$1,105.88
288.7	1	116,365	288.7	4,680,188	3,705,122.4	\$1,040.32	\$1,106.25
288.8	4	116,369	1,155.2	4,681,343	3,703,967.2	\$4,162.69	\$4,426.50
289	7	116,376	2,023.0	4,683,366	3,701,944.2	\$7,289.64	\$7,751.58
289.1	4	116,380	1,156.4	4,684,523	3,700,787.8	\$4,166.92	\$4,430.96
289.2	2	116,382	578.4	4,685,101	3,700,209.4	\$2,084.17	\$2,216.23
289.4	5	116,387	1,447.0	4,686,548	3,698,762.4	\$5,213.95	\$5,544.29
289.5	3	116,390	868.5	4,687,417	3,697,893.9	\$3,129.43	\$3,327.69
289.6	2	116,392	579.2	4,687,996	3,697,314.7	\$2,086.99	\$2,219.20
289.7	3	116,395	869.1	4,688,865	3,696,445.6	\$3,131.55	\$3,329.92
289.8	7	116,402	2,028.6	4,690,894	3,694,417.0	\$7,309.42	\$7,772.42
289.9	4	116,406	1,159.6	4,692,053	3,693,257.4	\$4,178.22	\$4,442.87
290	8	116,414	2,320.0	4,694,373	3,690,937.4	\$8,359.27	\$8,888.72
290.1	1	116,415	290.1	4,694,663	3,690,647.3	\$1,045.26	\$1,111.46
290.3	5	116,420	1,451.5	4,696,115	3,689,195.8	\$5,229.84	\$5,561.03
290.4	3	116,423	871.2	4,696,986	3,688,324.6	\$3,138.96	\$3,337.74
290.6	4	116,427	1,162.4	4,698,148	3,687,162.2	\$4,188.11	\$4,453.29
290.7	4	116,431	1,162.8	4,699,311	3,685,999.4	\$4,189.52	\$4,454.78
290.8	6	116,437	1,744.8	4,701,056	3,684,254.6	\$6,286.40	\$6,684.40
290.9	1	116,438	290.9	4,701,347	3,683,963.7	\$1,048.09	\$1,114.44
291	1	116,439	291.0	4,701,638	3,683,672.7	\$1,048.44	\$1,114.81
291.1	3	116,442	873.3	4,702,511	3,682,799.4	\$3,146.38	\$3,345.55
291.2	2	116,444	582.4	4,703,094	3,682,217.0	\$2,098.29	\$2,231.11

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
291.3	2	116,446	582.6	4,703,676	3,681,634.4	\$2,099.00	\$2,231.85
291.4	3	116,449	874.2	4,704,550	3,680,760.2	\$3,149.56	\$3,348.90
291.5	7	116,456	2,040.5	4,706,591	3,678,719.7	\$7,351.43	\$7,816.70
291.6	7	116,463	2,041.2	4,708,632	3,676,678.5	\$7,353.91	\$7,819.31
291.7	2	116,465	583.4	4,709,216	3,676,095.1	\$2,101.82	\$2,234.83
291.8	1	116,466	291.8	4,709,507	3,675,803.3	\$1,051.26	\$1,117.79
291.9	1	116,467	291.9	4,709,799	3,675,511.4	\$1,051.62	\$1,118.16
292	7	116,474	2,044.0	4,711,843	3,673,467.4	\$7,363.79	\$7,829.72
292.2	2	116,476	584.4	4,712,428	3,672,883.0	\$2,105.35	\$2,238.55
292.3	1	116,477	292.3	4,712,720	3,672,590.7	\$1,053.03	\$1,119.65
292.4	4	116,481	1,169.6	4,713,890	3,671,421.1	\$4,213.53	\$4,480.08
292.5	3	116,484	877.5	4,714,767	3,670,543.6	\$3,161.21	\$3,361.18
292.6	4	116,488	1,170.4	4,715,937	3,669,373.2	\$4,216.36	\$4,483.06
292.7	3	116,491	878.1	4,716,816	3,668,495.1	\$3,163.33	\$3,363.41
292.8	2	116,493	585.6	4,717,401	3,667,909.5	\$2,109.59	\$2,243.02
292.9	2	116,495	585.8	4,717,987	3,667,323.7	\$2,110.30	\$2,243.76
293	6	116,501	1,758.0	4,719,745	3,665,565.7	\$6,333.01	\$6,733.52
293.1	2	116,503	586.2	4,720,331	3,664,979.5	\$2,111.71	\$2,245.25
293.2	4	116,507	1,172.8	4,721,504	3,663,806.7	\$4,224.83	\$4,491.99
293.3	2	116,509	586.6	4,722,091	3,663,220.1	\$2,113.12	\$2,246.74
293.4	2	116,511	586.8	4,722,677	3,662,633.3	\$2,113.83	\$2,247.48
293.5	3	116,514	880.5	4,723,558	3,661,752.8	\$3,171.80	\$3,372.34
293.6	2	116,516	587.2	4,724,145	3,661,165.6	\$2,115.24	\$2,248.97
293.7	1	116,517	293.7	4,724,439	3,660,871.9	\$1,057.97	\$1,124.86
293.8	2	116,519	587.6	4,725,026	3,660,284.3	\$2,116.65	\$2,250.46
293.9	3	116,522	881.7	4,725,908	3,659,402.6	\$3,176.04	\$3,376.81
294	7	116,529	2,058.0	4,727,966	3,657,344.6	\$7,413.22	\$7,881.82
294.1	1	116,530	294.1	4,728,260	3,657,050.5	\$1,059.39	\$1,126.35
294.2	2	116,532	588.4	4,728,849	3,656,462.1	\$2,119.48	\$2,253.44
294.3	1	116,533	294.3	4,729,143	3,656,167.8	\$1,060.09	\$1,127.09
294.4	5	116,538	1,472.0	4,730,615	3,654,695.8	\$5,302.22	\$5,637.31
294.5	3	116,541	883.5	4,731,498	3,653,812.3	\$3,182.39	\$3,383.50
294.6	3	116,544	883.8	4,732,382	3,652,928.5	\$3,183.45	\$3,384.62
294.7	2	116,546	589.4	4,732,972	3,652,339.1	\$2,123.01	\$2,257.16
294.8	1	116,547	294.8	4,733,266	3,652,044.3	\$1,061.86	\$1,128.95
294.9	4	116,551	1,179.6	4,734,446	3,650,864.7	\$4,248.84	\$4,517.29
295.2	2	116,553	590.4	4,735,036	3,650,274.3	\$2,126.54	\$2,260.88
295.3	4	116,557	1,181.2	4,736,218	3,649,093.1	\$4,254.49	\$4,523.25
295.5	4	116,561	1,182.0	4,737,400	3,647,911.1	\$4,257.31	\$4,526.22
295.6	4	116,565	1,182.4	4,738,582	3,646,728.7	\$4,258.73	\$4,527.71
295.7	5	116,570	1,478.5	4,740,060	3,645,250.2	\$5,325.17	\$5,661.50
295.8	5	116,575	1,479.0	4,741,539	3,643,771.2	\$5,326.94	\$5,663.36
295.9	4	116,579	1,183.6	4,742,723	3,642,587.6	\$4,262.96	\$4,532.18
296	4	116,583	1,184.0	4,743,907	3,641,403.6	\$4,264.38	\$4,533.66
296.1	4	116,587	1,184.4	4,745,091	3,640,219.2	\$4,265.79	\$4,535.15
296.2	5	116,592	1,481.0	4,746,572	3,638,738.2	\$5,334.00	\$5,670.80
296.3	3	116,595	888.9	4,747,461	3,637,849.3	\$3,201.46	\$3,403.60
296.4	3	116,598	889.2	4,748,351	3,636,960.1	\$3,202.52	\$3,404.71
296.5	7	116,605	2,075.5	4,750,426	3,634,884.6	\$7,475.02	\$7,946.94



## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
296.6	3	116,608	889.8	4,751,316	3,633,994.8	\$3,204.64	\$3,406.95
296.7	5	116,613	1,483.5	4,752,799	3,632,511.3	\$5,342.83	\$5,680.10
296.8	2	116,615	593.6	4,753,393	3,631,917.7	\$2,137.84	\$2,272.79
296.9	1	116,616	296.9	4,753,690	3,631,620.8	\$1,069.27	\$1,136.76
297	2	116,618	594.0	4,754,284	3,631,026.8	\$2,139.25	\$2,274.27
297.1	5	116,623	1,485.5	4,755,769	3,629,541.3	\$5,349.89	\$5,687.55
297.2	2	116,625	594.4	4,756,364	3,628,946.9	\$2,140.66	\$2,275.76
297.3	3	116,628	891.9	4,757,256	3,628,055.0	\$3,212.05	\$3,414.76
297.4	1	116,629	297.4	4,757,553	3,627,757.6	\$1,071.04	\$1,138.63
297.5	1	116,630	297.5	4,757,851	3,627,460.1	\$1,071.39	\$1,139.00
297.6	2	116,632	595.2	4,758,446	3,626,864.9	\$2,143.49	\$2,278.74
297.7	4	116,636	1,190.8	4,759,637	3,625,674.1	\$4,288.39	\$4,558.97
297.8	5	116,641	1,489.0	4,761,126	3,624,185.1	\$5,362.25	\$5,700.57
297.9	4	116,645	1,191.6	4,762,317	3,622,993.5	\$4,291.21	\$4,561.94
298	3	116,648	894.0	4,763,211	3,622,099.5	\$3,219.47	\$3,422.57
298.1	5	116,653	1,490.5	4,764,702	3,620,609.0	\$5,367.54	\$5,706.15
298.2	2	116,655	596.4	4,765,298	3,620,012.6	\$2,147.72	\$2,283.20
298.4	2	116,657	596.8	4,765,895	3,619,415.8	\$2,149.14	\$2,284.69
298.5	5	116,662	1,492.5	4,767,387	3,617,923.3	\$5,374.61	\$5,713.59
298.6	1	116,663	298.6	4,767,686	3,617,624.7	\$1,075.27	\$1,143.09
298.7	4	116,667	1,194.8	4,768,881	3,616,429.9	\$4,302.51	\$4,573.85
298.8	3	116,670	896.4	4,769,777	3,615,533.5	\$3,227.94	\$3,431.50
298.9	2	116,672	597.8	4,770,375	3,614,935.7	\$2,152.67	\$2,288.41
299	6	116,678	1,794.0	4,772,169	3,613,141.7	\$6,460.12	\$6,867.47
299.1	4	116,682	1,196.4	4,773,365	3,611,945.3	\$4,308.16	\$4,579.80
299.2	3	116,685	897.6	4,774,263	3,611,047.7	\$3,232.18	\$3,435.97
299.3	2	116,687	598.6	4,774,862	3,610,449.1	\$2,155.49	\$2,291.39
299.4	1	116,688	299.4	4,775,161	3,610,149.7	\$1,078.10	\$1,146.07
299.5	2	116,690	599.0	4,775,760	3,609,550.7	\$2,156.90	\$2,292.88
299.6	2	116,692	599.2	4,776,359	3,608,951.5	\$2,157.61	\$2,293.62
299.7	2	116,694	599.4	4,776,959	3,608,352.1	\$2,158.32	\$2,294.37
299.8	3	116,697	899.4	4,777,858	3,607,452.7	\$3,238.53	\$3,442.67
299.9	4	116,701	1,199.6	4,779,058	3,606,253.1	\$4,319.46	\$4,591.71
300	10	116,711	3,000.0	4,782,058	3,603,253.1	\$10,802.18	\$11,483.00
300.1	3	116,714	900.3	4,782,958	3,602,352.8	\$3,241.71	\$3,446.02
300.2	2	116,716	600.4	4,783,558	3,601,752.4	\$2,161.85	\$2,298.09
300.4	4	116,720	1,201.6	4,784,760	3,600,550.8	\$4,326.52	\$4,599.15
300.6	2	116,722	601.2	4,785,361	3,599,949.6	\$2,164.67	\$2,301.07
300.8	4	116,726	1,203.2	4,786,564	3,598,746.4	\$4,332.17	\$4,605.11
301	6	116,732	1,806.0	4,788,370	3,596,940.4	\$6,502.49	\$6,912.13
301.1	3	116,735	903.3	4,789,274	3,596,037.1	\$3,252.30	\$3,457.18
301.2	1	116,736	301.2	4,789,575	3,595,735.9	\$1,084.45	\$1,152.77
301.3	1	116,737	301.3	4,789,876	3,595,434.6	\$1,084.81	\$1,153.14
301.4	3	116,740	904.2	4,790,780	3,594,530.4	\$3,255.48	\$3,460.53
301.5	1	116,741	301.5	4,791,082	3,594,228.9	\$1,085.51	\$1,153.88
301.6	4	116,745	1,206.4	4,792,288	3,593,022.5	\$4,343.47	\$4,617.01
301.7	2	116,747	603.4	4,792,892	3,592,419.1	\$2,172.44	\$2,309.25
301.8	2	116,749	603.6	4,793,495	3,591,815.5	\$2,173.15	\$2,310.00
302	4	116,753	1,208.0	4,794,703	3,590,607.5	\$4,349.12	\$4,622.97

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
302.1	2	116,755	604.2	4,795,307	3,590,003.3	\$2,175.26	\$2,312.23
302.2	1	116,756	302.2	4,795,610	3,589,701.1	\$1,087.99	\$1,156.49
302.3	1	116,757	302.3	4,795,912	3,589,398.8	\$1,088.34	\$1,156.86
302.4	1	116,758	302.4	4,796,214	3,589,096.4	\$1,088.69	\$1,157.23
302.5	1	116,759	302.5	4,796,517	3,588,793.9	\$1,089.04	\$1,157.60
302.6	4	116,763	1,210.4	4,797,727	3,587,583.5	\$4,357.59	\$4,631.90
302.7	2	116,765	605.4	4,798,333	3,586,978.1	\$2,179.50	\$2,316.69
302.8	4	116,769	1,211.2	4,799,544	3,585,766.9	\$4,360.42	\$4,634.88
302.9	1	116,770	302.9	4,799,847	3,585,464.0	\$1,090.46	\$1,159.09
303	5	116,775	1,515.0	4,801,362	3,583,949.0	\$5,454.05	\$5,797.32
303.1	4	116,779	1,212.4	4,802,574	3,582,736.6	\$4,364.65	\$4,639.34
303.2	1	116,780	303.2	4,802,877	3,582,433.4	\$1,091.52	\$1,160.21
303.3	2	116,782	606.6	4,803,484	3,581,826.8	\$2,183.74	\$2,321.16
303.4	4	116,786	1,213.6	4,804,697	3,580,613.2	\$4,368.89	\$4,643.81
303.5	2	116,788	607.0	4,805,304	3,580,006.2	\$2,185.15	\$2,322.65
303.6	2	116,790	607.2	4,805,912	3,579,399.0	\$2,185.86	\$2,323.39
303.7	2	116,792	607.4	4,806,519	3,578,791.6	\$2,186.56	\$2,324.14
303.8	2	116,794	607.6	4,807,127	3,578,184.0	\$2,187.27	\$2,324.88
303.9	3	116,797	911.7	4,808,038	3,577,272.3	\$3,281.96	\$3,488.44
304	6	116,803	1,824.0	4,809,862	3,575,448.3	\$6,566.05	\$6,979.10
304.1	2	116,805	608.2	4,810,471	3,574,840.1	\$2,189.39	\$2,327.11
304.2	3	116,808	912.6	4,811,383	3,573,927.5	\$3,285.14	\$3,491.78
304.5	3	116,811	913.5	4,812,297	3,573,014.0	\$3,288.32	\$3,495.13
304.6	3	116,814	913.8	4,813,210	3,572,100.2	\$3,289.38	\$3,496.25
304.7	5	116,819	1,523.5	4,814,734	3,570,576.7	\$5,484.06	\$5,828.94
304.8	5	116,824	1,524.0	4,816,258	3,569,052.7	\$5,485.83	\$5,830.80
304.9	3	116,827	914.7	4,817,173	3,568,138.0	\$3,292.56	\$3,499.60
305	2	116,829	610.0	4,817,783	3,567,528.0	\$2,195.74	\$2,333.81
305.2	3	116,832	915.6	4,818,698	3,566,612.4	\$3,295.73	\$3,502.95
305.3	1	116,833	305.3	4,819,004	3,566,307.1	\$1,098.93	\$1,168.02
305.4	1	116,834	305.4	4,819,309	3,566,001.7	\$1,099.28	\$1,168.39
305.5	3	116,837	916.5	4,820,225	3,565,085.2	\$3,298.91	\$3,506.30
305.6	1	116,838	305.6	4,820,531	3,564,779.6	\$1,099.99	\$1,169.14
305.7	1	116,839	305.7	4,820,837	3,564,473.9	\$1,100.34	\$1,169.51
305.8	2	116,841	611.6	4,821,448	3,563,862.3	\$2,201.39	\$2,339.76
305.9	2	116,843	611.8	4,822,060	3,563,250.5	\$2,202.10	\$2,340.51
306	9	116,852	2,754.0	4,824,814	3,560,496.5	\$9,912.63	\$10,535.63
306.2	2	116,854	612.4	4,825,427	3,559,884.1	\$2,204.22	\$2,342.74
306.3	2	116,856	612.6	4,826,039	3,559,271.5	\$2,204.92	\$2,343.48
306.4	3	116,859	919.2	4,826,958	3,558,352.3	\$3,308.45	\$3,516.34
306.5	5	116,864	1,532.5	4,828,491	3,556,819.8	\$5,515.84	\$5,862.43
306.6	3	116,867	919.8	4,829,411	3,555,900.0	\$3,310.56	\$3,518.58
306.7	1	116,868	306.7	4,829,717	3,555,593.3	\$1,103.87	\$1,173.23
306.8	3	116,871	920.4	4,830,638	3,554,672.9	\$3,312.68	\$3,520.81
306.9	3	116,874	920.7	4,831,558	3,553,752.2	\$3,313.74	\$3,521.92
307	10	116,884	3,070.0	4,834,628	3,550,682.2	\$11,049.34	\$11,743.47
307.1	2	116,886	614.2	4,835,243	3,550,068.0	\$2,210.57	\$2,349.44
307.2	2	116,888	614.4	4,835,857	3,549,453.6	\$2,211.28	\$2,350.18
307.3	5	116,893	1,536.5	4,837,394	3,547,917.1	\$5,529.97	\$5,877.32

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
307.4	2	116,895	614.8	4,838,008	3,547,302.3	\$2,212.69	\$2,351.67
307.5	1	116,896	307.5	4,838,316	3,546,994.8	\$1,106.70	\$1,176.21
307.6	2	116,898	615.2	4,838,931	3,546,379.6	\$2,214.10	\$2,353.16
307.8	2	116,900	615.6	4,839,547	3,545,764.0	\$2,215.52	\$2,354.65
307.9	2	116,902	615.8	4,840,162	3,545,148.2	\$2,216.22	\$2,355.39
308	3	116,905	924.0	4,841,086	3,544,224.2	\$3,325.39	\$3,534.20
308.1	4	116,909	1,232.4	4,842,319	3,542,991.8	\$4,435.27	\$4,713.76
308.2	5	116,914	1,541.0	4,843,860	3,541,450.8	\$5,545.85	\$5,894.06
308.3	5	116,919	1,541.5	4,845,401	3,539,909.3	\$5,547.62	\$5,895.92
308.4	1	116,920	308.4	4,845,710	3,539,600.9	\$1,109.88	\$1,179.56
308.5	2	116,922	617.0	4,846,327	3,538,983.9	\$2,220.46	\$2,359.86
308.6	2	116,924	617.2	4,846,944	3,538,366.7	\$2,221.17	\$2,360.60
308.7	1	116,925	308.7	4,847,253	3,538,058.0	\$1,110.94	\$1,180.67
308.8	3	116,928	926.4	4,848,179	3,537,131.6	\$3,333.87	\$3,543.13
308.9	3	116,931	926.7	4,849,106	3,536,204.9	\$3,334.93	\$3,544.25
309	6	116,937	1,854.0	4,850,960	3,534,350.9	\$6,671.97	\$7,090.73
309.1	1	116,938	309.1	4,851,269	3,534,041.8	\$1,112.35	\$1,182.16
309.2	3	116,941	927.6	4,852,196	3,533,114.2	\$3,338.11	\$3,547.60
309.3	10	116,951	3,093.0	4,855,289	3,530,021.2	\$11,130.55	\$11,829.05
309.5	2	116,953	619.0	4,855,908	3,529,402.2	\$2,227.52	\$2,367.30
309.6	2	116,955	619.2	4,856,528	3,528,783.0	\$2,228.23	\$2,368.04
309.7	2	116,957	619.4	4,857,147	3,528,163.6	\$2,228.93	\$2,368.79
309.8	3	116,960	929.4	4,858,076	3,527,234.2	\$3,344.46	\$3,554.30
309.9	1	116,961	309.9	4,858,386	3,526,924.3	\$1,115.17	\$1,185.14
310	8	116,969	2,480.0	4,860,866	3,524,444.3	\$8,924.21	\$9,484.08
310.1	1	116,970	310.1	4,861,176	3,524,134.2	\$1,115.88	\$1,185.88
310.3	1	116,971	310.3	4,861,487	3,523,823.9	\$1,116.59	\$1,186.63
310.4	1	116,972	310.4	4,861,797	3,523,513.5	\$1,116.94	\$1,187.00
310.5	1	116,973	310.5	4,862,108	3,523,203.0	\$1,117.29	\$1,187.37
310.6	5	116,978	1,553.0	4,863,661	3,521,650.0	\$5,588.23	\$5,938.71
310.7	3	116,981	932.1	4,864,593	3,520,717.9	\$3,353.99	\$3,564.34
310.8	2	116,983	621.6	4,865,214	3,520,096.3	\$2,236.70	\$2,376.97
310.9	2	116,985	621.8	4,865,836	3,519,474.5	\$2,237.41	\$2,377.72
311	3	116,988	933.0	4,866,769	3,518,541.5	\$3,357.17	\$3,567.69
311.1	1	116,989	311.1	4,867,080	3,518,230.4	\$1,119.41	\$1,189.60
311.2	5	116,994	1,556.0	4,868,636	3,516,674.4	\$5,598.82	\$5,949.88
311.3	2	116,996	622.6	4,869,259	3,516,051.8	\$2,240.23	\$2,380.69
311.4	2	116,998	622.8	4,869,882	3,515,429.0	\$2,240.94	\$2,381.44
311.5	3	117,001	934.5	4,870,816	3,514,494.5	\$3,362.47	\$3,573.27
311.6	1	117,002	311.6	4,871,128	3,514,182.9	\$1,121.18	\$1,191.46
311.7	3	117,005	935.1	4,872,063	3,513,247.8	\$3,364.59	\$3,575.51
311.8	3	117,008	935.4	4,872,998	3,512,312.4	\$3,365.65	\$3,576.62
311.9	2	117,010	623.8	4,873,622	3,511,688.6	\$2,244.47	\$2,385.16
312	2	117,012	624.0	4,874,246	3,511,064.6	\$2,245.18	\$2,385.90
312.1	3	117,015	936.3	4,875,182	3,510,128.3	\$3,368.82	\$3,579.97
312.2	2	117,017	624.4	4,875,807	3,509,503.9	\$2,246.59	\$2,387.39
312.3	1	117,018	312.3	4,876,119	3,509,191.6	\$1,123.65	\$1,194.07
312.4	2	117,020	624.8	4,876,744	3,508,566.8	\$2,248.00	\$2,388.88
312.5	3	117,023	937.5	4,877,681	3,507,629.3	\$3,373.06	\$3,584.44

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
312.7	2	117,025	625.4	4,878,307	3,507,003.9	\$2,250.12	\$2,391.11
312.8	3	117,028	938.4	4,879,245	3,506,065.5	\$3,376.24	\$3,587.79
312.9	2	117,030	625.8	4,879,871	3,505,439.7	\$2,251.53	\$2,392.60
313	10	117,040	3,130.0	4,883,001	3,502,309.7	\$11,261.19	\$11,966.73
313.1	1	117,041	313.1	4,883,314	3,501,996.6	\$1,126.47	\$1,197.05
313.2	2	117,043	626.4	4,883,940	3,501,370.2	\$2,253.65	\$2,394.83
313.3	2	117,045	626.6	4,884,567	3,500,743.6	\$2,254.36	\$2,395.58
313.5	3	117,048	940.5	4,885,508	3,499,803.1	\$3,383.65	\$3,595.60
313.6	3	117,051	940.8	4,886,448	3,498,862.3	\$3,384.71	\$3,596.72
313.7	6	117,057	1,882.2	4,888,331	3,496,980.1	\$6,771.54	\$7,195.67
313.9	4	117,061	1,255.6	4,889,586	3,495,724.5	\$4,517.19	\$4,800.09
314	3	117,064	942.0	4,890,528	3,494,782.5	\$3,388.95	\$3,601.18
314.1	1	117,065	314.1	4,890,842	3,494,468.4	\$1,130.00	\$1,200.77
314.2	4	117,069	1,256.8	4,892,099	3,493,211.6	\$4,521.43	\$4,804.55
314.3	3	117,072	942.9	4,893,042	3,492,268.7	\$3,392.13	\$3,604.53
314.4	4	117,076	1,257.6	4,894,300	3,491,011.1	\$4,524.25	\$4,807.53
314.5	1	117,077	314.5	4,894,614	3,490,696.6	\$1,131.42	\$1,202.25
314.6	2	117,079	629.2	4,895,243	3,490,067.4	\$2,263.54	\$2,405.25
314.7	5	117,084	1,573.5	4,896,817	3,488,493.9	\$5,660.61	\$6,014.99
314.8	2	117,086	629.6	4,897,446	3,487,864.3	\$2,264.95	\$2,406.74
314.9	2	117,088	629.8	4,898,076	3,487,234.5	\$2,265.66	\$2,407.49
315	2	117,090	630.0	4,898,706	3,486,604.5	\$2,266.36	\$2,408.23
315.1	3	117,093	945.3	4,899,651	3,485,659.2	\$3,400.60	\$3,613.46
315.2	1	117,094	315.2	4,899,967	3,485,344.0	\$1,133.89	\$1,204.86
315.4	4	117,098	1,261.6	4,901,228	3,484,082.4	\$4,538.37	\$4,822.41
315.5	1	117,099	315.5	4,901,544	3,483,766.9	\$1,134.95	\$1,205.98
315.6	4	117,103	1,262.4	4,902,806	3,482,504.5	\$4,541.20	\$4,825.39
315.7	1	117,104	315.7	4,903,122	3,482,188.8	\$1,135.65	\$1,206.72
315.8	3	117,107	947.4	4,904,069	3,481,241.4	\$3,408.02	\$3,621.28
315.9	1	117,108	315.9	4,904,385	3,480,925.5	\$1,136.36	\$1,207.46
316	2	117,110	632.0	4,905,017	3,480,293.5	\$2,273.42	\$2,415.67
316.1	1	117,111	316.1	4,905,333	3,479,977.4	\$1,137.06	\$1,208.21
316.2	3	117,114	948.6	4,906,282	3,479,028.8	\$3,412.25	\$3,625.74
316.3	3	117,117	948.9	4,907,231	3,478,079.9	\$3,413.31	\$3,626.86
316.4	1	117,118	316.4	4,907,547	3,477,763.5	\$1,138.12	\$1,209.32
316.5	2	117,120	633.0	4,908,180	3,477,130.5	\$2,276.95	\$2,419.39
316.6	1	117,121	316.6	4,908,497	3,476,813.9	\$1,138.83	\$1,210.07
316.7	2	117,123	633.4	4,909,130	3,476,180.5	\$2,278.37	\$2,420.88
316.8	1	117,124	316.8	4,909,447	3,475,863.7	\$1,139.54	\$1,210.81
316.9	2	117,126	633.8	4,910,081	3,475,229.9	\$2,279.78	\$2,422.37
317	4	117,130	1,268.0	4,911,349	3,473,961.9	\$4,560.97	\$4,846.23
317.1	5	117,135	1,585.5	4,912,934	3,472,376.4	\$5,702.98	\$6,059.65
317.2	2	117,137	634.4	4,913,569	3,471,742.0	\$2,281.90	\$2,424.60
317.3	2	117,139	634.6	4,914,203	3,471,107.4	\$2,282.60	\$2,425.35
317.4	1	117,140	317.4	4,914,521	3,470,790.0	\$1,141.66	\$1,213.05
317.5	2	117,142	635.0	4,915,156	3,470,155.0	\$2,284.02	\$2,426.84
317.6	1	117,143	317.6	4,915,473	3,469,837.4	\$1,142.36	\$1,213.79
317.8	2	117,145	635.6	4,916,109	3,469,201.8	\$2,286.14	\$2,429.07
317.9	1	117,146	317.9	4,916,427	3,468,883.9	\$1,143.42	\$1,214.91

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
318	5	117,151	1,590.0	4,918,017	3,467,293.9	\$5,718.87	\$6,076.39
318.1	3	117,154	954.3	4,918,971	3,466,339.6	\$3,432.38	\$3,646.95
318.2	4	117,158	1,272.8	4,920,244	3,465,066.8	\$4,577.92	\$4,864.09
318.3	3	117,161	954.9	4,921,199	3,464,111.9	\$3,434.50	\$3,649.18
318.4	3	117,164	955.2	4,922,154	3,463,156.7	\$3,435.56	\$3,650.30
318.5	1	117,165	318.5	4,922,472	3,462,838.2	\$1,145.54	\$1,217.14
318.6	2	117,167	637.2	4,923,110	3,462,201.0	\$2,291.78	\$2,435.02
318.7	4	117,171	1,274.8	4,924,384	3,460,926.2	\$4,584.98	\$4,871.53
318.8	2	117,173	637.6	4,925,022	3,460,288.6	\$2,293.20	\$2,436.51
318.9	1	117,174	318.9	4,925,341	3,459,969.7	\$1,146.95	\$1,218.63
319	6	117,180	1,914.0	4,927,255	3,458,055.7	\$6,883.83	\$7,313.99
319.1	3	117,183	957.3	4,928,212	3,457,098.4	\$3,442.97	\$3,658.11
319.2	2	117,185	638.4	4,928,851	3,456,460.0	\$2,296.02	\$2,439.49
319.3	2	117,187	638.6	4,929,489	3,455,821.4	\$2,296.73	\$2,440.23
319.4	1	117,188	319.4	4,929,809	3,455,502.0	\$1,148.72	\$1,220.49
319.6	2	117,190	639.2	4,930,448	3,454,862.8	\$2,298.85	\$2,442.46
319.7	3	117,193	959.1	4,931,407	3,453,903.7	\$3,449.33	\$3,664.81
319.8	2	117,195	639.6	4,932,047	3,453,264.1	\$2,300.26	\$2,443.95
319.9	2	117,197	639.8	4,932,686	3,452,624.3	\$2,300.96	\$2,444.70
320	6	117,203	1,920.0	4,934,606	3,450,704.3	\$6,905.01	\$7,336.32
320.1	1	117,204	320.1	4,934,926	3,450,384.2	\$1,151.19	\$1,223.09
320.2	2	117,206	640.4	4,935,567	3,449,743.8	\$2,303.08	\$2,446.93
320.3	5	117,211	1,601.5	4,937,168	3,448,142.3	\$5,759.47	\$6,119.18
320.4	2	117,213	640.8	4,937,809	3,447,501.5	\$2,304.50	\$2,448.42
320.5	2	117,215	641.0	4,938,450	3,446,860.5	\$2,305.20	\$2,449.16
320.7	3	117,218	962.1	4,939,412	3,445,898.4	\$3,459.92	\$3,675.97
320.8	3	117,221	962.4	4,940,375	3,444,936.0	\$3,460.98	\$3,677.09
320.9	2	117,223	641.8	4,941,016	3,444,294.2	\$2,308.03	\$2,452.14
321	4	117,227	1,284.0	4,942,300	3,443,010.2	\$4,617.47	\$4,905.76
321.1	2	117,229	642.2	4,942,943	3,442,368.0	\$2,309.44	\$2,453.63
321.2	2	117,231	642.4	4,943,585	3,441,725.6	\$2,310.15	\$2,454.37
321.4	3	117,234	964.2	4,944,549	3,440,761.4	\$3,467.34	\$3,683.79
321.5	3	117,237	964.5	4,945,514	3,439,796.9	\$3,468.40	\$3,684.90
321.6	1	117,238	321.6	4,945,835	3,439,475.3	\$1,156.48	\$1,228.67
321.7	1	117,239	321.7	4,946,157	3,439,153.6	\$1,156.84	\$1,229.05
321.8	1	117,240	321.8	4,946,479	3,438,831.8	\$1,157.19	\$1,229.42
321.9	2	117,242	643.8	4,947,123	3,438,188.0	\$2,315.09	\$2,459.58
322	2	117,244	644.0	4,947,767	3,437,544.0	\$2,315.79	\$2,460.32
322.1	4	117,248	1,288.4	4,949,055	3,436,255.6	\$4,633.00	\$4,922.14
322.2	1	117,249	322.2	4,949,377	3,435,933.4	\$1,158.60	\$1,230.91
322.3	1	117,250	322.3	4,949,700	3,435,611.1	\$1,158.96	\$1,231.28
322.5	2	117,252	645.0	4,950,345	3,434,966.1	\$2,319.33	\$2,464.05
322.6	3	117,255	967.8	4,951,312	3,433,998.3	\$3,480.05	\$3,697.18
322.8	4	117,259	1,291.2	4,952,604	3,432,707.1	\$4,642.89	\$4,932.56
322.9	2	117,261	645.8	4,953,249	3,432,061.3	\$2,322.15	\$2,467.02
323	7	117,268	2,261.0	4,955,510	3,429,800.3	\$8,130.00	\$8,637.18
323.2	2	117,270	646.4	4,956,157	3,429,153.9	\$2,324.27	\$2,469.25
323.3	1	117,271	323.3	4,956,480	3,428,830.6	\$1,162.49	\$1,235.00
323.4	1	117,272	323.4	4,956,803	3,428,507.2	\$1,162.84	\$1,235.37

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
323.6	3	117,275	970.8	4,957,774	3,427,536.4	\$3,490.64	\$3,708.35
323.7	3	117,278	971.1	4,958,745	3,426,565.3	\$3,491.70	\$3,709.46
323.8	2	117,280	647.6	4,959,393	3,425,917.7	\$2,328.51	\$2,473.72
323.9	1	117,281	323.9	4,959,717	3,425,593.8	\$1,164.61	\$1,237.23
324	7	117,288	2,268.0	4,961,985	3,423,325.8	\$8,154.71	\$8,663.23
324.1	8	117,296	2,592.8	4,964,578	3,420,733.0	\$9,322.50	\$9,903.81
324.2	5	117,301	1,621.0	4,966,199	3,419,112.0	\$5,828.33	\$6,191.74
324.3	3	117,304	972.9	4,967,172	3,418,139.1	\$3,498.06	\$3,716.16
324.5	1	117,305	324.5	4,967,496	3,417,814.6	\$1,166.72	\$1,239.46
324.6	1	117,306	324.6	4,967,821	3,417,490.0	\$1,167.08	\$1,239.84
324.7	5	117,311	1,623.5	4,969,444	3,415,866.5	\$5,837.15	\$6,201.04
324.8	4	117,315	1,299.2	4,970,743	3,414,567.3	\$4,671.14	\$4,962.32
324.9	1	117,316	324.9	4,971,068	3,414,242.4	\$1,168.14	\$1,240.95
325	11	117,327	3,575.0	4,974,643	3,410,667.4	\$12,853.39	\$13,654.58
325.2	3	117,330	975.6	4,975,619	3,409,691.8	\$3,507.59	\$3,726.21
325.3	2	117,332	650.6	4,976,269	3,409,041.2	\$2,339.10	\$2,484.88
325.5	3	117,335	976.5	4,977,246	3,408,064.7	\$3,510.77	\$3,729.56
325.6	5	117,340	1,628.0	4,978,874	3,406,436.7	\$5,853.04	\$6,217.79
325.7	4	117,344	1,302.8	4,980,177	3,405,133.9	\$4,683.85	\$4,975.72
325.8	4	117,348	1,303.2	4,981,480	3,403,830.7	\$4,685.26	\$4,977.21
325.9	3	117,351	977.7	4,982,458	3,402,853.0	\$3,515.00	\$3,734.02
326	3	117,354	978.0	4,983,436	3,401,875.0	\$3,516.06	\$3,735.14
326.1	3	117,357	978.3	4,984,414	3,400,896.7	\$3,517.12	\$3,736.25
326.2	2	117,359	652.4	4,985,066	3,400,244.3	\$2,345.45	\$2,491.58
326.3	4	117,363	1,305.2	4,986,372	3,398,939.1	\$4,692.32	\$4,984.65
326.4	2	117,365	652.8	4,987,024	3,398,286.3	\$2,346.87	\$2,493.07
326.5	1	117,366	326.5	4,987,351	3,397,959.8	\$1,173.79	\$1,246.91
326.6	1	117,367	326.6	4,987,677	3,397,633.2	\$1,174.14	\$1,247.28
326.7	2	117,369	653.4	4,988,331	3,396,979.8	\$2,348.99	\$2,495.30
326.8	1	117,370	326.8	4,988,658	3,396,653.0	\$1,174.85	\$1,248.02
326.9	4	117,374	1,307.6	4,989,965	3,395,345.4	\$4,700.79	\$4,993.58
327	4	117,378	1,308.0	4,991,273	3,394,037.4	\$4,702.21	\$4,995.07
327.1	2	117,380	654.2	4,991,927	3,393,383.2	\$2,351.81	\$2,498.28
327.2	3	117,383	981.6	4,992,909	3,392,401.6	\$3,528.77	\$3,748.53
327.3	2	117,385	654.6	4,993,564	3,391,747.0	\$2,353.22	\$2,499.77
327.6	2	117,387	655.2	4,994,219	3,391,091.8	\$2,355.34	\$2,502.00
327.7	1	117,388	327.7	4,994,547	3,390,764.1	\$1,178.02	\$1,251.37
327.8	5	117,393	1,639.0	4,996,186	3,389,125.1	\$5,891.88	\$6,258.72
327.9	1	117,394	327.9	4,996,513	3,388,797.2	\$1,178.73	\$1,252.12
328	3	117,397	984.0	4,997,497	3,387,813.2	\$3,537.25	\$3,757.46
328.1	4	117,401	1,312.4	4,998,810	3,386,500.8	\$4,717.74	\$5,011.44
328.2	3	117,404	984.6	4,999,794	3,385,516.2	\$3,539.37	\$3,759.70
328.3	4	117,408	1,313.2	5,001,108	3,384,203.0	\$4,720.57	\$5,014.42
328.4	4	117,412	1,313.6	5,002,421	3,382,889.4	\$4,721.98	\$5,015.91
328.5	2	117,414	657.0	5,003,078	3,382,232.4	\$2,361.70	\$2,508.70
328.6	2	117,416	657.2	5,003,735	3,381,575.2	\$2,362.40	\$2,509.44
328.7	4	117,420	1,314.8	5,005,050	3,380,260.4	\$4,726.22	\$5,020.37
328.8	4	117,424	1,315.2	5,006,365	3,378,945.2	\$4,727.63	\$5,021.86
329	4	117,428	1,316.0	5,007,681	3,377,629.2	\$4,730.45	\$5,024.84

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
329.1	1	117,429	329.1	5,008,011	3,377,300.1	\$1,182.97	\$1,256.58
329.2	1	117,430	329.2	5,008,340	3,376,970.9	\$1,183.32	\$1,256.95
329.3	3	117,433	987.9	5,009,328	3,375,983.0	\$3,551.02	\$3,771.98
329.4	4	117,437	1,317.6	5,010,645	3,374,665.4	\$4,736.10	\$5,030.79
329.5	3	117,440	988.5	5,011,634	3,373,676.9	\$3,553.14	\$3,774.21
329.6	3	117,443	988.8	5,012,623	3,372,688.1	\$3,554.20	\$3,775.32
329.8	1	117,444	329.8	5,012,952	3,372,358.3	\$1,185.44	\$1,259.19
329.9	1	117,445	329.9	5,013,282	3,372,028.4	\$1,185.79	\$1,259.56
330	7	117,452	2,310.0	5,015,592	3,369,718.4	\$8,303.01	\$8,819.51
330.1	3	117,455	990.3	5,016,583	3,368,728.1	\$3,559.49	\$3,780.91
330.2	2	117,457	660.4	5,017,243	3,368,067.7	\$2,373.70	\$2,521.35
330.3	1	117,458	330.3	5,017,573	3,367,737.4	\$1,187.20	\$1,261.05
330.4	1	117,459	330.4	5,017,904	3,367,407.0	\$1,187.56	\$1,261.42
330.5	2	117,461	661.0	5,018,565	3,366,746.0	\$2,375.82	\$2,523.58
330.6	2	117,463	661.2	5,019,226	3,366,084.8	\$2,376.53	\$2,524.33
330.7	4	117,467	1,322.8	5,020,549	3,364,762.0	\$4,754.46	\$5,050.14
330.8	5	117,472	1,654.0	5,022,203	3,363,108.0	\$5,944.85	\$6,314.53
330.9	2	117,474	661.8	5,022,864	3,362,446.2	\$2,378.64	\$2,526.56
331	7	117,481	2,317.0	5,025,181	3,360,129.2	\$8,327.73	\$8,845.56
331.2	1	117,482	331.2	5,025,513	3,359,798.0	\$1,190.38	\$1,264.40
331.3	2	117,484	662.6	5,026,175	3,359,135.4	\$2,381.47	\$2,529.53
331.4	2	117,486	662.8	5,026,838	3,358,472.6	\$2,382.18	\$2,530.28
331.5	1	117,487	331.5	5,027,170	3,358,141.1	\$1,191.44	\$1,265.51
331.6	1	117,488	331.6	5,027,501	3,357,809.5	\$1,191.79	\$1,265.88
331.7	1	117,489	331.7	5,027,833	3,357,477.8	\$1,192.15	\$1,266.26
331.8	3	117,492	995.4	5,028,828	3,356,482.4	\$3,577.50	\$3,799.88
332	6	117,498	1,992.0	5,030,820	3,354,490.4	\$7,159.24	\$7,604.23
332.1	4	117,502	1,328.4	5,032,149	3,353,162.0	\$4,774.24	\$5,070.98
332.2	3	117,505	996.6	5,033,145	3,352,165.4	\$3,581.74	\$3,804.35
332.3	3	117,508	996.9	5,034,142	3,351,168.5	\$3,582.80	\$3,805.46
332.4	1	117,509	332.4	5,034,475	3,350,836.1	\$1,194.62	\$1,268.86
332.5	3	117,512	997.5	5,035,472	3,349,838.6	\$3,584.92	\$3,807.70
332.7	1	117,513	332.7	5,035,805	3,349,505.9	\$1,195.68	\$1,269.98
332.8	2	117,515	665.6	5,036,470	3,348,840.3	\$2,392.06	\$2,540.70
332.9	2	117,517	665.8	5,037,136	3,348,174.5	\$2,392.77	\$2,541.44
333	5	117,522	1,665.0	5,038,801	3,346,509.5	\$5,983.69	\$6,355.47
333.1	7	117,529	2,331.7	5,041,133	3,344,177.8	\$8,379.63	\$8,900.26
333.2	4	117,533	1,332.8	5,042,466	3,342,845.0	\$4,789.77	\$5,087.35
333.3	2	117,535	666.6	5,043,132	3,342,178.4	\$2,395.59	\$2,544.42
333.4	2	117,537	666.8	5,043,799	3,341,511.6	\$2,396.30	\$2,545.16
333.5	1	117,538	333.5	5,044,133	3,341,178.1	\$1,198.50	\$1,272.95
333.7	1	117,539	333.7	5,044,466	3,340,844.4	\$1,199.21	\$1,273.70
333.8	3	117,542	1,001.4	5,045,468	3,339,843.0	\$3,598.69	\$3,822.21
333.9	2	117,544	667.8	5,046,135	3,339,175.2	\$2,399.83	\$2,548.88
334	8	117,552	2,672.0	5,048,807	3,336,503.2	\$9,602.14	\$10,198.51
334.1	3	117,555	1,002.3	5,049,810	3,335,500.9	\$3,601.86	\$3,825.56
334.3	3	117,558	1,002.9	5,050,813	3,334,498.0	\$3,603.98	\$3,827.79
334.4	2	117,560	668.8	5,051,481	3,333,829.2	\$2,403.36	\$2,552.60
334.5	4	117,564	1,338.0	5,052,819	3,332,491.2	\$4,808.13	\$5,106.70

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
334.6	2	117,566	669.2	5,053,489	3,331,822.0	\$2,404.77	\$2,554.09
334.7	1	117,567	334.7	5,053,823	3,331,487.3	\$1,202.74	\$1,277.42
334.8	3	117,570	1,004.4	5,054,828	3,330,482.9	\$3,609.28	\$3,833.37
334.9	2	117,572	669.8	5,055,498	3,329,813.1	\$2,406.89	\$2,556.33
335	4	117,576	1,340.0	5,056,838	3,328,473.1	\$4,815.20	\$5,114.14
335.1	2	117,578	670.2	5,057,508	3,327,802.9	\$2,408.30	\$2,557.81
335.2	1	117,579	335.2	5,057,843	3,327,467.7	\$1,204.51	\$1,279.28
335.3	1	117,580	335.3	5,058,178	3,327,132.4	\$1,204.86	\$1,279.65
335.5	3	117,583	1,006.5	5,059,185	3,326,125.9	\$3,616.69	\$3,841.19
335.6	3	117,586	1,006.8	5,060,192	3,325,119.1	\$3,617.75	\$3,842.30
335.8	2	117,588	671.6	5,060,863	3,324,447.5	\$2,413.25	\$2,563.02
336	5	117,593	1,680.0	5,062,543	3,322,767.5	\$6,036.65	\$6,411.28
336.1	4	117,597	1,344.4	5,063,888	3,321,423.1	\$4,830.73	\$5,130.51
336.2	2	117,599	672.4	5,064,560	3,320,750.7	\$2,416.07	\$2,566.00
336.3	3	117,602	1,008.9	5,065,569	3,319,741.8	\$3,625.17	\$3,850.12
336.4	1	117,603	336.4	5,065,905	3,319,405.4	\$1,208.74	\$1,283.74
336.5	3	117,606	1,009.5	5,066,915	3,318,395.9	\$3,627.29	\$3,852.35
336.6	1	117,607	336.6	5,067,251	3,318,059.3	\$1,209.45	\$1,284.49
336.7	1	117,608	336.7	5,067,588	3,317,722.6	\$1,209.80	\$1,284.86
336.8	2	117,610	673.6	5,068,262	3,317,049.0	\$2,420.31	\$2,570.47
336.9	2	117,612	673.8	5,068,935	3,316,375.2	\$2,421.02	\$2,571.21
337	8	117,620	2,696.0	5,071,631	3,313,679.2	\$9,686.89	\$10,287.82
337.1	5	117,625	1,685.5	5,073,317	3,311,993.7	\$6,056.07	\$6,431.75
337.2	2	117,627	674.4	5,073,991	3,311,319.3	\$2,423.13	\$2,573.44
337.3	3	117,630	1,011.9	5,075,003	3,310,307.4	\$3,635.76	\$3,861.28
337.4	3	117,633	1,012.2	5,076,015	3,309,295.2	\$3,636.82	\$3,862.40
337.5	1	117,634	337.5	5,076,353	3,308,957.7	\$1,212.63	\$1,287.84
337.6	2	117,636	675.2	5,077,028	3,308,282.5	\$2,425.96	\$2,576.42
337.7	3	117,639	1,013.1	5,078,041	3,307,269.4	\$3,640.00	\$3,865.75
337.9	3	117,642	1,013.7	5,079,055	3,306,255.7	\$3,642.12	\$3,867.98
338	4	117,646	1,352.0	5,080,407	3,304,903.7	\$4,857.57	\$5,158.79
338.1	2	117,648	676.2	5,081,083	3,304,227.5	\$2,429.49	\$2,580.14
338.3	2	117,650	676.6	5,081,760	3,303,550.9	\$2,430.90	\$2,581.63
338.4	2	117,652	676.8	5,082,437	3,302,874.1	\$2,431.61	\$2,582.37
338.5	1	117,653	338.5	5,082,775	3,302,535.6	\$1,216.16	\$1,291.56
338.6	1	117,654	338.6	5,083,114	3,302,197.0	\$1,216.51	\$1,291.93
338.7	3	117,657	1,016.1	5,084,130	3,301,180.9	\$3,650.59	\$3,876.91
338.8	1	117,658	338.8	5,084,469	3,300,842.1	\$1,217.22	\$1,292.67
338.9	3	117,661	1,016.7	5,085,485	3,299,825.4	\$3,652.71	\$3,879.14
339	2	117,663	678.0	5,086,163	3,299,147.4	\$2,435.85	\$2,586.84
339.2	5	117,668	1,696.0	5,087,859	3,297,451.4	\$6,093.14	\$6,470.82
339.3	2	117,670	678.6	5,088,538	3,296,772.8	\$2,437.96	\$2,589.07
339.5	2	117,672	679.0	5,089,217	3,296,093.8	\$2,439.38	\$2,590.56
339.6	4	117,676	1,358.4	5,090,575	3,294,735.4	\$4,880.16	\$5,182.61
339.7	6	117,682	2,038.2	5,092,613	3,292,697.2	\$7,322.37	\$7,776.14
339.8	2	117,684	679.6	5,093,293	3,292,017.6	\$2,441.49	\$2,592.79
339.9	2	117,686	679.8	5,093,973	3,291,337.8	\$2,442.20	\$2,593.54
340	6	117,692	2,040.0	5,096,013	3,289,297.8	\$7,328.72	\$7,782.84
340.1	2	117,694	680.2	5,096,693	3,288,617.6	\$2,443.61	\$2,595.02



## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
340.2	3	117,697	1,020.6	5,097,714	3,287,597.0	\$3,666.48	\$3,893.65
340.5	2	117,699	681.0	5,098,395	3,286,916.0	\$2,446.44	\$2,598.00
340.6	3	117,702	1,021.8	5,099,416	3,285,894.2	\$3,670.72	\$3,898.12
340.7	3	117,705	1,022.1	5,100,439	3,284,872.1	\$3,671.78	\$3,899.23
340.8	1	117,706	340.8	5,100,779	3,284,531.3	\$1,224.28	\$1,300.12
340.9	1	117,707	340.9	5,101,120	3,284,190.4	\$1,224.63	\$1,300.49
341	2	117,709	682.0	5,101,802	3,283,508.4	\$2,449.97	\$2,601.72
341.1	8	117,717	2,728.8	5,104,531	3,280,779.6	\$9,802.70	\$10,409.86
341.2	4	117,721	1,364.8	5,105,896	3,279,414.8	\$4,902.76	\$5,206.42
341.3	2	117,723	682.6	5,106,578	3,278,732.2	\$2,452.09	\$2,603.95
341.4	3	117,726	1,024.2	5,107,603	3,277,708.0	\$3,679.19	\$3,907.05
341.5	4	117,730	1,366.0	5,108,969	3,276,342.0	\$4,907.00	\$5,210.89
341.6	4	117,734	1,366.4	5,110,335	3,274,975.6	\$4,908.41	\$5,212.37
341.8	2	117,736	683.6	5,111,019	3,274,292.0	\$2,455.62	\$2,607.68
341.9	1	117,737	341.9	5,111,361	3,273,950.1	\$1,228.16	\$1,304.21
342	4	117,741	1,368.0	5,112,729	3,272,582.1	\$4,914.06	\$5,218.33
342.1	1	117,742	342.1	5,113,071	3,272,240.0	\$1,228.87	\$1,304.95
342.2	1	117,743	342.2	5,113,413	3,271,897.8	\$1,229.22	\$1,305.33
342.3	1	117,744	342.3	5,113,755	3,271,555.5	\$1,229.57	\$1,305.70
342.4	1	117,745	342.4	5,114,098	3,271,213.1	\$1,229.93	\$1,306.07
342.5	2	117,747	685.0	5,114,783	3,270,528.1	\$2,460.56	\$2,612.89
342.6	1	117,748	342.6	5,115,125	3,270,185.5	\$1,230.63	\$1,306.81
342.7	1	117,749	342.7	5,115,468	3,269,842.8	\$1,230.99	\$1,307.19
342.8	3	117,752	1,028.4	5,116,496	3,268,814.4	\$3,694.02	\$3,922.68
342.9	1	117,753	342.9	5,116,839	3,268,471.5	\$1,231.69	\$1,307.93
343	3	117,756	1,029.0	5,117,868	3,267,442.5	\$3,696.14	\$3,924.91
343.1	1	117,757	343.1	5,118,211	3,267,099.4	\$1,232.40	\$1,308.68
343.2	1	117,758	343.2	5,118,554	3,266,756.2	\$1,232.75	\$1,309.05
343.3	5	117,763	1,716.5	5,120,271	3,265,039.7	\$6,165.53	\$6,547.10
343.4	1	117,764	343.4	5,120,614	3,264,696.3	\$1,233.46	\$1,309.79
343.5	1	117,765	343.5	5,120,958	3,264,352.8	\$1,233.81	\$1,310.16
343.6	3	117,768	1,030.8	5,121,989	3,263,322.0	\$3,702.49	\$3,931.61
343.8	5	117,773	1,719.0	5,123,708	3,261,603.0	\$6,174.35	\$6,556.40
343.9	3	117,776	1,031.7	5,124,739	3,260,571.3	\$3,705.67	\$3,934.96
344	7	117,783	2,408.0	5,127,147	3,258,163.3	\$8,649.04	\$9,184.17
344.1	3	117,786	1,032.3	5,128,180	3,257,131.0	\$3,707.79	\$3,937.19
344.2	1	117,787	344.2	5,128,524	3,256,786.8	\$1,236.28	\$1,312.77
344.4	2	117,789	688.8	5,129,213	3,256,098.0	\$2,473.98	\$2,627.02
344.5	5	117,794	1,722.5	5,130,935	3,254,375.5	\$6,186.71	\$6,569.42
344.6	2	117,796	689.2	5,131,624	3,253,686.3	\$2,475.39	\$2,628.51
344.8	1	117,797	344.8	5,131,969	3,253,341.5	\$1,238.40	\$1,315.00
344.9	4	117,801	1,379.6	5,133,349	3,251,961.9	\$4,955.02	\$5,261.49
345	7	117,808	2,415.0	5,135,764	3,249,546.9	\$8,673.76	\$9,210.22
345.1	1	117,809	345.1	5,136,109	3,249,201.8	\$1,239.46	\$1,316.12
345.4	3	117,812	1,036.2	5,137,145	3,248,165.6	\$3,721.56	\$3,951.70
345.5	2	117,814	691.0	5,137,836	3,247,474.6	\$2,481.75	\$2,635.21
345.6	3	117,817	1,036.8	5,138,873	3,246,437.8	\$3,723.68	\$3,953.93
345.7	3	117,820	1,037.1	5,139,910	3,245,400.7	\$3,724.74	\$3,955.05
345.8	2	117,822	691.6	5,140,602	3,244,709.1	\$2,483.87	\$2,637.44

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
345.9	1	117,823	345.9	5,140,947	3,244,363.2	\$1,242.29	\$1,319.09
346	5	117,828	1,730.0	5,142,677	3,242,633.2	\$6,213.19	\$6,597.33
346.1	1	117,829	346.1	5,143,024	3,242,287.1	\$1,242.99	\$1,319.84
346.2	1	117,830	346.2	5,143,370	3,241,940.9	\$1,243.35	\$1,320.21
346.3	4	117,834	1,385.2	5,144,755	3,240,555.7	\$4,974.79	\$5,282.33
346.4	4	117,838	1,385.6	5,146,141	3,239,170.1	\$4,976.21	\$5,283.82
346.5	1	117,839	346.5	5,146,487	3,238,823.6	\$1,244.40	\$1,321.33
346.6	3	117,842	1,039.8	5,147,527	3,237,783.8	\$3,734.27	\$3,965.10
346.7	2	117,844	693.4	5,148,220	3,237,090.4	\$2,490.22	\$2,644.14
346.8	2	117,846	693.6	5,148,914	3,236,396.8	\$2,490.93	\$2,644.89
346.9	2	117,848	693.8	5,149,608	3,235,703.0	\$2,491.63	\$2,645.63
347	4	117,852	1,388.0	5,150,996	3,234,315.0	\$4,984.68	\$5,292.75
347.1	5	117,857	1,735.5	5,152,731	3,232,579.5	\$6,232.61	\$6,617.80
347.2	3	117,860	1,041.6	5,153,773	3,231,537.9	\$3,740.63	\$3,971.79
347.3	3	117,863	1,041.9	5,154,815	3,230,496.0	\$3,741.69	\$3,972.91
347.4	1	117,864	347.4	5,155,162	3,230,148.6	\$1,247.58	\$1,324.68
347.6	1	117,865	347.6	5,155,510	3,229,801.0	\$1,248.29	\$1,325.42
347.7	3	117,868	1,043.1	5,156,553	3,228,757.9	\$3,745.92	\$3,977.38
347.8	2	117,870	695.6	5,157,248	3,228,062.3	\$2,497.99	\$2,652.33
348	3	117,873	1,044.0	5,158,292	3,227,018.3	\$3,749.10	\$3,980.72
348.1	3	117,876	1,044.3	5,159,337	3,225,974.0	\$3,750.16	\$3,981.84
348.2	1	117,877	348.2	5,159,685	3,225,625.8	\$1,250.41	\$1,327.65
348.3	3	117,880	1,044.9	5,160,730	3,224,580.9	\$3,752.28	\$3,984.07
348.4	2	117,882	696.8	5,161,427	3,223,884.1	\$2,502.23	\$2,656.79
348.5	2	117,884	697.0	5,162,124	3,223,187.1	\$2,502.93	\$2,657.54
348.6	3	117,887	1,045.8	5,163,169	3,222,141.3	\$3,755.46	\$3,987.42
348.7	1	117,888	348.7	5,163,518	3,221,792.6	\$1,252.17	\$1,329.51
348.8	1	117,889	348.8	5,163,867	3,221,443.8	\$1,252.53	\$1,329.88
348.9	1	117,890	348.9	5,164,216	3,221,094.9	\$1,252.88	\$1,330.26
349	5	117,895	1,745.0	5,165,961	3,219,349.9	\$6,266.16	\$6,653.15
349.1	4	117,899	1,396.4	5,167,357	3,217,953.5	\$5,014.34	\$5,324.00
349.3	2	117,901	698.6	5,168,056	3,217,254.9	\$2,508.58	\$2,663.49
349.4	4	117,905	1,397.6	5,169,453	3,215,857.3	\$5,018.58	\$5,328.47
349.6	3	117,908	1,048.8	5,170,502	3,214,808.5	\$3,766.05	\$3,998.58
349.7	3	117,911	1,049.1	5,171,551	3,213,759.4	\$3,767.11	\$3,999.70
349.8	1	117,912	349.8	5,171,901	3,213,409.6	\$1,256.06	\$1,333.61
350	8	117,920	2,800.0	5,174,701	3,210,609.6	\$10,054.10	\$10,674.80
350.1	2	117,922	700.2	5,175,401	3,209,909.4	\$2,514.23	\$2,669.44
350.2	1	117,923	350.2	5,175,751	3,209,559.2	\$1,257.47	\$1,335.09
350.3	3	117,926	1,050.9	5,176,802	3,208,508.3	\$3,773.47	\$4,006.40
350.4	2	117,928	700.8	5,177,503	3,207,807.5	\$2,516.35	\$2,671.68
350.5	3	117,931	1,051.5	5,178,555	3,206,756.0	\$3,775.58	\$4,008.63
350.6	2	117,933	701.2	5,179,256	3,206,054.8	\$2,517.76	\$2,673.17
350.7	3	117,936	1,052.1	5,180,308	3,205,002.7	\$3,777.70	\$4,010.86
350.9	1	117,937	350.9	5,180,659	3,204,651.8	\$1,259.94	\$1,337.70
351	3	117,940	1,053.0	5,181,712	3,203,598.8	\$3,780.88	\$4,014.21
351.1	1	117,941	351.1	5,182,063	3,203,247.7	\$1,260.65	\$1,338.44
351.2	3	117,944	1,053.6	5,183,117	3,202,194.1	\$3,783.00	\$4,016.45
351.3	2	117,946	702.6	5,183,819	3,201,491.5	\$2,522.71	\$2,678.37

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
351.7	1	117,947	351.7	5,184,171	3,201,139.8	\$1,262.77	\$1,340.68
351.8	2	117,949	703.6	5,184,874	3,200,436.2	\$2,526.24	\$2,682.10
351.9	3	117,952	1,055.7	5,185,930	3,199,380.5	\$3,790.41	\$4,024.26
352	6	117,958	2,112.0	5,188,042	3,197,268.5	\$7,582.95	\$8,050.75
352.2	2	117,960	704.4	5,188,747	3,196,564.1	\$2,529.06	\$2,685.07
352.3	1	117,961	352.3	5,189,099	3,196,211.8	\$1,264.88	\$1,342.91
352.4	2	117,963	704.8	5,189,804	3,195,507.0	\$2,530.47	\$2,686.56
352.6	1	117,964	352.6	5,190,156	3,195,154.4	\$1,265.94	\$1,344.02
352.7	4	117,968	1,410.8	5,191,567	3,193,743.6	\$5,065.18	\$5,377.59
352.8	1	117,969	352.8	5,191,920	3,193,390.8	\$1,266.65	\$1,344.77
352.9	2	117,971	705.8	5,192,626	3,192,685.0	\$2,534.00	\$2,690.28
353	5	117,976	1,765.0	5,194,391	3,190,920.0	\$6,336.78	\$6,727.57
353.1	1	117,977	353.1	5,194,744	3,190,566.9	\$1,267.71	\$1,345.89
353.2	1	117,978	353.2	5,195,097	3,190,213.7	\$1,268.06	\$1,346.26
353.3	5	117,983	1,766.5	5,196,863	3,188,447.2	\$6,342.07	\$6,733.15
353.4	1	117,984	353.4	5,197,217	3,188,093.8	\$1,268.77	\$1,347.00
353.5	4	117,988	1,414.0	5,198,631	3,186,679.8	\$5,076.48	\$5,389.49
353.6	2	117,990	707.2	5,199,338	3,185,972.6	\$2,538.95	\$2,695.49
353.7	2	117,992	707.4	5,200,045	3,185,265.2	\$2,539.65	\$2,696.24
353.8	2	117,994	707.6	5,200,753	3,184,557.6	\$2,540.36	\$2,696.98
353.9	3	117,997	1,061.7	5,201,815	3,183,495.9	\$3,811.60	\$4,046.59
354	2	117,999	708.0	5,202,523	3,182,787.9	\$2,541.77	\$2,698.47
354.1	4	118,003	1,416.4	5,203,939	3,181,371.5	\$5,084.96	\$5,398.42
354.2	2	118,005	708.4	5,204,648	3,180,663.1	\$2,543.18	\$2,699.96
354.3	3	118,008	1,062.9	5,205,710	3,179,600.2	\$3,815.84	\$4,051.05
354.4	1	118,009	354.4	5,206,065	3,179,245.8	\$1,272.30	\$1,350.72
354.5	3	118,012	1,063.5	5,207,128	3,178,182.3	\$3,817.95	\$4,053.28
354.8	2	118,014	709.6	5,207,838	3,177,472.7	\$2,547.42	\$2,704.42
354.9	1	118,015	354.9	5,208,193	3,177,117.8	\$1,274.06	\$1,352.58
355	5	118,020	1,775.0	5,209,968	3,175,342.8	\$6,372.09	\$6,764.78
355.1	1	118,021	355.1	5,210,323	3,174,987.7	\$1,274.77	\$1,353.33
355.2	1	118,022	355.2	5,210,678	3,174,632.5	\$1,275.12	\$1,353.70
355.3	1	118,023	355.3	5,211,033	3,174,277.2	\$1,275.48	\$1,354.07
355.4	1	118,024	355.4	5,211,389	3,173,921.8	\$1,275.83	\$1,354.44
355.5	2	118,026	711.0	5,212,100	3,173,210.8	\$2,552.36	\$2,709.63
355.6	2	118,028	711.2	5,212,811	3,172,499.6	\$2,553.07	\$2,710.38
355.7	2	118,030	711.4	5,213,522	3,171,788.2	\$2,553.78	\$2,711.12
355.8	1	118,031	355.8	5,213,878	3,171,432.4	\$1,277.24	\$1,355.93
355.9	3	118,034	1,067.7	5,214,946	3,170,364.7	\$3,832.78	\$4,068.91
356	3	118,037	1,068.0	5,216,014	3,169,296.7	\$3,833.84	\$4,070.03
356.1	1	118,038	356.1	5,216,370	3,168,940.6	\$1,278.30	\$1,357.05
356.3	1	118,039	356.3	5,216,726	3,168,584.3	\$1,279.01	\$1,357.79
356.4	4	118,043	1,425.6	5,218,152	3,167,158.7	\$5,117.44	\$5,432.66
356.5	2	118,045	713.0	5,218,865	3,166,445.7	\$2,559.43	\$2,717.07
356.6	1	118,046	356.6	5,219,222	3,166,089.1	\$1,280.07	\$1,358.91
356.7	2	118,048	713.4	5,219,935	3,165,375.7	\$2,560.84	\$2,718.56
356.8	3	118,051	1,070.4	5,221,005	3,164,305.3	\$3,842.32	\$4,078.96
356.9	4	118,055	1,427.6	5,222,433	3,162,877.7	\$5,124.50	\$5,440.10
357	7	118,062	2,499.0	5,224,932	3,160,378.7	\$8,970.35	\$9,522.78

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
357.1	1	118,063	357.1	5,225,289	3,160,021.6	\$1,281.83	\$1,360.77
357.2	1	118,064	357.2	5,225,646	3,159,664.4	\$1,282.18	\$1,361.14
357.3	3	118,067	1,071.9	5,226,718	3,158,592.5	\$3,847.61	\$4,084.54
357.4	3	118,070	1,072.2	5,227,790	3,157,520.3	\$3,848.67	\$4,085.66
357.5	1	118,071	357.5	5,228,148	3,157,162.8	\$1,283.24	\$1,362.26
357.6	3	118,074	1,072.8	5,229,221	3,156,090.0	\$3,850.79	\$4,087.89
357.7	1	118,075	357.7	5,229,578	3,155,732.3	\$1,283.95	\$1,363.00
357.8	1	118,076	357.8	5,229,936	3,155,374.5	\$1,284.30	\$1,363.37
357.9	1	118,077	357.9	5,230,294	3,155,016.6	\$1,284.66	\$1,363.75
358	4	118,081	1,432.0	5,231,726	3,153,584.6	\$5,140.04	\$5,456.47
358.2	4	118,085	1,432.8	5,233,159	3,152,151.8	\$5,142.86	\$5,459.45
358.3	2	118,087	716.6	5,233,875	3,151,435.2	\$2,572.14	\$2,730.47
358.4	2	118,089	716.8	5,234,592	3,150,718.4	\$2,572.84	\$2,731.21
358.5	1	118,090	358.5	5,234,951	3,150,359.9	\$1,286.78	\$1,365.98
358.6	4	118,094	1,434.4	5,236,385	3,148,925.5	\$5,148.51	\$5,465.40
358.8	2	118,096	717.6	5,237,103	3,148,207.9	\$2,575.67	\$2,734.19
358.9	4	118,100	1,435.6	5,238,538	3,146,772.3	\$5,152.75	\$5,469.87
359	7	118,107	2,513.0	5,241,051	3,144,259.3	\$9,019.78	\$9,574.87
359.1	4	118,111	1,436.4	5,242,488	3,142,822.9	\$5,155.57	\$5,472.84
359.2	1	118,112	359.2	5,242,847	3,142,463.7	\$1,289.25	\$1,368.58
359.3	1	118,113	359.3	5,243,206	3,142,104.4	\$1,289.60	\$1,368.96
359.4	1	118,114	359.4	5,243,566	3,141,745.0	\$1,289.95	\$1,369.33
359.5	1	118,115	359.5	5,243,925	3,141,385.5	\$1,290.31	\$1,369.70
359.6	1	118,116	359.6	5,244,285	3,141,025.9	\$1,290.66	\$1,370.07
359.7	2	118,118	719.4	5,245,004	3,140,306.5	\$2,582.02	\$2,740.89
359.8	2	118,120	719.6	5,245,724	3,139,586.9	\$2,582.73	\$2,741.63
359.9	2	118,122	719.8	5,246,444	3,138,867.1	\$2,583.44	\$2,742.38
360	4	118,126	1,440.0	5,247,884	3,137,427.1	\$5,168.29	\$5,486.24
360.2	1	118,127	360.2	5,248,244	3,137,066.9	\$1,292.78	\$1,372.30
360.3	2	118,129	720.6	5,248,964	3,136,346.3	\$2,586.26	\$2,745.35
360.5	2	118,131	721.0	5,249,685	3,135,625.3	\$2,587.67	\$2,746.84
360.6	1	118,132	360.6	5,250,046	3,135,264.7	\$1,294.19	\$1,373.79
360.7	1	118,133	360.7	5,250,407	3,134,904.0	\$1,294.54	\$1,374.16
360.9	1	118,134	360.9	5,250,768	3,134,543.1	\$1,295.25	\$1,374.91
361	7	118,141	2,527.0	5,253,295	3,132,016.1	\$9,069.22	\$9,626.97
361.1	3	118,144	1,083.3	5,254,378	3,130,932.8	\$3,887.87	\$4,126.96
361.2	1	118,145	361.2	5,254,739	3,130,571.6	\$1,296.31	\$1,376.03
361.3	2	118,147	722.6	5,255,462	3,129,849.0	\$2,593.32	\$2,752.79
361.4	3	118,150	1,084.2	5,256,546	3,128,764.8	\$3,891.04	\$4,130.31
361.6	2	118,152	723.2	5,257,269	3,128,041.6	\$2,595.44	\$2,755.03
361.7	2	118,154	723.4	5,257,992	3,127,318.2	\$2,596.15	\$2,755.77
361.8	1	118,155	361.8	5,258,354	3,126,956.4	\$1,298.43	\$1,378.26
361.9	1	118,156	361.9	5,258,716	3,126,594.5	\$1,298.78	\$1,378.63
362	4	118,160	1,448.0	5,260,164	3,125,146.5	\$5,196.53	\$5,516.01
362.2	2	118,162	724.4	5,260,889	3,124,422.1	\$2,599.68	\$2,759.49
362.3	1	118,163	362.3	5,261,251	3,124,059.8	\$1,300.19	\$1,380.12
362.5	4	118,167	1,450.0	5,262,701	3,122,609.8	\$5,203.60	\$5,523.45
362.8	1	118,168	362.8	5,263,064	3,122,247.0	\$1,301.96	\$1,381.98
363	1	118,169	363.0	5,263,427	3,121,884.0	\$1,302.66	\$1,382.72

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
363.1	4	118,173	1,452.4	5,264,879	3,120,431.6	\$5,212.07	\$5,532.38
363.2	3	118,176	1,089.6	5,265,969	3,119,342.0	\$3,910.11	\$4,150.40
363.3	2	118,178	726.6	5,266,695	3,118,615.4	\$2,607.45	\$2,767.68
363.6	1	118,179	363.6	5,267,059	3,118,251.8	\$1,304.78	\$1,384.96
363.7	2	118,181	727.4	5,267,786	3,117,524.4	\$2,610.27	\$2,770.66
363.8	5	118,186	1,819.0	5,269,605	3,115,705.4	\$6,527.44	\$6,928.50
363.9	1	118,187	363.9	5,269,969	3,115,341.5	\$1,305.84	\$1,386.07
364	7	118,194	2,548.0	5,272,517	3,112,793.5	\$9,143.37	\$9,705.11
364.1	1	118,195	364.1	5,272,881	3,112,429.4	\$1,306.55	\$1,386.82
364.2	3	118,198	1,092.6	5,273,974	3,111,336.8	\$3,920.70	\$4,161.56
364.3	3	118,201	1,092.9	5,275,067	3,110,243.9	\$3,921.76	\$4,162.68
364.4	3	118,204	1,093.2	5,276,160	3,109,150.7	\$3,922.82	\$4,163.80
364.5	1	118,205	364.5	5,276,524	3,108,786.2	\$1,307.96	\$1,388.30
364.7	1	118,206	364.7	5,276,889	3,108,421.5	\$1,308.67	\$1,389.05
364.8	3	118,209	1,094.4	5,277,984	3,107,327.1	\$3,927.06	\$4,168.26
364.9	4	118,213	1,459.6	5,279,443	3,105,867.5	\$5,237.49	\$5,559.17
365	6	118,219	2,190.0	5,281,633	3,103,677.5	\$7,858.36	\$8,340.99
365.1	2	118,221	730.2	5,282,363	3,102,947.3	\$2,620.16	\$2,781.07
365.2	2	118,223	730.4	5,283,094	3,102,216.9	\$2,620.86	\$2,781.82
365.3	1	118,224	365.3	5,283,459	3,101,851.6	\$1,310.79	\$1,391.28
365.4	2	118,226	730.8	5,284,190	3,101,120.8	\$2,622.28	\$2,783.31
365.5	1	118,227	365.5	5,284,555	3,100,755.3	\$1,311.49	\$1,392.03
365.6	4	118,231	1,462.4	5,286,018	3,099,292.9	\$5,247.38	\$5,569.59
365.7	1	118,232	365.7	5,286,383	3,098,927.2	\$1,312.20	\$1,392.77
365.8	2	118,234	731.6	5,287,115	3,098,195.6	\$2,625.10	\$2,786.28
365.9	5	118,239	1,829.5	5,288,945	3,096,366.1	\$6,564.52	\$6,967.57
366	4	118,243	1,464.0	5,290,409	3,094,902.1	\$5,253.03	\$5,575.54
366.1	2	118,245	732.2	5,291,141	3,094,169.9	\$2,627.22	\$2,788.52
366.4	1	118,246	366.4	5,291,507	3,093,803.5	\$1,314.67	\$1,395.37
366.5	2	118,248	733.0	5,292,240	3,093,070.5	\$2,630.04	\$2,791.49
366.6	1	118,249	366.6	5,292,607	3,092,703.9	\$1,315.38	\$1,396.12
366.7	3	118,252	1,100.1	5,293,707	3,091,603.8	\$3,947.19	\$4,189.47
366.9	1	118,253	366.9	5,294,074	3,091,236.9	\$1,316.43	\$1,397.23
367	4	118,257	1,468.0	5,295,542	3,089,768.9	\$5,267.15	\$5,590.43
367.1	3	118,260	1,101.3	5,296,643	3,088,667.6	\$3,951.42	\$4,193.94
367.2	1	118,261	367.2	5,297,010	3,088,300.4	\$1,317.49	\$1,398.35
367.3	4	118,265	1,469.2	5,298,479	3,086,831.2	\$5,271.39	\$5,594.89
367.5	2	118,267	735.0	5,299,214	3,086,096.2	\$2,637.11	\$2,798.94
367.6	3	118,270	1,102.8	5,300,317	3,084,993.4	\$3,956.72	\$4,199.52
367.7	4	118,274	1,470.8	5,301,788	3,083,522.6	\$5,277.04	\$5,600.85
367.9	1	118,275	367.9	5,302,156	3,083,154.7	\$1,319.97	\$1,400.96
368	3	118,278	1,104.0	5,303,260	3,082,050.7	\$3,960.96	\$4,203.98
368.1	1	118,279	368.1	5,303,628	3,081,682.6	\$1,320.67	\$1,401.70
368.2	1	118,280	368.2	5,303,996	3,081,314.4	\$1,321.02	\$1,402.07
368.3	1	118,281	368.3	5,304,365	3,080,946.1	\$1,321.38	\$1,402.44
368.6	2	118,283	737.2	5,305,102	3,080,208.9	\$2,644.87	\$2,807.12
368.7	2	118,285	737.4	5,305,839	3,079,471.5	\$2,645.58	\$2,807.87
368.8	1	118,286	368.8	5,306,208	3,079,102.7	\$1,323.14	\$1,404.30
368.9	1	118,287	368.9	5,306,577	3,078,733.8	\$1,323.50	\$1,404.68

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
369	2	118,289	738.0	5,307,315	3,077,995.8	\$2,647.70	\$2,810.10
369.1	3	118,292	1,107.3	5,308,422	3,076,888.5	\$3,972.61	\$4,216.26
369.2	2	118,294	738.4	5,309,161	3,076,150.1	\$2,649.11	\$2,811.59
369.3	3	118,297	1,107.9	5,310,268	3,075,042.2	\$3,974.73	\$4,218.50
369.4	2	118,299	738.8	5,311,007	3,074,303.4	\$2,650.52	\$2,813.07
369.5	1	118,300	369.5	5,311,377	3,073,933.9	\$1,325.62	\$1,406.91
369.6	2	118,302	739.2	5,312,116	3,073,194.7	\$2,651.94	\$2,814.56
369.7	4	118,306	1,478.8	5,313,595	3,071,715.9	\$5,305.28	\$5,630.61
369.8	1	118,307	369.8	5,313,965	3,071,346.1	\$1,326.67	\$1,408.03
369.9	2	118,309	739.8	5,314,704	3,070,606.3	\$2,654.05	\$2,816.80
370	3	118,312	1,110.0	5,315,814	3,069,496.3	\$3,982.14	\$4,226.31
370.1	1	118,313	370.1	5,316,184	3,069,126.2	\$1,327.73	\$1,409.14
370.2	1	118,314	370.2	5,316,555	3,068,756.0	\$1,328.09	\$1,409.51
370.3	2	118,316	740.6	5,317,295	3,068,015.4	\$2,656.88	\$2,819.77
370.4	5	118,321	1,852.0	5,319,147	3,066,163.4	\$6,643.96	\$7,051.29
370.5	5	118,326	1,852.5	5,321,000	3,064,310.9	\$6,645.73	\$7,053.15
370.6	2	118,328	741.2	5,321,741	3,063,569.7	\$2,659.00	\$2,822.01
370.7	1	118,329	370.7	5,322,112	3,063,199.0	\$1,329.85	\$1,411.37
370.8	2	118,331	741.6	5,322,853	3,062,457.4	\$2,660.41	\$2,823.49
370.9	3	118,334	1,112.7	5,323,966	3,061,344.7	\$3,991.67	\$4,236.36
371	4	118,338	1,484.0	5,325,450	3,059,860.7	\$5,323.65	\$5,649.96
371.2	2	118,340	742.4	5,326,192	3,059,118.3	\$2,663.24	\$2,826.47
371.4	2	118,342	742.8	5,326,935	3,058,375.5	\$2,664.65	\$2,827.96
371.5	3	118,345	1,114.5	5,328,050	3,057,261.0	\$3,998.03	\$4,243.05
371.6	2	118,347	743.2	5,328,793	3,056,517.8	\$2,666.06	\$2,829.45
371.7	1	118,348	371.7	5,329,165	3,056,146.1	\$1,333.38	\$1,415.10
371.8	2	118,350	743.6	5,329,908	3,055,402.5	\$2,667.47	\$2,830.94
372	2	118,352	744.0	5,330,652	3,054,658.5	\$2,668.88	\$2,832.42
372.1	2	118,354	744.2	5,331,396	3,053,914.3	\$2,669.59	\$2,833.17
372.2	2	118,356	744.4	5,332,141	3,053,169.9	\$2,670.30	\$2,833.91
372.3	2	118,358	744.6	5,332,885	3,052,425.3	\$2,671.00	\$2,834.66
372.4	1	118,359	372.4	5,333,258	3,052,052.9	\$1,335.85	\$1,417.70
372.5	1	118,360	372.5	5,333,630	3,051,680.4	\$1,336.21	\$1,418.07
372.6	1	118,361	372.6	5,334,003	3,051,307.8	\$1,336.56	\$1,418.44
372.7	1	118,362	372.7	5,334,376	3,050,935.1	\$1,336.91	\$1,418.82
372.8	2	118,364	745.6	5,335,121	3,050,189.5	\$2,674.53	\$2,838.38
373	2	118,366	746.0	5,335,867	3,049,443.5	\$2,675.95	\$2,839.87
373.3	3	118,369	1,119.9	5,336,987	3,048,323.6	\$4,017.10	\$4,263.15
373.4	2	118,371	746.8	5,337,734	3,047,576.8	\$2,678.77	\$2,842.84
373.5	2	118,373	747.0	5,338,481	3,046,829.8	\$2,679.48	\$2,843.59
373.6	2	118,375	747.2	5,339,228	3,046,082.6	\$2,680.18	\$2,844.33
373.7	4	118,379	1,494.8	5,340,723	3,044,587.8	\$5,361.78	\$5,690.15
373.8	2	118,381	747.6	5,341,470	3,043,840.2	\$2,681.60	\$2,845.82
374	4	118,385	1,496.0	5,342,966	3,042,344.2	\$5,366.02	\$5,694.62
374.1	1	118,386	374.1	5,343,341	3,041,970.1	\$1,341.86	\$1,424.03
374.2	1	118,387	374.2	5,343,715	3,041,595.9	\$1,342.21	\$1,424.40
374.4	4	118,391	1,497.6	5,345,212	3,040,098.3	\$5,371.67	\$5,700.57
374.5	1	118,392	374.5	5,345,587	3,039,723.8	\$1,343.27	\$1,425.51
374.6	2	118,394	749.2	5,346,336	3,038,974.6	\$2,687.25	\$2,851.77

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
375	3	118,397	1,125.0	5,347,461	3,037,849.6	\$4,035.11	\$4,282.13
375.1	2	118,399	750.2	5,348,211	3,037,099.4	\$2,690.78	\$2,855.49
375.2	2	118,401	750.4	5,348,962	3,036,349.0	\$2,691.48	\$2,856.24
375.3	2	118,403	750.6	5,349,712	3,035,598.4	\$2,692.19	\$2,856.98
375.5	1	118,404	375.5	5,350,088	3,035,222.9	\$1,346.80	\$1,429.24
375.8	2	118,406	751.6	5,350,839	3,034,471.3	\$2,695.72	\$2,860.70
375.9	3	118,409	1,127.7	5,351,967	3,033,343.6	\$4,044.64	\$4,292.17
376	5	118,414	1,880.0	5,353,847	3,031,463.6	\$6,742.83	\$7,155.48
376.1	2	118,416	752.2	5,354,599	3,030,711.4	\$2,697.84	\$2,862.94
376.2	2	118,418	752.4	5,355,352	3,029,959.0	\$2,698.54	\$2,863.68
376.3	2	118,420	752.6	5,356,104	3,029,206.4	\$2,699.25	\$2,864.42
376.4	1	118,421	376.4	5,356,481	3,028,830.0	\$1,349.98	\$1,432.58
376.5	1	118,422	376.5	5,356,857	3,028,453.5	\$1,350.33	\$1,432.96
376.6	1	118,423	376.6	5,357,234	3,028,076.9	\$1,350.68	\$1,433.33
376.7	1	118,424	376.7	5,357,610	3,027,700.2	\$1,351.04	\$1,433.70
376.8	1	118,425	376.8	5,357,987	3,027,323.4	\$1,351.39	\$1,434.07
376.9	2	118,427	753.8	5,358,741	3,026,569.6	\$2,703.49	\$2,868.89
377	4	118,431	1,508.0	5,360,249	3,025,061.6	\$5,408.39	\$5,739.27
377.1	3	118,434	1,131.3	5,361,380	3,023,930.3	\$4,057.35	\$4,305.57
377.3	4	118,438	1,509.2	5,362,890	3,022,421.1	\$5,412.62	\$5,743.73
377.4	2	118,440	754.8	5,363,644	3,021,666.3	\$2,707.02	\$2,872.61
377.5	1	118,441	377.5	5,364,022	3,021,288.8	\$1,353.86	\$1,436.68
377.6	3	118,444	1,132.8	5,365,155	3,020,156.0	\$4,062.65	\$4,311.15
377.7	3	118,447	1,133.1	5,366,288	3,019,022.9	\$4,063.71	\$4,312.27
377.8	3	118,450	1,133.4	5,367,421	3,017,889.5	\$4,064.76	\$4,313.38
377.9	2	118,452	755.8	5,368,177	3,017,133.7	\$2,710.55	\$2,876.33
378	2	118,454	756.0	5,368,933	3,016,377.7	\$2,711.26	\$2,877.08
378.2	1	118,455	378.2	5,369,311	3,015,999.5	\$1,356.33	\$1,439.28
378.3	2	118,457	756.6	5,370,068	3,015,242.9	\$2,713.37	\$2,879.31
378.4	3	118,460	1,135.2	5,371,203	3,014,107.7	\$4,071.12	\$4,320.08
378.5	1	118,461	378.5	5,371,581	3,013,729.2	\$1,357.39	\$1,440.40
378.7	3	118,464	1,136.1	5,372,718	3,012,593.1	\$4,074.30	\$4,323.43
378.9	1	118,465	378.9	5,373,096	3,012,214.2	\$1,358.81	\$1,441.89
379	7	118,472	2,653.0	5,375,749	3,009,561.2	\$9,514.11	\$10,095.81
379.1	2	118,474	758.2	5,376,508	3,008,803.0	\$2,719.02	\$2,885.26
379.2	2	118,476	758.4	5,377,266	3,008,044.6	\$2,719.73	\$2,886.01
379.3	2	118,478	758.6	5,378,025	3,007,286.0	\$2,720.44	\$2,886.75
379.5	1	118,479	379.5	5,378,404	3,006,906.5	\$1,360.92	\$1,444.12
379.8	3	118,482	1,139.4	5,379,544	3,005,767.1	\$4,085.95	\$4,335.71
380	2	118,484	760.0	5,380,304	3,005,007.1	\$2,725.38	\$2,891.96
380.1	1	118,485	380.1	5,380,684	3,004,627.0	\$1,363.04	\$1,446.35
380.2	1	118,486	380.2	5,381,064	3,004,246.8	\$1,363.40	\$1,446.72
380.4	1	118,487	380.4	5,381,444	3,003,866.4	\$1,364.10	\$1,447.47
380.5	1	118,488	380.5	5,381,825	3,003,485.9	\$1,364.45	\$1,447.84
380.6	1	118,489	380.6	5,382,205	3,003,105.3	\$1,364.81	\$1,448.21
380.7	2	118,491	761.4	5,382,967	3,002,343.9	\$2,730.32	\$2,897.17
380.8	1	118,492	380.8	5,383,348	3,001,963.1	\$1,365.51	\$1,448.96
381	4	118,496	1,524.0	5,384,872	3,000,439.1	\$5,464.88	\$5,798.80
381.1	4	118,500	1,524.4	5,386,396	2,998,914.7	\$5,466.29	\$5,800.29

**RATE SCHEDULE NT (Commerical/Industrial - Choice)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
381.7	1	118,501	381.7	5,386,778	2,998,533.0	\$1,368.69	\$1,452.31
381.8	3	118,504	1,145.4	5,387,923	2,997,387.6	\$4,107.14	\$4,358.03
381.9	2	118,506	763.8	5,388,687	2,996,623.8	\$2,738.80	\$2,906.10
382	2	118,508	764.0	5,389,451	2,995,859.8	\$2,739.50	\$2,906.84
382.1	2	118,510	764.2	5,390,215	2,995,095.6	\$2,740.21	\$2,907.59
382.2	1	118,511	382.2	5,390,597	2,994,713.4	\$1,370.46	\$1,454.17
382.3	1	118,512	382.3	5,390,980	2,994,331.1	\$1,370.81	\$1,454.54
382.4	3	118,515	1,147.2	5,392,127	2,993,183.9	\$4,113.49	\$4,364.73
382.7	3	118,518	1,148.1	5,393,275	2,992,035.8	\$4,116.67	\$4,368.08
382.8	1	118,519	382.8	5,393,658	2,991,653.0	\$1,372.58	\$1,456.40
383	5	118,524	1,915.0	5,395,573	2,989,738.0	\$6,866.41	\$7,285.72
383.1	3	118,527	1,149.3	5,396,722	2,988,588.7	\$4,120.91	\$4,372.55
383.2	1	118,528	383.2	5,397,105	2,988,205.5	\$1,373.99	\$1,457.89
383.3	1	118,529	383.3	5,397,488	2,987,822.2	\$1,374.34	\$1,458.26
383.4	3	118,532	1,150.2	5,398,639	2,986,672.0	\$4,124.08	\$4,375.89
383.5	1	118,533	383.5	5,399,022	2,986,288.5	\$1,375.05	\$1,459.00
383.7	1	118,534	383.7	5,399,406	2,985,904.8	\$1,375.75	\$1,459.75
383.8	5	118,539	1,919.0	5,401,325	2,983,985.8	\$6,880.53	\$7,300.60
383.9	2	118,541	767.8	5,402,093	2,983,218.0	\$2,752.92	\$2,920.98
384	5	118,546	1,920.0	5,404,013	2,981,298.0	\$6,884.07	\$7,304.32
384.1	3	118,549	1,152.3	5,405,165	2,980,145.7	\$4,131.50	\$4,383.71
384.3	1	118,550	384.3	5,405,549	2,979,761.4	\$1,377.87	\$1,461.98
384.4	3	118,553	1,153.2	5,406,702	2,978,608.2	\$4,134.68	\$4,387.06
384.5	2	118,555	769.0	5,407,471	2,977,839.2	\$2,757.16	\$2,925.45
384.8	2	118,557	769.6	5,408,241	2,977,069.6	\$2,759.28	\$2,927.68
384.9	1	118,558	384.9	5,408,626	2,976,684.7	\$1,379.99	\$1,464.21
385	2	118,560	770.0	5,409,396	2,975,914.7	\$2,760.69	\$2,929.17
385.1	1	118,561	385.1	5,409,781	2,975,529.6	\$1,380.70	\$1,464.96
385.2	1	118,562	385.2	5,410,166	2,975,144.4	\$1,381.05	\$1,465.33
385.3	2	118,564	770.6	5,410,937	2,974,373.8	\$2,762.81	\$2,931.40
385.4	3	118,567	1,156.2	5,412,093	2,973,217.6	\$4,145.27	\$4,398.22
385.5	1	118,568	385.5	5,412,479	2,972,832.1	\$1,382.11	\$1,466.45
385.6	3	118,571	1,156.8	5,413,635	2,971,675.3	\$4,147.39	\$4,400.45
385.7	4	118,575	1,542.8	5,415,178	2,970,132.5	\$5,531.26	\$5,868.76
385.8	2	118,577	771.6	5,415,950	2,969,360.9	\$2,766.34	\$2,935.12
385.9	1	118,578	385.9	5,416,336	2,968,975.0	\$1,383.52	\$1,467.93
386	6	118,584	2,316.0	5,418,652	2,966,659.0	\$8,303.25	\$8,809.84
386.1	1	118,585	386.1	5,419,038	2,966,272.9	\$1,384.23	\$1,468.68
386.2	1	118,586	386.2	5,419,424	2,965,886.7	\$1,384.58	\$1,469.05
386.4	2	118,588	772.8	5,420,197	2,965,113.9	\$2,770.57	\$2,939.59
386.5	5	118,593	1,932.5	5,422,129	2,963,181.4	\$6,928.20	\$7,350.83
386.6	2	118,595	773.2	5,422,902	2,962,408.2	\$2,771.99	\$2,941.08
386.7	1	118,596	386.7	5,423,289	2,962,021.5	\$1,386.35	\$1,470.91
386.8	1	118,597	386.8	5,423,676	2,961,634.7	\$1,386.70	\$1,471.28
386.9	3	118,600	1,160.7	5,424,837	2,960,474.0	\$4,161.16	\$4,414.96
387	7	118,607	2,709.0	5,427,546	2,957,765.0	\$9,711.84	\$10,304.19
387.1	1	118,608	387.1	5,427,933	2,957,377.9	\$1,387.76	\$1,472.40
387.2	3	118,611	1,161.6	5,429,094	2,956,216.3	\$4,164.34	\$4,418.31
387.3	2	118,613	774.6	5,429,869	2,955,441.7	\$2,776.93	\$2,946.29



## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
387.7	2	118,615	775.4	5,430,644	2,954,666.3	\$2,779.75	\$2,949.26
387.8	4	118,619	1,551.2	5,432,196	2,953,115.1	\$5,560.92	\$5,900.02
387.9	3	118,622	1,163.7	5,433,359	2,951,951.4	\$4,171.75	\$4,426.13
388	5	118,627	1,940.0	5,435,299	2,950,011.4	\$6,954.68	\$7,378.74
388.1	1	118,628	388.1	5,435,687	2,949,623.3	\$1,391.29	\$1,476.12
388.2	1	118,629	388.2	5,436,076	2,949,235.1	\$1,391.64	\$1,476.49
388.3	2	118,631	776.6	5,436,852	2,948,458.5	\$2,783.99	\$2,953.73
388.4	2	118,633	776.8	5,437,629	2,947,681.7	\$2,784.70	\$2,954.47
388.5	2	118,635	777.0	5,438,406	2,946,904.7	\$2,785.40	\$2,955.22
388.6	1	118,636	388.6	5,438,795	2,946,516.1	\$1,393.06	\$1,477.98
388.7	2	118,638	777.4	5,439,572	2,945,738.7	\$2,786.82	\$2,956.71
388.8	1	118,639	388.8	5,439,961	2,945,349.9	\$1,393.76	\$1,478.72
388.9	2	118,641	777.8	5,440,739	2,944,572.1	\$2,788.23	\$2,958.19
389	2	118,643	778.0	5,441,517	2,943,794.1	\$2,788.94	\$2,958.94
389.1	5	118,648	1,945.5	5,443,462	2,941,848.6	\$6,974.10	\$7,399.21
389.2	4	118,652	1,556.8	5,445,019	2,940,291.8	\$5,580.70	\$5,920.85
389.3	4	118,656	1,557.2	5,446,576	2,938,734.6	\$5,582.11	\$5,922.34
389.5	2	118,658	779.0	5,447,355	2,937,955.6	\$2,792.47	\$2,962.66
389.7	1	118,659	389.7	5,447,745	2,937,565.9	\$1,396.94	\$1,482.07
389.8	1	118,660	389.8	5,448,135	2,937,176.1	\$1,397.29	\$1,482.45
389.9	2	118,662	779.8	5,448,914	2,936,396.3	\$2,795.29	\$2,965.64
390	6	118,668	2,340.0	5,451,254	2,934,056.3	\$8,387.99	\$8,899.14
390.1	2	118,670	780.2	5,452,035	2,933,276.1	\$2,796.70	\$2,967.12
390.2	2	118,672	780.4	5,452,815	2,932,495.7	\$2,797.41	\$2,967.87
390.5	2	118,674	781.0	5,453,596	2,931,714.7	\$2,799.53	\$2,970.10
390.6	2	118,676	781.2	5,454,377	2,930,933.5	\$2,800.23	\$2,970.85
390.7	2	118,678	781.4	5,455,159	2,930,152.1	\$2,800.94	\$2,971.59
390.8	4	118,682	1,563.2	5,456,722	2,928,588.9	\$5,603.29	\$5,944.67
390.9	1	118,683	390.9	5,457,113	2,928,198.0	\$1,401.18	\$1,486.54
391	1	118,684	391.0	5,457,504	2,927,807.0	\$1,401.53	\$1,486.91
391.1	1	118,685	391.1	5,457,895	2,927,415.9	\$1,401.88	\$1,487.28
391.4	1	118,686	391.4	5,458,286	2,927,024.5	\$1,402.94	\$1,488.40
391.5	1	118,687	391.5	5,458,678	2,926,633.0	\$1,403.29	\$1,488.77
391.6	2	118,689	783.2	5,459,461	2,925,849.8	\$2,807.30	\$2,978.29
391.7	2	118,691	783.4	5,460,244	2,925,066.4	\$2,808.00	\$2,979.03
391.8	1	118,692	391.8	5,460,636	2,924,674.6	\$1,404.35	\$1,489.89
391.9	1	118,693	391.9	5,461,028	2,924,282.7	\$1,404.71	\$1,490.26
392	4	118,697	1,568.0	5,462,596	2,922,714.7	\$5,620.24	\$5,962.53
392.1	2	118,699	784.2	5,463,380	2,921,930.5	\$2,810.83	\$2,982.01
392.2	3	118,702	1,176.6	5,464,557	2,920,753.9	\$4,217.30	\$4,474.13
392.3	4	118,706	1,569.2	5,466,126	2,919,184.7	\$5,624.48	\$5,966.99
392.4	1	118,707	392.4	5,466,518	2,918,792.3	\$1,406.47	\$1,492.12
392.5	1	118,708	392.5	5,466,911	2,918,399.8	\$1,406.83	\$1,492.49
392.6	2	118,710	785.2	5,467,696	2,917,614.6	\$2,814.36	\$2,985.73
392.7	1	118,711	392.7	5,468,089	2,917,221.9	\$1,407.53	\$1,493.24
392.8	1	118,712	392.8	5,468,482	2,916,829.1	\$1,407.89	\$1,493.61
393	3	118,715	1,179.0	5,469,661	2,915,650.1	\$4,225.77	\$4,483.06
393.1	1	118,716	393.1	5,470,054	2,915,257.0	\$1,408.94	\$1,494.73
393.2	1	118,717	393.2	5,470,447	2,914,863.8	\$1,409.30	\$1,495.10

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
393.3	1	118,718	393.3	5,470,840	2,914,470.5	\$1,409.65	\$1,495.47
393.4	2	118,720	786.8	5,471,627	2,913,683.7	\$2,820.01	\$2,991.68
393.5	1	118,721	393.5	5,472,020	2,913,290.2	\$1,410.36	\$1,496.21
393.6	2	118,723	787.2	5,472,808	2,912,503.0	\$2,821.42	\$2,993.17
393.7	1	118,724	393.7	5,473,201	2,912,109.3	\$1,411.06	\$1,496.96
393.8	1	118,725	393.8	5,473,595	2,911,715.5	\$1,411.42	\$1,497.33
393.9	1	118,726	393.9	5,473,989	2,911,321.6	\$1,411.77	\$1,497.70
394	3	118,729	1,182.0	5,475,171	2,910,139.6	\$4,236.37	\$4,494.22
394.1	1	118,730	394.1	5,475,565	2,909,745.5	\$1,412.48	\$1,498.45
394.2	3	118,733	1,182.6	5,476,748	2,908,562.9	\$4,238.48	\$4,496.45
394.3	2	118,735	788.6	5,477,536	2,907,774.3	\$2,826.36	\$2,998.38
394.4	1	118,736	394.4	5,477,931	2,907,379.9	\$1,413.53	\$1,499.56
394.5	3	118,739	1,183.5	5,479,114	2,906,196.4	\$4,241.66	\$4,499.80
394.7	2	118,741	789.4	5,479,904	2,905,407.0	\$2,829.19	\$3,001.36
394.8	1	118,742	394.8	5,480,298	2,905,012.2	\$1,414.95	\$1,501.05
394.9	2	118,744	789.8	5,481,088	2,904,222.4	\$2,830.60	\$3,002.85
395	5	118,749	1,975.0	5,483,063	2,902,247.4	\$7,078.27	\$7,508.98
395.2	2	118,751	790.4	5,483,854	2,901,457.0	\$2,832.72	\$3,005.08
395.3	2	118,753	790.6	5,484,644	2,900,666.4	\$2,833.42	\$3,005.82
395.4	1	118,754	395.4	5,485,040	2,900,271.0	\$1,417.07	\$1,503.28
395.5	1	118,755	395.5	5,485,435	2,899,875.5	\$1,417.42	\$1,503.66
395.6	2	118,757	791.2	5,486,226	2,899,084.3	\$2,835.54	\$3,008.06
395.8	3	118,760	1,187.4	5,487,414	2,897,896.9	\$4,255.43	\$4,514.32
395.9	1	118,761	395.9	5,487,810	2,897,501.0	\$1,418.83	\$1,505.14
396	4	118,765	1,584.0	5,489,394	2,895,917.0	\$5,676.74	\$6,022.06
396.1	1	118,766	396.1	5,489,790	2,895,520.9	\$1,419.54	\$1,505.89
396.2	2	118,768	792.4	5,490,582	2,894,728.5	\$2,839.78	\$3,012.52
396.3	1	118,769	396.3	5,490,978	2,894,332.2	\$1,420.24	\$1,506.63
396.6	3	118,772	1,189.8	5,492,168	2,893,142.4	\$4,263.91	\$4,523.25
396.7	2	118,774	793.4	5,492,962	2,892,349.0	\$2,843.31	\$3,016.24
396.9	1	118,775	396.9	5,493,359	2,891,952.1	\$1,422.36	\$1,508.86
397	1	118,776	397.0	5,493,756	2,891,555.1	\$1,422.71	\$1,509.24
397.1	2	118,778	794.2	5,494,550	2,890,760.9	\$2,846.14	\$3,019.22
397.4	3	118,781	1,192.2	5,495,742	2,889,568.7	\$4,272.38	\$4,532.18
397.5	2	118,783	795.0	5,496,537	2,888,773.7	\$2,848.96	\$3,022.20
397.7	1	118,784	397.7	5,496,935	2,888,376.0	\$1,425.19	\$1,511.84
397.8	3	118,787	1,193.4	5,498,128	2,887,182.6	\$4,276.62	\$4,536.64
397.9	1	118,788	397.9	5,498,526	2,886,784.7	\$1,425.89	\$1,512.59
398	7	118,795	2,786.0	5,501,312	2,883,998.7	\$9,983.72	\$10,590.71
398.1	3	118,798	1,194.3	5,502,506	2,882,804.4	\$4,279.80	\$4,539.99
398.3	1	118,799	398.3	5,502,905	2,882,406.1	\$1,427.30	\$1,514.07
398.4	1	118,800	398.4	5,503,303	2,882,007.7	\$1,427.66	\$1,514.45
398.5	1	118,801	398.5	5,503,701	2,881,609.2	\$1,428.01	\$1,514.82
398.6	2	118,803	797.2	5,504,499	2,880,812.0	\$2,856.73	\$3,030.38
398.7	3	118,806	1,196.1	5,505,695	2,879,615.9	\$4,286.15	\$4,546.69
398.8	1	118,807	398.8	5,506,094	2,879,217.1	\$1,429.07	\$1,515.93
398.9	3	118,810	1,196.7	5,507,290	2,878,020.4	\$4,288.27	\$4,548.92
399	4	118,814	1,596.0	5,508,886	2,876,424.4	\$5,719.11	\$6,066.72
399.1	1	118,815	399.1	5,509,285	2,876,025.3	\$1,430.13	\$1,517.05

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
399.3	1	118,816	399.3	5,509,685	2,875,626.0	\$1,430.84	\$1,517.80
399.4	4	118,820	1,597.6	5,511,282	2,874,028.4	\$5,724.76	\$6,072.67
399.6	1	118,821	399.6	5,511,682	2,873,628.8	\$1,431.90	\$1,518.91
399.7	2	118,823	799.4	5,512,481	2,872,829.4	\$2,864.50	\$3,038.57
399.8	2	118,825	799.6	5,513,281	2,872,029.8	\$2,865.20	\$3,039.31
399.9	2	118,827	799.8	5,514,081	2,871,230.0	\$2,865.91	\$3,040.06
400	4	118,831	1,600.0	5,515,681	2,869,630.0	\$5,733.23	\$6,081.60
400.1	1	118,832	400.1	5,516,081	2,869,229.9	\$1,433.66	\$1,520.77
400.4	1	118,833	400.4	5,516,481	2,868,829.5	\$1,434.72	\$1,521.89
400.5	1	118,834	400.5	5,516,882	2,868,429.0	\$1,435.07	\$1,522.26
400.6	1	118,835	400.6	5,517,282	2,868,028.4	\$1,435.43	\$1,522.63
400.7	2	118,837	801.4	5,518,084	2,867,227.0	\$2,871.56	\$3,046.01
400.8	2	118,839	801.6	5,518,885	2,866,425.4	\$2,872.26	\$3,046.75
400.9	1	118,840	400.9	5,519,286	2,866,024.5	\$1,436.49	\$1,523.75
401	1	118,841	401.0	5,519,687	2,865,623.5	\$1,436.84	\$1,524.12
401.2	2	118,843	802.4	5,520,490	2,864,821.1	\$2,875.09	\$3,049.73
401.3	3	118,846	1,203.9	5,521,693	2,863,617.2	\$4,313.69	\$4,575.71
401.4	4	118,850	1,605.6	5,523,299	2,862,011.6	\$5,753.00	\$6,102.44
401.7	1	118,851	401.7	5,523,701	2,861,609.9	\$1,439.31	\$1,526.73
402	2	118,853	804.0	5,524,505	2,860,805.9	\$2,880.74	\$3,055.68
402.1	3	118,856	1,206.3	5,525,711	2,859,599.6	\$4,322.17	\$4,584.64
402.2	1	118,857	402.2	5,526,113	2,859,197.4	\$1,441.08	\$1,528.59
402.4	2	118,859	804.8	5,526,918	2,858,392.6	\$2,883.56	\$3,058.66
402.5	1	118,860	402.5	5,527,321	2,857,990.1	\$1,442.13	\$1,529.70
402.6	3	118,863	1,207.8	5,528,528	2,856,782.3	\$4,327.46	\$4,590.22
402.7	1	118,864	402.7	5,528,931	2,856,379.6	\$1,442.84	\$1,530.45
402.8	1	118,865	402.8	5,529,334	2,855,976.8	\$1,443.19	\$1,530.82
403	4	118,869	1,612.0	5,530,946	2,854,364.8	\$5,775.60	\$6,126.25
403.1	2	118,871	806.2	5,531,752	2,853,558.6	\$2,888.51	\$3,063.87
403.2	2	118,873	806.4	5,532,558	2,852,752.2	\$2,889.21	\$3,064.61
403.4	2	118,875	806.8	5,533,365	2,851,945.4	\$2,890.63	\$3,066.10
403.5	1	118,876	403.5	5,533,769	2,851,541.9	\$1,445.67	\$1,533.42
403.7	2	118,878	807.4	5,534,576	2,850,734.5	\$2,892.74	\$3,068.34
403.8	1	118,879	403.8	5,534,980	2,850,330.7	\$1,446.72	\$1,534.54
403.9	2	118,881	807.8	5,535,788	2,849,522.9	\$2,894.16	\$3,069.82
404	3	118,884	1,212.0	5,537,000	2,848,310.9	\$4,342.29	\$4,605.85
404.1	3	118,887	1,212.3	5,538,212	2,847,098.6	\$4,343.35	\$4,606.97
404.2	1	118,888	404.2	5,538,616	2,846,694.4	\$1,448.14	\$1,536.03
404.3	1	118,889	404.3	5,539,021	2,846,290.1	\$1,448.49	\$1,536.40
404.4	1	118,890	404.4	5,539,425	2,845,885.7	\$1,448.84	\$1,536.77
404.5	2	118,892	809.0	5,540,234	2,845,076.7	\$2,898.39	\$3,074.29
404.6	1	118,893	404.6	5,540,639	2,844,672.1	\$1,449.55	\$1,537.52
404.7	1	118,894	404.7	5,541,043	2,844,267.4	\$1,449.90	\$1,537.89
404.8	2	118,896	809.6	5,541,853	2,843,457.8	\$2,900.51	\$3,076.52
404.9	3	118,899	1,214.7	5,543,068	2,842,243.1	\$4,351.83	\$4,615.90
405	2	118,901	810.0	5,543,878	2,841,433.1	\$2,901.92	\$3,078.01
405.1	4	118,905	1,620.4	5,545,498	2,839,812.7	\$5,805.26	\$6,157.51
405.2	1	118,906	405.2	5,545,903	2,839,407.5	\$1,451.67	\$1,539.75
405.3	1	118,907	405.3	5,546,308	2,839,002.2	\$1,452.02	\$1,540.12

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
405.4	1	118,908	405.4	5,546,714	2,838,596.8	\$1,452.37	\$1,540.49
405.5	1	118,909	405.5	5,547,119	2,838,191.3	\$1,452.73	\$1,540.87
405.6	1	118,910	405.6	5,547,525	2,837,785.7	\$1,453.08	\$1,541.24
405.7	2	118,912	811.4	5,548,336	2,836,974.3	\$2,906.87	\$3,083.22
406	4	118,916	1,624.0	5,549,960	2,835,350.3	\$5,817.97	\$6,170.90
406.1	1	118,917	406.1	5,550,366	2,834,944.2	\$1,454.85	\$1,543.10
406.2	3	118,920	1,218.6	5,551,585	2,833,725.6	\$4,365.60	\$4,630.41
406.3	1	118,921	406.3	5,551,991	2,833,319.3	\$1,455.55	\$1,543.84
406.4	1	118,922	406.4	5,552,398	2,832,912.9	\$1,455.91	\$1,544.21
406.6	2	118,924	813.2	5,553,211	2,832,099.7	\$2,913.22	\$3,089.92
406.7	1	118,925	406.7	5,553,618	2,831,693.0	\$1,456.96	\$1,545.33
406.8	1	118,926	406.8	5,554,024	2,831,286.2	\$1,457.32	\$1,545.70
406.9	2	118,928	813.8	5,554,838	2,830,472.4	\$2,915.34	\$3,092.15
407	5	118,933	2,035.0	5,556,873	2,828,437.4	\$7,290.12	\$7,732.24
407.2	2	118,935	814.4	5,557,688	2,827,623.0	\$2,917.46	\$3,094.38
407.3	2	118,937	814.6	5,558,502	2,826,808.4	\$2,918.17	\$3,095.13
407.4	1	118,938	407.4	5,558,910	2,826,401.0	\$1,459.44	\$1,547.94
407.5	1	118,939	407.5	5,559,317	2,825,993.5	\$1,459.79	\$1,548.31
407.6	1	118,940	407.6	5,559,725	2,825,585.9	\$1,460.14	\$1,548.68
407.8	2	118,942	815.6	5,560,540	2,824,770.3	\$2,921.70	\$3,098.85
408	5	118,947	2,040.0	5,562,580	2,822,730.3	\$7,307.77	\$7,750.84
408.2	1	118,948	408.2	5,562,989	2,822,322.1	\$1,462.26	\$1,550.91
408.3	2	118,950	816.6	5,563,805	2,821,505.5	\$2,925.23	\$3,102.57
408.4	1	118,951	408.4	5,564,214	2,821,097.1	\$1,462.97	\$1,551.66
408.6	1	118,952	408.6	5,564,622	2,820,688.5	\$1,463.67	\$1,552.40
408.9	1	118,953	408.9	5,565,031	2,820,279.6	\$1,464.73	\$1,553.52
409	1	118,954	409.0	5,565,440	2,819,870.6	\$1,465.09	\$1,553.89
409.3	3	118,957	1,227.9	5,566,668	2,818,642.7	\$4,398.43	\$4,665.02
409.4	1	118,958	409.4	5,567,077	2,818,233.3	\$1,466.50	\$1,555.38
409.5	1	118,959	409.5	5,567,487	2,817,823.8	\$1,466.85	\$1,555.75
409.7	3	118,962	1,229.1	5,568,716	2,816,594.7	\$4,402.67	\$4,669.48
409.9	3	118,965	1,229.7	5,569,946	2,815,365.0	\$4,404.79	\$4,671.71
410	6	118,971	2,460.0	5,572,406	2,812,905.0	\$8,811.70	\$9,345.66
410.1	1	118,972	410.1	5,572,816	2,812,494.9	\$1,468.97	\$1,557.98
410.2	1	118,973	410.2	5,573,226	2,812,084.7	\$1,469.32	\$1,558.35
410.3	1	118,974	410.3	5,573,636	2,811,674.4	\$1,469.68	\$1,558.73
410.4	1	118,975	410.4	5,574,047	2,811,264.0	\$1,470.03	\$1,559.10
410.5	1	118,976	410.5	5,574,457	2,810,853.5	\$1,470.38	\$1,559.47
410.6	1	118,977	410.6	5,574,868	2,810,442.9	\$1,470.74	\$1,559.84
410.7	4	118,981	1,642.8	5,576,511	2,808,800.1	\$5,884.35	\$6,240.86
410.9	1	118,982	410.9	5,576,921	2,808,389.2	\$1,471.79	\$1,560.96
411	1	118,983	411.0	5,577,332	2,807,978.2	\$1,472.15	\$1,561.33
411.1	2	118,985	822.2	5,578,155	2,807,156.0	\$2,945.00	\$3,123.41
411.2	3	118,988	1,233.6	5,579,388	2,805,922.4	\$4,418.56	\$4,686.23
411.3	2	118,990	822.6	5,580,211	2,805,099.8	\$2,946.41	\$3,124.89
411.4	1	118,991	411.4	5,580,622	2,804,688.4	\$1,473.56	\$1,562.82
411.6	1	118,992	411.6	5,581,034	2,804,276.8	\$1,474.27	\$1,563.56
411.7	4	118,996	1,646.8	5,582,681	2,802,630.0	\$5,898.48	\$6,255.74
411.8	1	118,997	411.8	5,583,092	2,802,218.2	\$1,474.97	\$1,564.31

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
412	5	119,002	2,060.0	5,585,152	2,800,158.2	\$7,378.39	\$7,825.26
412.1	1	119,003	412.1	5,585,565	2,799,746.1	\$1,476.03	\$1,565.42
412.4	1	119,004	412.4	5,585,977	2,799,333.7	\$1,477.09	\$1,566.54
412.5	3	119,007	1,237.5	5,587,214	2,798,096.2	\$4,432.33	\$4,700.74
413	3	119,010	1,239.0	5,588,453	2,796,857.2	\$4,437.63	\$4,706.32
413.2	1	119,011	413.2	5,588,867	2,796,444.0	\$1,479.92	\$1,569.52
413.4	2	119,013	826.8	5,589,693	2,795,617.2	\$2,961.24	\$3,140.52
413.5	1	119,014	413.5	5,590,107	2,795,203.7	\$1,480.97	\$1,570.63
413.6	2	119,016	827.2	5,590,934	2,794,376.5	\$2,962.66	\$3,142.01
413.7	1	119,017	413.7	5,591,348	2,793,962.8	\$1,481.68	\$1,571.38
413.8	1	119,018	413.8	5,591,762	2,793,549.0	\$1,482.03	\$1,571.75
414	1	119,019	414.0	5,592,176	2,793,135.0	\$1,482.74	\$1,572.49
414.2	2	119,021	828.4	5,593,004	2,792,306.6	\$2,966.89	\$3,146.48
414.3	1	119,022	414.3	5,593,418	2,791,892.3	\$1,483.80	\$1,573.61
414.5	2	119,024	829.0	5,594,247	2,791,063.3	\$2,969.01	\$3,148.71
414.6	1	119,025	414.6	5,594,662	2,790,648.7	\$1,484.86	\$1,574.73
414.8	1	119,026	414.8	5,595,077	2,790,233.9	\$1,485.56	\$1,575.47
414.9	1	119,027	414.9	5,595,492	2,789,819.0	\$1,485.92	\$1,575.84
415	4	119,031	1,660.0	5,597,152	2,788,159.0	\$5,945.08	\$6,304.86
415.2	3	119,034	1,245.6	5,598,397	2,786,913.4	\$4,460.93	\$4,730.88
415.3	2	119,036	830.6	5,599,228	2,786,082.8	\$2,974.66	\$3,154.66
415.4	2	119,038	830.8	5,600,059	2,785,252.0	\$2,975.37	\$3,155.41
415.6	1	119,039	415.6	5,600,474	2,784,836.4	\$1,488.39	\$1,578.45
415.7	3	119,042	1,247.1	5,601,721	2,783,589.3	\$4,466.23	\$4,736.46
415.8	2	119,044	831.6	5,602,553	2,782,757.7	\$2,978.19	\$3,158.38
415.9	1	119,045	415.9	5,602,969	2,782,341.8	\$1,489.45	\$1,579.56
416	1	119,046	416.0	5,603,385	2,781,925.8	\$1,489.80	\$1,579.94
416.1	1	119,047	416.1	5,603,801	2,781,509.7	\$1,490.15	\$1,580.31
416.3	4	119,051	1,665.2	5,605,466	2,779,844.5	\$5,963.44	\$6,324.21
416.4	1	119,052	416.4	5,605,883	2,779,428.1	\$1,491.21	\$1,581.42
416.6	3	119,055	1,249.8	5,607,132	2,778,178.3	\$4,475.76	\$4,746.51
416.9	1	119,056	416.9	5,607,549	2,777,761.4	\$1,492.98	\$1,583.28
417	1	119,057	417.0	5,607,966	2,777,344.4	\$1,493.33	\$1,583.66
417.3	2	119,059	834.6	5,608,801	2,776,509.8	\$2,988.78	\$3,169.55
417.5	1	119,060	417.5	5,609,218	2,776,092.3	\$1,495.10	\$1,585.52
417.6	1	119,061	417.6	5,609,636	2,775,674.7	\$1,495.45	\$1,585.89
417.8	1	119,062	417.8	5,610,054	2,775,256.9	\$1,496.16	\$1,586.63
417.9	1	119,063	417.9	5,610,472	2,774,839.0	\$1,496.51	\$1,587.01
418	5	119,068	2,090.0	5,612,562	2,772,749.0	\$7,484.32	\$7,936.89
418.1	2	119,070	836.2	5,613,398	2,771,912.8	\$2,994.43	\$3,175.50
418.2	3	119,073	1,254.6	5,614,652	2,770,658.2	\$4,492.71	\$4,764.37
418.4	1	119,074	418.4	5,615,071	2,770,239.8	\$1,498.28	\$1,588.87
418.5	1	119,075	418.5	5,615,489	2,769,821.3	\$1,498.63	\$1,589.24
418.6	1	119,076	418.6	5,615,908	2,769,402.7	\$1,498.98	\$1,589.61
418.8	1	119,077	418.8	5,616,327	2,768,983.9	\$1,499.69	\$1,590.35
419	3	119,080	1,257.0	5,617,584	2,767,726.9	\$4,501.18	\$4,773.30
419.1	2	119,082	838.2	5,618,422	2,766,888.7	\$3,001.50	\$3,182.94
419.2	2	119,084	838.4	5,619,260	2,766,050.3	\$3,002.20	\$3,183.69
419.3	1	119,085	419.3	5,619,680	2,765,631.0	\$1,501.45	\$1,592.22

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
419.4	1	119,086	419.4	5,620,099	2,765,211.6	\$1,501.81	\$1,592.59
419.6	1	119,087	419.6	5,620,519	2,764,792.0	\$1,502.51	\$1,593.33
419.7	2	119,089	839.4	5,621,358	2,763,952.6	\$3,005.73	\$3,187.41
419.8	1	119,090	419.8	5,621,778	2,763,532.8	\$1,503.22	\$1,594.08
420	2	119,092	840.0	5,622,618	2,762,692.8	\$3,007.85	\$3,189.64
420.1	2	119,094	840.2	5,623,458	2,761,852.6	\$3,008.56	\$3,190.38
420.2	1	119,095	420.2	5,623,878	2,761,432.4	\$1,504.63	\$1,595.56
420.4	2	119,097	840.8	5,624,719	2,760,591.6	\$3,010.68	\$3,192.62
420.7	2	119,099	841.4	5,625,560	2,759,750.2	\$3,012.79	\$3,194.85
420.8	1	119,100	420.8	5,625,981	2,759,329.4	\$1,506.75	\$1,597.80
420.9	2	119,102	841.8	5,626,823	2,758,487.6	\$3,014.21	\$3,196.34
421	2	119,104	842.0	5,627,665	2,757,645.6	\$3,014.91	\$3,197.08
421.1	1	119,105	421.1	5,628,086	2,757,224.5	\$1,507.81	\$1,598.91
421.2	2	119,107	842.4	5,628,929	2,756,382.1	\$3,016.33	\$3,198.57
421.4	2	119,109	842.8	5,629,771	2,755,539.3	\$3,017.74	\$3,200.06
421.5	1	119,110	421.5	5,630,193	2,755,117.8	\$1,509.22	\$1,600.40
421.8	1	119,111	421.8	5,630,615	2,754,696.0	\$1,510.28	\$1,601.52
422	4	119,115	1,688.0	5,632,303	2,753,008.0	\$6,043.95	\$6,409.05
422.1	1	119,116	422.1	5,632,725	2,752,585.9	\$1,511.34	\$1,602.63
422.4	2	119,118	844.8	5,633,570	2,751,741.1	\$3,024.80	\$3,207.50
423	4	119,122	1,692.0	5,635,262	2,750,049.1	\$6,058.07	\$6,423.93
423.2	1	119,123	423.2	5,635,685	2,749,625.9	\$1,515.22	\$1,606.73
423.4	2	119,125	846.8	5,636,532	2,748,779.1	\$3,031.86	\$3,214.94
423.6	3	119,128	1,270.8	5,637,802	2,747,508.3	\$4,549.91	\$4,824.65
423.7	1	119,129	423.7	5,638,226	2,747,084.6	\$1,516.99	\$1,608.59
423.9	1	119,130	423.9	5,638,650	2,746,660.7	\$1,517.70	\$1,609.33
424	4	119,134	1,696.0	5,640,346	2,744,964.7	\$6,072.20	\$6,438.82
424.1	1	119,135	424.1	5,640,770	2,744,540.6	\$1,518.40	\$1,610.08
424.4	2	119,137	848.8	5,641,619	2,743,691.8	\$3,038.92	\$3,222.38
424.5	1	119,138	424.5	5,642,043	2,743,267.3	\$1,519.81	\$1,611.56
424.7	2	119,140	849.4	5,642,893	2,742,417.9	\$3,041.04	\$3,224.62
424.8	1	119,141	424.8	5,643,318	2,741,993.1	\$1,520.87	\$1,612.68
424.9	2	119,143	849.8	5,644,167	2,741,143.3	\$3,042.45	\$3,226.11
425	4	119,147	1,700.0	5,645,867	2,739,443.3	\$6,086.32	\$6,453.70
425.2	2	119,149	850.4	5,646,718	2,738,592.9	\$3,044.57	\$3,228.34
425.3	1	119,150	425.3	5,647,143	2,738,167.6	\$1,522.64	\$1,614.54
425.5	6	119,156	2,553.0	5,649,696	2,735,614.6	\$9,140.07	\$9,691.71
425.7	4	119,160	1,702.8	5,651,399	2,733,911.8	\$6,096.21	\$6,464.12
426.1	1	119,161	426.1	5,651,825	2,733,485.7	\$1,525.46	\$1,617.52
426.2	3	119,164	1,278.6	5,653,104	2,732,207.1	\$4,577.45	\$4,853.67
426.3	2	119,166	852.6	5,653,956	2,731,354.5	\$3,052.34	\$3,236.52
426.6	1	119,167	426.6	5,654,383	2,730,927.9	\$1,527.23	\$1,619.38
426.8	3	119,170	1,280.4	5,655,663	2,729,647.5	\$4,583.81	\$4,860.37
427	1	119,171	427.0	5,656,090	2,729,220.5	\$1,528.64	\$1,620.87
427.1	2	119,173	854.2	5,656,944	2,728,366.3	\$3,057.99	\$3,242.48
427.3	1	119,174	427.3	5,657,372	2,727,939.0	\$1,529.70	\$1,621.98
427.4	1	119,175	427.4	5,657,799	2,727,511.6	\$1,530.05	\$1,622.36
427.5	1	119,176	427.5	5,658,227	2,727,084.1	\$1,530.41	\$1,622.73
427.6	2	119,178	855.2	5,659,082	2,726,228.9	\$3,061.52	\$3,246.20

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
427.7	4	119,182	1,710.8	5,660,793	2,724,518.1	\$6,124.45	\$6,493.89
427.8	1	119,183	427.8	5,661,220	2,724,090.3	\$1,531.47	\$1,623.84
427.9	2	119,185	855.8	5,662,076	2,723,234.5	\$3,063.64	\$3,248.43
428	3	119,188	1,284.0	5,663,360	2,721,950.5	\$4,596.52	\$4,873.76
428.1	2	119,190	856.2	5,664,216	2,721,094.3	\$3,065.05	\$3,249.92
428.2	1	119,191	428.2	5,664,645	2,720,666.1	\$1,532.88	\$1,625.33
428.3	1	119,192	428.3	5,665,073	2,720,237.8	\$1,533.23	\$1,625.70
428.5	3	119,195	1,285.5	5,666,358	2,718,952.3	\$4,601.81	\$4,879.35
428.7	1	119,196	428.7	5,666,787	2,718,523.6	\$1,534.64	\$1,627.19
428.9	1	119,197	428.9	5,667,216	2,718,094.7	\$1,535.35	\$1,627.94
429	2	119,199	858.0	5,668,074	2,717,236.7	\$3,071.41	\$3,256.62
429.4	2	119,201	858.8	5,668,933	2,716,377.9	\$3,074.23	\$3,259.59
429.5	1	119,202	429.5	5,669,362	2,715,948.4	\$1,537.47	\$1,630.17
429.6	1	119,203	429.6	5,669,792	2,715,518.8	\$1,537.82	\$1,630.54
429.8	3	119,206	1,289.4	5,671,081	2,714,229.4	\$4,615.58	\$4,893.86
430	5	119,211	2,150.0	5,673,231	2,712,079.4	\$7,696.17	\$8,160.15
430.2	2	119,213	860.4	5,674,092	2,711,219.0	\$3,079.88	\$3,265.55
430.7	1	119,214	430.7	5,674,522	2,710,788.3	\$1,541.71	\$1,634.63
431.5	1	119,215	431.5	5,674,954	2,710,356.8	\$1,544.53	\$1,637.61
431.6	2	119,217	863.2	5,675,817	2,709,493.6	\$3,089.77	\$3,275.97
431.7	1	119,218	431.7	5,676,249	2,709,061.9	\$1,545.24	\$1,638.36
431.8	1	119,219	431.8	5,676,681	2,708,630.1	\$1,545.59	\$1,638.73
431.9	1	119,220	431.9	5,677,112	2,708,198.2	\$1,545.94	\$1,639.10
432	5	119,225	2,160.0	5,679,272	2,706,038.2	\$7,731.48	\$8,197.36
432.3	1	119,226	432.3	5,679,705	2,705,605.9	\$1,547.36	\$1,640.59
432.4	2	119,228	864.8	5,680,570	2,704,741.1	\$3,095.42	\$3,281.92
432.5	3	119,231	1,297.5	5,681,867	2,703,443.6	\$4,644.19	\$4,924.00
432.7	1	119,232	432.7	5,682,300	2,703,010.9	\$1,548.77	\$1,642.08
433	4	119,236	1,732.0	5,684,032	2,701,278.9	\$6,199.31	\$6,572.77
433.2	1	119,237	433.2	5,684,465	2,700,845.7	\$1,550.53	\$1,643.94
433.4	2	119,239	866.8	5,685,332	2,699,978.9	\$3,102.48	\$3,289.36
433.5	1	119,240	433.5	5,685,765	2,699,545.4	\$1,551.59	\$1,645.05
433.6	3	119,243	1,300.8	5,687,066	2,698,244.6	\$4,655.84	\$4,936.28
433.7	1	119,244	433.7	5,687,500	2,697,810.9	\$1,552.30	\$1,645.80
433.8	1	119,245	433.8	5,687,934	2,697,377.1	\$1,552.65	\$1,646.17
433.9	1	119,246	433.9	5,688,367	2,696,943.2	\$1,553.01	\$1,646.54
434	2	119,248	868.0	5,689,235	2,696,075.2	\$3,106.72	\$3,293.83
434.1	2	119,250	868.2	5,690,104	2,695,207.0	\$3,107.42	\$3,294.57
434.2	1	119,251	434.2	5,690,538	2,694,772.8	\$1,554.06	\$1,647.66
434.3	1	119,252	434.3	5,690,972	2,694,338.5	\$1,554.42	\$1,648.03
434.7	3	119,255	1,304.1	5,692,276	2,693,034.4	\$4,667.49	\$4,948.56
435	2	119,257	870.0	5,693,146	2,692,164.4	\$3,113.78	\$3,301.27
435.1	1	119,258	435.1	5,693,581	2,691,729.3	\$1,557.24	\$1,651.01
435.2	1	119,259	435.2	5,694,017	2,691,294.1	\$1,557.60	\$1,651.38
435.3	1	119,260	435.3	5,694,452	2,690,858.8	\$1,557.95	\$1,651.75
435.4	1	119,261	435.4	5,694,887	2,690,423.4	\$1,558.30	\$1,652.12
435.7	1	119,262	435.7	5,695,323	2,689,987.7	\$1,559.36	\$1,653.24
435.8	1	119,263	435.8	5,695,759	2,689,551.9	\$1,559.71	\$1,653.61
436	1	119,264	436.0	5,696,195	2,689,115.9	\$1,560.42	\$1,654.36

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
436.1	1	119,265	436.1	5,696,631	2,688,679.8	\$1,560.77	\$1,654.73
436.2	1	119,266	436.2	5,697,067	2,688,243.6	\$1,561.13	\$1,655.10
436.4	2	119,268	872.8	5,697,940	2,687,370.8	\$3,123.66	\$3,311.69
436.5	1	119,269	436.5	5,698,376	2,686,934.3	\$1,562.19	\$1,656.22
436.6	2	119,271	873.2	5,699,250	2,686,061.1	\$3,125.08	\$3,313.18
436.7	1	119,272	436.7	5,699,686	2,685,624.4	\$1,562.89	\$1,656.96
436.8	1	119,273	436.8	5,700,123	2,685,187.6	\$1,563.24	\$1,657.33
436.9	1	119,274	436.9	5,700,560	2,684,750.7	\$1,563.60	\$1,657.70
437	2	119,276	874.0	5,701,434	2,683,876.7	\$3,127.90	\$3,316.15
437.1	1	119,277	437.1	5,701,871	2,683,439.6	\$1,564.30	\$1,658.45
437.2	1	119,278	437.2	5,702,308	2,683,002.4	\$1,564.66	\$1,658.82
437.4	1	119,279	437.4	5,702,746	2,682,565.0	\$1,565.36	\$1,659.57
437.5	2	119,281	875.0	5,703,621	2,681,690.0	\$3,131.43	\$3,319.88
437.9	3	119,284	1,313.7	5,704,934	2,680,376.3	\$4,701.39	\$4,984.28
438	7	119,291	3,066.0	5,708,000	2,677,310.3	\$10,972.37	\$11,632.59
438.1	1	119,292	438.1	5,708,438	2,676,872.2	\$1,567.83	\$1,662.17
438.2	2	119,294	876.4	5,709,315	2,675,995.8	\$3,136.38	\$3,325.08
438.4	2	119,296	876.8	5,710,192	2,675,119.0	\$3,137.79	\$3,326.57
438.5	2	119,298	877.0	5,711,069	2,674,242.0	\$3,138.49	\$3,327.32
438.8	1	119,299	438.8	5,711,507	2,673,803.2	\$1,570.31	\$1,664.77
439	3	119,302	1,317.0	5,712,824	2,672,486.2	\$4,713.04	\$4,996.56
439.3	4	119,306	1,757.2	5,714,582	2,670,729.0	\$6,288.29	\$6,666.54
439.4	1	119,307	439.4	5,715,021	2,670,289.6	\$1,572.42	\$1,667.01
439.5	1	119,308	439.5	5,715,461	2,669,850.1	\$1,572.78	\$1,667.38
439.6	3	119,311	1,318.8	5,716,779	2,668,531.3	\$4,719.39	\$5,003.25
440	4	119,315	1,760.0	5,718,539	2,666,771.3	\$6,298.17	\$6,676.96
440.1	2	119,317	880.2	5,719,420	2,665,891.1	\$3,149.79	\$3,339.22
440.3	2	119,319	880.6	5,720,300	2,665,010.5	\$3,151.21	\$3,340.71
440.4	1	119,320	440.4	5,720,741	2,664,570.1	\$1,575.96	\$1,670.73
440.6	1	119,321	440.6	5,721,181	2,664,129.5	\$1,576.66	\$1,671.47
440.7	2	119,323	881.4	5,722,063	2,663,248.1	\$3,154.03	\$3,343.69
440.8	3	119,326	1,322.4	5,723,385	2,661,925.7	\$4,732.10	\$5,016.65
440.9	3	119,329	1,322.7	5,724,708	2,660,603.0	\$4,733.16	\$5,017.77
441	5	119,334	2,205.0	5,726,913	2,658,398.0	\$7,890.37	\$8,364.81
441.2	1	119,335	441.2	5,727,354	2,657,956.8	\$1,578.78	\$1,673.71
441.6	1	119,336	441.6	5,727,795	2,657,515.2	\$1,580.19	\$1,675.19
441.7	1	119,337	441.7	5,728,237	2,657,073.5	\$1,580.55	\$1,675.57
441.8	1	119,338	441.8	5,728,679	2,656,631.7	\$1,580.90	\$1,675.94
441.9	1	119,339	441.9	5,729,121	2,656,189.8	\$1,581.25	\$1,676.31
442	1	119,340	442.0	5,729,563	2,655,747.8	\$1,581.61	\$1,676.68
442.1	2	119,342	884.2	5,730,447	2,654,863.6	\$3,163.92	\$3,354.11
442.2	1	119,343	442.2	5,730,889	2,654,421.4	\$1,582.31	\$1,677.43
442.3	2	119,345	884.6	5,731,774	2,653,536.8	\$3,165.33	\$3,355.60
442.5	3	119,348	1,327.5	5,733,101	2,652,209.3	\$4,750.11	\$5,035.63
442.6	1	119,349	442.6	5,733,544	2,651,766.7	\$1,583.72	\$1,678.91
442.7	3	119,352	1,328.1	5,734,872	2,650,438.6	\$4,752.23	\$5,037.86
442.9	1	119,353	442.9	5,735,315	2,649,995.7	\$1,584.78	\$1,680.03
443	2	119,355	886.0	5,736,201	2,649,109.7	\$3,170.27	\$3,360.81
443.2	1	119,356	443.2	5,736,644	2,648,666.5	\$1,585.84	\$1,681.15



## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
443.3	1	119,357	443.3	5,737,087	2,648,223.2	\$1,586.20	\$1,681.52
443.4	1	119,358	443.4	5,737,531	2,647,779.8	\$1,586.55	\$1,681.89
443.5	2	119,360	887.0	5,738,418	2,646,892.8	\$3,173.80	\$3,364.53
443.7	3	119,363	1,331.1	5,739,749	2,645,561.7	\$4,762.82	\$5,049.02
443.8	1	119,364	443.8	5,740,193	2,645,117.9	\$1,587.96	\$1,683.38
443.9	1	119,365	443.9	5,740,637	2,644,674.0	\$1,588.31	\$1,683.75
444	5	119,370	2,220.0	5,742,857	2,642,454.0	\$7,943.34	\$8,420.62
444.5	1	119,371	444.5	5,743,301	2,642,009.5	\$1,590.43	\$1,685.98
444.6	1	119,372	444.6	5,743,746	2,641,564.9	\$1,590.79	\$1,686.36
444.7	2	119,374	889.4	5,744,635	2,640,675.5	\$3,182.28	\$3,373.46
444.8	2	119,376	889.6	5,745,525	2,639,785.9	\$3,182.98	\$3,374.20
445	4	119,380	1,780.0	5,747,305	2,638,005.9	\$6,368.79	\$6,751.38
445.3	2	119,382	890.6	5,748,195	2,637,115.3	\$3,186.51	\$3,377.92
445.4	1	119,383	445.4	5,748,641	2,636,669.9	\$1,593.61	\$1,689.33
445.5	2	119,385	891.0	5,749,532	2,635,778.9	\$3,187.93	\$3,379.41
445.8	2	119,387	891.6	5,750,423	2,634,887.3	\$3,190.05	\$3,381.64
445.9	1	119,388	445.9	5,750,869	2,634,441.4	\$1,595.38	\$1,691.19
446	3	119,391	1,338.0	5,752,207	2,633,103.4	\$4,787.19	\$5,074.70
446.1	1	119,392	446.1	5,752,653	2,632,657.3	\$1,596.08	\$1,691.94
446.2	2	119,394	892.4	5,753,546	2,631,764.9	\$3,192.87	\$3,384.62
446.3	1	119,395	446.3	5,753,992	2,631,318.6	\$1,596.79	\$1,692.68
446.4	1	119,396	446.4	5,754,438	2,630,872.2	\$1,597.14	\$1,693.05
446.5	1	119,397	446.5	5,754,885	2,630,425.7	\$1,597.49	\$1,693.43
446.9	1	119,398	446.9	5,755,332	2,629,978.8	\$1,598.91	\$1,694.91
447	4	119,402	1,788.0	5,757,120	2,628,190.8	\$6,397.04	\$6,781.15
447.1	1	119,403	447.1	5,757,567	2,627,743.7	\$1,599.61	\$1,695.66
447.2	1	119,404	447.2	5,758,014	2,627,296.5	\$1,599.97	\$1,696.03
447.4	2	119,406	894.8	5,758,909	2,626,401.7	\$3,201.34	\$3,393.55
447.5	1	119,407	447.5	5,759,356	2,625,954.2	\$1,601.03	\$1,697.15
447.6	1	119,408	447.6	5,759,804	2,625,506.6	\$1,601.38	\$1,697.52
447.8	1	119,409	447.8	5,760,252	2,625,058.8	\$1,602.08	\$1,698.26
448.1	2	119,411	896.2	5,761,148	2,624,162.6	\$3,206.29	\$3,398.76
448.3	2	119,413	896.6	5,762,045	2,623,266.0	\$3,207.70	\$3,400.25
448.5	1	119,414	448.5	5,762,493	2,622,817.5	\$1,604.56	\$1,700.87
448.6	2	119,416	897.2	5,763,390	2,621,920.3	\$3,209.82	\$3,402.48
448.7	1	119,417	448.7	5,763,839	2,621,471.6	\$1,605.26	\$1,701.61
448.8	2	119,419	897.6	5,764,737	2,620,574.0	\$3,211.23	\$3,403.97
448.9	1	119,420	448.9	5,765,186	2,620,125.1	\$1,605.97	\$1,702.36
449	4	119,424	1,796.0	5,766,982	2,618,329.1	\$6,425.29	\$6,810.92
449.1	1	119,425	449.1	5,767,431	2,617,880.0	\$1,606.67	\$1,703.10
449.3	1	119,426	449.3	5,767,880	2,617,430.7	\$1,607.38	\$1,703.85
449.6	1	119,427	449.6	5,768,330	2,616,981.1	\$1,608.44	\$1,704.96
449.7	3	119,430	1,349.1	5,769,679	2,615,632.0	\$4,826.38	\$5,116.00
449.8	1	119,431	449.8	5,770,128	2,615,182.2	\$1,609.15	\$1,705.71
449.9	1	119,432	449.9	5,770,578	2,614,732.3	\$1,609.50	\$1,706.08
450	3	119,435	1,350.0	5,771,928	2,613,382.3	\$4,829.56	\$5,119.35
450.1	1	119,436	450.1	5,772,378	2,612,932.2	\$1,610.21	\$1,706.82
450.2	1	119,437	450.2	5,772,829	2,612,482.0	\$1,610.56	\$1,707.19
450.3	5	119,442	2,251.5	5,775,080	2,610,230.5	\$8,054.56	\$8,537.83

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
450.6	4	119,446	1,802.4	5,776,883	2,608,428.1	\$6,447.88	\$6,834.73
450.7	1	119,447	450.7	5,777,333	2,607,977.4	\$1,612.32	\$1,709.05
450.8	2	119,449	901.6	5,778,235	2,607,075.8	\$3,225.35	\$3,418.85
450.9	1	119,450	450.9	5,778,686	2,606,624.9	\$1,613.03	\$1,709.80
451	4	119,454	1,804.0	5,780,490	2,604,820.9	\$6,453.53	\$6,840.68
451.1	2	119,456	902.2	5,781,392	2,603,918.7	\$3,227.47	\$3,421.09
451.2	1	119,457	451.2	5,781,843	2,603,467.5	\$1,614.09	\$1,710.92
451.3	2	119,459	902.6	5,782,746	2,602,564.9	\$3,228.89	\$3,422.57
451.5	1	119,460	451.5	5,783,197	2,602,113.4	\$1,615.15	\$1,712.03
451.6	1	119,461	451.6	5,783,649	2,601,661.8	\$1,615.50	\$1,712.40
451.7	1	119,462	451.7	5,784,101	2,601,210.1	\$1,615.86	\$1,712.78
451.8	1	119,463	451.8	5,784,552	2,600,758.3	\$1,616.21	\$1,713.15
452	4	119,467	1,808.0	5,786,360	2,598,950.3	\$6,467.66	\$6,855.57
452.1	2	119,469	904.2	5,787,265	2,598,046.1	\$3,234.53	\$3,428.53
452.2	1	119,470	452.2	5,787,717	2,597,593.9	\$1,617.62	\$1,714.64
452.3	1	119,471	452.3	5,788,169	2,597,141.6	\$1,617.97	\$1,715.01
452.5	1	119,472	452.5	5,788,622	2,596,689.1	\$1,618.68	\$1,715.75
453	3	119,475	1,359.0	5,789,981	2,595,330.1	\$4,861.34	\$5,152.84
453.3	1	119,476	453.3	5,790,434	2,594,876.8	\$1,621.50	\$1,718.73
453.4	2	119,478	906.8	5,791,341	2,593,970.0	\$3,243.72	\$3,438.20
453.5	1	119,479	453.5	5,791,794	2,593,516.5	\$1,622.21	\$1,719.47
453.6	2	119,481	907.2	5,792,701	2,592,609.3	\$3,245.13	\$3,439.69
453.8	1	119,482	453.8	5,793,155	2,592,155.5	\$1,623.27	\$1,720.59
453.9	2	119,484	907.8	5,794,063	2,591,247.7	\$3,247.25	\$3,441.92
454	4	119,488	1,816.0	5,795,879	2,589,431.7	\$6,495.90	\$6,885.34
454.1	1	119,489	454.1	5,796,333	2,588,977.6	\$1,624.33	\$1,721.71
454.3	1	119,490	454.3	5,796,787	2,588,523.3	\$1,625.04	\$1,722.45
454.8	1	119,491	454.8	5,797,242	2,588,068.5	\$1,626.80	\$1,724.31
454.9	1	119,492	454.9	5,797,697	2,587,613.6	\$1,627.15	\$1,724.68
455	1	119,493	455.0	5,798,152	2,587,158.6	\$1,627.51	\$1,725.06
455.3	1	119,494	455.3	5,798,607	2,586,703.3	\$1,628.57	\$1,726.17
455.5	3	119,497	1,366.5	5,799,974	2,585,336.8	\$4,887.82	\$5,180.75
455.6	1	119,498	455.6	5,800,429	2,584,881.2	\$1,629.63	\$1,727.29
455.8	1	119,499	455.8	5,800,885	2,584,425.4	\$1,630.33	\$1,728.03
455.9	1	119,500	455.9	5,801,341	2,583,969.5	\$1,630.68	\$1,728.40
456	3	119,503	1,368.0	5,802,709	2,582,601.5	\$4,893.11	\$5,186.33
456.3	1	119,504	456.3	5,803,165	2,582,145.2	\$1,632.10	\$1,729.89
456.4	1	119,505	456.4	5,803,622	2,581,688.8	\$1,632.45	\$1,730.26
456.8	2	119,507	913.6	5,804,535	2,580,775.2	\$3,267.73	\$3,463.51
457	5	119,512	2,285.0	5,806,820	2,578,490.2	\$8,172.84	\$8,662.49
457.2	1	119,513	457.2	5,807,278	2,578,033.0	\$1,635.27	\$1,733.24
457.4	1	119,514	457.4	5,807,735	2,577,575.6	\$1,635.98	\$1,733.99
457.6	1	119,515	457.6	5,808,193	2,577,118.0	\$1,636.69	\$1,734.73
457.7	1	119,516	457.7	5,808,650	2,576,660.3	\$1,637.04	\$1,735.10
457.8	4	119,520	1,831.2	5,810,482	2,574,829.1	\$6,549.57	\$6,941.90
457.9	1	119,521	457.9	5,810,939	2,574,371.2	\$1,637.75	\$1,735.85
458	3	119,524	1,374.0	5,812,313	2,572,997.2	\$4,914.30	\$5,208.65
458.2	1	119,525	458.2	5,812,772	2,572,539.0	\$1,638.81	\$1,736.96
458.3	2	119,527	916.6	5,813,688	2,571,622.4	\$3,278.32	\$3,474.67

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
458.4	1	119,528	458.4	5,814,147	2,571,164.0	\$1,639.51	\$1,737.71
458.5	1	119,529	458.5	5,814,605	2,570,705.5	\$1,639.87	\$1,738.08
458.9	2	119,531	917.8	5,815,523	2,569,787.7	\$3,282.56	\$3,479.13
459	6	119,537	2,754.0	5,818,277	2,567,033.7	\$9,849.78	\$10,439.63
459.2	1	119,538	459.2	5,818,736	2,566,574.5	\$1,642.34	\$1,740.68
459.4	1	119,539	459.4	5,819,196	2,566,115.1	\$1,643.04	\$1,741.43
459.5	1	119,540	459.5	5,819,655	2,565,655.6	\$1,643.40	\$1,741.80
459.6	1	119,541	459.6	5,820,115	2,565,196.0	\$1,643.75	\$1,742.17
459.8	1	119,542	459.8	5,820,574	2,564,736.2	\$1,644.46	\$1,742.92
459.9	1	119,543	459.9	5,821,034	2,564,276.3	\$1,644.81	\$1,743.29
460	2	119,545	920.0	5,821,954	2,563,356.3	\$3,290.32	\$3,487.32
460.2	1	119,546	460.2	5,822,415	2,562,896.1	\$1,645.87	\$1,744.40
460.3	1	119,547	460.3	5,822,875	2,562,435.8	\$1,646.22	\$1,744.78
460.4	1	119,548	460.4	5,823,335	2,561,975.4	\$1,646.57	\$1,745.15
460.5	4	119,552	1,842.0	5,825,177	2,560,133.4	\$6,587.71	\$6,982.08
460.8	1	119,553	460.8	5,825,638	2,559,672.6	\$1,647.99	\$1,746.64
461	2	119,555	922.0	5,826,560	2,558,750.6	\$3,297.38	\$3,494.76
461.2	1	119,556	461.2	5,827,021	2,558,289.4	\$1,649.40	\$1,748.13
461.6	1	119,557	461.6	5,827,483	2,557,827.8	\$1,650.81	\$1,749.61
461.7	2	119,559	923.4	5,828,406	2,556,904.4	\$3,302.33	\$3,499.97
461.8	1	119,560	461.8	5,828,868	2,556,442.6	\$1,651.52	\$1,750.36
461.9	3	119,563	1,385.7	5,830,254	2,555,056.9	\$4,955.61	\$5,252.19
462	6	119,569	2,772.0	5,833,026	2,552,284.9	\$9,913.34	\$10,506.61
462.1	1	119,570	462.1	5,833,488	2,551,822.8	\$1,652.58	\$1,751.47
462.2	2	119,572	924.4	5,834,412	2,550,898.4	\$3,305.86	\$3,503.69
462.4	1	119,573	462.4	5,834,875	2,550,436.0	\$1,653.64	\$1,752.59
462.5	1	119,574	462.5	5,835,337	2,549,973.5	\$1,653.99	\$1,752.96
462.6	1	119,575	462.6	5,835,800	2,549,510.9	\$1,654.34	\$1,753.33
462.7	1	119,576	462.7	5,836,262	2,549,048.2	\$1,654.69	\$1,753.71
463	2	119,578	926.0	5,837,188	2,548,122.2	\$3,311.51	\$3,509.65
463.1	1	119,579	463.1	5,837,652	2,547,659.1	\$1,656.11	\$1,755.20
463.2	1	119,580	463.2	5,838,115	2,547,195.9	\$1,656.46	\$1,755.57
463.5	1	119,581	463.5	5,838,578	2,546,732.4	\$1,657.52	\$1,756.68
463.7	3	119,584	1,391.1	5,839,969	2,545,341.3	\$4,974.68	\$5,272.28
464	2	119,586	928.0	5,840,897	2,544,413.3	\$3,318.57	\$3,517.09
464.1	1	119,587	464.1	5,841,361	2,543,949.2	\$1,659.64	\$1,758.92
464.2	1	119,588	464.2	5,841,826	2,543,485.0	\$1,659.99	\$1,759.29
464.3	2	119,590	928.6	5,842,754	2,542,556.4	\$3,320.69	\$3,519.32
464.4	1	119,591	464.4	5,843,219	2,542,092.0	\$1,660.70	\$1,760.03
464.5	1	119,592	464.5	5,843,683	2,541,627.5	\$1,661.05	\$1,760.40
464.6	1	119,593	464.6	5,844,148	2,541,162.9	\$1,661.40	\$1,760.78
464.8	1	119,594	464.8	5,844,613	2,540,698.1	\$1,662.11	\$1,761.52
464.9	1	119,595	464.9	5,845,077	2,540,233.2	\$1,662.46	\$1,761.89
465	1	119,596	465.0	5,845,542	2,539,768.2	\$1,662.82	\$1,762.27
465.2	1	119,597	465.2	5,846,008	2,539,303.0	\$1,663.52	\$1,763.01
465.3	1	119,598	465.3	5,846,473	2,538,837.7	\$1,663.88	\$1,763.38
465.4	2	119,600	930.8	5,847,404	2,537,906.9	\$3,328.46	\$3,527.51
465.5	1	119,601	465.5	5,847,869	2,537,441.4	\$1,664.58	\$1,764.13
465.6	2	119,603	931.2	5,848,800	2,536,510.2	\$3,329.87	\$3,529.00

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
465.7	1	119,604	465.7	5,849,266	2,536,044.5	\$1,665.29	\$1,764.87
465.8	3	119,607	1,397.4	5,850,664	2,534,647.1	\$4,996.92	\$5,295.73
466	1	119,608	466.0	5,851,130	2,534,181.1	\$1,666.35	\$1,765.99
466.1	1	119,609	466.1	5,851,596	2,533,715.0	\$1,666.70	\$1,766.36
466.2	1	119,610	466.2	5,852,062	2,533,248.8	\$1,667.05	\$1,766.73
466.4	1	119,611	466.4	5,852,528	2,532,782.4	\$1,667.76	\$1,767.47
466.5	1	119,612	466.5	5,852,995	2,532,315.9	\$1,668.11	\$1,767.85
466.6	1	119,613	466.6	5,853,461	2,531,849.3	\$1,668.47	\$1,768.22
466.9	1	119,614	466.9	5,853,928	2,531,382.4	\$1,669.52	\$1,769.33
467	3	119,617	1,401.0	5,855,329	2,529,981.4	\$5,009.63	\$5,309.12
467.1	3	119,620	1,401.3	5,856,731	2,528,580.1	\$5,010.69	\$5,310.24
467.2	1	119,621	467.2	5,857,198	2,528,112.9	\$1,670.58	\$1,770.45
467.5	1	119,622	467.5	5,857,665	2,527,645.4	\$1,671.64	\$1,771.57
467.6	1	119,623	467.6	5,858,133	2,527,177.8	\$1,672.00	\$1,771.94
467.7	1	119,624	467.7	5,858,601	2,526,710.1	\$1,672.35	\$1,772.31
468.2	2	119,626	936.4	5,859,537	2,525,773.7	\$3,348.23	\$3,548.34
468.8	1	119,627	468.8	5,860,006	2,525,304.9	\$1,676.23	\$1,776.40
469	2	119,629	938.0	5,860,944	2,524,366.9	\$3,353.88	\$3,554.30
469.2	2	119,631	938.4	5,861,882	2,523,428.5	\$3,355.29	\$3,555.79
469.6	4	119,635	1,878.4	5,863,761	2,521,550.1	\$6,716.23	\$7,117.53
469.8	1	119,636	469.8	5,864,230	2,521,080.3	\$1,679.76	\$1,780.13
470	4	119,640	1,880.0	5,866,110	2,519,200.3	\$6,721.88	\$7,123.48
470.1	1	119,641	470.1	5,866,580	2,518,730.2	\$1,680.82	\$1,781.24
470.3	2	119,643	940.6	5,867,521	2,517,789.6	\$3,363.06	\$3,563.97
470.5	1	119,644	470.5	5,867,992	2,517,319.1	\$1,682.24	\$1,782.73
470.6	2	119,646	941.2	5,868,933	2,516,377.9	\$3,365.18	\$3,566.21
470.7	1	119,647	470.7	5,869,403	2,515,907.2	\$1,682.94	\$1,783.47
470.9	1	119,648	470.9	5,869,874	2,515,436.3	\$1,683.65	\$1,784.22
471	4	119,652	1,884.0	5,871,758	2,513,552.3	\$6,736.01	\$7,138.36
471.2	1	119,653	471.2	5,872,230	2,513,081.1	\$1,684.71	\$1,785.34
471.4	1	119,654	471.4	5,872,701	2,512,609.7	\$1,685.41	\$1,786.08
471.5	1	119,655	471.5	5,873,172	2,512,138.2	\$1,685.77	\$1,786.45
471.8	1	119,656	471.8	5,873,644	2,511,666.4	\$1,686.83	\$1,787.57
472	2	119,658	944.0	5,874,588	2,510,722.4	\$3,375.06	\$3,576.62
472.3	1	119,659	472.3	5,875,061	2,510,250.1	\$1,688.59	\$1,789.43
472.6	1	119,660	472.6	5,875,533	2,509,777.5	\$1,689.65	\$1,790.54
472.8	1	119,661	472.8	5,876,006	2,509,304.7	\$1,690.36	\$1,791.29
473	1	119,662	473.0	5,876,479	2,508,831.7	\$1,691.06	\$1,792.03
473.1	1	119,663	473.1	5,876,952	2,508,358.6	\$1,691.42	\$1,792.41
473.3	3	119,666	1,419.9	5,878,372	2,506,938.7	\$5,076.37	\$5,379.45
473.4	1	119,667	473.4	5,878,845	2,506,465.3	\$1,692.48	\$1,793.52
473.5	1	119,668	473.5	5,879,319	2,505,991.8	\$1,692.83	\$1,793.89
473.7	2	119,670	947.4	5,880,266	2,505,044.4	\$3,387.07	\$3,589.28
473.8	1	119,671	473.8	5,880,740	2,504,570.6	\$1,693.89	\$1,795.01
474	1	119,672	474.0	5,881,214	2,504,096.6	\$1,694.59	\$1,795.75
474.1	1	119,673	474.1	5,881,688	2,503,622.5	\$1,694.95	\$1,796.13
474.3	1	119,674	474.3	5,882,162	2,503,148.2	\$1,695.65	\$1,796.87
474.4	2	119,676	948.8	5,883,111	2,502,199.4	\$3,392.01	\$3,594.48
474.5	2	119,678	949.0	5,884,060	2,501,250.4	\$3,392.72	\$3,595.23

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
474.7	1	119,679	474.7	5,884,535	2,500,775.7	\$1,697.07	\$1,798.36
474.9	1	119,680	474.9	5,885,010	2,500,300.8	\$1,697.77	\$1,799.10
475.7	1	119,681	475.7	5,885,486	2,499,825.1	\$1,700.60	\$1,802.08
475.9	1	119,682	475.9	5,885,961	2,499,349.2	\$1,701.30	\$1,802.82
476	4	119,686	1,904.0	5,887,865	2,497,445.2	\$6,806.62	\$7,212.78
476.1	1	119,687	476.1	5,888,342	2,496,969.1	\$1,702.01	\$1,803.57
476.2	1	119,688	476.2	5,888,818	2,496,492.9	\$1,702.36	\$1,803.94
476.4	1	119,689	476.4	5,889,294	2,496,016.5	\$1,703.07	\$1,804.68
476.5	3	119,692	1,429.5	5,890,724	2,494,587.0	\$5,110.26	\$5,415.17
476.8	2	119,694	953.6	5,891,677	2,493,633.4	\$3,408.96	\$3,612.35
477	3	119,697	1,431.0	5,893,108	2,492,202.4	\$5,115.56	\$5,420.75
477.1	1	119,698	477.1	5,893,585	2,491,725.3	\$1,705.54	\$1,807.29
477.3	2	119,700	954.6	5,894,540	2,490,770.7	\$3,412.49	\$3,616.07
477.6	1	119,701	477.6	5,895,018	2,490,293.1	\$1,707.31	\$1,809.15
477.7	1	119,702	477.7	5,895,495	2,489,815.4	\$1,707.66	\$1,809.52
478	4	119,706	1,912.0	5,897,407	2,487,903.4	\$6,834.87	\$7,242.55
478.1	1	119,707	478.1	5,897,885	2,487,425.3	\$1,709.07	\$1,811.01
478.2	2	119,709	956.4	5,898,842	2,486,468.9	\$3,418.85	\$3,622.76
478.3	1	119,710	478.3	5,899,320	2,485,990.6	\$1,709.78	\$1,811.75
478.9	2	119,712	957.8	5,900,278	2,485,032.8	\$3,423.79	\$3,627.97
479	4	119,716	1,916.0	5,902,194	2,483,116.8	\$6,848.99	\$7,257.44
479.1	2	119,718	958.2	5,903,152	2,482,158.6	\$3,425.20	\$3,629.46
479.4	2	119,720	958.8	5,904,111	2,481,199.8	\$3,427.32	\$3,631.69
479.5	1	119,721	479.5	5,904,590	2,480,720.3	\$1,714.01	\$1,816.22
479.6	1	119,722	479.6	5,905,070	2,480,240.7	\$1,714.37	\$1,816.59
479.8	1	119,723	479.8	5,905,550	2,479,760.9	\$1,715.07	\$1,817.34
479.9	1	119,724	479.9	5,906,030	2,479,281.0	\$1,715.43	\$1,817.71
480	2	119,726	960.0	5,906,990	2,478,321.0	\$3,431.56	\$3,636.16
480.1	1	119,727	480.1	5,907,470	2,477,840.9	\$1,716.13	\$1,818.45
480.2	1	119,728	480.2	5,907,950	2,477,360.7	\$1,716.49	\$1,818.82
480.3	2	119,730	960.6	5,908,911	2,476,400.1	\$3,433.68	\$3,638.39
480.5	1	119,731	480.5	5,909,391	2,475,919.6	\$1,717.54	\$1,819.94
480.6	1	119,732	480.6	5,909,872	2,475,439.0	\$1,717.90	\$1,820.31
480.9	1	119,733	480.9	5,910,353	2,474,958.1	\$1,718.96	\$1,821.43
481	4	119,737	1,924.0	5,912,277	2,473,034.1	\$6,877.24	\$7,287.20
481.4	1	119,738	481.4	5,912,758	2,472,552.7	\$1,720.72	\$1,823.29
481.6	1	119,739	481.6	5,913,240	2,472,071.1	\$1,721.43	\$1,824.03
481.7	1	119,740	481.7	5,913,721	2,471,589.4	\$1,721.78	\$1,824.41
481.8	1	119,741	481.8	5,914,203	2,471,107.6	\$1,722.14	\$1,824.78
481.9	2	119,743	963.8	5,915,167	2,470,143.8	\$3,444.98	\$3,650.30
482.4	1	119,744	482.4	5,915,649	2,469,661.4	\$1,724.25	\$1,827.01
482.5	2	119,746	965.0	5,916,614	2,468,696.4	\$3,449.21	\$3,654.77
482.6	1	119,747	482.6	5,917,097	2,468,213.8	\$1,724.96	\$1,827.75
482.8	1	119,748	482.8	5,917,580	2,467,731.0	\$1,725.67	\$1,828.50
482.9	1	119,749	482.9	5,918,063	2,467,248.1	\$1,726.02	\$1,828.87
483	4	119,753	1,932.0	5,919,995	2,465,316.1	\$6,905.49	\$7,316.97
483.1	2	119,755	966.2	5,920,961	2,464,349.9	\$3,453.45	\$3,659.23
483.4	1	119,756	483.4	5,921,444	2,463,866.5	\$1,727.78	\$1,830.73
483.5	1	119,757	483.5	5,921,928	2,463,383.0	\$1,728.14	\$1,831.10

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
483.8	1	119,758	483.8	5,922,411	2,462,899.2	\$1,729.20	\$1,832.22
483.9	1	119,759	483.9	5,922,895	2,462,415.3	\$1,729.55	\$1,832.59
484	6	119,765	2,904.0	5,925,799	2,459,511.3	\$10,379.42	\$10,997.78
484.2	2	119,767	968.4	5,926,768	2,458,542.9	\$3,461.22	\$3,667.42
484.6	1	119,768	484.6	5,927,252	2,458,058.3	\$1,732.02	\$1,835.20
484.7	1	119,769	484.7	5,927,737	2,457,573.6	\$1,732.37	\$1,835.57
484.9	2	119,771	969.8	5,928,707	2,456,603.8	\$3,466.16	\$3,672.63
485	3	119,774	1,455.0	5,930,162	2,455,148.8	\$5,200.30	\$5,510.06
485.1	1	119,775	485.1	5,930,647	2,454,663.7	\$1,733.79	\$1,837.06
485.3	1	119,776	485.3	5,931,132	2,454,178.4	\$1,734.49	\$1,837.80
485.5	1	119,777	485.5	5,931,618	2,453,692.9	\$1,735.20	\$1,838.55
485.6	1	119,778	485.6	5,932,103	2,453,207.3	\$1,735.55	\$1,838.92
486	2	119,780	972.0	5,933,075	2,452,235.3	\$3,473.93	\$3,680.81
486.3	1	119,781	486.3	5,933,562	2,451,749.0	\$1,738.02	\$1,841.52
486.4	1	119,782	486.4	5,934,048	2,451,262.6	\$1,738.38	\$1,841.89
486.6	1	119,783	486.6	5,934,535	2,450,776.0	\$1,739.08	\$1,842.64
486.7	2	119,785	973.4	5,935,508	2,449,802.6	\$3,478.87	\$3,686.02
487	1	119,786	487.0	5,935,995	2,449,315.6	\$1,740.50	\$1,844.13
487.1	2	119,788	974.2	5,936,969	2,448,341.4	\$3,481.70	\$3,689.00
487.5	2	119,790	975.0	5,937,944	2,447,366.4	\$3,484.52	\$3,691.98
487.7	1	119,791	487.7	5,938,432	2,446,878.7	\$1,742.97	\$1,846.73
488	3	119,794	1,464.0	5,939,896	2,445,414.7	\$5,232.08	\$5,543.54
488.2	2	119,796	976.4	5,940,872	2,444,438.3	\$3,489.47	\$3,697.18
488.3	1	119,797	488.3	5,941,361	2,443,950.0	\$1,745.09	\$1,848.96
488.7	1	119,798	488.7	5,941,849	2,443,461.3	\$1,746.50	\$1,850.45
488.8	1	119,799	488.8	5,942,338	2,442,972.5	\$1,746.85	\$1,850.82
488.9	1	119,800	488.9	5,942,827	2,442,483.6	\$1,747.20	\$1,851.20
489	2	119,802	978.0	5,943,805	2,441,505.6	\$3,495.12	\$3,703.14
489.2	1	119,803	489.2	5,944,294	2,441,016.4	\$1,748.26	\$1,852.31
489.4	1	119,804	489.4	5,944,784	2,440,527.0	\$1,748.97	\$1,853.06
489.5	2	119,806	979.0	5,945,763	2,439,548.0	\$3,498.65	\$3,706.86
489.6	1	119,807	489.6	5,946,252	2,439,058.4	\$1,749.68	\$1,853.80
489.7	1	119,808	489.7	5,946,742	2,438,568.7	\$1,750.03	\$1,854.17
489.8	3	119,811	1,469.4	5,948,211	2,437,099.3	\$5,251.15	\$5,563.64
490	1	119,812	490.0	5,948,701	2,436,609.3	\$1,751.09	\$1,855.29
490.4	1	119,813	490.4	5,949,192	2,436,118.9	\$1,752.50	\$1,856.78
490.5	1	119,814	490.5	5,949,682	2,435,628.4	\$1,752.85	\$1,857.15
490.7	3	119,817	1,472.1	5,951,154	2,434,156.3	\$5,260.68	\$5,573.68
490.8	1	119,818	490.8	5,951,645	2,433,665.5	\$1,753.91	\$1,858.27
491	1	119,819	491.0	5,952,136	2,433,174.5	\$1,754.62	\$1,859.01
491.1	1	119,820	491.1	5,952,627	2,432,683.4	\$1,754.97	\$1,859.38
491.4	1	119,821	491.4	5,953,119	2,432,192.0	\$1,756.03	\$1,860.50
491.8	1	119,822	491.8	5,953,610	2,431,700.2	\$1,757.44	\$1,861.99
492	2	119,824	984.0	5,954,594	2,430,716.2	\$3,516.30	\$3,725.46
492.2	1	119,825	492.2	5,955,087	2,430,224.0	\$1,758.86	\$1,863.48
492.3	1	119,826	492.3	5,955,579	2,429,731.7	\$1,759.21	\$1,863.85
492.4	1	119,827	492.4	5,956,071	2,429,239.3	\$1,759.56	\$1,864.22
492.5	2	119,829	985.0	5,957,056	2,428,254.3	\$3,519.83	\$3,729.19
492.6	1	119,830	492.6	5,957,549	2,427,761.7	\$1,760.27	\$1,864.96

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
492.7	1	119,831	492.7	5,958,042	2,427,269.0	\$1,760.62	\$1,865.34
493	4	119,835	1,972.0	5,960,014	2,425,297.0	\$7,046.72	\$7,465.81
493.1	1	119,836	493.1	5,960,507	2,424,803.9	\$1,762.03	\$1,866.83
493.2	1	119,837	493.2	5,961,000	2,424,310.7	\$1,762.39	\$1,867.20
493.5	1	119,838	493.5	5,961,493	2,423,817.2	\$1,763.45	\$1,868.31
493.6	1	119,839	493.6	5,961,987	2,423,323.6	\$1,763.80	\$1,868.69
493.9	1	119,840	493.9	5,962,481	2,422,829.7	\$1,764.86	\$1,869.80
494	1	119,841	494.0	5,962,975	2,422,335.7	\$1,765.21	\$1,870.17
494.1	1	119,842	494.1	5,963,469	2,421,841.6	\$1,765.57	\$1,870.55
494.4	1	119,843	494.4	5,963,963	2,421,347.2	\$1,766.62	\$1,871.66
494.5	1	119,844	494.5	5,964,458	2,420,852.7	\$1,766.98	\$1,872.03
494.6	1	119,845	494.6	5,964,953	2,420,358.1	\$1,767.33	\$1,872.41
494.7	1	119,846	494.7	5,965,447	2,419,863.4	\$1,767.68	\$1,872.78
494.8	1	119,847	494.8	5,965,942	2,419,368.6	\$1,768.04	\$1,873.15
494.9	1	119,848	494.9	5,966,437	2,418,873.7	\$1,768.39	\$1,873.52
495	5	119,853	2,475.0	5,968,912	2,416,398.7	\$8,843.72	\$9,369.48
495.5	1	119,854	495.5	5,969,407	2,415,903.2	\$1,770.51	\$1,875.76
495.6	3	119,857	1,486.8	5,970,894	2,414,416.4	\$5,312.58	\$5,628.38
495.9	2	119,859	991.8	5,971,886	2,413,424.6	\$3,543.84	\$3,754.49
496	3	119,862	1,488.0	5,973,374	2,411,936.6	\$5,316.82	\$5,632.85
496.2	2	119,864	992.4	5,974,366	2,410,944.2	\$3,545.96	\$3,756.72
496.4	1	119,865	496.4	5,974,863	2,410,447.8	\$1,773.69	\$1,879.10
496.5	1	119,866	496.5	5,975,359	2,409,951.3	\$1,774.04	\$1,879.48
496.7	2	119,868	993.4	5,976,353	2,408,957.9	\$3,549.49	\$3,760.44
496.8	1	119,869	496.8	5,976,850	2,408,461.1	\$1,775.10	\$1,880.59
497	1	119,870	497.0	5,977,347	2,407,964.1	\$1,775.80	\$1,881.34
497.3	1	119,871	497.3	5,977,844	2,407,466.8	\$1,776.86	\$1,882.45
497.4	1	119,872	497.4	5,978,341	2,406,969.4	\$1,777.22	\$1,882.83
497.6	1	119,873	497.6	5,978,839	2,406,471.8	\$1,777.92	\$1,883.57
497.7	1	119,874	497.7	5,979,337	2,405,974.1	\$1,778.28	\$1,883.94
497.8	1	119,875	497.8	5,979,834	2,405,476.3	\$1,778.63	\$1,884.31
497.9	1	119,876	497.9	5,980,332	2,404,978.4	\$1,778.98	\$1,884.69
498	4	119,880	1,992.0	5,982,324	2,402,986.4	\$7,117.34	\$7,540.23
498.1	1	119,881	498.1	5,982,822	2,402,488.3	\$1,779.69	\$1,885.43
498.4	2	119,883	996.8	5,983,819	2,401,491.5	\$3,561.50	\$3,773.09
498.6	3	119,886	1,495.8	5,985,315	2,399,995.7	\$5,344.36	\$5,661.87
498.8	1	119,887	498.8	5,985,814	2,399,496.9	\$1,782.16	\$1,888.03
498.9	1	119,888	498.9	5,986,313	2,398,998.0	\$1,782.51	\$1,888.41
499	1	119,889	499.0	5,986,812	2,398,499.0	\$1,782.87	\$1,888.78
499.1	2	119,891	998.2	5,987,810	2,397,500.8	\$3,566.44	\$3,778.30
499.2	1	119,892	499.2	5,988,309	2,397,001.6	\$1,783.57	\$1,889.52
499.7	1	119,893	499.7	5,988,809	2,396,501.9	\$1,785.34	\$1,891.38
499.9	2	119,895	999.8	5,989,809	2,395,502.1	\$3,572.09	\$3,784.26
500	6	119,901	3,000.0	5,992,809	2,392,502.1	\$10,718.39	\$11,355.00
500.1	1	119,902	500.1	5,993,309	2,392,002.0	\$1,786.63	\$1,892.87
500.3	1	119,903	500.3	5,993,809	2,391,501.7	\$1,787.11	\$1,893.62
500.4	1	119,904	500.4	5,994,309	2,391,001.3	\$1,787.34	\$1,893.99
500.5	1	119,905	500.5	5,994,810	2,390,500.8	\$1,787.58	\$1,894.36
500.6	1	119,906	500.6	5,995,310	2,390,000.2	\$1,787.82	\$1,894.73

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
500.7	1	119,907	500.7	5,995,811	2,389,499.5	\$1,788.05	\$1,895.10
500.8	2	119,909	1,001.6	5,996,813	2,388,497.9	\$3,576.58	\$3,790.95
501	2	119,911	1,002.0	5,997,815	2,387,495.9	\$3,577.52	\$3,792.44
501.4	1	119,912	501.4	5,998,316	2,386,994.5	\$1,789.71	\$1,897.71
501.6	1	119,913	501.6	5,998,818	2,386,492.9	\$1,790.18	\$1,898.45
502	3	119,916	1,506.0	6,000,324	2,384,986.9	\$5,373.38	\$5,699.83
502.1	1	119,917	502.1	6,000,826	2,384,484.8	\$1,791.36	\$1,900.31
502.2	2	119,919	1,004.4	6,001,830	2,383,480.4	\$3,583.20	\$3,801.37
502.3	2	119,921	1,004.6	6,002,835	2,382,475.8	\$3,583.67	\$3,802.12
502.4	1	119,922	502.4	6,003,337	2,381,973.4	\$1,792.07	\$1,901.43
503	5	119,927	2,515.0	6,005,852	2,379,458.4	\$8,967.44	\$9,518.32
503.1	1	119,928	503.1	6,006,355	2,378,955.3	\$1,793.73	\$1,904.04
503.2	1	119,929	503.2	6,006,859	2,378,452.1	\$1,793.96	\$1,904.41
503.5	1	119,930	503.5	6,007,362	2,377,948.6	\$1,794.67	\$1,905.52
503.8	1	119,931	503.8	6,007,866	2,377,444.8	\$1,795.38	\$1,906.64
504	4	119,935	2,016.0	6,009,882	2,375,428.8	\$7,183.41	\$7,629.54
504.5	1	119,936	504.5	6,010,386	2,374,924.3	\$1,797.03	\$1,909.24
504.6	2	119,938	1,009.2	6,011,396	2,373,915.1	\$3,594.54	\$3,819.23
505	1	119,939	505.0	6,011,901	2,373,410.1	\$1,798.22	\$1,911.11
505.2	1	119,940	505.2	6,012,406	2,372,904.9	\$1,798.69	\$1,911.85
505.3	1	119,941	505.3	6,012,911	2,372,399.6	\$1,798.93	\$1,912.22
505.5	1	119,942	505.5	6,013,417	2,371,894.1	\$1,799.40	\$1,912.97
506	2	119,944	1,012.0	6,014,429	2,370,882.1	\$3,601.16	\$3,829.65
506.9	1	119,945	506.9	6,014,935	2,370,375.2	\$1,802.71	\$1,918.17
507	3	119,948	1,521.0	6,016,456	2,368,854.2	\$5,408.83	\$5,755.64
507.4	1	119,949	507.4	6,016,964	2,368,346.8	\$1,803.89	\$1,920.04
507.6	1	119,950	507.6	6,017,471	2,367,839.2	\$1,804.36	\$1,920.78
507.9	2	119,952	1,015.8	6,018,487	2,366,823.4	\$3,610.14	\$3,843.79
508	3	119,955	1,524.0	6,020,011	2,365,299.4	\$5,415.92	\$5,766.80
508.2	1	119,956	508.2	6,020,519	2,364,791.2	\$1,805.78	\$1,923.01
508.3	1	119,957	508.3	6,021,028	2,364,282.9	\$1,806.02	\$1,923.38
508.4	1	119,958	508.4	6,021,536	2,363,774.5	\$1,806.25	\$1,923.76
508.5	1	119,959	508.5	6,022,045	2,363,266.0	\$1,806.49	\$1,924.13
508.9	1	119,960	508.9	6,022,554	2,362,757.1	\$1,807.44	\$1,925.62
509	5	119,965	2,545.0	6,025,099	2,360,212.1	\$9,038.36	\$9,629.95
509.2	1	119,966	509.2	6,025,608	2,359,702.9	\$1,808.14	\$1,926.73
509.6	1	119,967	509.6	6,026,117	2,359,193.3	\$1,809.09	\$1,928.22
509.9	1	119,968	509.9	6,026,627	2,358,683.4	\$1,809.80	\$1,929.34
510	3	119,971	1,530.0	6,028,157	2,357,153.4	\$5,430.11	\$5,789.13
510.6	1	119,972	510.6	6,028,668	2,356,642.8	\$1,811.45	\$1,931.94
511	1	119,973	511.0	6,029,179	2,356,131.8	\$1,812.40	\$1,933.43
511.2	1	119,974	511.2	6,029,690	2,355,620.6	\$1,812.87	\$1,934.18
511.5	2	119,976	1,023.0	6,030,713	2,354,597.6	\$3,627.16	\$3,870.58
511.6	1	119,977	511.6	6,031,225	2,354,086.0	\$1,813.82	\$1,935.66
512	2	119,979	1,024.0	6,032,249	2,353,062.0	\$3,629.53	\$3,874.30
512.2	2	119,981	1,024.4	6,033,273	2,352,037.6	\$3,630.47	\$3,875.79
512.3	1	119,982	512.3	6,033,785	2,351,525.3	\$1,815.47	\$1,938.27
512.8	1	119,983	512.8	6,034,298	2,351,012.5	\$1,816.65	\$1,940.13
512.9	2	119,985	1,025.8	6,035,324	2,349,986.7	\$3,633.78	\$3,881.00



## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
513	1	119,986	513.0	6,035,837	2,349,473.7	\$1,817.13	\$1,940.87
513.5	1	119,987	513.5	6,036,350	2,348,960.2	\$1,818.31	\$1,942.73
513.6	1	119,988	513.6	6,036,864	2,348,446.6	\$1,818.55	\$1,943.11
513.7	1	119,989	513.7	6,037,378	2,347,932.9	\$1,818.78	\$1,943.48
513.8	1	119,990	513.8	6,037,892	2,347,419.1	\$1,819.02	\$1,943.85
514	3	119,993	1,542.0	6,039,434	2,345,877.1	\$5,458.47	\$5,833.78
514.7	1	119,994	514.7	6,039,948	2,345,362.4	\$1,821.15	\$1,947.20
514.8	1	119,995	514.8	6,040,463	2,344,847.6	\$1,821.38	\$1,947.57
514.9	1	119,996	514.9	6,040,978	2,344,332.7	\$1,821.62	\$1,947.94
515	2	119,998	1,030.0	6,042,008	2,343,302.7	\$3,643.71	\$3,896.63
515.2	1	119,999	515.2	6,042,523	2,342,787.5	\$1,822.33	\$1,949.06
515.4	1	120,000	515.4	6,043,039	2,342,272.1	\$1,822.80	\$1,949.80
515.6	1	120,001	515.6	6,043,554	2,341,756.5	\$1,823.27	\$1,950.55
515.7	1	120,002	515.7	6,044,070	2,341,240.8	\$1,823.51	\$1,950.92
515.9	2	120,004	1,031.8	6,045,102	2,340,209.0	\$3,647.96	\$3,903.33
516	5	120,009	2,580.0	6,047,682	2,337,629.0	\$9,121.09	\$9,760.18
516.2	1	120,010	516.2	6,048,198	2,337,112.8	\$1,824.69	\$1,952.78
516.3	1	120,011	516.3	6,048,714	2,336,596.5	\$1,824.93	\$1,953.15
516.4	2	120,013	1,032.8	6,049,747	2,335,563.7	\$3,650.33	\$3,907.05
516.6	2	120,015	1,033.2	6,050,780	2,334,530.5	\$3,651.27	\$3,908.54
516.7	1	120,016	516.7	6,051,297	2,334,013.8	\$1,825.87	\$1,954.64
517	2	120,018	1,034.0	6,052,331	2,332,979.8	\$3,653.16	\$3,911.51
517.1	2	120,020	1,034.2	6,053,365	2,331,945.6	\$3,653.64	\$3,912.26
517.3	1	120,021	517.3	6,053,882	2,331,428.3	\$1,827.29	\$1,956.87
517.5	1	120,022	517.5	6,054,400	2,330,910.8	\$1,827.76	\$1,957.62
517.7	1	120,023	517.7	6,054,918	2,330,393.1	\$1,828.24	\$1,958.36
517.8	1	120,024	517.8	6,055,435	2,329,875.3	\$1,828.47	\$1,958.73
517.9	2	120,026	1,035.8	6,056,471	2,328,839.5	\$3,657.42	\$3,918.21
518.2	1	120,027	518.2	6,056,989	2,328,321.3	\$1,829.42	\$1,960.22
518.5	1	120,028	518.5	6,057,508	2,327,802.8	\$1,830.13	\$1,961.34
518.6	1	120,029	518.6	6,058,026	2,327,284.2	\$1,830.36	\$1,961.71
518.9	1	120,030	518.9	6,058,545	2,326,765.3	\$1,831.07	\$1,962.83
519	2	120,032	1,038.0	6,059,583	2,325,727.3	\$3,662.62	\$3,926.40
519.1	2	120,034	1,038.2	6,060,622	2,324,689.1	\$3,663.09	\$3,927.14
519.2	1	120,035	519.2	6,061,141	2,324,169.9	\$1,831.78	\$1,963.94
519.4	2	120,037	1,038.8	6,062,180	2,323,131.1	\$3,664.51	\$3,929.37
519.5	1	120,038	519.5	6,062,699	2,322,611.6	\$1,832.49	\$1,965.06
519.6	1	120,039	519.6	6,063,219	2,322,092.0	\$1,832.73	\$1,965.43
519.7	1	120,040	519.7	6,063,738	2,321,572.3	\$1,832.96	\$1,965.80
519.8	2	120,042	1,039.6	6,064,778	2,320,532.7	\$3,666.40	\$3,932.35
519.9	2	120,044	1,039.8	6,065,818	2,319,492.9	\$3,666.87	\$3,933.10
520	2	120,046	1,040.0	6,066,858	2,318,452.9	\$3,667.35	\$3,933.84
520.1	2	120,048	1,040.2	6,067,898	2,317,412.7	\$3,667.82	\$3,934.58
520.3	2	120,050	1,040.6	6,068,939	2,316,372.1	\$3,668.77	\$3,936.07
520.4	5	120,055	2,602.0	6,071,541	2,313,770.1	\$9,173.10	\$9,842.04
520.5	1	120,056	520.5	6,072,061	2,313,249.6	\$1,834.86	\$1,968.78
520.7	1	120,057	520.7	6,072,582	2,312,728.9	\$1,835.33	\$1,969.52
520.8	1	120,058	520.8	6,073,103	2,312,208.1	\$1,835.56	\$1,969.90
521	2	120,060	1,042.0	6,074,145	2,311,166.1	\$3,672.07	\$3,941.28

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
521.3	1	120,061	521.3	6,074,666	2,310,644.8	\$1,836.75	\$1,971.76
521.6	1	120,062	521.6	6,075,187	2,310,123.2	\$1,837.46	\$1,972.87
522	4	120,066	2,088.0	6,077,275	2,308,035.2	\$7,353.60	\$7,897.45
522.2	1	120,067	522.2	6,077,798	2,307,513.0	\$1,838.87	\$1,975.11
522.4	1	120,068	522.4	6,078,320	2,306,990.6	\$1,839.35	\$1,975.85
522.6	2	120,070	1,045.2	6,079,365	2,305,945.4	\$3,679.64	\$3,953.19
523	1	120,071	523.0	6,079,888	2,305,422.4	\$1,840.76	\$1,978.08
523.3	2	120,073	1,046.6	6,080,935	2,304,375.8	\$3,682.95	\$3,958.40
523.4	2	120,075	1,046.8	6,081,982	2,303,329.0	\$3,683.42	\$3,959.14
523.5	1	120,076	523.5	6,082,505	2,302,805.5	\$1,841.95	\$1,979.94
523.7	1	120,077	523.7	6,083,029	2,302,281.8	\$1,842.42	\$1,980.69
523.8	1	120,078	523.8	6,083,553	2,301,758.0	\$1,842.66	\$1,981.06
523.9	1	120,079	523.9	6,084,077	2,301,234.1	\$1,842.89	\$1,981.43
524	2	120,081	1,048.0	6,085,125	2,300,186.1	\$3,686.26	\$3,963.61
524.1	2	120,083	1,048.2	6,086,173	2,299,137.9	\$3,686.73	\$3,964.35
524.2	1	120,084	524.2	6,086,697	2,298,613.7	\$1,843.60	\$1,982.55
524.3	1	120,085	524.3	6,087,221	2,298,089.4	\$1,843.84	\$1,982.92
524.7	1	120,086	524.7	6,087,746	2,297,564.7	\$1,844.78	\$1,984.41
525	1	120,087	525.0	6,088,271	2,297,039.7	\$1,845.49	\$1,985.53
525.4	1	120,088	525.4	6,088,796	2,296,514.3	\$1,846.44	\$1,987.01
525.5	1	120,089	525.5	6,089,322	2,295,988.8	\$1,846.67	\$1,987.39
525.6	1	120,090	525.6	6,089,847	2,295,463.2	\$1,846.91	\$1,987.76
526	2	120,092	1,052.0	6,090,899	2,294,411.2	\$3,695.71	\$3,978.49
526.2	1	120,093	526.2	6,091,426	2,293,885.0	\$1,848.33	\$1,989.99
526.7	1	120,094	526.7	6,091,952	2,293,358.3	\$1,849.51	\$1,991.85
527	5	120,099	2,635.0	6,094,587	2,290,723.3	\$9,251.10	\$9,964.84
527.1	2	120,101	1,054.2	6,095,642	2,289,669.1	\$3,700.91	\$3,986.68
527.2	2	120,103	1,054.4	6,096,696	2,288,614.7	\$3,701.39	\$3,987.42
527.3	1	120,104	527.3	6,097,223	2,288,087.4	\$1,850.93	\$1,994.08
527.6	2	120,106	1,055.2	6,098,278	2,287,032.2	\$3,703.28	\$3,990.40
528	4	120,110	2,112.0	6,100,390	2,284,920.2	\$7,410.34	\$7,986.75
528.1	1	120,111	528.1	6,100,919	2,284,392.1	\$1,852.82	\$1,997.06
528.3	2	120,113	1,056.6	6,101,975	2,283,335.5	\$3,706.59	\$3,995.61
528.5	1	120,114	528.5	6,102,504	2,282,807.0	\$1,853.77	\$1,998.55
528.7	2	120,116	1,057.4	6,103,561	2,281,749.6	\$3,708.48	\$3,998.59
528.8	1	120,117	528.8	6,104,090	2,281,220.8	\$1,854.47	\$1,999.66
528.9	2	120,119	1,057.8	6,105,148	2,280,163.0	\$3,709.42	\$4,000.07
529	2	120,121	1,058.0	6,106,206	2,279,105.0	\$3,709.90	\$4,000.82
529.3	1	120,122	529.3	6,106,735	2,278,575.7	\$1,855.66	\$2,001.53
529.6	1	120,123	529.6	6,107,265	2,278,046.1	\$1,856.37	\$2,002.64
529.7	3	120,126	1,589.1	6,108,854	2,276,457.0	\$5,569.81	\$6,009.04
529.9	2	120,128	1,059.8	6,109,913	2,275,397.2	\$3,714.15	\$4,007.52
530	2	120,130	1,060.0	6,110,973	2,274,337.2	\$3,714.62	\$4,008.26
530.5	2	120,132	1,061.0	6,112,034	2,273,276.2	\$3,716.99	\$4,011.98
531.2	1	120,133	531.2	6,112,566	2,272,745.0	\$1,860.15	\$2,008.60
531.5	1	120,134	531.5	6,113,097	2,272,213.5	\$1,860.86	\$2,009.71
531.6	2	120,136	1,063.2	6,114,160	2,271,150.3	\$3,722.19	\$4,020.17
531.9	1	120,137	531.9	6,114,692	2,270,618.4	\$1,861.80	\$2,011.20
532	1	120,138	532.0	6,115,224	2,270,086.4	\$1,862.04	\$2,011.57

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
532.4	2	120,140	1,064.8	6,116,289	2,269,021.6	\$3,725.97	\$4,026.12
532.7	2	120,142	1,065.4	6,117,354	2,267,956.2	\$3,727.39	\$4,028.35
533	2	120,144	1,066.0	6,118,420	2,266,890.2	\$3,728.81	\$4,030.59
533.3	1	120,145	533.3	6,118,954	2,266,356.9	\$1,865.11	\$2,016.41
533.4	1	120,146	533.4	6,119,487	2,265,823.5	\$1,865.35	\$2,016.78
533.6	3	120,149	1,600.8	6,121,088	2,264,222.7	\$5,597.46	\$6,052.58
533.9	2	120,151	1,067.8	6,122,156	2,263,154.9	\$3,733.06	\$4,037.28
534	2	120,153	1,068.0	6,123,224	2,262,086.9	\$3,733.53	\$4,038.03
534.6	1	120,154	534.6	6,123,758	2,261,552.3	\$1,868.18	\$2,021.25
535	3	120,157	1,605.0	6,125,363	2,259,947.3	\$5,607.39	\$6,068.21
535.2	1	120,158	535.2	6,125,899	2,259,412.1	\$1,869.60	\$2,023.48
535.3	1	120,159	535.3	6,126,434	2,258,876.8	\$1,869.84	\$2,023.85
535.4	1	120,160	535.4	6,126,969	2,258,341.4	\$1,870.08	\$2,024.22
535.6	1	120,161	535.6	6,127,505	2,257,805.8	\$1,870.55	\$2,024.97
535.8	1	120,162	535.8	6,128,041	2,257,270.0	\$1,871.02	\$2,025.71
536	4	120,166	2,144.0	6,130,185	2,255,126.0	\$7,485.98	\$8,105.82
536.4	2	120,168	1,072.8	6,131,257	2,254,053.2	\$3,744.88	\$4,055.89
536.5	1	120,169	536.5	6,131,794	2,253,516.7	\$1,872.68	\$2,028.32
536.6	1	120,170	536.6	6,132,331	2,252,980.1	\$1,872.91	\$2,028.69
536.8	1	120,171	536.8	6,132,867	2,252,443.3	\$1,873.39	\$2,029.43
537	3	120,174	1,611.0	6,134,478	2,250,832.3	\$5,621.57	\$6,090.53
538	3	120,177	1,614.0	6,136,092	2,249,218.3	\$5,628.67	\$6,101.69
538.1	1	120,178	538.1	6,136,630	2,248,680.2	\$1,876.46	\$2,034.27
538.5	1	120,179	538.5	6,137,169	2,248,141.7	\$1,877.40	\$2,035.76
538.6	1	120,180	538.6	6,137,708	2,247,603.1	\$1,877.64	\$2,036.13
538.7	1	120,181	538.7	6,138,246	2,247,064.4	\$1,877.88	\$2,036.50
538.9	2	120,183	1,077.8	6,139,324	2,245,986.6	\$3,756.70	\$4,074.49
539	2	120,185	1,078.0	6,140,402	2,244,908.6	\$3,757.17	\$4,075.24
539.4	1	120,186	539.4	6,140,941	2,244,369.2	\$1,879.53	\$2,039.11
539.5	1	120,187	539.5	6,141,481	2,243,829.7	\$1,879.77	\$2,039.48
539.9	1	120,188	539.9	6,142,021	2,243,289.8	\$1,880.71	\$2,040.97
540	1	120,189	540.0	6,142,561	2,242,749.8	\$1,880.95	\$2,041.34
540.3	1	120,190	540.3	6,143,101	2,242,209.5	\$1,881.66	\$2,042.46
540.4	1	120,191	540.4	6,143,642	2,241,669.1	\$1,881.90	\$2,042.83
541	3	120,194	1,623.0	6,145,265	2,240,046.1	\$5,649.94	\$6,135.18
541.1	1	120,195	541.1	6,145,806	2,239,505.0	\$1,883.55	\$2,045.43
541.5	1	120,196	541.5	6,146,347	2,238,963.5	\$1,884.50	\$2,046.92
541.7	1	120,197	541.7	6,146,889	2,238,421.8	\$1,884.97	\$2,047.67
542	2	120,199	1,084.0	6,147,973	2,237,337.8	\$3,771.35	\$4,097.56
542.1	1	120,200	542.1	6,148,515	2,236,795.7	\$1,885.91	\$2,049.15
542.2	3	120,203	1,626.6	6,150,142	2,235,169.1	\$5,658.45	\$6,148.58
542.3	1	120,204	542.3	6,150,684	2,234,626.8	\$1,886.39	\$2,049.90
542.7	2	120,206	1,085.4	6,151,769	2,233,541.4	\$3,774.66	\$4,102.77
542.8	1	120,207	542.8	6,152,312	2,232,998.6	\$1,887.57	\$2,051.76
543	1	120,208	543.0	6,152,855	2,232,455.6	\$1,888.04	\$2,052.50
543.4	1	120,209	543.4	6,153,398	2,231,912.2	\$1,888.99	\$2,053.99
543.5	1	120,210	543.5	6,153,942	2,231,368.7	\$1,889.22	\$2,054.36
543.7	2	120,212	1,087.4	6,155,029	2,230,281.3	\$3,779.39	\$4,110.22
544	2	120,214	1,088.0	6,156,117	2,229,193.3	\$3,780.81	\$4,112.45

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
544.1	2	120,216	1,088.2	6,157,206	2,228,105.1	\$3,781.28	\$4,113.19
544.4	1	120,217	544.4	6,157,750	2,227,560.7	\$1,891.35	\$2,057.71
544.5	3	120,220	1,633.5	6,159,383	2,225,927.2	\$5,674.76	\$6,174.25
544.8	1	120,221	544.8	6,159,928	2,225,382.4	\$1,892.30	\$2,059.20
545	1	120,222	545.0	6,160,473	2,224,837.4	\$1,892.77	\$2,059.95
545.1	1	120,223	545.1	6,161,018	2,224,292.3	\$1,893.00	\$2,060.32
545.5	2	120,225	1,091.0	6,162,109	2,223,201.3	\$3,787.90	\$4,123.61
545.8	1	120,226	545.8	6,162,655	2,222,655.5	\$1,894.66	\$2,062.92
546	2	120,228	1,092.0	6,163,747	2,221,563.5	\$3,790.26	\$4,127.33
546.1	1	120,229	546.1	6,164,293	2,221,017.4	\$1,895.37	\$2,064.04
546.2	1	120,230	546.2	6,164,839	2,220,471.2	\$1,895.61	\$2,064.41
546.3	1	120,231	546.3	6,165,386	2,219,924.9	\$1,895.84	\$2,064.78
546.5	1	120,232	546.5	6,165,932	2,219,378.4	\$1,896.31	\$2,065.53
546.6	1	120,233	546.6	6,166,479	2,218,831.8	\$1,896.55	\$2,065.90
547	4	120,237	2,188.0	6,168,667	2,216,643.8	\$7,589.98	\$8,269.55
547.1	1	120,238	547.1	6,169,214	2,216,096.7	\$1,897.73	\$2,067.76
547.3	1	120,239	547.3	6,169,761	2,215,549.4	\$1,898.21	\$2,068.50
547.4	1	120,240	547.4	6,170,309	2,215,002.0	\$1,898.44	\$2,068.88
547.7	1	120,241	547.7	6,170,856	2,214,454.3	\$1,899.15	\$2,069.99
547.8	1	120,242	547.8	6,171,404	2,213,906.5	\$1,899.39	\$2,070.36
548	1	120,243	548.0	6,171,952	2,213,358.5	\$1,899.86	\$2,071.11
548.1	2	120,245	1,096.2	6,173,048	2,212,262.3	\$3,800.19	\$4,142.96
548.2	3	120,248	1,644.6	6,174,693	2,210,617.7	\$5,701.00	\$6,215.56
548.5	2	120,250	1,097.0	6,175,790	2,209,520.7	\$3,802.08	\$4,145.94
548.7	2	120,252	1,097.4	6,176,887	2,208,423.3	\$3,803.03	\$4,147.43
548.9	1	120,253	548.9	6,177,436	2,207,874.4	\$1,901.99	\$2,074.46
549.1	1	120,254	549.1	6,177,985	2,207,325.3	\$1,902.46	\$2,075.20
549.2	1	120,255	549.2	6,178,535	2,206,776.1	\$1,902.70	\$2,075.57
549.6	2	120,257	1,099.2	6,179,634	2,205,676.9	\$3,807.28	\$4,154.12
549.7	1	120,258	549.7	6,180,183	2,205,127.2	\$1,903.88	\$2,077.43
549.9	1	120,259	549.9	6,180,733	2,204,577.3	\$1,904.35	\$2,078.18
550	2	120,261	1,100.0	6,181,833	2,203,477.3	\$3,809.18	\$4,157.10
550.1	2	120,263	1,100.2	6,182,934	2,202,377.1	\$3,809.65	\$4,157.84
550.2	1	120,264	550.2	6,183,484	2,201,826.9	\$1,905.06	\$2,079.29
550.6	1	120,265	550.6	6,184,034	2,201,276.3	\$1,906.01	\$2,080.78
550.8	1	120,266	550.8	6,184,585	2,200,725.5	\$1,906.48	\$2,081.53
551	4	120,270	2,204.0	6,186,789	2,198,521.5	\$7,627.81	\$8,329.08
551.1	1	120,271	551.1	6,187,340	2,197,970.4	\$1,907.19	\$2,082.64
551.3	1	120,272	551.3	6,187,892	2,197,419.1	\$1,907.66	\$2,083.39
551.4	3	120,275	1,654.2	6,189,546	2,195,764.9	\$5,723.69	\$6,251.28
551.5	1	120,276	551.5	6,190,097	2,195,213.4	\$1,908.13	\$2,084.13
551.6	2	120,278	1,103.2	6,191,200	2,194,110.2	\$3,816.74	\$4,169.01
551.8	1	120,279	551.8	6,191,752	2,193,558.4	\$1,908.84	\$2,085.25
552	1	120,280	552.0	6,192,304	2,193,006.4	\$1,909.32	\$2,085.99
552.2	1	120,281	552.2	6,192,856	2,192,454.2	\$1,909.79	\$2,086.74
552.3	2	120,283	1,104.6	6,193,961	2,191,349.6	\$3,820.05	\$4,174.22
552.4	1	120,284	552.4	6,194,513	2,190,797.2	\$1,910.26	\$2,087.48
552.5	2	120,286	1,105.0	6,195,618	2,189,692.2	\$3,820.99	\$4,175.71
552.8	1	120,287	552.8	6,196,171	2,189,139.4	\$1,911.21	\$2,088.97

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
552.9	1	120,288	552.9	6,196,724	2,188,586.5	\$1,911.44	\$2,089.34
553	4	120,292	2,212.0	6,198,936	2,186,374.5	\$7,646.72	\$8,358.85
553.2	1	120,293	553.2	6,199,489	2,185,821.3	\$1,912.15	\$2,090.46
553.3	2	120,295	1,106.6	6,200,596	2,184,714.7	\$3,824.78	\$4,181.66
553.4	1	120,296	553.4	6,201,149	2,184,161.3	\$1,912.62	\$2,091.20
553.5	1	120,297	553.5	6,201,703	2,183,607.8	\$1,912.86	\$2,091.57
553.6	1	120,298	553.6	6,202,256	2,183,054.2	\$1,913.10	\$2,091.95
554	1	120,299	554.0	6,202,810	2,182,500.2	\$1,914.04	\$2,093.43
554.4	1	120,300	554.4	6,203,365	2,181,945.8	\$1,914.99	\$2,094.92
554.6	1	120,301	554.6	6,203,919	2,181,391.2	\$1,915.46	\$2,095.67
554.8	1	120,302	554.8	6,204,474	2,180,836.4	\$1,915.93	\$2,096.41
555	2	120,304	1,110.0	6,205,584	2,179,726.4	\$3,832.81	\$4,194.31
555.3	1	120,305	555.3	6,206,140	2,179,171.1	\$1,917.12	\$2,098.27
555.6	2	120,307	1,111.2	6,207,251	2,178,059.9	\$3,835.65	\$4,198.78
555.7	2	120,309	1,111.4	6,208,362	2,176,948.5	\$3,836.12	\$4,199.52
555.8	1	120,310	555.8	6,208,918	2,176,392.7	\$1,918.30	\$2,100.13
555.9	1	120,311	555.9	6,209,474	2,175,836.8	\$1,918.53	\$2,100.50
556	2	120,313	1,112.0	6,210,586	2,174,724.8	\$3,837.54	\$4,201.75
556.2	1	120,314	556.2	6,211,142	2,174,168.6	\$1,919.24	\$2,101.62
556.7	2	120,316	1,113.4	6,212,255	2,173,055.2	\$3,840.85	\$4,206.96
556.8	2	120,318	1,113.6	6,213,369	2,171,941.6	\$3,841.32	\$4,207.71
557	1	120,319	557.0	6,213,926	2,171,384.6	\$1,921.13	\$2,104.60
557.8	1	120,320	557.8	6,214,484	2,170,826.8	\$1,923.03	\$2,107.57
558	1	120,321	558.0	6,215,042	2,170,268.8	\$1,923.50	\$2,108.32
558.2	1	120,322	558.2	6,215,600	2,169,710.6	\$1,923.97	\$2,109.06
558.7	1	120,323	558.7	6,216,159	2,169,151.9	\$1,925.15	\$2,110.92
559.1	1	120,324	559.1	6,216,718	2,168,592.8	\$1,926.10	\$2,112.41
559.4	1	120,325	559.4	6,217,277	2,168,033.4	\$1,926.81	\$2,113.53
560	2	120,327	1,120.0	6,218,397	2,166,913.4	\$3,856.45	\$4,231.52
560.1	1	120,328	560.1	6,218,957	2,166,353.3	\$1,928.46	\$2,116.13
560.3	1	120,329	560.3	6,219,518	2,165,793.0	\$1,928.93	\$2,116.88
560.7	1	120,330	560.7	6,220,078	2,165,232.3	\$1,929.88	\$2,118.36
560.8	1	120,331	560.8	6,220,639	2,164,671.5	\$1,930.12	\$2,118.74
561.1	1	120,332	561.1	6,221,200	2,164,110.4	\$1,930.83	\$2,119.85
561.2	1	120,333	561.2	6,221,761	2,163,549.2	\$1,931.06	\$2,120.23
561.4	2	120,335	1,122.8	6,222,884	2,162,426.4	\$3,863.07	\$4,241.94
561.5	1	120,336	561.5	6,223,446	2,161,864.9	\$1,931.77	\$2,121.34
561.6	1	120,337	561.6	6,224,007	2,161,303.3	\$1,932.01	\$2,121.71
561.8	1	120,338	561.8	6,224,569	2,160,741.5	\$1,932.48	\$2,122.46
562.2	1	120,339	562.2	6,225,131	2,160,179.3	\$1,933.43	\$2,123.95
562.3	1	120,340	562.3	6,225,694	2,159,617.0	\$1,933.66	\$2,124.32
562.6	1	120,341	562.6	6,226,256	2,159,054.4	\$1,934.37	\$2,125.43
563	2	120,343	1,126.0	6,227,382	2,157,928.4	\$3,870.63	\$4,253.85
563.1	1	120,344	563.1	6,227,945	2,157,365.3	\$1,935.55	\$2,127.30
563.2	1	120,345	563.2	6,228,509	2,156,802.1	\$1,935.79	\$2,127.67
563.4	1	120,346	563.4	6,229,072	2,156,238.7	\$1,936.26	\$2,128.41
563.9	1	120,347	563.9	6,229,636	2,155,674.8	\$1,937.44	\$2,130.27
564	5	120,352	2,820.0	6,232,456	2,152,854.8	\$9,688.40	\$10,653.22
564.2	3	120,355	1,692.6	6,234,148	2,151,162.2	\$5,814.46	\$6,394.16

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
564.7	1	120,356	564.7	6,234,713	2,150,597.5	\$1,939.34	\$2,133.25
565.4	2	120,358	1,130.8	6,235,844	2,149,466.7	\$3,881.98	\$4,271.71
565.5	2	120,360	1,131.0	6,236,975	2,148,335.7	\$3,882.45	\$4,272.45
566	2	120,362	1,132.0	6,238,107	2,147,203.7	\$3,884.82	\$4,276.17
566.4	1	120,363	566.4	6,238,673	2,146,637.3	\$1,943.35	\$2,139.57
566.8	1	120,364	566.8	6,239,240	2,146,070.5	\$1,944.30	\$2,141.06
566.9	1	120,365	566.9	6,239,807	2,145,503.6	\$1,944.54	\$2,141.43
567	2	120,367	1,134.0	6,240,941	2,144,369.6	\$3,889.54	\$4,283.61
567.6	2	120,369	1,135.2	6,242,076	2,143,234.4	\$3,892.38	\$4,288.08
567.8	1	120,370	567.8	6,242,644	2,142,666.6	\$1,946.66	\$2,144.78
568.4	1	120,371	568.4	6,243,212	2,142,098.2	\$1,948.08	\$2,147.02
568.5	1	120,372	568.5	6,243,781	2,141,529.7	\$1,948.32	\$2,147.39
569	2	120,374	1,138.0	6,244,919	2,140,391.7	\$3,899.00	\$4,298.50
569.5	1	120,375	569.5	6,245,488	2,139,822.2	\$1,950.68	\$2,151.11
569.8	1	120,376	569.8	6,246,058	2,139,252.4	\$1,951.39	\$2,152.23
569.9	1	120,377	569.9	6,246,628	2,138,682.5	\$1,951.63	\$2,152.60
570	2	120,379	1,140.0	6,247,768	2,137,542.5	\$3,903.73	\$4,305.94
570.7	1	120,380	570.7	6,248,339	2,136,971.8	\$1,953.52	\$2,155.57
571.7	1	120,381	571.7	6,248,911	2,136,400.1	\$1,955.88	\$2,159.30
572	1	120,382	572.0	6,249,483	2,135,828.1	\$1,956.59	\$2,160.41
572.2	1	120,383	572.2	6,250,055	2,135,255.9	\$1,957.06	\$2,161.16
572.3	1	120,384	572.3	6,250,627	2,134,683.6	\$1,957.30	\$2,161.53
572.7	1	120,385	572.7	6,251,200	2,134,110.9	\$1,958.25	\$2,163.02
572.8	1	120,386	572.8	6,251,773	2,133,538.1	\$1,958.48	\$2,163.39
573	1	120,387	573.0	6,252,346	2,132,965.1	\$1,958.95	\$2,164.13
573.2	1	120,388	573.2	6,252,919	2,132,391.9	\$1,959.43	\$2,164.88
573.3	1	120,389	573.3	6,253,492	2,131,818.6	\$1,959.66	\$2,165.25
573.5	1	120,390	573.5	6,254,066	2,131,245.1	\$1,960.14	\$2,165.99
573.6	1	120,391	573.6	6,254,639	2,130,671.5	\$1,960.37	\$2,166.37
573.8	1	120,392	573.8	6,255,213	2,130,097.7	\$1,960.85	\$2,167.11
573.9	1	120,393	573.9	6,255,787	2,129,523.8	\$1,961.08	\$2,167.48
574	6	120,399	3,444.0	6,259,231	2,126,079.8	\$11,767.91	\$13,007.12
575	3	120,402	1,725.0	6,260,956	2,124,354.8	\$5,891.05	\$6,514.73
575.1	1	120,403	575.1	6,261,531	2,123,779.7	\$1,963.92	\$2,171.95
575.5	1	120,404	575.5	6,262,106	2,123,204.2	\$1,964.86	\$2,173.44
575.6	1	120,405	575.6	6,262,682	2,122,628.6	\$1,965.10	\$2,173.81
576	1	120,406	576.0	6,263,258	2,122,052.6	\$1,966.05	\$2,175.30
576.2	1	120,407	576.2	6,263,834	2,121,476.4	\$1,966.52	\$2,176.04
576.8	2	120,409	1,153.6	6,264,988	2,120,322.8	\$3,935.87	\$4,356.55
577	2	120,411	1,154.0	6,266,142	2,119,168.8	\$3,936.82	\$4,358.03
577.2	1	120,412	577.2	6,266,719	2,118,591.6	\$1,968.88	\$2,179.76
577.5	1	120,413	577.5	6,267,297	2,118,014.1	\$1,969.59	\$2,180.88
577.8	3	120,416	1,733.4	6,269,030	2,116,280.7	\$5,910.90	\$6,545.98
578.1	1	120,417	578.1	6,269,608	2,115,702.6	\$1,971.01	\$2,183.11
578.2	1	120,418	578.2	6,270,186	2,115,124.4	\$1,971.25	\$2,183.48
578.3	2	120,420	1,156.6	6,271,343	2,113,967.8	\$3,942.97	\$4,367.71
578.4	1	120,421	578.4	6,271,921	2,113,389.4	\$1,971.72	\$2,184.23
578.8	3	120,424	1,736.4	6,273,658	2,111,653.0	\$5,917.99	\$6,557.14
579	4	120,428	2,316.0	6,275,974	2,109,337.0	\$7,892.55	\$8,745.84

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
579.2	1	120,429	579.2	6,276,553	2,108,757.8	\$1,973.61	\$2,187.20
579.5	2	120,431	1,159.0	6,277,712	2,107,598.8	\$3,948.64	\$4,376.64
579.7	1	120,432	579.7	6,278,292	2,107,019.1	\$1,974.79	\$2,189.06
579.8	2	120,434	1,159.6	6,279,451	2,105,859.5	\$3,950.06	\$4,378.87
580	2	120,436	1,160.0	6,280,611	2,104,699.5	\$3,951.00	\$4,380.36
580.2	1	120,437	580.2	6,281,191	2,104,119.3	\$1,975.97	\$2,190.92
580.5	1	120,438	580.5	6,281,772	2,103,538.8	\$1,976.68	\$2,192.04
580.6	1	120,439	580.6	6,282,352	2,102,958.2	\$1,976.92	\$2,192.41
581	1	120,440	581.0	6,282,933	2,102,377.2	\$1,977.87	\$2,193.90
581.2	2	120,442	1,162.4	6,284,096	2,101,214.8	\$3,956.68	\$4,389.29
581.7	1	120,443	581.7	6,284,678	2,100,633.1	\$1,979.52	\$2,196.51
582	1	120,444	582.0	6,285,260	2,100,051.1	\$1,980.23	\$2,197.62
582.4	1	120,445	582.4	6,285,842	2,099,468.7	\$1,981.17	\$2,199.11
582.5	2	120,447	1,165.0	6,287,007	2,098,303.7	\$3,962.82	\$4,398.97
582.6	1	120,448	582.6	6,287,590	2,097,721.1	\$1,981.65	\$2,199.85
582.7	1	120,449	582.7	6,288,172	2,097,138.4	\$1,981.88	\$2,200.23
583	1	120,450	583.0	6,288,755	2,096,555.4	\$1,982.59	\$2,201.34
583.4	2	120,452	1,166.8	6,289,922	2,095,388.6	\$3,967.08	\$4,405.66
584	3	120,455	1,752.0	6,291,674	2,093,636.6	\$5,954.87	\$6,615.19
584.1	1	120,456	584.1	6,292,258	2,093,052.5	\$1,985.19	\$2,205.44
584.3	1	120,457	584.3	6,292,842	2,092,468.2	\$1,985.67	\$2,206.18
584.5	1	120,458	584.5	6,293,427	2,091,883.7	\$1,986.14	\$2,206.92
584.6	1	120,459	584.6	6,294,012	2,091,299.1	\$1,986.37	\$2,207.30
585	1	120,460	585.0	6,294,597	2,090,714.1	\$1,987.32	\$2,208.79
585.7	1	120,461	585.7	6,295,182	2,090,128.4	\$1,988.98	\$2,211.39
585.8	2	120,463	1,171.6	6,296,354	2,088,956.8	\$3,978.42	\$4,423.52
586	3	120,466	1,758.0	6,298,112	2,087,198.8	\$5,969.05	\$6,637.52
586.9	1	120,467	586.9	6,298,699	2,086,611.9	\$1,991.81	\$2,215.85
587	2	120,469	1,174.0	6,299,873	2,085,437.9	\$3,984.10	\$4,432.45
587.2	3	120,472	1,761.6	6,301,634	2,083,676.3	\$5,977.56	\$6,650.91
587.6	1	120,473	587.6	6,302,222	2,083,088.7	\$1,993.47	\$2,218.46
587.7	1	120,474	587.7	6,302,810	2,082,501.0	\$1,993.70	\$2,218.83
587.9	1	120,475	587.9	6,303,398	2,081,913.1	\$1,994.18	\$2,219.58
588	2	120,477	1,176.0	6,304,574	2,080,737.1	\$3,988.82	\$4,439.90
588.1	1	120,478	588.1	6,305,162	2,080,149.0	\$1,994.65	\$2,220.32
588.6	2	120,480	1,177.2	6,306,339	2,078,971.8	\$3,991.66	\$4,444.36
589	2	120,482	1,178.0	6,307,517	2,077,793.8	\$3,993.55	\$4,447.34
589.1	1	120,483	589.1	6,308,106	2,077,204.7	\$1,997.01	\$2,224.04
589.3	2	120,485	1,178.6	6,309,285	2,076,026.1	\$3,994.97	\$4,449.57
589.6	1	120,486	589.6	6,309,874	2,075,436.5	\$1,998.19	\$2,225.90
590	2	120,488	1,180.0	6,311,054	2,074,256.5	\$3,998.28	\$4,454.78
590.6	1	120,489	590.6	6,311,645	2,073,665.9	\$2,000.56	\$2,229.62
591	2	120,491	1,182.0	6,312,827	2,072,483.9	\$4,003.01	\$4,462.22
591.1	1	120,492	591.1	6,313,418	2,071,892.8	\$2,001.74	\$2,231.48
591.6	2	120,494	1,183.2	6,314,601	2,070,709.6	\$4,005.84	\$4,466.69
591.7	1	120,495	591.7	6,315,193	2,070,117.9	\$2,003.16	\$2,233.72
592	3	120,498	1,776.0	6,316,969	2,068,341.9	\$6,011.60	\$6,704.50
593	2	120,500	1,186.0	6,318,155	2,067,155.9	\$4,012.46	\$4,477.11
593.1	2	120,502	1,186.2	6,319,341	2,065,969.7	\$4,012.93	\$4,477.85

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
593.4	1	120,503	593.4	6,319,934	2,065,376.3	\$2,007.18	\$2,240.04
593.5	1	120,504	593.5	6,320,528	2,064,782.8	\$2,007.41	\$2,240.41
593.7	1	120,505	593.7	6,321,122	2,064,189.1	\$2,007.89	\$2,241.16
593.8	1	120,506	593.8	6,321,715	2,063,595.3	\$2,008.12	\$2,241.53
593.9	1	120,507	593.9	6,322,309	2,063,001.4	\$2,008.36	\$2,241.90
594	1	120,508	594.0	6,322,903	2,062,407.4	\$2,008.59	\$2,242.27
594.2	1	120,509	594.2	6,323,497	2,061,813.2	\$2,009.07	\$2,243.02
594.3	1	120,510	594.3	6,324,092	2,061,218.9	\$2,009.30	\$2,243.39
594.4	1	120,511	594.4	6,324,686	2,060,624.5	\$2,009.54	\$2,243.76
594.6	1	120,512	594.6	6,325,281	2,060,029.9	\$2,010.01	\$2,244.51
594.9	1	120,513	594.9	6,325,876	2,059,435.0	\$2,010.72	\$2,245.62
595.1	1	120,514	595.1	6,326,471	2,058,839.9	\$2,011.19	\$2,246.37
595.2	1	120,515	595.2	6,327,066	2,058,244.7	\$2,011.43	\$2,246.74
595.3	1	120,516	595.3	6,327,661	2,057,649.4	\$2,011.67	\$2,247.11
595.7	1	120,517	595.7	6,328,257	2,057,053.7	\$2,012.61	\$2,248.60
596	2	120,519	1,192.0	6,329,449	2,055,861.7	\$4,026.64	\$4,499.43
596.1	1	120,520	596.1	6,330,045	2,055,265.6	\$2,013.56	\$2,250.09
596.2	1	120,521	596.2	6,330,641	2,054,669.4	\$2,013.80	\$2,250.46
596.4	2	120,523	1,192.8	6,331,834	2,053,476.6	\$4,028.54	\$4,502.41
596.5	1	120,524	596.5	6,332,431	2,052,880.1	\$2,014.50	\$2,251.58
596.6	1	120,525	596.6	6,333,027	2,052,283.5	\$2,014.74	\$2,251.95
596.8	1	120,526	596.8	6,333,624	2,051,686.7	\$2,015.21	\$2,252.69
596.9	1	120,527	596.9	6,334,221	2,051,089.8	\$2,015.45	\$2,253.06
597	2	120,529	1,194.0	6,335,415	2,049,895.8	\$4,031.37	\$4,506.87
597.5	1	120,530	597.5	6,336,012	2,049,298.3	\$2,016.87	\$2,255.30
597.8	1	120,531	597.8	6,336,610	2,048,700.5	\$2,017.58	\$2,256.41
598	2	120,533	1,196.0	6,337,806	2,047,504.5	\$4,036.10	\$4,514.32
598.5	1	120,534	598.5	6,338,405	2,046,906.0	\$2,019.23	\$2,259.02
599	2	120,536	1,198.0	6,339,603	2,045,708.0	\$4,040.83	\$4,521.76
599.1	1	120,537	599.1	6,340,202	2,045,108.9	\$2,020.65	\$2,261.25
599.6	1	120,538	599.6	6,340,801	2,044,509.3	\$2,021.83	\$2,263.11
599.7	1	120,539	599.7	6,341,401	2,043,909.6	\$2,022.07	\$2,263.48
599.9	1	120,540	599.9	6,342,001	2,043,309.7	\$2,022.54	\$2,264.23
600	5	120,545	3,000.0	6,345,001	2,040,309.7	\$10,113.89	\$11,323.00
600.3	2	120,547	1,200.6	6,346,202	2,039,109.1	\$4,046.97	\$4,531.43
600.4	1	120,548	600.4	6,346,802	2,038,508.7	\$2,023.72	\$2,266.09
600.8	1	120,549	600.8	6,347,403	2,037,907.9	\$2,024.67	\$2,267.58
600.9	1	120,550	600.9	6,348,004	2,037,307.0	\$2,024.90	\$2,267.95
601	3	120,553	1,803.0	6,349,807	2,035,504.0	\$6,075.42	\$6,804.96
601.3	2	120,555	1,202.6	6,351,009	2,034,301.4	\$4,051.70	\$4,538.87
602.4	2	120,557	1,204.8	6,352,214	2,033,096.6	\$4,056.90	\$4,547.06
602.6	2	120,559	1,205.2	6,353,419	2,031,891.4	\$4,057.85	\$4,548.55
603	1	120,560	603.0	6,354,022	2,031,288.4	\$2,029.87	\$2,275.76
603.1	1	120,561	603.1	6,354,625	2,030,685.3	\$2,030.11	\$2,276.14
603.3	2	120,563	1,206.6	6,355,832	2,029,478.7	\$4,061.16	\$4,553.76
603.5	2	120,565	1,207.0	6,357,039	2,028,271.7	\$4,062.10	\$4,555.25
604.2	1	120,566	604.2	6,357,643	2,027,667.5	\$2,032.71	\$2,280.23
605.5	1	120,567	605.5	6,358,249	2,027,062.0	\$2,035.78	\$2,285.07
605.6	1	120,568	605.6	6,358,854	2,026,456.4	\$2,036.01	\$2,285.44



## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
605.8	1	120,569	605.8	6,359,460	2,025,850.6	\$2,036.49	\$2,286.18
605.9	2	120,571	1,211.8	6,360,672	2,024,638.8	\$4,073.45	\$4,573.11
606.3	1	120,572	606.3	6,361,278	2,024,032.5	\$2,037.67	\$2,288.04
606.7	1	120,573	606.7	6,361,885	2,023,425.8	\$2,038.61	\$2,289.53
607	1	120,574	607.0	6,362,492	2,022,818.8	\$2,039.32	\$2,290.65
607.6	1	120,575	607.6	6,363,099	2,022,211.2	\$2,040.74	\$2,292.88
607.9	1	120,576	607.9	6,363,707	2,021,603.3	\$2,041.45	\$2,294.00
608	3	120,579	1,824.0	6,365,531	2,019,779.3	\$6,125.06	\$6,883.10
608.1	1	120,580	608.1	6,366,139	2,019,171.2	\$2,041.92	\$2,294.74
609	3	120,583	1,827.0	6,367,966	2,017,344.2	\$6,132.16	\$6,894.27
609.2	1	120,584	609.2	6,368,576	2,016,735.0	\$2,044.52	\$2,298.83
609.6	1	120,585	609.6	6,369,185	2,016,125.4	\$2,045.47	\$2,300.32
610	2	120,587	1,220.0	6,370,405	2,014,905.4	\$4,092.83	\$4,603.62
610.2	1	120,588	610.2	6,371,015	2,014,295.2	\$2,046.89	\$2,302.55
610.7	1	120,589	610.7	6,371,626	2,013,684.5	\$2,048.07	\$2,304.41
611	3	120,592	1,833.0	6,373,459	2,011,851.5	\$6,146.34	\$6,916.59
611.2	1	120,593	611.2	6,374,070	2,011,240.3	\$2,049.25	\$2,306.28
611.9	1	120,594	611.9	6,374,682	2,010,628.4	\$2,050.91	\$2,308.88
612	1	120,595	612.0	6,375,294	2,010,016.4	\$2,051.14	\$2,309.25
612.2	1	120,596	612.2	6,375,906	2,009,404.2	\$2,051.62	\$2,310.00
612.3	1	120,597	612.3	6,376,519	2,008,791.9	\$2,051.85	\$2,310.37
612.4	1	120,598	612.4	6,377,131	2,008,179.5	\$2,052.09	\$2,310.74
612.8	1	120,599	612.8	6,377,744	2,007,566.7	\$2,053.03	\$2,312.23
613	1	120,600	613.0	6,378,357	2,006,953.7	\$2,053.51	\$2,312.97
613.1	1	120,601	613.1	6,378,970	2,006,340.6	\$2,053.74	\$2,313.35
613.3	1	120,602	613.3	6,379,583	2,005,727.3	\$2,054.22	\$2,314.09
613.5	1	120,603	613.5	6,380,197	2,005,113.8	\$2,054.69	\$2,314.83
613.7	2	120,605	1,227.4	6,381,424	2,003,886.4	\$4,110.32	\$4,631.16
613.8	1	120,606	613.8	6,382,038	2,003,272.6	\$2,055.40	\$2,315.95
613.9	1	120,607	613.9	6,382,652	2,002,658.7	\$2,055.63	\$2,316.32
614.2	1	120,608	614.2	6,383,266	2,002,044.5	\$2,056.34	\$2,317.44
614.5	1	120,609	614.5	6,383,881	2,001,430.0	\$2,057.05	\$2,318.55
614.8	1	120,610	614.8	6,384,495	2,000,815.2	\$2,057.76	\$2,319.67
615	2	120,612	1,230.0	6,385,725	1,999,585.2	\$4,116.47	\$4,640.83
615.1	2	120,614	1,230.2	6,386,956	1,998,355.0	\$4,116.94	\$4,641.57
615.5	1	120,615	615.5	6,387,571	1,997,739.5	\$2,059.42	\$2,322.28
616	4	120,619	2,464.0	6,390,035	1,995,275.5	\$8,242.39	\$9,296.54
616.2	2	120,621	1,232.4	6,391,268	1,994,043.1	\$4,122.14	\$4,649.76
616.9	1	120,622	616.9	6,391,884	1,993,426.2	\$2,062.73	\$2,327.48
617	1	120,623	617.0	6,392,501	1,992,809.2	\$2,062.96	\$2,327.86
617.4	2	120,625	1,234.8	6,393,736	1,991,574.4	\$4,127.82	\$4,658.69
617.8	2	120,627	1,235.6	6,394,972	1,990,338.8	\$4,129.71	\$4,661.67
618.4	1	120,628	618.4	6,395,590	1,989,720.4	\$2,066.27	\$2,333.07
618.5	1	120,629	618.5	6,396,209	1,989,101.9	\$2,066.51	\$2,333.44
618.6	1	120,630	618.6	6,396,827	1,988,483.3	\$2,066.74	\$2,333.81
618.9	1	120,631	618.9	6,397,446	1,987,864.4	\$2,067.45	\$2,334.93
619.1	1	120,632	619.1	6,398,065	1,987,245.3	\$2,067.93	\$2,335.67
619.2	1	120,633	619.2	6,398,685	1,986,626.1	\$2,068.16	\$2,336.04
619.5	1	120,634	619.5	6,399,304	1,986,006.6	\$2,068.87	\$2,337.16

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
620	1	120,635	620.0	6,399,924	1,985,386.6	\$2,070.05	\$2,339.02
620.5	1	120,636	620.5	6,400,545	1,984,766.1	\$2,071.24	\$2,340.88
620.8	1	120,637	620.8	6,401,165	1,984,145.3	\$2,071.94	\$2,342.00
621	2	120,639	1,242.0	6,402,407	1,982,903.3	\$4,144.83	\$4,685.48
621.3	1	120,640	621.3	6,403,029	1,982,282.0	\$2,073.13	\$2,343.86
621.4	1	120,641	621.4	6,403,650	1,981,660.6	\$2,073.36	\$2,344.23
621.5	1	120,642	621.5	6,404,272	1,981,039.1	\$2,073.60	\$2,344.60
621.6	1	120,643	621.6	6,404,893	1,980,417.5	\$2,073.84	\$2,344.97
621.7	1	120,644	621.7	6,405,515	1,979,795.8	\$2,074.07	\$2,345.35
622	1	120,645	622.0	6,406,137	1,979,173.8	\$2,074.78	\$2,346.46
622.5	1	120,646	622.5	6,406,759	1,978,551.3	\$2,075.96	\$2,348.32
623	2	120,648	1,246.0	6,408,005	1,977,305.3	\$4,154.29	\$4,700.37
623.1	1	120,649	623.1	6,408,628	1,976,682.2	\$2,077.38	\$2,350.56
623.3	1	120,650	623.3	6,409,252	1,976,058.9	\$2,077.85	\$2,351.30
623.6	1	120,651	623.6	6,409,875	1,975,435.3	\$2,078.56	\$2,352.42
623.8	1	120,652	623.8	6,410,499	1,974,811.5	\$2,079.04	\$2,353.16
625	1	120,653	625.0	6,411,124	1,974,186.5	\$2,081.87	\$2,357.63
625.2	1	120,654	625.2	6,411,749	1,973,561.3	\$2,082.35	\$2,358.37
625.8	1	120,655	625.8	6,412,375	1,972,935.5	\$2,083.76	\$2,360.60
626	1	120,656	626.0	6,413,001	1,972,309.5	\$2,084.24	\$2,361.35
626.2	1	120,657	626.2	6,413,627	1,971,683.3	\$2,084.71	\$2,362.09
626.3	1	120,658	626.3	6,414,254	1,971,057.0	\$2,084.95	\$2,362.46
626.7	1	120,659	626.7	6,414,880	1,970,430.3	\$2,085.89	\$2,363.95
626.8	1	120,660	626.8	6,415,507	1,969,803.5	\$2,086.13	\$2,364.32
626.9	1	120,661	626.9	6,416,134	1,969,176.6	\$2,086.36	\$2,364.69
627	2	120,663	1,254.0	6,417,388	1,967,922.6	\$4,173.20	\$4,730.13
627.9	1	120,664	627.9	6,418,016	1,967,294.7	\$2,088.73	\$2,368.42
628.1	1	120,665	628.1	6,418,644	1,966,666.6	\$2,089.20	\$2,369.16
628.2	3	120,668	1,884.6	6,420,529	1,964,782.0	\$6,268.31	\$7,108.60
628.4	1	120,669	628.4	6,421,157	1,964,153.6	\$2,089.91	\$2,370.28
628.6	1	120,670	628.6	6,421,786	1,963,525.0	\$2,090.38	\$2,371.02
628.9	2	120,672	1,257.8	6,423,043	1,962,267.2	\$4,182.18	\$4,744.27
629	4	120,676	2,516.0	6,425,559	1,959,751.2	\$8,365.31	\$9,490.04
629.1	2	120,678	1,258.2	6,426,818	1,958,493.0	\$4,183.13	\$4,745.76
629.4	2	120,680	1,258.8	6,428,076	1,957,234.2	\$4,184.55	\$4,747.99
629.7	1	120,681	629.7	6,428,706	1,956,604.5	\$2,092.98	\$2,375.11
629.8	1	120,682	629.8	6,429,336	1,955,974.7	\$2,093.22	\$2,375.49
630	1	120,683	630.0	6,429,966	1,955,344.7	\$2,093.69	\$2,376.23
630.2	1	120,684	630.2	6,430,596	1,954,714.5	\$2,094.16	\$2,376.97
630.6	1	120,685	630.6	6,431,227	1,954,083.9	\$2,095.11	\$2,378.46
630.7	1	120,686	630.7	6,431,857	1,953,453.2	\$2,095.35	\$2,378.83
630.9	1	120,687	630.9	6,432,488	1,952,822.3	\$2,095.82	\$2,379.58
631	1	120,688	631.0	6,433,119	1,952,191.3	\$2,096.06	\$2,379.95
631.2	1	120,689	631.2	6,433,751	1,951,560.1	\$2,096.53	\$2,380.70
632	3	120,692	1,896.0	6,435,647	1,949,664.1	\$6,295.26	\$7,151.02
632.2	1	120,693	632.2	6,436,279	1,949,031.9	\$2,098.89	\$2,384.42
632.4	1	120,694	632.4	6,436,911	1,948,399.5	\$2,099.36	\$2,385.16
632.5	1	120,695	632.5	6,437,544	1,947,767.0	\$2,099.60	\$2,385.53
632.6	1	120,696	632.6	6,438,176	1,947,134.4	\$2,099.84	\$2,385.90

**RATE SCHEDULE NT (Commerical/Industrial - Choice)**

**Bill Frequency Analysis (2014-2015 MCFs)**

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
632.9	1	120,697	632.9	6,438,809	1,946,501.5	\$2,100.55	\$2,387.02
633	1	120,698	633.0	6,439,442	1,945,868.5	\$2,100.78	\$2,387.39
633.1	1	120,699	633.1	6,440,075	1,945,235.4	\$2,101.02	\$2,387.77
633.8	1	120,700	633.8	6,440,709	1,944,601.6	\$2,102.67	\$2,390.37
634	3	120,703	1,902.0	6,442,611	1,942,699.6	\$6,309.44	\$7,173.34
634.3	1	120,704	634.3	6,443,245	1,942,065.3	\$2,103.86	\$2,392.23
634.6	1	120,705	634.6	6,443,880	1,941,430.7	\$2,104.56	\$2,393.35
635	1	120,706	635.0	6,444,515	1,940,795.7	\$2,105.51	\$2,394.84
636	4	120,710	2,544.0	6,447,059	1,938,251.7	\$8,431.50	\$9,594.22
636.1	1	120,711	636.1	6,447,695	1,937,615.6	\$2,108.11	\$2,398.93
636.2	1	120,712	636.2	6,448,331	1,936,979.4	\$2,108.35	\$2,399.30
636.5	2	120,714	1,273.0	6,449,604	1,935,706.4	\$4,218.11	\$4,800.83
637	1	120,715	637.0	6,450,241	1,935,069.4	\$2,110.24	\$2,402.28
637.1	1	120,716	637.1	6,450,878	1,934,432.3	\$2,110.47	\$2,402.65
637.4	1	120,717	637.4	6,451,516	1,933,794.9	\$2,111.18	\$2,403.77
638	1	120,718	638.0	6,452,154	1,933,156.9	\$2,112.60	\$2,406.00
638.5	1	120,719	638.5	6,452,792	1,932,518.4	\$2,113.78	\$2,407.86
639	1	120,720	639.0	6,453,431	1,931,879.4	\$2,114.97	\$2,409.72
639.7	1	120,721	639.7	6,454,071	1,931,239.7	\$2,116.62	\$2,412.32
640	1	120,722	640.0	6,454,711	1,930,599.7	\$2,117.33	\$2,413.44
640.7	1	120,723	640.7	6,455,352	1,929,959.0	\$2,118.98	\$2,416.04
640.8	1	120,724	640.8	6,455,992	1,929,318.2	\$2,119.22	\$2,416.42
641	3	120,727	1,923.0	6,457,915	1,927,395.2	\$6,359.08	\$7,251.48
641.2	1	120,728	641.2	6,458,557	1,926,754.0	\$2,120.17	\$2,417.91
641.4	1	120,729	641.4	6,459,198	1,926,112.6	\$2,120.64	\$2,418.65
641.8	1	120,730	641.8	6,459,840	1,925,470.8	\$2,121.58	\$2,420.14
642	1	120,731	642.0	6,460,482	1,924,828.8	\$2,122.06	\$2,420.88
642.4	1	120,732	642.4	6,461,124	1,924,186.4	\$2,123.00	\$2,422.37
642.8	1	120,733	642.8	6,461,767	1,923,543.6	\$2,123.95	\$2,423.86
643	2	120,735	1,286.0	6,463,053	1,922,257.6	\$4,248.84	\$4,849.21
643.4	2	120,737	1,286.8	6,464,340	1,920,970.8	\$4,250.73	\$4,852.18
643.9	4	120,741	2,575.6	6,466,915	1,918,395.2	\$8,506.19	\$9,711.81
644	1	120,742	644.0	6,467,559	1,917,751.2	\$2,126.78	\$2,428.32
644.1	2	120,744	1,288.2	6,468,848	1,916,463.0	\$4,254.04	\$4,857.39
645	2	120,746	1,290.0	6,470,138	1,915,173.0	\$4,258.30	\$4,864.09
645.3	2	120,748	1,290.6	6,471,428	1,913,882.4	\$4,259.72	\$4,866.32
645.4	1	120,749	645.4	6,472,074	1,913,237.0	\$2,130.09	\$2,433.53
646	1	120,750	646.0	6,472,720	1,912,591.0	\$2,131.51	\$2,435.77
646.5	1	120,751	646.5	6,473,366	1,911,944.5	\$2,132.69	\$2,437.63
646.6	1	120,752	646.6	6,474,013	1,911,297.9	\$2,132.93	\$2,438.00
646.7	1	120,753	646.7	6,474,659	1,910,651.2	\$2,133.17	\$2,438.37
647	2	120,755	1,294.0	6,475,953	1,909,357.2	\$4,267.75	\$4,878.97
647.7	1	120,756	647.7	6,476,601	1,908,709.5	\$2,135.53	\$2,442.09
647.8	1	120,757	647.8	6,477,249	1,908,061.7	\$2,135.77	\$2,442.46
648	3	120,760	1,944.0	6,479,193	1,906,117.7	\$6,408.72	\$7,329.62
648.4	1	120,761	648.4	6,479,841	1,905,469.3	\$2,137.19	\$2,444.70
648.6	3	120,764	1,945.8	6,481,787	1,903,523.5	\$6,412.97	\$7,336.32
649	1	120,765	649.0	6,482,436	1,902,874.5	\$2,138.60	\$2,446.93
649.1	2	120,767	1,298.2	6,483,734	1,901,576.3	\$4,277.68	\$4,894.60

**RATE SCHEDULE NT (Commerical/Industrial - Choice)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
649.3	1	120,768	649.3	6,484,384	1,900,927.0	\$2,139.31	\$2,448.05
649.7	1	120,769	649.7	6,485,033	1,900,277.3	\$2,140.26	\$2,449.53
649.9	1	120,770	649.9	6,485,683	1,899,627.4	\$2,140.73	\$2,450.28
650	3	120,773	1,950.0	6,487,633	1,897,677.4	\$6,422.90	\$7,351.95
650.1	1	120,774	650.1	6,488,283	1,897,027.3	\$2,141.20	\$2,451.02
650.3	1	120,775	650.3	6,488,934	1,896,377.0	\$2,141.68	\$2,451.77
650.4	1	120,776	650.4	6,489,584	1,895,726.6	\$2,141.91	\$2,452.14
650.6	1	120,777	650.6	6,490,235	1,895,076.0	\$2,142.39	\$2,452.88
650.9	1	120,778	650.9	6,490,886	1,894,425.1	\$2,143.09	\$2,454.00
651	1	120,779	651.0	6,491,537	1,893,774.1	\$2,143.33	\$2,454.37
651.6	1	120,780	651.6	6,492,188	1,893,122.5	\$2,144.75	\$2,456.60
651.7	1	120,781	651.7	6,492,840	1,892,470.8	\$2,144.99	\$2,456.98
652.6	1	120,782	652.6	6,493,492	1,891,818.2	\$2,147.11	\$2,460.32
652.8	1	120,783	652.8	6,494,145	1,891,165.4	\$2,147.59	\$2,461.07
653	2	120,785	1,306.0	6,495,451	1,889,859.4	\$4,296.12	\$4,923.63
653.1	1	120,786	653.1	6,496,104	1,889,206.3	\$2,148.30	\$2,462.19
653.5	1	120,787	653.5	6,496,758	1,888,552.8	\$2,149.24	\$2,463.67
653.6	1	120,788	653.6	6,497,411	1,887,899.2	\$2,149.48	\$2,464.05
654	4	120,792	2,616.0	6,500,027	1,885,283.2	\$8,601.69	\$9,862.14
654.2	3	120,795	1,962.6	6,501,990	1,883,320.6	\$6,452.69	\$7,398.83
654.6	1	120,796	654.6	6,502,645	1,882,666.0	\$2,151.84	\$2,467.77
655.2	1	120,797	655.2	6,503,300	1,882,010.8	\$2,153.26	\$2,470.00
655.6	1	120,798	655.6	6,503,955	1,881,355.2	\$2,154.20	\$2,471.49
656	2	120,800	1,312.0	6,505,267	1,880,043.2	\$4,310.30	\$4,945.95
656.1	2	120,802	1,312.2	6,506,580	1,878,731.0	\$4,310.77	\$4,946.70
656.6	1	120,803	656.6	6,507,236	1,878,074.4	\$2,156.57	\$2,475.21
657.5	1	120,804	657.5	6,507,894	1,877,416.9	\$2,158.70	\$2,478.56
658	2	120,806	1,316.0	6,509,210	1,876,100.9	\$4,319.76	\$4,960.84
658.1	1	120,807	658.1	6,509,868	1,875,442.8	\$2,160.11	\$2,480.79
658.9	1	120,808	658.9	6,510,527	1,874,783.9	\$2,162.01	\$2,483.77
659	4	120,812	2,636.0	6,513,163	1,872,147.9	\$8,648.97	\$9,936.56
659.8	1	120,813	659.8	6,513,823	1,871,488.1	\$2,164.13	\$2,487.12
660.1	1	120,814	660.1	6,514,483	1,870,828.0	\$2,164.84	\$2,488.23
660.3	1	120,815	660.3	6,515,143	1,870,167.7	\$2,165.31	\$2,488.98
660.6	1	120,816	660.6	6,515,804	1,869,507.1	\$2,166.02	\$2,490.09
661	3	120,819	1,983.0	6,517,787	1,867,524.1	\$6,500.91	\$7,474.74
661.3	1	120,820	661.3	6,518,448	1,866,862.8	\$2,167.68	\$2,492.70
661.5	1	120,821	661.5	6,519,109	1,866,201.3	\$2,168.15	\$2,493.44
662	2	120,823	1,324.0	6,520,433	1,864,877.3	\$4,338.67	\$4,990.60
662.4	1	120,824	662.4	6,521,096	1,864,214.9	\$2,170.28	\$2,496.79
663	1	120,825	663.0	6,521,759	1,863,551.9	\$2,171.70	\$2,499.02
663.2	2	120,827	1,326.4	6,523,085	1,862,225.5	\$4,344.34	\$4,999.53
663.5	1	120,828	663.5	6,523,749	1,861,562.0	\$2,172.88	\$2,500.88
663.7	1	120,829	663.7	6,524,412	1,860,898.3	\$2,173.35	\$2,501.63
663.8	1	120,830	663.8	6,525,076	1,860,234.5	\$2,173.59	\$2,502.00
663.9	1	120,831	663.9	6,525,740	1,859,570.6	\$2,173.82	\$2,502.37
664	3	120,834	1,992.0	6,527,732	1,857,578.6	\$6,522.18	\$7,508.23
664.1	2	120,836	1,328.2	6,529,060	1,856,250.4	\$4,348.59	\$5,006.23
664.4	2	120,838	1,328.8	6,530,389	1,854,921.6	\$4,350.01	\$5,008.46

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
664.7	1	120,839	664.7	6,531,054	1,854,256.9	\$2,175.72	\$2,505.35
664.8	1	120,840	664.8	6,531,719	1,853,592.1	\$2,175.95	\$2,505.72
665	1	120,841	665.0	6,532,384	1,852,927.1	\$2,176.42	\$2,506.47
665.1	1	120,842	665.1	6,533,049	1,852,262.0	\$2,176.66	\$2,506.84
665.4	1	120,843	665.4	6,533,714	1,851,596.6	\$2,177.37	\$2,507.95
665.6	1	120,844	665.6	6,534,380	1,850,931.0	\$2,177.84	\$2,508.70
665.9	1	120,845	665.9	6,535,046	1,850,265.1	\$2,178.55	\$2,509.81
666	3	120,848	1,998.0	6,537,044	1,848,267.1	\$6,536.36	\$7,530.56
666.4	1	120,849	666.4	6,537,710	1,847,600.7	\$2,179.73	\$2,511.67
666.9	2	120,851	1,333.8	6,539,044	1,846,266.9	\$4,361.83	\$5,027.07
667	3	120,854	2,001.0	6,541,045	1,844,265.9	\$6,543.46	\$7,541.72
667.4	1	120,855	667.4	6,541,712	1,843,598.5	\$2,182.10	\$2,515.40
667.9	1	120,856	667.9	6,542,380	1,842,930.6	\$2,183.28	\$2,517.26
668	2	120,858	1,336.0	6,543,716	1,841,594.6	\$4,367.03	\$5,035.26
668.1	3	120,861	2,004.3	6,545,720	1,839,590.3	\$6,551.26	\$7,554.00
668.6	1	120,862	668.6	6,546,389	1,838,921.7	\$2,184.93	\$2,519.86
668.8	1	120,863	668.8	6,547,058	1,838,252.9	\$2,185.41	\$2,520.60
668.9	1	120,864	668.9	6,547,727	1,837,584.0	\$2,185.64	\$2,520.98
669	2	120,866	1,338.0	6,549,065	1,836,246.0	\$4,371.76	\$5,042.70
669.4	1	120,867	669.4	6,549,734	1,835,576.6	\$2,186.83	\$2,522.84
669.6	1	120,868	669.6	6,550,404	1,834,907.0	\$2,187.30	\$2,523.58
669.8	2	120,870	1,339.6	6,551,743	1,833,567.4	\$4,375.54	\$5,048.65
670.8	1	120,871	670.8	6,552,414	1,832,896.6	\$2,190.13	\$2,528.05
671.4	1	120,872	671.4	6,553,085	1,832,225.2	\$2,191.55	\$2,530.28
671.7	2	120,874	1,343.4	6,554,429	1,830,881.8	\$4,384.52	\$5,062.79
671.9	1	120,875	671.9	6,555,101	1,830,209.9	\$2,192.73	\$2,532.14
672	3	120,878	2,016.0	6,557,117	1,828,193.9	\$6,578.91	\$7,597.54
672.4	1	120,879	672.4	6,557,789	1,827,521.5	\$2,193.92	\$2,534.00
672.8	1	120,880	672.8	6,558,462	1,826,848.7	\$2,194.86	\$2,535.49
673	1	120,881	673.0	6,559,135	1,826,175.7	\$2,195.33	\$2,536.23
673.8	1	120,882	673.8	6,559,809	1,825,501.9	\$2,197.23	\$2,539.21
674	3	120,885	2,022.0	6,561,831	1,823,479.9	\$6,593.10	\$7,619.86
674.7	1	120,886	674.7	6,562,505	1,822,805.2	\$2,199.35	\$2,542.56
674.8	1	120,887	674.8	6,563,180	1,822,130.4	\$2,199.59	\$2,542.93
675	4	120,891	2,700.0	6,565,880	1,819,430.4	\$8,800.25	\$10,174.70
675.4	2	120,893	1,350.8	6,567,231	1,818,079.6	\$4,402.02	\$5,090.33
676	2	120,895	1,352.0	6,568,583	1,816,727.6	\$4,404.85	\$5,094.79
676.1	1	120,896	676.1	6,569,259	1,816,051.5	\$2,202.66	\$2,547.77
676.8	1	120,897	676.8	6,569,936	1,815,374.7	\$2,204.32	\$2,550.37
676.9	1	120,898	676.9	6,570,613	1,814,697.8	\$2,204.55	\$2,550.74
677	1	120,899	677.0	6,571,290	1,814,020.8	\$2,204.79	\$2,551.12
677.7	1	120,900	677.7	6,571,968	1,813,343.1	\$2,206.44	\$2,553.72
678	4	120,904	2,712.0	6,574,680	1,810,631.1	\$8,828.62	\$10,219.35
678.1	1	120,905	678.1	6,575,358	1,809,953.0	\$2,207.39	\$2,555.21
678.2	1	120,906	678.2	6,576,036	1,809,274.8	\$2,207.63	\$2,555.58
678.4	1	120,907	678.4	6,576,714	1,808,596.4	\$2,208.10	\$2,556.33
678.6	2	120,909	1,357.2	6,578,071	1,807,239.2	\$4,417.14	\$5,114.14
678.9	1	120,910	678.9	6,578,750	1,806,560.3	\$2,209.28	\$2,558.19
679	3	120,913	2,037.0	6,580,787	1,804,523.3	\$6,628.55	\$7,675.68

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
679.5	1	120,914	679.5	6,581,467	1,803,843.8	\$2,210.70	\$2,560.42
679.7	1	120,915	679.7	6,582,147	1,803,164.1	\$2,211.17	\$2,561.16
679.9	1	120,916	679.9	6,582,826	1,802,484.2	\$2,211.65	\$2,561.91
680	2	120,918	1,360.0	6,584,186	1,801,124.2	\$4,423.76	\$5,124.56
680.1	1	120,919	680.1	6,584,867	1,800,444.1	\$2,212.12	\$2,562.65
680.4	1	120,920	680.4	6,585,547	1,799,763.7	\$2,212.83	\$2,563.77
680.5	1	120,921	680.5	6,586,227	1,799,083.2	\$2,213.06	\$2,564.14
681.4	1	120,922	681.4	6,586,909	1,798,401.8	\$2,215.19	\$2,567.49
681.7	1	120,923	681.7	6,587,591	1,797,720.1	\$2,215.90	\$2,568.61
682	1	120,924	682.0	6,588,273	1,797,038.1	\$2,216.61	\$2,569.72
682.1	2	120,926	1,364.2	6,589,637	1,795,673.9	\$4,433.69	\$5,140.19
683	3	120,929	2,049.0	6,591,686	1,793,624.9	\$6,656.92	\$7,720.33
686	1	120,930	686.0	6,592,372	1,792,938.9	\$2,226.06	\$2,584.61
686.3	1	120,931	686.3	6,593,058	1,792,252.6	\$2,226.77	\$2,585.72
686.7	1	120,932	686.7	6,593,745	1,791,565.9	\$2,227.72	\$2,587.21
687.1	1	120,933	687.1	6,594,432	1,790,878.8	\$2,228.66	\$2,588.70
687.9	1	120,934	687.9	6,595,120	1,790,190.9	\$2,230.56	\$2,591.68
688	4	120,938	2,752.0	6,597,872	1,787,438.9	\$8,923.17	\$10,368.19
688.8	1	120,939	688.8	6,598,561	1,786,750.1	\$2,232.68	\$2,595.02
689	2	120,941	1,378.0	6,599,939	1,785,372.1	\$4,466.31	\$5,191.54
689.8	1	120,942	689.8	6,600,628	1,784,682.3	\$2,235.05	\$2,598.75
690	1	120,943	690.0	6,601,318	1,783,992.3	\$2,235.52	\$2,599.49
691	2	120,945	1,382.0	6,602,700	1,782,610.3	\$4,475.77	\$5,206.42
691.6	1	120,946	691.6	6,603,392	1,781,918.7	\$2,239.30	\$2,605.44
691.8	1	120,947	691.8	6,604,084	1,781,226.9	\$2,239.77	\$2,606.19
692	1	120,948	692.0	6,604,776	1,780,534.9	\$2,240.25	\$2,606.93
692.4	1	120,949	692.4	6,605,468	1,779,842.5	\$2,241.19	\$2,608.42
692.6	1	120,950	692.6	6,606,161	1,779,149.9	\$2,241.67	\$2,609.16
693	2	120,952	1,386.0	6,607,547	1,777,763.9	\$4,485.22	\$5,221.31
693.3	1	120,953	693.3	6,608,240	1,777,070.6	\$2,243.32	\$2,611.77
693.5	1	120,954	693.5	6,608,934	1,776,377.1	\$2,243.79	\$2,612.51
694	5	120,959	3,470.0	6,612,404	1,772,907.1	\$11,224.87	\$13,071.87
694.3	1	120,960	694.3	6,613,098	1,772,212.8	\$2,245.68	\$2,615.49
694.6	1	120,961	694.6	6,613,792	1,771,518.2	\$2,246.39	\$2,616.61
694.9	1	120,962	694.9	6,614,487	1,770,823.3	\$2,247.10	\$2,617.72
695.6	2	120,964	1,391.2	6,615,879	1,769,432.1	\$4,497.51	\$5,240.66
695.8	1	120,965	695.8	6,616,574	1,768,736.3	\$2,249.23	\$2,621.07
696	2	120,967	1,392.0	6,617,966	1,767,344.3	\$4,499.40	\$5,243.63
696.3	2	120,969	1,392.6	6,619,359	1,765,951.7	\$4,500.82	\$5,245.86
696.6	2	120,971	1,393.2	6,620,752	1,764,558.5	\$4,502.24	\$5,248.10
697.3	1	120,972	697.3	6,621,449	1,763,861.2	\$2,252.78	\$2,626.65
697.5	2	120,974	1,395.0	6,622,844	1,762,466.2	\$4,506.50	\$5,254.80
698	1	120,975	698.0	6,623,542	1,761,768.2	\$2,254.43	\$2,629.26
698.1	3	120,978	2,094.3	6,625,637	1,759,673.9	\$6,764.00	\$7,888.89
698.3	1	120,979	698.3	6,626,335	1,758,975.6	\$2,255.14	\$2,630.37
698.8	1	120,980	698.8	6,627,034	1,758,276.8	\$2,256.32	\$2,632.23
699	2	120,982	1,398.0	6,628,432	1,756,878.8	\$4,513.59	\$5,265.96
699.6	1	120,983	699.6	6,629,131	1,756,179.2	\$2,258.21	\$2,635.21
699.9	1	120,984	699.9	6,629,831	1,755,479.3	\$2,258.92	\$2,636.33

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
700	3	120,987	2,100.0	6,631,931	1,753,379.3	\$6,777.47	\$7,910.10
700.4	1	120,988	700.4	6,632,632	1,752,678.9	\$2,260.10	\$2,638.19
700.5	1	120,989	700.5	6,633,332	1,751,978.4	\$2,260.34	\$2,638.56
700.8	1	120,990	700.8	6,634,033	1,751,277.6	\$2,261.05	\$2,639.68
700.9	1	120,991	700.9	6,634,734	1,750,576.7	\$2,261.28	\$2,640.05
701.3	1	120,992	701.3	6,635,435	1,749,875.4	\$2,262.23	\$2,641.54
702	3	120,995	2,106.0	6,637,541	1,747,769.4	\$6,791.66	\$7,932.43
702.1	1	120,996	702.1	6,638,243	1,747,067.3	\$2,264.12	\$2,644.51
702.2	1	120,997	702.2	6,638,946	1,746,365.1	\$2,264.36	\$2,644.89
703.8	2	120,999	1,407.6	6,640,353	1,744,957.5	\$4,536.28	\$5,301.68
704	2	121,001	1,408.0	6,641,761	1,743,549.5	\$4,537.23	\$5,303.17
704.4	1	121,002	704.4	6,642,466	1,742,845.1	\$2,269.56	\$2,653.07
704.5	1	121,003	704.5	6,643,170	1,742,140.6	\$2,269.79	\$2,653.44
704.7	1	121,004	704.7	6,643,875	1,741,435.9	\$2,270.27	\$2,654.19
704.9	1	121,005	704.9	6,644,580	1,740,731.0	\$2,270.74	\$2,654.93
705	2	121,007	1,410.0	6,645,990	1,739,321.0	\$4,541.95	\$5,310.61
705.4	1	121,008	705.4	6,646,695	1,738,615.6	\$2,271.92	\$2,656.79
705.5	2	121,010	1,411.0	6,648,106	1,737,204.6	\$4,544.32	\$5,314.33
705.8	1	121,011	705.8	6,648,812	1,736,498.8	\$2,272.87	\$2,658.28
706.3	1	121,012	706.3	6,649,518	1,735,792.5	\$2,274.05	\$2,660.14
706.6	1	121,013	706.6	6,650,225	1,735,085.9	\$2,274.76	\$2,661.26
706.7	1	121,014	706.7	6,650,931	1,734,379.2	\$2,274.99	\$2,661.63
707	1	121,015	707.0	6,651,638	1,733,672.2	\$2,275.70	\$2,662.75
707.7	1	121,016	707.7	6,652,346	1,732,964.5	\$2,277.36	\$2,665.35
708	2	121,018	1,416.0	6,653,762	1,731,548.5	\$4,556.14	\$5,332.94
708.2	1	121,019	708.2	6,654,470	1,730,840.3	\$2,278.54	\$2,667.21
708.3	1	121,020	708.3	6,655,179	1,730,132.0	\$2,278.78	\$2,667.58
708.9	3	121,023	2,126.7	6,657,305	1,728,005.3	\$6,840.59	\$8,009.45
709.3	1	121,024	709.3	6,658,015	1,727,296.0	\$2,281.14	\$2,671.31
709.6	1	121,025	709.6	6,658,724	1,726,586.4	\$2,281.85	\$2,672.42
710	1	121,026	710.0	6,659,434	1,725,876.4	\$2,282.80	\$2,673.91
710.3	1	121,027	710.3	6,660,145	1,725,166.1	\$2,283.50	\$2,675.03
710.7	1	121,028	710.7	6,660,855	1,724,455.4	\$2,284.45	\$2,676.51
711	1	121,029	711.0	6,661,566	1,723,744.4	\$2,285.16	\$2,677.63
711.2	2	121,031	1,422.4	6,662,989	1,722,322.0	\$4,571.26	\$5,356.75
711.5	1	121,032	711.5	6,663,700	1,721,610.5	\$2,286.34	\$2,679.49
712	1	121,033	712.0	6,664,412	1,720,898.5	\$2,287.52	\$2,681.35
712.4	1	121,034	712.4	6,665,125	1,720,186.1	\$2,288.47	\$2,682.84
713	2	121,036	1,426.0	6,666,551	1,718,760.1	\$4,579.77	\$5,370.15
713.1	1	121,037	713.1	6,667,264	1,718,047.0	\$2,290.12	\$2,685.45
713.2	2	121,039	1,426.4	6,668,690	1,716,620.6	\$4,580.72	\$5,371.63
713.4	1	121,040	713.4	6,669,403	1,715,907.2	\$2,290.83	\$2,686.56
713.5	1	121,041	713.5	6,670,117	1,715,193.7	\$2,291.07	\$2,686.93
713.6	1	121,042	713.6	6,670,831	1,714,480.1	\$2,291.31	\$2,687.31
713.7	1	121,043	713.7	6,671,544	1,713,766.4	\$2,291.54	\$2,687.68
714.3	1	121,044	714.3	6,672,259	1,713,052.1	\$2,292.96	\$2,689.91
714.7	1	121,045	714.7	6,672,973	1,712,337.4	\$2,293.91	\$2,691.40
714.9	1	121,046	714.9	6,673,688	1,711,622.5	\$2,294.38	\$2,692.14
715	2	121,048	1,430.0	6,675,118	1,710,192.5	\$4,589.23	\$5,385.03

**RATE SCHEDULE NT (Commerical/Industrial - Choice)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
715.2	1	121,049	715.2	6,675,833	1,709,477.3	\$2,295.09	\$2,693.26
715.9	1	121,050	715.9	6,676,549	1,708,761.4	\$2,296.74	\$2,695.86
716.6	1	121,051	716.6	6,677,266	1,708,044.8	\$2,298.40	\$2,698.47
717.3	2	121,053	1,434.6	6,678,700	1,706,610.2	\$4,600.10	\$5,402.15
717.4	1	121,054	717.4	6,679,418	1,705,892.8	\$2,300.29	\$2,701.45
717.5	1	121,055	717.5	6,680,135	1,705,175.3	\$2,300.52	\$2,701.82
718	4	121,059	2,872.0	6,683,007	1,702,303.3	\$9,206.82	\$10,814.71
718.6	1	121,060	718.6	6,683,726	1,701,584.7	\$2,303.12	\$2,705.91
718.7	1	121,061	718.7	6,684,445	1,700,866.0	\$2,303.36	\$2,706.28
718.9	2	121,063	1,437.8	6,685,882	1,699,428.2	\$4,607.67	\$5,414.05
719	2	121,065	1,438.0	6,687,320	1,697,990.2	\$4,608.14	\$5,414.80
719.6	1	121,066	719.6	6,688,040	1,697,270.6	\$2,305.49	\$2,709.63
720.2	1	121,067	720.2	6,688,760	1,696,550.4	\$2,306.91	\$2,711.86
721	2	121,069	1,442.0	6,690,202	1,695,108.4	\$4,617.59	\$5,429.68
721.2	1	121,070	721.2	6,690,923	1,694,387.2	\$2,309.27	\$2,715.59
721.3	1	121,071	721.3	6,691,645	1,693,665.9	\$2,309.51	\$2,715.96
721.4	1	121,072	721.4	6,692,366	1,692,944.5	\$2,309.74	\$2,716.33
721.9	1	121,073	721.9	6,693,088	1,692,222.6	\$2,310.92	\$2,718.19
722	1	121,074	722.0	6,693,810	1,691,500.6	\$2,311.16	\$2,718.56
722.2	1	121,075	722.2	6,694,532	1,690,778.4	\$2,311.63	\$2,719.31
722.8	1	121,076	722.8	6,695,255	1,690,055.6	\$2,313.05	\$2,721.54
723	3	121,079	2,169.0	6,697,424	1,687,886.6	\$6,940.57	\$8,166.85
723.1	1	121,080	723.1	6,698,147	1,687,163.5	\$2,313.76	\$2,722.66
723.3	1	121,081	723.3	6,698,870	1,686,440.2	\$2,314.23	\$2,723.40
723.5	1	121,082	723.5	6,699,594	1,685,716.7	\$2,314.71	\$2,724.14
724	2	121,084	1,448.0	6,701,042	1,684,268.7	\$4,631.78	\$5,452.01
724.5	1	121,085	724.5	6,701,766	1,683,544.2	\$2,317.07	\$2,727.86
725	1	121,086	725.0	6,702,491	1,682,819.2	\$2,318.25	\$2,729.73
725.6	1	121,087	725.6	6,703,217	1,682,093.6	\$2,319.67	\$2,731.96
726.7	1	121,088	726.7	6,703,944	1,681,366.9	\$2,322.27	\$2,736.05
727	1	121,089	727.0	6,704,671	1,680,639.9	\$2,322.98	\$2,737.17
727.1	2	121,091	1,454.2	6,706,125	1,679,185.7	\$4,646.43	\$5,475.08
728.9	1	121,092	728.9	6,706,854	1,678,456.8	\$2,327.47	\$2,744.24
729.4	1	121,093	729.4	6,707,583	1,677,727.4	\$2,328.65	\$2,746.10
729.6	1	121,094	729.6	6,708,313	1,676,997.8	\$2,329.13	\$2,746.84
729.9	1	121,095	729.9	6,709,043	1,676,267.9	\$2,329.84	\$2,747.96
730	1	121,096	730.0	6,709,773	1,675,537.9	\$2,330.07	\$2,748.33
730.2	1	121,097	730.2	6,710,503	1,674,807.7	\$2,330.54	\$2,749.07
730.6	1	121,098	730.6	6,711,234	1,674,077.1	\$2,331.49	\$2,750.56
730.7	1	121,099	730.7	6,711,964	1,673,346.4	\$2,331.73	\$2,750.93
731	1	121,100	731.0	6,712,695	1,672,615.4	\$2,332.44	\$2,752.05
731.2	1	121,101	731.2	6,713,426	1,671,884.2	\$2,332.91	\$2,752.80
731.7	1	121,102	731.7	6,714,158	1,671,152.5	\$2,334.09	\$2,754.66
732.4	1	121,103	732.4	6,714,891	1,670,420.1	\$2,335.74	\$2,757.26
733	1	121,104	733.0	6,715,624	1,669,687.1	\$2,337.16	\$2,759.49
734	1	121,105	734.0	6,716,358	1,668,953.1	\$2,339.53	\$2,763.21
734.1	1	121,106	734.1	6,717,092	1,668,219.0	\$2,339.76	\$2,763.59
734.4	1	121,107	734.4	6,717,826	1,667,484.6	\$2,340.47	\$2,764.70
735	1	121,108	735.0	6,718,561	1,666,749.6	\$2,341.89	\$2,766.94



## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
735.7	1	121,109	735.7	6,719,297	1,666,013.9	\$2,343.55	\$2,769.54
736	1	121,110	736.0	6,720,033	1,665,277.9	\$2,344.25	\$2,770.66
736.1	2	121,112	1,472.2	6,721,505	1,663,805.7	\$4,688.98	\$5,542.06
737	1	121,113	737.0	6,722,242	1,663,068.7	\$2,346.62	\$2,774.38
737.1	1	121,114	737.1	6,722,979	1,662,331.6	\$2,346.85	\$2,774.75
737.2	1	121,115	737.2	6,723,716	1,661,594.4	\$2,347.09	\$2,775.12
737.4	1	121,116	737.4	6,724,454	1,660,857.0	\$2,347.56	\$2,775.87
737.9	1	121,117	737.9	6,725,192	1,660,119.1	\$2,348.75	\$2,777.73
738.9	1	121,118	738.9	6,725,930	1,659,380.2	\$2,351.11	\$2,781.45
739	1	121,119	739.0	6,726,669	1,658,641.2	\$2,351.35	\$2,781.82
739.3	1	121,120	739.3	6,727,409	1,657,901.9	\$2,352.05	\$2,782.94
740	2	121,122	1,480.0	6,728,889	1,656,421.9	\$4,707.42	\$5,571.08
740.4	1	121,123	740.4	6,729,629	1,655,681.5	\$2,354.66	\$2,787.03
741.3	1	121,124	741.3	6,730,370	1,654,940.2	\$2,356.78	\$2,790.38
741.6	1	121,125	741.6	6,731,112	1,654,198.6	\$2,357.49	\$2,791.49
742	2	121,127	1,484.0	6,732,596	1,652,714.6	\$4,716.87	\$5,585.96
742.2	1	121,128	742.2	6,733,338	1,651,972.4	\$2,358.91	\$2,793.73
742.3	1	121,129	742.3	6,734,081	1,651,230.1	\$2,359.15	\$2,794.10
743	1	121,130	743.0	6,734,824	1,650,487.1	\$2,360.80	\$2,796.70
743.6	1	121,131	743.6	6,735,567	1,649,743.5	\$2,362.22	\$2,798.94
743.9	1	121,132	743.9	6,736,311	1,648,999.6	\$2,362.93	\$2,800.05
744.5	1	121,133	744.5	6,737,056	1,648,255.1	\$2,364.35	\$2,802.28
744.6	1	121,134	744.6	6,737,800	1,647,510.5	\$2,364.58	\$2,802.66
744.7	1	121,135	744.7	6,738,545	1,646,765.8	\$2,364.82	\$2,803.03
745.1	1	121,136	745.1	6,739,290	1,646,020.7	\$2,365.76	\$2,804.52
746	3	121,139	2,238.0	6,741,528	1,643,782.7	\$7,103.68	\$8,423.60
746.7	1	121,140	746.7	6,742,275	1,643,036.0	\$2,369.55	\$2,810.47
747	1	121,141	747.0	6,743,022	1,642,289.0	\$2,370.26	\$2,811.59
748	3	121,144	2,244.0	6,745,266	1,640,045.0	\$7,117.86	\$8,445.92
748.2	1	121,145	748.2	6,746,014	1,639,296.8	\$2,373.09	\$2,816.05
748.4	1	121,146	748.4	6,746,762	1,638,548.4	\$2,373.57	\$2,816.80
748.6	1	121,147	748.6	6,747,511	1,637,799.8	\$2,374.04	\$2,817.54
749	2	121,149	1,498.0	6,749,009	1,636,301.8	\$4,749.97	\$5,638.06
749.3	1	121,150	749.3	6,749,758	1,635,552.5	\$2,375.69	\$2,820.15
749.6	1	121,151	749.6	6,750,508	1,634,802.9	\$2,376.40	\$2,821.26
749.7	1	121,152	749.7	6,751,257	1,634,053.2	\$2,376.64	\$2,821.63
750	1	121,153	750.0	6,752,007	1,633,303.2	\$2,377.35	\$2,822.75
750.7	1	121,154	750.7	6,752,758	1,632,552.5	\$2,379.00	\$2,825.35
751	1	121,155	751.0	6,753,509	1,631,801.5	\$2,379.71	\$2,826.47
751.5	1	121,156	751.5	6,754,261	1,631,050.0	\$2,380.89	\$2,828.33
752	1	121,157	752.0	6,755,013	1,630,298.0	\$2,382.08	\$2,830.19
752.3	2	121,159	1,504.6	6,756,517	1,628,793.4	\$4,765.57	\$5,662.62
752.4	1	121,160	752.4	6,757,270	1,628,041.0	\$2,383.02	\$2,831.68
753	1	121,161	753.0	6,758,023	1,627,288.0	\$2,384.44	\$2,833.91
753.1	1	121,162	753.1	6,758,776	1,626,534.9	\$2,384.68	\$2,834.29
753.3	2	121,164	1,506.6	6,760,282	1,625,028.3	\$4,770.30	\$5,670.06
753.7	1	121,165	753.7	6,761,036	1,624,274.6	\$2,386.09	\$2,836.52
754	2	121,167	1,508.0	6,762,544	1,622,766.6	\$4,773.61	\$5,675.27
755	2	121,169	1,510.0	6,764,054	1,621,256.6	\$4,778.33	\$5,682.71

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
755.4	1	121,170	755.4	6,764,809	1,620,501.2	\$2,390.11	\$2,842.84
756.1	1	121,171	756.1	6,765,566	1,619,745.1	\$2,391.77	\$2,845.45
757	1	121,172	757.0	6,766,323	1,618,988.1	\$2,393.89	\$2,848.80
757.9	1	121,173	757.9	6,767,080	1,618,230.2	\$2,396.02	\$2,852.15
758	1	121,174	758.0	6,767,838	1,617,472.2	\$2,396.26	\$2,852.52
758.4	1	121,175	758.4	6,768,597	1,616,713.8	\$2,397.20	\$2,854.01
758.8	1	121,176	758.8	6,769,356	1,615,955.0	\$2,398.15	\$2,855.49
759	1	121,177	759.0	6,770,115	1,615,196.0	\$2,398.62	\$2,856.24
759.4	1	121,178	759.4	6,770,874	1,614,436.6	\$2,399.57	\$2,857.73
759.7	1	121,179	759.7	6,771,634	1,613,676.9	\$2,400.28	\$2,858.84
759.8	2	121,181	1,519.6	6,773,153	1,612,157.3	\$4,801.03	\$5,718.43
760	2	121,183	1,520.0	6,774,673	1,610,637.3	\$4,801.97	\$5,719.92
760.2	2	121,185	1,520.4	6,776,194	1,609,116.9	\$4,802.92	\$5,721.41
760.3	1	121,186	760.3	6,776,954	1,608,356.6	\$2,401.69	\$2,861.08
761	1	121,187	761.0	6,777,715	1,607,595.6	\$2,403.35	\$2,863.68
761.2	2	121,189	1,522.4	6,779,237	1,606,073.2	\$4,807.64	\$5,728.85
761.4	1	121,190	761.4	6,779,999	1,605,311.8	\$2,404.29	\$2,865.17
761.7	3	121,193	2,285.1	6,782,284	1,603,026.7	\$7,215.01	\$8,598.86
762	1	121,194	762.0	6,783,046	1,602,264.7	\$2,405.71	\$2,867.40
762.8	1	121,195	762.8	6,783,809	1,601,501.9	\$2,407.60	\$2,870.38
763.2	1	121,196	763.2	6,784,572	1,600,738.7	\$2,408.55	\$2,871.87
763.4	1	121,197	763.4	6,785,335	1,599,975.3	\$2,409.02	\$2,872.61
764	1	121,198	764.0	6,786,099	1,599,211.3	\$2,410.44	\$2,874.84
764.8	1	121,199	764.8	6,786,864	1,598,446.5	\$2,412.33	\$2,877.82
765	3	121,202	2,295.0	6,789,159	1,596,151.5	\$7,238.41	\$8,635.70
765.9	1	121,203	765.9	6,789,925	1,595,385.6	\$2,414.93	\$2,881.91
766.4	1	121,204	766.4	6,790,691	1,594,619.2	\$2,416.11	\$2,883.77
766.7	1	121,205	766.7	6,791,458	1,593,852.5	\$2,416.82	\$2,884.89
766.8	2	121,207	1,533.6	6,792,992	1,592,318.9	\$4,834.12	\$5,770.53
767	2	121,209	1,534.0	6,794,526	1,590,784.9	\$4,835.06	\$5,772.01
767.8	1	121,210	767.8	6,795,294	1,590,017.1	\$2,419.42	\$2,888.98
767.9	1	121,211	767.9	6,796,061	1,589,249.2	\$2,419.66	\$2,889.36
768.3	1	121,212	768.3	6,796,830	1,588,480.9	\$2,420.61	\$2,890.84
768.5	1	121,213	768.5	6,797,598	1,587,712.4	\$2,421.08	\$2,891.59
768.8	2	121,215	1,537.6	6,799,136	1,586,174.8	\$4,843.57	\$5,785.41
769	1	121,216	769.0	6,799,905	1,585,405.8	\$2,422.26	\$2,893.45
769.2	1	121,217	769.2	6,800,674	1,584,636.6	\$2,422.73	\$2,894.19
769.9	1	121,218	769.9	6,801,444	1,583,866.7	\$2,424.39	\$2,896.80
770	1	121,219	770.0	6,802,214	1,583,096.7	\$2,424.62	\$2,897.17
770.1	1	121,220	770.1	6,802,984	1,582,326.6	\$2,424.86	\$2,897.54
770.7	2	121,222	1,541.4	6,804,525	1,580,785.2	\$4,852.56	\$5,799.55
770.8	1	121,223	770.8	6,805,296	1,580,014.4	\$2,426.51	\$2,900.15
771.2	2	121,225	1,542.4	6,806,839	1,578,472.0	\$4,854.92	\$5,803.27
771.4	1	121,226	771.4	6,807,610	1,577,700.6	\$2,427.93	\$2,902.38
771.5	2	121,228	1,543.0	6,809,153	1,576,157.6	\$4,856.34	\$5,805.50
772	1	121,229	772.0	6,809,925	1,575,385.6	\$2,429.35	\$2,904.61
772.1	1	121,230	772.1	6,810,697	1,574,613.5	\$2,429.59	\$2,904.98
772.3	1	121,231	772.3	6,811,469	1,573,841.2	\$2,430.06	\$2,905.73
772.7	1	121,232	772.7	6,812,242	1,573,068.5	\$2,431.01	\$2,907.22

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
773	2	121,234	1,546.0	6,813,788	1,571,522.5	\$4,863.43	\$5,816.67
773.1	1	121,235	773.1	6,814,561	1,570,749.4	\$2,431.95	\$2,908.71
773.4	1	121,236	773.4	6,815,335	1,569,976.0	\$2,432.66	\$2,909.82
774.5	1	121,237	774.5	6,816,109	1,569,201.5	\$2,435.26	\$2,913.91
774.6	1	121,238	774.6	6,816,884	1,568,426.9	\$2,435.50	\$2,914.29
775.5	1	121,239	775.5	6,817,659	1,567,651.4	\$2,437.62	\$2,917.64
775.8	1	121,240	775.8	6,818,435	1,566,875.6	\$2,438.33	\$2,918.75
776	1	121,241	776.0	6,819,211	1,566,099.6	\$2,438.81	\$2,919.50
776.1	1	121,242	776.1	6,819,987	1,565,323.5	\$2,439.04	\$2,919.87
776.5	1	121,243	776.5	6,820,764	1,564,547.0	\$2,439.99	\$2,921.36
776.9	1	121,244	776.9	6,821,541	1,563,770.1	\$2,440.93	\$2,922.84
777.1	1	121,245	777.1	6,822,318	1,562,993.0	\$2,441.41	\$2,923.59
777.3	1	121,246	777.3	6,823,095	1,562,215.7	\$2,441.88	\$2,924.33
777.6	1	121,247	777.6	6,823,873	1,561,438.1	\$2,442.59	\$2,925.45
777.8	1	121,248	777.8	6,824,650	1,560,660.3	\$2,443.06	\$2,926.19
778	2	121,250	1,556.0	6,826,206	1,559,104.3	\$4,887.07	\$5,853.88
778.3	2	121,252	1,556.6	6,827,763	1,557,547.7	\$4,888.49	\$5,856.11
779	2	121,254	1,558.0	6,829,321	1,555,989.7	\$4,891.80	\$5,861.32
779.1	2	121,256	1,558.2	6,830,879	1,554,431.5	\$4,892.27	\$5,862.06
779.4	1	121,257	779.4	6,831,659	1,553,652.1	\$2,446.84	\$2,932.15
780	2	121,259	1,560.0	6,833,219	1,552,092.1	\$4,896.52	\$5,868.76
780.9	2	121,261	1,561.8	6,834,780	1,550,530.3	\$4,900.78	\$5,875.46
781.1	1	121,262	781.1	6,835,561	1,549,749.2	\$2,450.86	\$2,938.47
781.6	1	121,263	781.6	6,836,343	1,548,967.6	\$2,452.04	\$2,940.33
781.9	1	121,264	781.9	6,837,125	1,548,185.7	\$2,452.75	\$2,941.45
782.5	1	121,265	782.5	6,837,907	1,547,403.2	\$2,454.17	\$2,943.68
782.8	1	121,266	782.8	6,838,690	1,546,620.4	\$2,454.88	\$2,944.80
783.7	1	121,267	783.7	6,839,474	1,545,836.7	\$2,457.01	\$2,948.15
784.3	1	121,268	784.3	6,840,258	1,545,052.4	\$2,458.43	\$2,950.38
784.6	1	121,269	784.6	6,841,043	1,544,267.8	\$2,459.13	\$2,951.50
784.7	1	121,270	784.7	6,841,828	1,543,483.1	\$2,459.37	\$2,951.87
785	1	121,271	785.0	6,842,613	1,542,698.1	\$2,460.08	\$2,952.99
785.2	1	121,272	785.2	6,843,398	1,541,912.9	\$2,460.55	\$2,953.73
786.1	1	121,273	786.1	6,844,184	1,541,126.8	\$2,462.68	\$2,957.08
786.5	1	121,274	786.5	6,844,970	1,540,340.3	\$2,463.63	\$2,958.57
786.9	1	121,275	786.9	6,845,757	1,539,553.4	\$2,464.57	\$2,960.05
787.9	1	121,276	787.9	6,846,545	1,538,765.5	\$2,466.94	\$2,963.78
788.5	3	121,279	2,365.5	6,848,911	1,536,400.0	\$7,405.06	\$8,898.03
789	3	121,282	2,367.0	6,851,278	1,534,033.0	\$7,408.61	\$8,903.61
789.5	1	121,283	789.5	6,852,067	1,533,243.5	\$2,470.72	\$2,969.73
789.9	1	121,284	789.9	6,852,857	1,532,453.6	\$2,471.66	\$2,971.22
790	1	121,285	790.0	6,853,647	1,531,663.6	\$2,471.90	\$2,971.59
790.1	1	121,286	790.1	6,854,437	1,530,873.5	\$2,472.14	\$2,971.96
790.9	1	121,287	790.9	6,855,228	1,530,082.6	\$2,474.03	\$2,974.94
791.6	1	121,288	791.6	6,856,020	1,529,291.0	\$2,475.68	\$2,977.54
792	1	121,289	792.0	6,856,812	1,528,499.0	\$2,476.63	\$2,979.03
792.5	1	121,290	792.5	6,857,604	1,527,706.5	\$2,477.81	\$2,980.89
793	1	121,291	793.0	6,858,397	1,526,913.5	\$2,478.99	\$2,982.75
793.3	2	121,293	1,586.6	6,859,984	1,525,326.9	\$4,959.40	\$5,967.74

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
793.4	1	121,294	793.4	6,860,777	1,524,533.5	\$2,479.94	\$2,984.24
794.4	2	121,296	1,588.8	6,862,366	1,522,944.7	\$4,964.60	\$5,975.92
794.6	2	121,298	1,589.2	6,863,955	1,521,355.5	\$4,965.55	\$5,977.41
796	2	121,300	1,592.0	6,865,547	1,519,763.5	\$4,972.16	\$5,987.83
797	1	121,301	797.0	6,866,344	1,518,966.5	\$2,488.45	\$2,997.64
798	1	121,302	798.0	6,867,142	1,518,168.5	\$2,490.81	\$3,001.36
798.3	1	121,303	798.3	6,867,940	1,517,370.2	\$2,491.52	\$3,002.47
798.5	1	121,304	798.5	6,868,739	1,516,571.7	\$2,491.99	\$3,003.22
798.6	1	121,305	798.6	6,869,538	1,515,773.1	\$2,492.23	\$3,003.59
799	1	121,306	799.0	6,870,337	1,514,974.1	\$2,493.17	\$3,005.08
800	2	121,308	1,600.0	6,871,937	1,513,374.1	\$4,991.08	\$6,017.60
800.5	1	121,309	800.5	6,872,737	1,512,573.6	\$2,496.72	\$3,010.66
800.6	1	121,310	800.6	6,873,538	1,511,773.0	\$2,496.96	\$3,011.03
800.8	1	121,311	800.8	6,874,338	1,510,972.2	\$2,497.43	\$3,011.78
801	1	121,312	801.0	6,875,139	1,510,171.2	\$2,497.90	\$3,012.52
801.5	1	121,313	801.5	6,875,941	1,509,369.7	\$2,499.08	\$3,014.38
801.8	1	121,314	801.8	6,876,743	1,508,567.9	\$2,499.79	\$3,015.50
802	1	121,315	802.0	6,877,545	1,507,765.9	\$2,500.27	\$3,016.24
802.7	1	121,316	802.7	6,878,347	1,506,963.2	\$2,501.92	\$3,018.85
803	1	121,317	803.0	6,879,150	1,506,160.2	\$2,502.63	\$3,019.96
803.6	1	121,318	803.6	6,879,954	1,505,356.6	\$2,504.05	\$3,022.20
803.8	1	121,319	803.8	6,880,758	1,504,552.8	\$2,504.52	\$3,022.94
804	1	121,320	804.0	6,881,562	1,503,748.8	\$2,504.99	\$3,023.68
804.1	1	121,321	804.1	6,882,366	1,502,944.7	\$2,505.23	\$3,024.06
804.6	1	121,322	804.6	6,883,171	1,502,140.1	\$2,506.41	\$3,025.92
805	1	121,323	805.0	6,883,976	1,501,335.1	\$2,507.36	\$3,027.41
805.3	1	121,324	805.3	6,884,781	1,500,529.8	\$2,508.07	\$3,028.52
805.8	1	121,325	805.8	6,885,587	1,499,724.0	\$2,509.25	\$3,030.38
806	3	121,328	2,418.0	6,888,005	1,497,306.0	\$7,529.16	\$9,093.38
806.2	1	121,329	806.2	6,888,811	1,496,499.8	\$2,510.19	\$3,031.87
806.7	1	121,330	806.7	6,889,618	1,495,693.1	\$2,511.37	\$3,033.73
806.9	1	121,331	806.9	6,890,424	1,494,886.2	\$2,511.85	\$3,034.47
807.1	2	121,333	1,614.2	6,892,039	1,493,272.0	\$5,024.64	\$6,070.44
807.4	1	121,334	807.4	6,892,846	1,492,464.6	\$2,513.03	\$3,036.34
807.6	1	121,335	807.6	6,893,654	1,491,657.0	\$2,513.50	\$3,037.08
808	2	121,337	1,616.0	6,895,270	1,490,041.0	\$5,028.90	\$6,077.14
808.1	1	121,338	808.1	6,896,078	1,489,232.9	\$2,514.68	\$3,038.94
808.2	1	121,339	808.2	6,896,886	1,488,424.7	\$2,514.92	\$3,039.31
808.4	1	121,340	808.4	6,897,694	1,487,616.3	\$2,515.39	\$3,040.06
808.7	2	121,342	1,617.4	6,899,312	1,485,998.9	\$5,032.21	\$6,082.35
809	3	121,345	2,427.0	6,901,739	1,483,571.9	\$7,550.44	\$9,126.87
809.1	2	121,347	1,618.2	6,903,357	1,481,953.7	\$5,034.10	\$6,085.32
809.4	1	121,348	809.4	6,904,166	1,481,144.3	\$2,517.76	\$3,043.78
809.5	1	121,349	809.5	6,904,976	1,480,334.8	\$2,517.99	\$3,044.15
810	2	121,351	1,620.0	6,906,596	1,478,714.8	\$5,038.35	\$6,092.02
810.2	2	121,353	1,620.4	6,908,216	1,477,094.4	\$5,039.30	\$6,093.51
810.4	1	121,354	810.4	6,909,027	1,476,284.0	\$2,520.12	\$3,047.50
810.5	1	121,355	810.5	6,909,837	1,475,473.5	\$2,520.36	\$3,047.87
810.9	1	121,356	810.9	6,910,648	1,474,662.6	\$2,521.30	\$3,049.36

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
811.4	1	121,357	811.4	6,911,459	1,473,851.2	\$2,522.48	\$3,051.22
811.6	1	121,358	811.6	6,912,271	1,473,039.6	\$2,522.96	\$3,051.96
811.7	1	121,359	811.7	6,913,083	1,472,227.9	\$2,523.19	\$3,052.34
812	1	121,360	812.0	6,913,895	1,471,415.9	\$2,523.90	\$3,053.45
813.4	2	121,362	1,626.8	6,915,522	1,469,789.1	\$5,054.42	\$6,117.32
814	3	121,365	2,442.0	6,917,964	1,467,347.1	\$7,585.89	\$9,182.68
814.1	1	121,366	814.1	6,918,778	1,466,533.0	\$2,528.87	\$3,061.27
815	2	121,368	1,630.0	6,920,408	1,464,903.0	\$5,061.99	\$6,129.23
815.7	1	121,369	815.7	6,921,223	1,464,087.3	\$2,532.65	\$3,067.22
816	2	121,371	1,632.0	6,922,855	1,462,455.3	\$5,066.72	\$6,136.67
817	1	121,372	817.0	6,923,672	1,461,638.3	\$2,535.72	\$3,072.06
817.2	1	121,373	817.2	6,924,490	1,460,821.1	\$2,536.19	\$3,072.80
817.5	1	121,374	817.5	6,925,307	1,460,003.6	\$2,536.90	\$3,073.92
818.1	1	121,375	818.1	6,926,125	1,459,185.5	\$2,538.32	\$3,076.15
819	1	121,376	819.0	6,926,944	1,458,366.5	\$2,540.45	\$3,079.50
819.6	1	121,377	819.6	6,927,764	1,457,546.9	\$2,541.87	\$3,081.73
820.1	1	121,378	820.1	6,928,584	1,456,726.8	\$2,543.05	\$3,083.59
820.6	1	121,379	820.6	6,929,404	1,455,906.2	\$2,544.23	\$3,085.45
820.9	2	121,381	1,641.8	6,931,046	1,454,264.4	\$5,089.88	\$6,173.14
821.2	1	121,382	821.2	6,931,867	1,453,443.2	\$2,545.65	\$3,087.69
821.9	1	121,383	821.9	6,932,689	1,452,621.3	\$2,547.30	\$3,090.29
824	1	121,384	824.0	6,933,513	1,451,797.3	\$2,552.27	\$3,098.10
824.8	1	121,385	824.8	6,934,338	1,450,972.5	\$2,554.16	\$3,101.08
825.1	1	121,386	825.1	6,935,163	1,450,147.4	\$2,554.87	\$3,102.20
825.4	1	121,387	825.4	6,935,989	1,449,322.0	\$2,555.58	\$3,103.31
826.7	1	121,388	826.7	6,936,815	1,448,495.3	\$2,558.65	\$3,108.15
827	1	121,389	827.0	6,937,642	1,447,668.3	\$2,559.36	\$3,109.27
827.8	1	121,390	827.8	6,938,470	1,446,840.5	\$2,561.25	\$3,112.24
828.1	1	121,391	828.1	6,939,298	1,446,012.4	\$2,561.96	\$3,113.36
828.5	1	121,392	828.5	6,940,127	1,445,183.9	\$2,562.91	\$3,114.85
830.3	1	121,393	830.3	6,940,957	1,444,353.6	\$2,567.16	\$3,121.55
830.5	1	121,394	830.5	6,941,788	1,443,523.1	\$2,567.63	\$3,122.29
831	1	121,395	831.0	6,942,619	1,442,692.1	\$2,568.82	\$3,124.15
831.9	1	121,396	831.9	6,943,450	1,441,860.2	\$2,570.94	\$3,127.50
832.6	1	121,397	832.6	6,944,283	1,441,027.6	\$2,572.60	\$3,130.10
833.1	1	121,398	833.1	6,945,116	1,440,194.5	\$2,573.78	\$3,131.97
833.6	1	121,399	833.6	6,945,950	1,439,360.9	\$2,574.96	\$3,133.83
833.7	2	121,401	1,667.4	6,947,617	1,437,693.5	\$5,150.40	\$6,268.40
833.8	1	121,402	833.8	6,948,451	1,436,859.7	\$2,575.43	\$3,134.57
834.2	1	121,403	834.2	6,949,285	1,436,025.5	\$2,576.38	\$3,136.06
834.3	1	121,404	834.3	6,950,119	1,435,191.2	\$2,576.62	\$3,136.43
835	1	121,405	835.0	6,950,954	1,434,356.2	\$2,578.27	\$3,139.04
835.1	1	121,406	835.1	6,951,790	1,433,521.1	\$2,578.51	\$3,139.41
836.6	1	121,407	836.6	6,952,626	1,432,684.5	\$2,582.05	\$3,144.99
837.5	1	121,408	837.5	6,953,464	1,431,847.0	\$2,584.18	\$3,148.34
838	1	121,409	838.0	6,954,302	1,431,009.0	\$2,585.36	\$3,150.20
839	1	121,410	839.0	6,955,141	1,430,170.0	\$2,587.73	\$3,153.92
839.3	1	121,411	839.3	6,955,980	1,429,330.7	\$2,588.43	\$3,155.04
839.6	1	121,412	839.6	6,956,820	1,428,491.1	\$2,589.14	\$3,156.15

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
840	1	121,413	840.0	6,957,660	1,427,651.1	\$2,590.09	\$3,157.64
840.7	2	121,415	1,681.4	6,959,341	1,425,969.7	\$5,183.49	\$6,320.49
841	2	121,417	1,682.0	6,961,023	1,424,287.7	\$5,184.91	\$6,322.72
841.5	1	121,418	841.5	6,961,864	1,423,446.2	\$2,593.64	\$3,163.22
842	1	121,419	842.0	6,962,706	1,422,604.2	\$2,594.82	\$3,165.08
842.6	1	121,420	842.6	6,963,549	1,421,761.6	\$2,596.24	\$3,167.31
843.2	1	121,421	843.2	6,964,392	1,420,918.4	\$2,597.65	\$3,169.55
843.8	1	121,422	843.8	6,965,236	1,420,074.6	\$2,599.07	\$3,171.78
844	1	121,423	844.0	6,966,080	1,419,230.6	\$2,599.54	\$3,172.52
845	2	121,425	1,690.0	6,967,770	1,417,540.6	\$5,203.82	\$6,352.49
846.3	1	121,426	846.3	6,968,616	1,416,694.3	\$2,604.98	\$3,181.08
847.4	2	121,428	1,694.8	6,970,311	1,414,999.5	\$5,215.16	\$6,370.35
848.7	1	121,429	848.7	6,971,160	1,414,150.8	\$2,610.65	\$3,190.01
848.8	1	121,430	848.8	6,972,009	1,413,302.0	\$2,610.89	\$3,190.38
849	3	121,433	2,547.0	6,974,556	1,410,755.0	\$7,834.09	\$9,573.39
850	3	121,436	2,550.0	6,977,106	1,408,205.0	\$7,841.18	\$9,584.55
851	1	121,437	851.0	6,977,957	1,407,354.0	\$2,616.09	\$3,198.57
852	1	121,438	852.0	6,978,809	1,406,502.0	\$2,618.46	\$3,202.29
852.3	1	121,439	852.3	6,979,661	1,405,649.7	\$2,619.16	\$3,203.41
852.9	1	121,440	852.9	6,980,514	1,404,796.8	\$2,620.58	\$3,205.64
854	1	121,441	854.0	6,981,368	1,403,942.8	\$2,623.18	\$3,209.73
854.5	1	121,442	854.5	6,982,222	1,403,088.3	\$2,624.36	\$3,211.59
854.7	1	121,443	854.7	6,983,077	1,402,233.6	\$2,624.84	\$3,212.34
854.8	1	121,444	854.8	6,983,932	1,401,378.8	\$2,625.07	\$3,212.71
855.1	1	121,445	855.1	6,984,787	1,400,523.7	\$2,625.78	\$3,213.83
855.2	1	121,446	855.2	6,985,642	1,399,668.5	\$2,626.02	\$3,214.20
855.6	1	121,447	855.6	6,986,498	1,398,812.9	\$2,626.96	\$3,215.69
856	1	121,448	856.0	6,987,354	1,397,956.9	\$2,627.91	\$3,217.18
856.9	1	121,449	856.9	6,988,211	1,397,100.0	\$2,630.04	\$3,220.52
857	1	121,450	857.0	6,989,068	1,396,243.0	\$2,630.27	\$3,220.90
858	2	121,452	1,716.0	6,990,784	1,394,527.0	\$5,265.28	\$6,449.24
858.3	1	121,453	858.3	6,991,642	1,393,668.7	\$2,633.35	\$3,225.73
858.6	1	121,454	858.6	6,992,501	1,392,810.1	\$2,634.06	\$3,226.85
859	1	121,455	859.0	6,993,360	1,391,951.1	\$2,635.00	\$3,228.34
859.1	1	121,456	859.1	6,994,219	1,391,092.0	\$2,635.24	\$3,228.71
859.3	1	121,457	859.3	6,995,078	1,390,232.7	\$2,635.71	\$3,229.46
859.9	1	121,458	859.9	6,995,938	1,389,372.8	\$2,637.13	\$3,231.69
860.8	1	121,459	860.8	6,996,799	1,388,512.0	\$2,639.26	\$3,235.04
862.7	1	121,460	862.7	6,997,661	1,387,649.3	\$2,643.75	\$3,242.11
864	1	121,461	864.0	6,998,525	1,386,785.3	\$2,646.82	\$3,246.94
865	1	121,462	865.0	6,999,390	1,385,920.3	\$2,649.18	\$3,250.67
866	1	121,463	866.0	7,000,256	1,385,054.3	\$2,651.55	\$3,254.39
866.5	1	121,464	866.5	7,001,123	1,384,187.8	\$2,652.73	\$3,256.25
867	2	121,466	1,734.0	7,002,857	1,382,453.8	\$5,307.82	\$6,516.21
867.5	1	121,467	867.5	7,003,724	1,381,586.3	\$2,655.09	\$3,259.97
868.3	1	121,468	868.3	7,004,593	1,380,718.0	\$2,656.99	\$3,262.94
868.9	2	121,470	1,737.8	7,006,330	1,378,980.2	\$5,316.81	\$6,530.35
869.6	1	121,471	869.6	7,007,200	1,378,110.6	\$2,660.06	\$3,267.78
870	2	121,473	1,740.0	7,008,940	1,376,370.6	\$5,322.01	\$6,538.54

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
870.3	1	121,474	870.3	7,009,810	1,375,500.3	\$2,661.71	\$3,270.39
870.6	1	121,475	870.6	7,010,681	1,374,629.7	\$2,662.42	\$3,271.50
871	1	121,476	871.0	7,011,552	1,373,758.7	\$2,663.37	\$3,272.99
871.9	1	121,477	871.9	7,012,424	1,372,886.8	\$2,665.49	\$3,276.34
872	2	121,479	1,744.0	7,014,168	1,371,142.8	\$5,331.46	\$6,553.42
876	1	121,480	876.0	7,015,044	1,370,266.8	\$2,675.19	\$3,291.60
876.2	1	121,481	876.2	7,015,920	1,369,390.6	\$2,675.66	\$3,292.34
876.4	1	121,482	876.4	7,016,796	1,368,514.2	\$2,676.13	\$3,293.08
876.5	1	121,483	876.5	7,017,673	1,367,637.7	\$2,676.37	\$3,293.46
877	2	121,485	1,754.0	7,019,427	1,365,883.7	\$5,355.10	\$6,590.63
878	1	121,486	878.0	7,020,305	1,365,005.7	\$2,679.91	\$3,299.04
878.8	2	121,488	1,757.6	7,022,063	1,363,248.1	\$5,363.61	\$6,604.03
879	1	121,489	879.0	7,022,942	1,362,369.1	\$2,682.28	\$3,302.76
879.6	1	121,490	879.6	7,023,821	1,361,489.5	\$2,683.70	\$3,304.99
880	1	121,491	880.0	7,024,701	1,360,609.5	\$2,684.64	\$3,306.48
880.3	1	121,492	880.3	7,025,581	1,359,729.2	\$2,685.35	\$3,307.60
881	1	121,493	881.0	7,026,462	1,358,848.2	\$2,687.01	\$3,310.20
882	1	121,494	882.0	7,027,344	1,357,966.2	\$2,689.37	\$3,313.92
883	1	121,495	883.0	7,028,227	1,357,083.2	\$2,691.73	\$3,317.64
883.9	1	121,496	883.9	7,029,111	1,356,199.3	\$2,693.86	\$3,320.99
884	2	121,498	1,768.0	7,030,879	1,354,431.3	\$5,388.19	\$6,642.73
885.4	1	121,499	885.4	7,031,765	1,353,545.9	\$2,697.41	\$3,326.57
886	1	121,500	886.0	7,032,651	1,352,659.9	\$2,698.82	\$3,328.81
886.2	3	121,503	2,658.6	7,035,309	1,350,001.3	\$8,097.89	\$9,988.65
889.9	1	121,504	889.9	7,036,199	1,349,111.4	\$2,708.04	\$3,343.32
890.1	1	121,505	890.1	7,037,089	1,348,221.3	\$2,708.52	\$3,344.06
891	1	121,506	891.0	7,037,980	1,347,330.3	\$2,710.64	\$3,347.41
892	2	121,508	1,784.0	7,039,764	1,345,546.3	\$5,426.01	\$6,702.26
894	1	121,509	894.0	7,040,658	1,344,652.3	\$2,717.73	\$3,358.57
895.6	1	121,510	895.6	7,041,554	1,343,756.7	\$2,721.52	\$3,364.53
895.8	1	121,511	895.8	7,042,450	1,342,860.9	\$2,721.99	\$3,365.27
896	1	121,512	896.0	7,043,346	1,341,964.9	\$2,722.46	\$3,366.02
897.2	1	121,513	897.2	7,044,243	1,341,067.7	\$2,725.30	\$3,370.48
897.7	1	121,514	897.7	7,045,141	1,340,170.0	\$2,726.48	\$3,372.34
898.8	1	121,515	898.8	7,046,039	1,339,271.2	\$2,729.08	\$3,376.43
902	1	121,516	902.0	7,046,941	1,338,369.2	\$2,736.65	\$3,388.34
902.7	1	121,517	902.7	7,047,844	1,337,466.5	\$2,738.30	\$3,390.95
903	2	121,519	1,806.0	7,049,650	1,335,660.5	\$5,478.02	\$6,784.13
904.2	1	121,520	904.2	7,050,554	1,334,756.3	\$2,741.85	\$3,396.53
905	1	121,521	905.0	7,051,459	1,333,851.3	\$2,743.74	\$3,399.51
905.6	1	121,522	905.6	7,052,365	1,332,945.7	\$2,745.15	\$3,401.74
906.1	1	121,523	906.1	7,053,271	1,332,039.6	\$2,746.34	\$3,403.60
907	1	121,524	907.0	7,054,178	1,331,132.6	\$2,748.46	\$3,406.95
908.1	1	121,525	908.1	7,055,086	1,330,224.5	\$2,751.06	\$3,411.04
908.7	2	121,527	1,817.4	7,056,904	1,328,407.1	\$5,504.97	\$6,826.55
909	1	121,528	909.0	7,057,813	1,327,498.1	\$2,753.19	\$3,414.39
909.3	1	121,529	909.3	7,058,722	1,326,588.8	\$2,753.90	\$3,415.51
909.7	1	121,530	909.7	7,059,632	1,325,679.1	\$2,754.85	\$3,416.99
910	1	121,531	910.0	7,060,542	1,324,769.1	\$2,755.56	\$3,418.11

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
911.5	1	121,532	911.5	7,061,453	1,323,857.6	\$2,759.10	\$3,423.69
912	1	121,533	912.0	7,062,365	1,322,945.6	\$2,760.28	\$3,425.55
912.2	1	121,534	912.2	7,063,277	1,322,033.4	\$2,760.76	\$3,426.30
914.5	1	121,535	914.5	7,064,192	1,321,118.9	\$2,766.19	\$3,434.85
914.7	1	121,536	914.7	7,065,106	1,320,204.2	\$2,766.67	\$3,435.60
916	1	121,537	916.0	7,066,022	1,319,288.2	\$2,769.74	\$3,440.44
916.6	1	121,538	916.6	7,066,939	1,318,371.6	\$2,771.16	\$3,442.67
917.6	1	121,539	917.6	7,067,857	1,317,454.0	\$2,773.52	\$3,446.39
917.9	1	121,540	917.9	7,068,775	1,316,536.1	\$2,774.23	\$3,447.51
918	1	121,541	918.0	7,069,693	1,315,618.1	\$2,774.47	\$3,447.88
919	1	121,542	919.0	7,070,612	1,314,699.1	\$2,776.83	\$3,451.60
920.3	1	121,543	920.3	7,071,532	1,313,778.8	\$2,779.90	\$3,456.44
921.3	1	121,544	921.3	7,072,453	1,312,857.5	\$2,782.27	\$3,460.16
921.6	1	121,545	921.6	7,073,375	1,311,935.9	\$2,782.98	\$3,461.27
922.7	1	121,546	922.7	7,074,297	1,311,013.2	\$2,785.58	\$3,465.37
923	4	121,550	3,692.0	7,077,989	1,307,321.2	\$11,145.14	\$13,865.93
923.6	1	121,551	923.6	7,078,913	1,306,397.6	\$2,787.70	\$3,468.72
924	1	121,552	924.0	7,079,837	1,305,473.6	\$2,788.65	\$3,470.20
925.1	1	121,553	925.1	7,080,762	1,304,548.5	\$2,791.25	\$3,474.30
926.5	2	121,555	1,853.0	7,082,615	1,302,695.5	\$5,589.12	\$6,959.01
926.8	1	121,556	926.8	7,083,542	1,301,768.7	\$2,795.27	\$3,480.62
927	2	121,558	1,854.0	7,085,396	1,299,914.7	\$5,591.48	\$6,962.73
927.1	1	121,559	927.1	7,086,323	1,298,987.6	\$2,795.98	\$3,481.74
928	1	121,560	928.0	7,087,251	1,298,059.6	\$2,798.10	\$3,485.09
928.7	1	121,561	928.7	7,088,180	1,297,130.9	\$2,799.76	\$3,487.69
929	1	121,562	929.0	7,089,109	1,296,201.9	\$2,800.47	\$3,488.81
929.6	1	121,563	929.6	7,090,038	1,295,272.3	\$2,801.89	\$3,491.04
930.9	1	121,564	930.9	7,090,969	1,294,341.4	\$2,804.96	\$3,495.88
931	1	121,565	931.0	7,091,900	1,293,410.4	\$2,805.20	\$3,496.25
932	1	121,566	932.0	7,092,832	1,292,478.4	\$2,807.56	\$3,499.97
932.4	1	121,567	932.4	7,093,765	1,291,546.0	\$2,808.50	\$3,501.46
933.4	1	121,568	933.4	7,094,698	1,290,612.6	\$2,810.87	\$3,505.18
933.7	2	121,570	1,867.4	7,096,565	1,288,745.2	\$5,623.16	\$7,012.60
934	4	121,574	3,736.0	7,100,301	1,285,009.2	\$11,249.15	\$14,029.66
934.1	1	121,575	934.1	7,101,236	1,284,075.1	\$2,812.52	\$3,507.79
935.5	1	121,576	935.5	7,102,171	1,283,139.6	\$2,815.83	\$3,513.00
936	1	121,577	936.0	7,103,107	1,282,203.6	\$2,817.01	\$3,514.86
936.8	1	121,578	936.8	7,104,044	1,281,266.8	\$2,818.91	\$3,517.83
937	2	121,580	1,874.0	7,105,918	1,279,392.8	\$5,638.76	\$7,037.15
939.5	1	121,581	939.5	7,106,857	1,278,453.3	\$2,825.29	\$3,527.88
940	1	121,582	940.0	7,107,797	1,277,513.3	\$2,826.47	\$3,529.74
940.6	1	121,583	940.6	7,108,738	1,276,572.7	\$2,827.89	\$3,531.97
941	1	121,584	941.0	7,109,679	1,275,631.7	\$2,828.83	\$3,533.46
941.4	1	121,585	941.4	7,110,620	1,274,690.3	\$2,829.78	\$3,534.95
941.6	1	121,586	941.6	7,111,562	1,273,748.7	\$2,830.25	\$3,535.69
941.7	1	121,587	941.7	7,112,504	1,272,807.0	\$2,830.49	\$3,536.07
941.8	1	121,588	941.8	7,113,445	1,271,865.2	\$2,830.72	\$3,536.44
941.9	1	121,589	941.9	7,114,387	1,270,923.3	\$2,830.96	\$3,536.81
944	1	121,590	944.0	7,115,331	1,269,979.3	\$2,835.92	\$3,544.62



**RATE SCHEDULE NT (Commerical/Industrial - Choice)****Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
944.1	1	121,591	944.1	7,116,275	1,269,035.2	\$2,836.16	\$3,545.00
945	2	121,593	1,890.0	7,118,165	1,267,145.2	\$5,676.58	\$7,096.69
946.6	1	121,594	946.6	7,119,112	1,266,198.6	\$2,842.07	\$3,554.30
947.3	1	121,595	947.3	7,120,059	1,265,251.3	\$2,843.73	\$3,556.90
952	1	121,596	952.0	7,121,011	1,264,299.3	\$2,854.84	\$3,574.39
952.1	1	121,597	952.1	7,121,963	1,263,347.2	\$2,855.07	\$3,574.76
952.4	1	121,598	952.4	7,122,916	1,262,394.8	\$2,855.78	\$3,575.88
952.7	4	121,602	3,810.8	7,126,727	1,258,584.0	\$11,425.96	\$14,307.99
953.8	1	121,603	953.8	7,127,680	1,257,630.2	\$2,859.09	\$3,581.09
954	1	121,604	954.0	7,128,634	1,256,676.2	\$2,859.56	\$3,581.83
955.9	1	121,605	955.9	7,129,590	1,255,720.3	\$2,864.05	\$3,588.90
956	1	121,606	956.0	7,130,546	1,254,764.3	\$2,864.29	\$3,589.28
957	3	121,609	2,871.0	7,133,417	1,251,893.3	\$8,599.96	\$10,778.99
958.5	1	121,610	958.5	7,134,376	1,250,934.8	\$2,870.20	\$3,598.58
960.7	1	121,611	960.7	7,135,337	1,249,974.1	\$2,875.40	\$3,606.76
961	1	121,612	961.0	7,136,298	1,249,013.1	\$2,876.11	\$3,607.88
961.5	1	121,613	961.5	7,137,259	1,248,051.6	\$2,877.29	\$3,609.74
962	1	121,614	962.0	7,138,221	1,247,089.6	\$2,878.47	\$3,611.60
962.1	2	121,616	1,924.2	7,140,145	1,245,165.4	\$5,757.42	\$7,223.95
962.7	1	121,617	962.7	7,141,108	1,244,202.7	\$2,880.13	\$3,614.21
963	2	121,619	1,926.0	7,143,034	1,242,276.7	\$5,761.67	\$7,230.65
965	1	121,620	965.0	7,143,999	1,241,311.7	\$2,885.56	\$3,622.77
967.6	1	121,621	967.6	7,144,967	1,240,344.1	\$2,891.71	\$3,632.44
968	3	121,624	2,904.0	7,147,871	1,237,440.1	\$8,677.97	\$10,901.78
970.4	1	121,625	970.4	7,148,841	1,236,469.7	\$2,898.33	\$3,642.86
970.8	1	121,626	970.8	7,149,812	1,235,498.9	\$2,899.27	\$3,644.35
972.1	1	121,627	972.1	7,150,784	1,234,526.8	\$2,902.35	\$3,649.18
972.5	1	121,628	972.5	7,151,756	1,233,554.3	\$2,903.29	\$3,650.67
973.3	1	121,629	973.3	7,152,730	1,232,581.0	\$2,905.18	\$3,653.65
973.7	1	121,630	973.7	7,153,703	1,231,607.3	\$2,906.13	\$3,655.14
974.8	1	121,631	974.8	7,154,678	1,230,632.5	\$2,908.73	\$3,659.23
975.1	1	121,632	975.1	7,155,653	1,229,657.4	\$2,909.44	\$3,660.35
977	2	121,634	1,954.0	7,157,607	1,227,703.4	\$5,827.86	\$7,334.83
977.1	1	121,635	977.1	7,158,584	1,226,726.3	\$2,914.17	\$3,667.79
980	1	121,636	980.0	7,159,564	1,225,746.3	\$2,921.02	\$3,678.58
981	2	121,638	1,962.0	7,161,526	1,223,784.3	\$5,846.77	\$7,364.60
982	1	121,639	982.0	7,162,508	1,222,802.3	\$2,925.75	\$3,686.02
982.8	1	121,640	982.8	7,163,491	1,221,819.5	\$2,927.64	\$3,689.00
983.9	2	121,642	1,967.8	7,165,459	1,219,851.7	\$5,860.48	\$7,386.18
984.8	1	121,643	984.8	7,166,444	1,218,866.9	\$2,932.37	\$3,696.44
985.5	1	121,644	985.5	7,167,429	1,217,881.4	\$2,934.02	\$3,699.05
986.8	1	121,645	986.8	7,168,416	1,216,894.6	\$2,937.10	\$3,703.88
987.2	2	121,647	1,974.4	7,170,390	1,214,920.2	\$5,876.08	\$7,410.74
988	1	121,648	988.0	7,171,378	1,213,932.2	\$2,939.93	\$3,708.35
988.3	1	121,649	988.3	7,172,367	1,212,943.9	\$2,940.64	\$3,709.46
989	2	121,651	1,978.0	7,174,345	1,210,965.9	\$5,884.59	\$7,424.14
990	2	121,653	1,980.0	7,176,325	1,208,985.9	\$5,889.32	\$7,431.58
992	1	121,654	992.0	7,177,317	1,207,993.9	\$2,949.39	\$3,723.23
993	2	121,656	1,986.0	7,179,303	1,206,007.9	\$5,903.50	\$7,453.91

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
993.4	1	121,657	993.4	7,180,296	1,205,014.5	\$2,952.70	\$3,728.44
994	4	121,661	3,976.0	7,184,272	1,201,038.5	\$11,816.46	\$14,922.70
995.3	1	121,662	995.3	7,185,267	1,200,043.2	\$2,957.19	\$3,735.51
996	1	121,663	996.0	7,186,263	1,199,047.2	\$2,958.84	\$3,738.12
996.9	1	121,664	996.9	7,187,260	1,198,050.3	\$2,960.97	\$3,741.46
998	2	121,666	1,996.0	7,189,256	1,196,054.3	\$5,927.14	\$7,491.12
998.1	1	121,667	998.1	7,190,254	1,195,056.2	\$2,963.81	\$3,745.93
1000	1	121,668	1,000.0	7,191,254	1,194,056.2	\$2,968.30	\$3,753.00
1000.4	1	121,669	1,000.4	7,192,255	1,193,055.8	\$2,969.24	\$3,754.49
1000.6	1	121,670	1,000.6	7,193,255	1,192,055.2	\$2,969.72	\$3,755.23
1000.8	1	121,671	1,000.8	7,194,256	1,191,054.4	\$2,970.19	\$3,755.98
1001.1	1	121,672	1,001.1	7,195,257	1,190,053.3	\$2,970.90	\$3,757.09
1001.2	1	121,673	1,001.2	7,196,259	1,189,052.1	\$2,971.13	\$3,757.47
1002	1	121,674	1,002.0	7,197,261	1,188,050.1	\$2,973.03	\$3,760.44
1004	1	121,675	1,004.0	7,198,265	1,187,046.1	\$2,977.75	\$3,767.88
1004.1	1	121,676	1,004.1	7,199,269	1,186,042.0	\$2,977.99	\$3,768.26
1006	1	121,677	1,006.0	7,200,275	1,185,036.0	\$2,982.48	\$3,775.33
1006.4	1	121,678	1,006.4	7,201,281	1,184,029.6	\$2,983.43	\$3,776.81
1007.6	2	121,680	2,015.2	7,203,296	1,182,014.4	\$5,972.52	\$7,562.56
1008	1	121,681	1,008.0	7,204,304	1,181,006.4	\$2,987.21	\$3,782.77
1008.8	1	121,682	1,008.8	7,205,313	1,179,997.6	\$2,989.10	\$3,785.74
1009.2	1	121,683	1,009.2	7,206,322	1,178,988.4	\$2,990.04	\$3,787.23
1010	1	121,684	1,010.0	7,207,332	1,177,978.4	\$2,991.94	\$3,790.21
1010.3	1	121,685	1,010.3	7,208,343	1,176,968.1	\$2,992.64	\$3,791.33
1011.4	1	121,686	1,011.4	7,209,354	1,175,956.7	\$2,995.24	\$3,795.42
1012	1	121,687	1,012.0	7,210,366	1,174,944.7	\$2,996.66	\$3,797.65
1013.2	1	121,688	1,013.2	7,211,379	1,173,931.5	\$2,999.50	\$3,802.12
1014.3	1	121,689	1,014.3	7,212,393	1,172,917.2	\$3,002.10	\$3,806.21
1016.3	1	121,690	1,016.3	7,213,410	1,171,900.9	\$3,006.83	\$3,813.65
1018.9	1	121,691	1,018.9	7,214,429	1,170,882.0	\$3,012.97	\$3,823.33
1022.4	1	121,692	1,022.4	7,215,451	1,169,859.6	\$3,021.25	\$3,836.35
1023	2	121,694	2,046.0	7,217,497	1,167,813.6	\$6,045.33	\$7,677.17
1025.3	1	121,695	1,025.3	7,218,522	1,166,788.3	\$3,028.10	\$3,847.14
1025.4	1	121,696	1,025.4	7,219,548	1,165,762.9	\$3,028.34	\$3,847.51
1028.6	1	121,697	1,028.6	7,220,576	1,164,734.3	\$3,035.90	\$3,859.42
1030	2	121,699	2,060.0	7,222,636	1,162,674.3	\$6,078.42	\$7,729.26
1030.6	2	121,701	2,061.2	7,224,698	1,160,613.1	\$6,081.26	\$7,733.73
1030.9	1	121,702	1,030.9	7,225,728	1,159,582.2	\$3,041.34	\$3,867.98
1031	2	121,704	2,062.0	7,227,790	1,157,520.2	\$6,083.15	\$7,736.70
1031.3	1	121,705	1,031.3	7,228,822	1,156,488.9	\$3,042.28	\$3,869.47
1032.3	1	121,706	1,032.3	7,229,854	1,155,456.6	\$3,044.65	\$3,873.19
1036.4	2	121,708	2,072.8	7,231,927	1,153,383.8	\$6,108.68	\$7,776.89
1037	1	121,709	1,037.0	7,232,964	1,152,346.8	\$3,055.76	\$3,890.68
1037.9	1	121,710	1,037.9	7,234,002	1,151,308.9	\$3,057.89	\$3,894.03
1039.2	2	121,712	2,078.4	7,236,080	1,149,230.5	\$6,121.92	\$7,797.73
1039.9	1	121,713	1,039.9	7,237,120	1,148,190.6	\$3,062.61	\$3,901.47
1040	3	121,716	3,120.0	7,240,240	1,145,070.6	\$9,188.55	\$11,705.52
1041.3	1	121,717	1,041.3	7,241,281	1,144,029.3	\$3,065.92	\$3,906.68
1043	2	121,719	2,086.0	7,243,367	1,141,943.3	\$6,139.88	\$7,826.01

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
1044.3	1	121,720	1,044.3	7,244,412	1,140,899.0	\$3,073.01	\$3,917.84
1047	3	121,723	3,141.0	7,247,553	1,137,758.0	\$9,238.19	\$11,783.66
1048	2	121,725	2,096.0	7,249,649	1,135,662.0	\$6,163.52	\$7,863.22
1048.7	1	121,726	1,048.7	7,250,697	1,134,613.3	\$3,083.41	\$3,934.21
1049.6	1	121,727	1,049.6	7,251,747	1,133,563.7	\$3,085.54	\$3,937.56
1049.9	1	121,728	1,049.9	7,252,797	1,132,513.8	\$3,086.25	\$3,938.68
1053	1	121,729	1,053.0	7,253,850	1,131,460.8	\$3,093.58	\$3,950.21
1053.7	1	121,730	1,053.7	7,254,904	1,130,407.1	\$3,095.23	\$3,952.82
1055	1	121,731	1,055.0	7,255,959	1,129,352.1	\$3,098.31	\$3,957.66
1055.7	1	121,732	1,055.7	7,257,014	1,128,296.4	\$3,099.96	\$3,960.26
1056	1	121,733	1,056.0	7,258,070	1,127,240.4	\$3,100.67	\$3,961.38
1056.8	1	121,734	1,056.8	7,259,127	1,126,183.6	\$3,102.56	\$3,964.35
1057	1	121,735	1,057.0	7,260,184	1,125,126.6	\$3,103.03	\$3,965.10
1058	2	121,737	2,116.0	7,262,300	1,123,010.6	\$6,210.80	\$7,937.64
1059	2	121,739	2,118.0	7,264,418	1,120,892.6	\$6,215.52	\$7,945.08
1060.8	1	121,740	1,060.8	7,265,479	1,119,831.8	\$3,112.02	\$3,979.24
1062	1	121,741	1,062.0	7,266,541	1,118,769.8	\$3,114.85	\$3,983.70
1063	1	121,742	1,063.0	7,267,604	1,117,706.8	\$3,117.22	\$3,987.42
1063.5	1	121,743	1,063.5	7,268,667	1,116,643.3	\$3,118.40	\$3,989.28
1065	1	121,744	1,065.0	7,269,732	1,115,578.3	\$3,121.94	\$3,994.87
1066	1	121,745	1,066.0	7,270,798	1,114,512.3	\$3,124.31	\$3,998.59
1066.4	1	121,746	1,066.4	7,271,865	1,113,445.9	\$3,125.25	\$4,000.07
1066.5	2	121,748	2,133.0	7,273,998	1,111,312.9	\$6,250.98	\$8,000.89
1067.1	1	121,749	1,067.1	7,275,065	1,110,245.8	\$3,126.91	\$4,002.68
1069	1	121,750	1,069.0	7,276,134	1,109,176.8	\$3,131.40	\$4,009.75
1069.4	1	121,751	1,069.4	7,277,203	1,108,107.4	\$3,132.35	\$4,011.24
1071.1	1	121,752	1,071.1	7,278,274	1,107,036.3	\$3,136.36	\$4,017.56
1072	2	121,754	2,144.0	7,280,418	1,104,892.3	\$6,276.98	\$8,041.82
1075.1	1	121,755	1,075.1	7,281,493	1,103,817.2	\$3,145.82	\$4,032.45
1075.7	1	121,756	1,075.7	7,282,569	1,102,741.5	\$3,147.24	\$4,034.68
1076	1	121,757	1,076.0	7,283,645	1,101,665.5	\$3,147.95	\$4,035.80
1077	2	121,759	2,154.0	7,285,799	1,099,511.5	\$6,300.62	\$8,079.03
1077.8	1	121,760	1,077.8	7,286,877	1,098,433.7	\$3,152.20	\$4,042.49
1078	1	121,761	1,078.0	7,287,955	1,097,355.7	\$3,152.67	\$4,043.24
1080.7	2	121,763	2,161.4	7,290,116	1,095,194.3	\$6,318.11	\$8,106.57
1081.2	1	121,764	1,081.2	7,291,198	1,094,113.1	\$3,160.24	\$4,055.15
1084.8	1	121,765	1,084.8	7,292,282	1,093,028.3	\$3,168.75	\$4,068.54
1087	1	121,766	1,087.0	7,293,369	1,091,941.3	\$3,173.95	\$4,076.73
1088.3	1	121,767	1,088.3	7,294,458	1,090,853.0	\$3,177.02	\$4,081.56
1088.7	1	121,768	1,088.7	7,295,546	1,089,764.3	\$3,177.97	\$4,083.05
1089.1	1	121,769	1,089.1	7,296,635	1,088,675.2	\$3,178.91	\$4,084.54
1089.4	1	121,770	1,089.4	7,297,725	1,087,585.8	\$3,179.62	\$4,085.66
1089.7	1	121,771	1,089.7	7,298,815	1,086,496.1	\$3,180.33	\$4,086.77
1090.3	1	121,772	1,090.3	7,299,905	1,085,405.8	\$3,181.75	\$4,089.01
1091	1	121,773	1,091.0	7,300,996	1,084,314.8	\$3,183.40	\$4,091.61
1091.6	1	121,774	1,091.6	7,302,087	1,083,223.2	\$3,184.82	\$4,093.84
1093	1	121,775	1,093.0	7,303,180	1,082,130.2	\$3,188.13	\$4,099.05
1094	1	121,776	1,094.0	7,304,274	1,081,036.2	\$3,190.49	\$4,102.77
1096	2	121,778	2,192.0	7,306,466	1,078,844.2	\$6,390.44	\$8,220.43

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
1098	1	121,779	1,098.0	7,307,564	1,077,746.2	\$3,199.95	\$4,117.66
1099.4	1	121,780	1,099.4	7,308,664	1,076,646.8	\$3,203.26	\$4,122.87
1102.1	1	121,781	1,102.1	7,309,766	1,075,544.7	\$3,209.64	\$4,132.91
1102.4	1	121,782	1,102.4	7,310,868	1,074,442.3	\$3,210.35	\$4,134.03
1103.3	1	121,783	1,103.3	7,311,972	1,073,339.0	\$3,212.48	\$4,137.38
1104	1	121,784	1,104.0	7,313,076	1,072,235.0	\$3,214.13	\$4,139.98
1105	1	121,785	1,105.0	7,314,181	1,071,130.0	\$3,216.50	\$4,143.71
1107.3	1	121,786	1,107.3	7,315,288	1,070,022.7	\$3,221.93	\$4,152.26
1107.6	1	121,787	1,107.6	7,316,396	1,068,915.1	\$3,222.64	\$4,153.38
1108	1	121,788	1,108.0	7,317,504	1,067,807.1	\$3,223.59	\$4,154.87
1111.3	1	121,789	1,111.3	7,318,615	1,066,695.8	\$3,231.39	\$4,167.15
1112	1	121,790	1,112.0	7,319,727	1,065,583.8	\$3,233.04	\$4,169.75
1114	1	121,791	1,114.0	7,320,841	1,064,469.8	\$3,237.77	\$4,177.19
1114.3	1	121,792	1,114.3	7,321,955	1,063,355.5	\$3,238.48	\$4,178.31
1116.1	1	121,793	1,116.1	7,323,071	1,062,239.4	\$3,242.73	\$4,185.01
1117.7	3	121,796	3,353.1	7,326,424	1,058,886.3	\$9,739.55	\$12,572.89
1118.6	1	121,797	1,118.6	7,327,543	1,057,767.7	\$3,248.64	\$4,194.31
1119.8	1	121,798	1,119.8	7,328,663	1,056,647.9	\$3,251.48	\$4,198.78
1120	1	121,799	1,120.0	7,329,783	1,055,527.9	\$3,251.95	\$4,199.52
1120.2	1	121,800	1,120.2	7,330,903	1,054,407.7	\$3,252.43	\$4,200.26
1122.4	1	121,801	1,122.4	7,332,025	1,053,285.3	\$3,257.63	\$4,208.45
1125	1	121,802	1,125.0	7,333,150	1,052,160.3	\$3,263.77	\$4,218.13
1126	1	121,803	1,126.0	7,334,276	1,051,034.3	\$3,266.14	\$4,221.85
1127	1	121,804	1,127.0	7,335,403	1,049,907.3	\$3,268.50	\$4,225.57
1127.9	1	121,805	1,127.9	7,336,531	1,048,779.4	\$3,270.63	\$4,228.92
1130.2	1	121,806	1,130.2	7,337,661	1,047,649.2	\$3,276.06	\$4,237.47
1131	1	121,807	1,131.0	7,338,792	1,046,518.2	\$3,277.96	\$4,240.45
1133.5	1	121,808	1,133.5	7,339,926	1,045,384.7	\$3,283.86	\$4,249.75
1134.5	1	121,809	1,134.5	7,341,060	1,044,250.2	\$3,286.23	\$4,253.47
1135.9	1	121,810	1,135.9	7,342,196	1,043,114.3	\$3,289.54	\$4,258.68
1136	1	121,811	1,136.0	7,343,332	1,041,978.3	\$3,289.77	\$4,259.06
1138.2	1	121,812	1,138.2	7,344,471	1,040,840.1	\$3,294.97	\$4,267.24
1138.3	1	121,813	1,138.3	7,345,609	1,039,701.8	\$3,295.21	\$4,267.61
1138.8	1	121,814	1,138.8	7,346,748	1,038,563.0	\$3,296.39	\$4,269.47
1139	1	121,815	1,139.0	7,347,887	1,037,424.0	\$3,296.87	\$4,270.22
1141.2	1	121,816	1,141.2	7,349,028	1,036,282.8	\$3,302.07	\$4,278.41
1141.4	1	121,817	1,141.4	7,350,169	1,035,141.4	\$3,302.54	\$4,279.15
1142	4	121,821	4,568.0	7,354,737	1,030,573.4	\$13,215.83	\$17,125.53
1144	1	121,822	1,144.0	7,355,881	1,029,429.4	\$3,308.68	\$4,288.82
1146.1	1	121,823	1,146.1	7,357,027	1,028,283.3	\$3,313.65	\$4,296.64
1146.2	1	121,824	1,146.2	7,358,174	1,027,137.1	\$3,313.89	\$4,297.01
1147.7	1	121,825	1,147.7	7,359,321	1,025,989.4	\$3,317.43	\$4,302.59
1149	2	121,827	2,298.0	7,361,619	1,023,691.4	\$6,641.01	\$8,614.86
1150	2	121,829	2,300.0	7,363,919	1,021,391.4	\$6,645.74	\$8,622.30
1151.7	1	121,830	1,151.7	7,365,071	1,020,239.7	\$3,326.89	\$4,317.48
1152.8	1	121,831	1,152.8	7,366,224	1,019,086.9	\$3,329.49	\$4,321.57
1153	1	121,832	1,153.0	7,367,377	1,017,933.9	\$3,329.96	\$4,322.31
1156	1	121,833	1,156.0	7,368,533	1,016,777.9	\$3,337.05	\$4,333.48
1156.3	1	121,834	1,156.3	7,369,689	1,015,621.6	\$3,337.76	\$4,334.59

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
1158	1	121,835	1,158.0	7,370,847	1,014,463.6	\$3,341.78	\$4,340.92
1161	1	121,836	1,161.0	7,372,008	1,013,302.6	\$3,348.87	\$4,352.08
1163	1	121,837	1,163.0	7,373,171	1,012,139.6	\$3,353.60	\$4,359.52
1163.1	1	121,838	1,163.1	7,374,334	1,010,976.5	\$3,353.83	\$4,359.90
1163.5	1	121,839	1,163.5	7,375,498	1,009,813.0	\$3,354.78	\$4,361.38
1164	1	121,840	1,164.0	7,376,662	1,008,649.0	\$3,355.96	\$4,363.24
1167	1	121,841	1,167.0	7,377,829	1,007,482.0	\$3,363.05	\$4,374.41
1168.4	1	121,842	1,168.4	7,378,997	1,006,313.6	\$3,366.36	\$4,379.62
1168.9	1	121,843	1,168.9	7,380,166	1,005,144.7	\$3,367.54	\$4,381.48
1169.1	1	121,844	1,169.1	7,381,335	1,003,975.6	\$3,368.02	\$4,382.22
1171	2	121,846	2,342.0	7,383,677	1,001,633.6	\$6,745.01	\$8,778.58
1174.8	1	121,847	1,174.8	7,384,852	1,000,458.8	\$3,381.49	\$4,403.43
1176	1	121,848	1,176.0	7,386,028	999,282.8	\$3,384.33	\$4,407.90
1176.7	1	121,849	1,176.7	7,387,205	998,106.1	\$3,385.98	\$4,410.50
1177.4	1	121,850	1,177.4	7,388,382	996,928.7	\$3,387.64	\$4,413.11
1180	1	121,851	1,180.0	7,389,562	995,748.7	\$3,393.78	\$4,422.78
1183.2	1	121,852	1,183.2	7,390,745	994,565.5	\$3,401.35	\$4,434.69
1184.5	1	121,853	1,184.5	7,391,930	993,381.0	\$3,404.42	\$4,439.52
1185.2	1	121,854	1,185.2	7,393,115	992,195.8	\$3,406.07	\$4,442.13
1186.2	1	121,855	1,186.2	7,394,301	991,009.6	\$3,408.44	\$4,445.85
1188	1	121,856	1,188.0	7,395,489	989,821.6	\$3,412.69	\$4,452.55
1189	1	121,857	1,189.0	7,396,678	988,632.6	\$3,415.06	\$4,456.27
1190	1	121,858	1,190.0	7,397,868	987,442.6	\$3,417.42	\$4,459.99
1193	1	121,859	1,193.0	7,399,061	986,249.6	\$3,424.51	\$4,471.15
1195	1	121,860	1,195.0	7,400,256	985,054.6	\$3,429.24	\$4,478.60
1195.2	1	121,861	1,195.2	7,401,451	983,859.4	\$3,429.71	\$4,479.34
1196.9	1	121,862	1,196.9	7,402,648	982,662.5	\$3,433.73	\$4,485.66
1197.2	1	121,863	1,197.2	7,403,845	981,465.3	\$3,434.44	\$4,486.78
1197.3	1	121,864	1,197.3	7,405,043	980,268.0	\$3,434.68	\$4,487.15
1199.8	1	121,865	1,199.8	7,406,242	979,068.2	\$3,440.58	\$4,496.46
1200.6	1	121,866	1,200.6	7,407,443	977,867.6	\$3,442.48	\$4,499.43
1201.1	1	121,867	1,201.1	7,408,644	976,666.5	\$3,443.66	\$4,501.29
1201.7	1	121,868	1,201.7	7,409,846	975,464.8	\$3,445.08	\$4,503.53
1202.6	1	121,869	1,202.6	7,411,048	974,262.2	\$3,447.20	\$4,506.87
1203	1	121,870	1,203.0	7,412,251	973,059.2	\$3,448.15	\$4,508.36
1205	1	121,871	1,205.0	7,413,456	971,854.2	\$3,452.88	\$4,515.81
1206.3	1	121,872	1,206.3	7,414,663	970,647.9	\$3,455.95	\$4,520.64
1206.8	1	121,873	1,206.8	7,415,870	969,441.1	\$3,457.13	\$4,522.50
1207.2	1	121,874	1,207.2	7,417,077	968,233.9	\$3,458.08	\$4,523.99
1208.1	1	121,875	1,208.1	7,418,285	967,025.8	\$3,460.20	\$4,527.34
1209	1	121,876	1,209.0	7,419,494	965,816.8	\$3,462.33	\$4,530.69
1210	2	121,878	2,420.0	7,421,914	963,396.8	\$6,929.39	\$9,068.82
1210.3	1	121,879	1,210.3	7,423,124	962,186.5	\$3,465.40	\$4,535.53
1211.7	1	121,880	1,211.7	7,424,336	960,974.8	\$3,468.71	\$4,540.74
1211.8	1	121,881	1,211.8	7,425,548	959,763.0	\$3,468.95	\$4,541.11
1212	1	121,882	1,212.0	7,426,760	958,551.0	\$3,469.42	\$4,541.85
1213.9	1	121,883	1,213.9	7,427,974	957,337.1	\$3,473.91	\$4,548.92
1214.1	1	121,884	1,214.1	7,429,188	956,123.0	\$3,474.39	\$4,549.67
1216.7	1	121,885	1,216.7	7,430,404	954,906.3	\$3,480.53	\$4,559.34

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
1217.4	1	121,886	1,217.4	7,431,622	953688.9	\$3,482.19	\$4,561.95
1218.2	1	121,887	1,218.2	7,432,840	952470.7	\$3,484.08	\$4,564.92
1219.4	1	121,888	1,219.4	7,434,059	951251.3	\$3,486.92	\$4,569.39
1219.8	1	121,889	1,219.8	7,435,279	950031.5	\$3,487.86	\$4,570.88
1221.6	2	121,891	2,443.2	7,437,722	947588.3	\$6,984.23	\$9,155.15
1222	2	121,893	2,444.0	7,440,166	945144.3	\$6,986.12	\$9,158.12
1223	1	121,894	1,223.0	7,441,389	943921.3	\$3,495.42	\$4,582.78
1223.6	1	121,895	1,223.6	7,442,613	942697.7	\$3,496.84	\$4,585.02
1225	1	121,896	1,225.0	7,443,838	941472.7	\$3,500.15	\$4,590.23
1225.9	1	121,897	1,225.9	7,445,064	940246.8	\$3,502.28	\$4,593.57
1227	1	121,898	1,227.0	7,446,291	939019.8	\$3,504.88	\$4,597.67
1230.1	1	121,899	1,230.1	7,447,521	937789.7	\$3,512.21	\$4,609.20
1232	1	121,900	1,232.0	7,448,753	936557.7	\$3,516.70	\$4,616.27
1232.7	5	121,905	6,163.5	7,454,916	930394.2	\$17,591.77	\$23,094.38
1233.8	1	121,906	1,233.8	7,456,150	929160.4	\$3,520.95	\$4,622.97
1234.3	1	121,907	1,234.3	7,457,385	927926.1	\$3,522.14	\$4,624.83
1234.8	1	121,908	1,234.8	7,458,619	926691.3	\$3,523.32	\$4,626.69
1236	2	121,910	2,472.0	7,461,091	924219.3	\$7,052.31	\$9,262.31
1237.7	1	121,911	1,237.7	7,462,329	922981.6	\$3,530.17	\$4,637.48
1238	2	121,913	2,476.0	7,464,805	920505.6	\$7,061.76	\$9,277.20
1239	1	121,914	1,239.0	7,466,044	919266.6	\$3,533.25	\$4,642.32
1240	1	121,915	1,240.0	7,467,284	918026.6	\$3,535.61	\$4,646.04
1242	1	121,916	1,242.0	7,468,526	916784.6	\$3,540.34	\$4,653.48
1243	1	121,917	1,243.0	7,469,769	915541.6	\$3,542.70	\$4,657.20
1244.3	1	121,918	1,244.3	7,471,013	914297.3	\$3,545.77	\$4,662.04
1246	2	121,920	2,492.0	7,473,505	911805.3	\$7,099.58	\$9,336.73
1248	1	121,921	1,248.0	7,474,753	910557.3	\$3,554.52	\$4,675.81
1248.1	1	121,922	1,248.1	7,476,001	909309.2	\$3,554.76	\$4,676.18
1249.8	1	121,923	1,249.8	7,477,251	908059.4	\$3,558.77	\$4,682.51
1251	3	121,926	3,753.0	7,481,004	904306.4	\$10,684.83	\$14,060.91
1251.3	1	121,927	1,251.3	7,482,256	903055.1	\$3,562.32	\$4,688.09
1253.1	1	121,928	1,253.1	7,483,509	901802.0	\$3,566.58	\$4,694.79
1257.8	1	121,929	1,257.8	7,484,766	900544.2	\$3,577.69	\$4,712.27
1258	1	121,930	1,258.0	7,486,024	899286.2	\$3,578.16	\$4,713.02
1260	1	121,931	1,260.0	7,487,284	898026.2	\$3,582.89	\$4,720.46
1262.3	1	121,932	1,262.3	7,488,547	896763.9	\$3,588.32	\$4,729.02
1263.1	1	121,933	1,263.1	7,489,810	895500.8	\$3,590.21	\$4,732.00
1263.8	1	121,934	1,263.8	7,491,074	894237.0	\$3,591.87	\$4,734.60
1264	1	121,935	1,264.0	7,492,338	892973.0	\$3,592.34	\$4,735.34
1265	1	121,936	1,265.0	7,493,603	891708.0	\$3,594.70	\$4,739.07
1269	1	121,937	1,269.0	7,494,872	890439.0	\$3,604.16	\$4,753.95
1270	1	121,938	1,270.0	7,496,142	889169.0	\$3,606.52	\$4,757.67
1271.3	1	121,939	1,271.3	7,497,413	887897.7	\$3,609.60	\$4,762.51
1274.2	1	121,940	1,274.2	7,498,687	886623.5	\$3,616.45	\$4,773.30
1276	1	121,941	1,276.0	7,499,963	885347.5	\$3,620.71	\$4,780.00
1276.1	1	121,942	1,276.1	7,501,239	884071.4	\$3,620.94	\$4,780.37
1279.2	3	121,945	3,837.6	7,505,077	880233.8	\$10,884.81	\$14,375.71
1280.7	1	121,946	1,280.7	7,506,357	878953.1	\$3,631.82	\$4,797.48
1283	1	121,947	1,283.0	7,507,640	877670.1	\$3,637.25	\$4,806.04

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
1284	1	121,948	1,284.0	7,508,924	876386.1	\$3,639.62	\$4,809.76
1285.8	1	121,949	1,285.8	7,510,210	875100.3	\$3,643.87	\$4,816.46
1285.9	1	121,950	1,285.9	7,511,496	873814.4	\$3,644.11	\$4,816.83
1286	1	121,951	1,286.0	7,512,782	872528.4	\$3,644.34	\$4,817.21
1288.1	1	121,952	1,288.1	7,514,070	871240.3	\$3,649.31	\$4,825.02
1290	1	121,953	1,290.0	7,515,360	869950.3	\$3,653.80	\$4,832.09
1292.5	1	121,954	1,292.5	7,516,653	868657.8	\$3,659.71	\$4,841.39
1293.2	1	121,955	1,293.2	7,517,946	867364.6	\$3,661.36	\$4,844.00
1295.5	1	121,956	1,295.5	7,519,241	866069.1	\$3,666.80	\$4,852.56
1295.6	1	121,957	1,295.6	7,520,537	864773.5	\$3,667.04	\$4,852.93
1296	2	121,959	2,592.0	7,523,129	862181.5	\$7,335.96	\$9,708.83
1298.6	1	121,960	1,298.6	7,524,428	860882.9	\$3,674.13	\$4,864.09
1300	2	121,962	2,600.0	7,527,028	858282.9	\$7,354.88	\$9,738.60
1300.9	1	121,963	1,300.9	7,528,329	856982.0	\$3,679.56	\$4,872.65
1301	1	121,964	1,301.0	7,529,630	855681.0	\$3,679.80	\$4,873.02
1302	1	121,965	1,302.0	7,530,932	854379.0	\$3,682.17	\$4,876.74
1303	1	121,966	1,303.0	7,532,235	853076.0	\$3,684.53	\$4,880.46
1306	1	121,967	1,306.0	7,533,541	851770.0	\$3,691.62	\$4,891.63
1307.6	1	121,968	1,307.6	7,534,848	850462.4	\$3,695.40	\$4,897.58
1310	1	121,969	1,310.0	7,536,158	849152.4	\$3,701.08	\$4,906.51
1310.5	1	121,970	1,310.5	7,537,469	847841.9	\$3,702.26	\$4,908.37
1312	2	121,972	2,624.0	7,540,093	845217.9	\$7,411.61	\$9,827.90
1313.9	1	121,973	1,313.9	7,541,407	843904.0	\$3,710.29	\$4,921.02
1314	1	121,974	1,314.0	7,542,721	842590.0	\$3,710.53	\$4,921.39
1316.1	1	121,975	1,316.1	7,544,037	841273.9	\$3,715.49	\$4,929.21
1317	1	121,976	1,317.0	7,545,354	839956.9	\$3,717.62	\$4,932.56
1319	1	121,977	1,319.0	7,546,673	838637.9	\$3,722.35	\$4,940.00
1322.8	1	121,978	1,322.8	7,547,995	837315.1	\$3,731.33	\$4,954.14
1324.4	1	121,979	1,324.4	7,549,320	835990.7	\$3,735.11	\$4,960.09
1324.8	1	121,980	1,324.8	7,550,645	834665.9	\$3,736.06	\$4,961.58
1329.4	1	121,981	1,329.4	7,551,974	833336.5	\$3,746.93	\$4,978.70
1331.1	1	121,982	1,331.1	7,553,305	832005.4	\$3,750.95	\$4,985.02
1333.1	1	121,983	1,333.1	7,554,638	830672.3	\$3,755.68	\$4,992.47
1334.1	1	121,984	1,334.1	7,555,972	829338.2	\$3,758.04	\$4,996.19
1337.1	1	121,985	1,337.1	7,557,309	828001.1	\$3,765.13	\$5,007.35
1338.5	1	121,986	1,338.5	7,558,648	826662.6	\$3,768.44	\$5,012.56
1340.6	1	121,987	1,340.6	7,559,989	825322.0	\$3,773.41	\$5,020.37
1341	1	121,988	1,341.0	7,561,330	823981.0	\$3,774.35	\$5,021.86
1342	1	121,989	1,342.0	7,562,672	822639.0	\$3,776.72	\$5,025.58
1348.5	1	121,990	1,348.5	7,564,020	821290.5	\$3,792.08	\$5,049.77
1349	1	121,991	1,349.0	7,565,369	819941.5	\$3,793.26	\$5,051.63
1350.8	1	121,992	1,350.8	7,566,720	818590.7	\$3,797.52	\$5,058.33
1353	1	121,993	1,353.0	7,568,073	817237.7	\$3,802.72	\$5,066.51
1354.5	1	121,994	1,354.5	7,569,427	815883.2	\$3,806.26	\$5,072.09
1355.5	1	121,995	1,355.5	7,570,783	814527.7	\$3,808.63	\$5,075.82
1356	1	121,996	1,356.0	7,572,139	813171.7	\$3,809.81	\$5,077.68
1359.3	1	121,997	1,359.3	7,573,498	811812.4	\$3,817.61	\$5,089.96
1362.2	3	122,000	4,086.6	7,577,585	807725.8	\$11,473.40	\$15,302.24
1365.7	1	122,001	1,365.7	7,578,950	806360.1	\$3,832.74	\$5,113.77

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
1367.2	1	122,002	1,367.2	7,580,318	804992.9	\$3,836.28	\$5,119.35
1367.5	1	122,003	1,367.5	7,581,685	803625.4	\$3,836.99	\$5,120.47
1368.1	1	122,004	1,368.1	7,583,053	802257.3	\$3,838.41	\$5,122.70
1372	1	122,005	1,372.0	7,584,425	800885.3	\$3,847.63	\$5,137.21
1373	1	122,006	1,373.0	7,585,798	799512.3	\$3,849.99	\$5,140.93
1373.4	1	122,007	1,373.4	7,587,172	798138.9	\$3,850.94	\$5,142.42
1377	1	122,008	1,377.0	7,588,549	796761.9	\$3,859.45	\$5,155.82
1377.3	1	122,009	1,377.3	7,589,926	795384.6	\$3,860.16	\$5,156.93
1385	1	122,010	1,385.0	7,591,311	793999.6	\$3,878.36	\$5,185.59
1386	1	122,011	1,386.0	7,592,697	792613.6	\$3,880.72	\$5,189.31
1387.8	1	122,012	1,387.8	7,594,085	791225.8	\$3,884.98	\$5,196.00
1388	1	122,013	1,388.0	7,595,473	789837.8	\$3,885.45	\$5,196.75
1388.8	1	122,014	1,388.8	7,596,862	788449.0	\$3,887.34	\$5,199.72
1390.4	1	122,015	1,390.4	7,598,252	787058.6	\$3,891.13	\$5,205.68
1391.1	1	122,016	1,391.1	7,599,643	785667.5	\$3,892.78	\$5,208.28
1395.1	1	122,017	1,395.1	7,601,038	784272.4	\$3,902.23	\$5,223.17
1395.9	1	122,018	1,395.9	7,602,434	782876.5	\$3,904.13	\$5,226.14
1397	1	122,019	1,397.0	7,603,831	781479.5	\$3,906.73	\$5,230.24
1399	1	122,020	1,399.0	7,605,230	780080.5	\$3,911.45	\$5,237.68
1400	1	122,021	1,400.0	7,606,630	778680.5	\$3,913.82	\$5,241.40
1404.5	1	122,022	1,404.5	7,608,035	777276.0	\$3,924.45	\$5,258.14
1405	2	122,024	2,810.0	7,610,845	774466.0	\$7,851.27	\$10,520.01
1408.2	1	122,025	1,408.2	7,612,253	773057.8	\$3,933.20	\$5,271.91
1408.3	1	122,026	1,408.3	7,613,661	771649.5	\$3,933.44	\$5,272.28
1411	1	122,027	1,411.0	7,615,072	770238.5	\$3,939.82	\$5,282.33
1413.8	1	122,028	1,413.8	7,616,486	768824.7	\$3,946.44	\$5,292.75
1416.7	1	122,029	1,416.7	7,617,903	767408.0	\$3,953.29	\$5,303.54
1417	2	122,031	2,834.0	7,620,737	764574.0	\$7,908.00	\$10,609.31
1420.6	1	122,032	1,420.6	7,622,157	763153.4	\$3,962.51	\$5,318.05
1421	1	122,033	1,421.0	7,623,578	761732.4	\$3,963.46	\$5,319.54
1424	1	122,034	1,424.0	7,625,002	760308.4	\$3,970.55	\$5,330.70
1425	1	122,035	1,425.0	7,626,427	758883.4	\$3,972.91	\$5,334.43
1426.1	1	122,036	1,426.1	7,627,853	757457.3	\$3,975.51	\$5,338.52
1427.7	1	122,037	1,427.7	7,629,281	756029.6	\$3,979.29	\$5,344.47
1431	1	122,038	1,431.0	7,630,712	754598.6	\$3,987.10	\$5,356.75
1432.6	1	122,039	1,432.6	7,632,145	753166.0	\$3,990.88	\$5,362.70
1439	1	122,040	1,439.0	7,633,584	751727.0	\$4,006.01	\$5,386.52
1439.9	1	122,041	1,439.9	7,635,023	750287.1	\$4,008.13	\$5,389.87
1445.8	1	122,042	1,445.8	7,636,469	748841.3	\$4,022.08	\$5,411.82
1448	1	122,043	1,448.0	7,637,917	747393.3	\$4,027.28	\$5,420.01
1450	2	122,045	2,900.0	7,640,817	744493.3	\$8,064.02	\$10,854.90
1451.4	1	122,046	1,451.4	7,642,269	743041.9	\$4,035.32	\$5,432.66
1462	1	122,047	1,462.0	7,643,731	741579.9	\$4,060.37	\$5,472.10
1467	1	122,048	1,467.0	7,645,198	740112.9	\$4,072.19	\$5,490.71
1470	1	122,049	1,470.0	7,646,668	738642.9	\$4,079.28	\$5,501.87
1479	1	122,050	1,479.0	7,648,147	737163.9	\$4,100.56	\$5,535.36
1480	2	122,052	2,960.0	7,651,107	734203.9	\$8,205.84	\$11,078.16
1481	1	122,053	1,481.0	7,652,588	732722.9	\$4,105.29	\$5,542.80
1484	2	122,055	2,968.0	7,655,556	729754.9	\$8,224.75	\$11,107.93



## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
1486	1	122,056	1,486.0	7,657,042	728268.9	\$4,117.10	\$5,561.41
1489	1	122,057	1,489.0	7,658,531	726779.9	\$4,124.20	\$5,572.57
1490	1	122,058	1,490.0	7,660,021	725289.9	\$4,126.56	\$5,576.29
1492	1	122,059	1,492.0	7,661,513	723797.9	\$4,131.29	\$5,583.73
1495	1	122,060	1,495.0	7,663,008	722302.9	\$4,138.38	\$5,594.90
1498.1	1	122,061	1,498.1	7,664,506	720804.8	\$4,145.71	\$5,606.43
1499	1	122,062	1,499.0	7,666,005	719305.8	\$4,147.83	\$5,609.78
1499.2	1	122,063	1,499.2	7,667,504	717806.6	\$4,148.31	\$5,610.52
1499.4	1	122,064	1,499.4	7,669,003	716307.2	\$4,148.78	\$5,611.27
1500	1	122,065	1,500.0	7,670,503	714807.2	\$4,150.20	\$5,613.50
1502.8	1	122,066	1,502.8	7,672,006	713304.4	\$4,156.82	\$5,623.92
1503	1	122,067	1,503.0	7,673,509	711801.4	\$4,157.29	\$5,624.66
1507.2	1	122,068	1,507.2	7,675,016	710294.2	\$4,167.22	\$5,640.29
1509.3	1	122,069	1,509.3	7,676,526	708784.9	\$4,172.18	\$5,648.11
1510	2	122,071	3,020.0	7,679,546	705764.9	\$8,347.67	\$11,301.42
1511	1	122,072	1,511.0	7,681,057	704253.9	\$4,176.20	\$5,654.43
1511.2	1	122,073	1,511.2	7,682,568	702742.7	\$4,176.67	\$5,655.18
1513	1	122,074	1,513.0	7,684,081	701229.7	\$4,180.93	\$5,661.87
1519.7	1	122,075	1,519.7	7,685,601	699710.0	\$4,196.76	\$5,686.80
1525	2	122,077	3,050.0	7,688,651	696660.0	\$8,418.59	\$11,413.05
1527.3	1	122,078	1,527.3	7,690,178	695132.7	\$4,214.73	\$5,715.08
1530	1	122,079	1,530.0	7,691,708	693602.7	\$4,221.11	\$5,725.13
1530.2	1	122,080	1,530.2	7,693,238	692072.5	\$4,221.58	\$5,725.87
1531.8	1	122,081	1,531.8	7,694,770	690540.7	\$4,225.37	\$5,731.83
1535	1	122,082	1,535.0	7,696,305	689005.7	\$4,232.93	\$5,743.74
1536	1	122,083	1,536.0	7,697,841	687469.7	\$4,235.29	\$5,747.46
1540.8	1	122,084	1,540.8	7,699,382	685928.9	\$4,246.64	\$5,765.32
1545.6	1	122,085	1,545.6	7,700,927	684383.3	\$4,257.99	\$5,783.18
1547	3	122,088	4,641.0	7,705,568	679742.3	\$12,783.89	\$17,365.16
1552.4	1	122,089	1,552.4	7,707,121	678189.9	\$4,274.06	\$5,808.48
1554.3	1	122,090	1,554.3	7,708,675	676635.6	\$4,278.55	\$5,815.55
1557.7	1	122,091	1,557.7	7,710,233	675077.9	\$4,286.59	\$5,828.20
1563.8	1	122,092	1,563.8	7,711,796	673514.1	\$4,301.01	\$5,850.90
1564.7	1	122,093	1,564.7	7,713,361	671949.4	\$4,303.14	\$5,854.25
1565.7	1	122,094	1,565.7	7,714,927	670383.7	\$4,305.50	\$5,857.97
1566	1	122,095	1,566.0	7,716,493	668817.7	\$4,306.21	\$5,859.09
1569	1	122,096	1,569.0	7,718,062	667248.7	\$4,313.30	\$5,870.25
1570.4	1	122,097	1,570.4	7,719,632	665678.3	\$4,316.61	\$5,875.46
1570.8	1	122,098	1,570.8	7,721,203	664107.5	\$4,317.55	\$5,876.95
1571.4	1	122,099	1,571.4	7,722,774	662536.1	\$4,318.97	\$5,879.18
1571.7	1	122,100	1,571.7	7,724,346	660964.4	\$4,319.68	\$5,880.30
1579.2	3	122,103	4,737.6	7,729,084	656226.8	\$13,012.23	\$17,724.61
1580	1	122,104	1,580.0	7,730,664	654646.8	\$4,339.30	\$5,911.18
1581	1	122,105	1,581.0	7,732,245	653065.8	\$4,341.67	\$5,914.90
1583	1	122,106	1,583.0	7,733,828	651482.8	\$4,346.39	\$5,922.34
1584.3	1	122,107	1,584.3	7,735,412	649898.5	\$4,349.47	\$5,927.18
1585	1	122,108	1,585.0	7,736,997	648313.5	\$4,351.12	\$5,929.79
1585.8	1	122,109	1,585.8	7,738,583	646727.7	\$4,353.01	\$5,932.76
1589	1	122,110	1,589.0	7,740,172	645138.7	\$4,360.58	\$5,944.67

**RATE SCHEDULE NT (Commerical/Industrial - Choice)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
1591	1	122,111	1,591.0	7,741,763	643547.7	\$4,365.30	\$5,952.11
1598.3	1	122,112	1,598.3	7,743,361	641949.4	\$4,382.56	\$5,979.27
1598.4	1	122,113	1,598.4	7,744,960	640351.0	\$4,382.80	\$5,979.65
1600	1	122,114	1,600.0	7,746,560	638751.0	\$4,386.58	\$5,985.60
1603.6	1	122,115	1,603.6	7,748,163	637147.4	\$4,395.09	\$5,999.00
1608.4	1	122,116	1,608.4	7,749,772	635539.0	\$4,406.43	\$6,016.86
1611.5	1	122,117	1,611.5	7,751,383	633927.5	\$4,413.76	\$6,028.39
1612.7	1	122,118	1,612.7	7,752,996	632314.8	\$4,416.60	\$6,032.86
1615	1	122,119	1,615.0	7,754,611	630699.8	\$4,422.03	\$6,041.42
1619	1	122,120	1,619.0	7,756,230	629080.8	\$4,431.49	\$6,056.30
1620	1	122,121	1,620.0	7,757,850	627460.8	\$4,433.85	\$6,060.02
1625	1	122,122	1,625.0	7,759,475	625835.8	\$4,445.67	\$6,078.63
1639	1	122,123	1,639.0	7,761,114	624196.8	\$4,478.77	\$6,130.72
1645.2	1	122,124	1,645.2	7,762,759	622551.6	\$4,493.42	\$6,153.79
1647.4	1	122,125	1,647.4	7,764,406	620904.2	\$4,498.62	\$6,161.98
1650.9	1	122,126	1,650.9	7,766,057	619253.3	\$4,506.89	\$6,175.00
1652	1	122,127	1,652.0	7,767,709	617601.3	\$4,509.50	\$6,179.09
1654	1	122,128	1,654.0	7,769,363	615947.3	\$4,514.22	\$6,186.53
1655	1	122,129	1,655.0	7,771,018	614292.3	\$4,516.59	\$6,190.26
1656.1	1	122,130	1,656.1	7,772,674	612636.2	\$4,519.19	\$6,194.35
1665.6	1	122,131	1,665.6	7,774,340	610970.6	\$4,541.64	\$6,229.70
1667	1	122,132	1,667.0	7,776,007	609303.6	\$4,544.95	\$6,234.91
1668	1	122,133	1,668.0	7,777,675	607635.6	\$4,547.32	\$6,238.63
1671.9	2	122,135	3,343.8	7,781,019	604291.8	\$9,113.07	\$12,506.28
1672	1	122,136	1,672.0	7,782,691	602619.8	\$4,556.77	\$6,253.51
1674	1	122,137	1,674.0	7,784,365	600945.8	\$4,561.50	\$6,260.95
1682	1	122,138	1,682.0	7,786,047	599263.8	\$4,580.41	\$6,290.72
1683.3	1	122,139	1,683.3	7,787,730	597580.5	\$4,583.48	\$6,295.56
1686.4	1	122,140	1,686.4	7,789,416	595894.1	\$4,590.81	\$6,307.09
1687	1	122,141	1,687.0	7,791,103	594207.1	\$4,592.23	\$6,309.33
1693.6	1	122,142	1,693.6	7,792,797	592513.5	\$4,607.83	\$6,333.89
1700	1	122,143	1,700.0	7,794,497	590813.5	\$4,622.96	\$6,357.70
1701.1	1	122,144	1,701.1	7,796,198	589112.4	\$4,625.56	\$6,361.79
1702.4	1	122,145	1,702.4	7,797,901	587410.0	\$4,628.63	\$6,366.63
1706.3	1	122,146	1,706.3	7,799,607	585703.7	\$4,637.85	\$6,381.14
1709	2	122,148	3,418.0	7,803,025	582285.7	\$9,288.46	\$12,782.38
1711	1	122,149	1,711.0	7,804,736	580574.7	\$4,648.96	\$6,398.63
1724.1	1	122,150	1,724.1	7,806,460	578850.6	\$4,679.93	\$6,447.38
1725.2	1	122,151	1,725.2	7,808,185	577125.4	\$4,682.53	\$6,451.47
1730	1	122,152	1,730.0	7,809,915	575395.4	\$4,693.87	\$6,469.33
1732	1	122,153	1,732.0	7,811,647	573663.4	\$4,698.60	\$6,476.77
1735	1	122,154	1,735.0	7,813,382	571928.4	\$4,705.69	\$6,487.94
1741.4	1	122,155	1,741.4	7,815,124	570187.0	\$4,720.82	\$6,511.75
1742.2	1	122,156	1,742.2	7,816,866	568444.8	\$4,722.71	\$6,514.73
1744	1	122,157	1,744.0	7,818,610	566700.8	\$4,726.96	\$6,521.42
1748.5	1	122,158	1,748.5	7,820,358	564952.3	\$4,737.60	\$6,538.17
1749.1	1	122,159	1,749.1	7,822,107	563203.2	\$4,739.02	\$6,540.40
1749.7	1	122,160	1,749.7	7,823,857	561453.5	\$4,740.44	\$6,542.63
1761	1	122,161	1,761.0	7,825,618	559692.5	\$4,767.15	\$6,584.68

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
1761.5	1	122,162	1,761.5	7,827,380	557931.0	\$4,768.33	\$6,586.54
1772	1	122,163	1,772.0	7,829,152	556159.0	\$4,793.15	\$6,625.61
1777.1	1	122,164	1,777.1	7,830,929	554381.9	\$4,805.21	\$6,644.59
1778.7	1	122,165	1,778.7	7,832,707	552603.2	\$4,808.99	\$6,650.54
1784.7	1	122,166	1,784.7	7,834,492	550818.5	\$4,823.17	\$6,672.87
1787	2	122,168	3,574.0	7,838,066	547244.5	\$9,657.22	\$13,362.85
1788.4	1	122,169	1,788.4	7,839,854	545456.1	\$4,831.92	\$6,686.64
1793.8	1	122,170	1,793.8	7,841,648	543662.3	\$4,844.68	\$6,706.73
1795.3	1	122,171	1,795.3	7,843,444	541867.0	\$4,848.23	\$6,712.31
1806	1	122,172	1,806.0	7,845,250	540061.0	\$4,873.52	\$6,752.13
1807	1	122,173	1,807.0	7,847,057	538254.0	\$4,875.88	\$6,755.85
1809.1	1	122,174	1,809.1	7,848,866	536444.9	\$4,880.85	\$6,763.66
1817	1	122,175	1,817.0	7,850,683	534627.9	\$4,899.52	\$6,793.06
1818.6	1	122,176	1,818.6	7,852,501	532809.3	\$4,903.30	\$6,799.01
1823.3	1	122,177	1,823.3	7,854,325	530986.0	\$4,914.41	\$6,816.50
1826.2	1	122,178	1,826.2	7,856,151	529159.8	\$4,921.27	\$6,827.29
1850	1	122,179	1,850.0	7,858,001	527309.8	\$4,977.53	\$6,915.85
1851	1	122,180	1,851.0	7,859,852	525458.8	\$4,979.89	\$6,919.57
1852	1	122,181	1,852.0	7,861,704	523606.8	\$4,982.26	\$6,923.29
1853	1	122,182	1,853.0	7,863,557	521753.8	\$4,984.62	\$6,927.01
1856	1	122,183	1,856.0	7,865,413	519897.8	\$4,991.71	\$6,938.18
1871	1	122,184	1,871.0	7,867,284	518026.8	\$5,027.17	\$6,993.99
1873.3	1	122,185	1,873.3	7,869,157	516153.5	\$5,032.60	\$7,002.55
1878	1	122,186	1,878.0	7,871,035	514275.5	\$5,043.71	\$7,020.04
1883.4	1	122,187	1,883.4	7,872,918	512392.1	\$5,056.48	\$7,040.13
1885	1	122,188	1,885.0	7,874,803	510507.1	\$5,060.26	\$7,046.09
1894.6	1	122,189	1,894.6	7,876,698	508612.5	\$5,082.95	\$7,081.81
1896.9	1	122,190	1,896.9	7,878,595	506715.6	\$5,088.39	\$7,090.36
1900	1	122,191	1,900.0	7,880,495	504815.6	\$5,095.72	\$7,101.90
1906.4	1	122,192	1,906.4	7,882,401	502909.2	\$5,110.85	\$7,125.71
1916.6	1	122,193	1,916.6	7,884,318	500992.6	\$5,134.96	\$7,163.67
1925	1	122,194	1,925.0	7,886,243	499067.6	\$5,154.81	\$7,194.93
1925.6	1	122,195	1,925.6	7,888,169	497142.0	\$5,156.23	\$7,197.16
1927.1	1	122,196	1,927.1	7,890,096	495214.9	\$5,159.78	\$7,202.74
1946	1	122,197	1,946.0	7,892,042	493268.9	\$5,204.45	\$7,273.07
1946.9	1	122,198	1,946.9	7,893,989	491322.0	\$5,206.58	\$7,276.41
1947	1	122,199	1,947.0	7,895,936	489375.0	\$5,206.82	\$7,276.79
1954.9	1	122,200	1,954.9	7,897,890	487420.1	\$5,225.49	\$7,306.18
1955.8	1	122,201	1,955.8	7,899,846	485464.3	\$5,227.62	\$7,309.53
1964.2	1	122,202	1,964.2	7,901,810	483500.1	\$5,247.47	\$7,340.79
1966	1	122,203	1,966.0	7,903,776	481534.1	\$5,251.73	\$7,347.49
1966.9	1	122,204	1,966.9	7,905,743	479567.2	\$5,253.86	\$7,350.83
1970.8	1	122,205	1,970.8	7,907,714	477596.4	\$5,263.07	\$7,365.35
1977.6	1	122,206	1,977.6	7,909,692	475618.8	\$5,279.15	\$7,390.65
1982	1	122,207	1,982.0	7,911,674	473636.8	\$5,289.55	\$7,407.02
1985	1	122,208	1,985.0	7,913,659	471651.8	\$5,296.64	\$7,418.19
2008	1	122,209	2,008.0	7,915,667	469643.8	\$5,351.01	\$7,503.77
2033.9	1	122,210	2,033.9	7,917,701	467609.9	\$5,412.23	\$7,600.14
2034	1	122,211	2,034.0	7,919,735	465575.9	\$5,412.47	\$7,600.51

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
2040	1	122,212	2,040.0	7,921,775	463535.9	\$5,426.65	\$7,622.84
2042	1	122,213	2,042.0	7,923,817	461493.9	\$5,431.38	\$7,630.28
2047	1	122,214	2,047.0	7,925,864	459446.9	\$5,443.20	\$7,648.89
2050.1	1	122,215	2,050.1	7,927,914	457396.8	\$5,450.52	\$7,660.42
2070	1	122,216	2,070.0	7,929,984	455326.8	\$5,497.56	\$7,734.47
2078	2	122,218	4,156.0	7,934,140	451170.8	\$11,032.95	\$15,528.48
2080.2	1	122,219	2,080.2	7,936,220	449090.6	\$5,521.67	\$7,772.42
2087	1	122,220	2,087.0	7,938,307	447003.6	\$5,537.75	\$7,797.73
2094.6	1	122,221	2,094.6	7,940,402	444909.0	\$5,555.71	\$7,826.01
2102	1	122,222	2,102.0	7,942,504	442807.0	\$5,573.21	\$7,853.54
2103	1	122,223	2,103.0	7,944,607	440704.0	\$5,575.57	\$7,857.26
2105.2	1	122,224	2,105.2	7,946,712	438598.8	\$5,580.77	\$7,865.45
2112	1	122,225	2,112.0	7,948,824	436486.8	\$5,596.84	\$7,890.75
2115.5	1	122,226	2,115.5	7,950,939	434371.3	\$5,605.12	\$7,903.78
2116	1	122,227	2,116.0	7,953,055	432255.3	\$5,606.30	\$7,905.64
2120	1	122,228	2,120.0	7,955,175	430135.3	\$5,615.75	\$7,920.52
2129.8	1	122,229	2,129.8	7,957,305	428005.5	\$5,638.92	\$7,956.99
2142.9	1	122,230	2,142.9	7,959,448	425862.6	\$5,669.88	\$8,005.73
2150	1	122,231	2,150.0	7,961,598	423712.6	\$5,686.67	\$8,032.15
2172	1	122,232	2,172.0	7,963,770	421540.6	\$5,738.67	\$8,114.01
2181.6	1	122,233	2,181.6	7,965,952	419359.0	\$5,761.36	\$8,149.73
2182.7	1	122,234	2,182.7	7,968,134	417176.3	\$5,763.96	\$8,153.83
2187	1	122,235	2,187.0	7,970,321	414989.3	\$5,774.13	\$8,169.83
2209.8	1	122,236	2,209.8	7,972,531	412779.5	\$5,828.02	\$8,254.67
2217	1	122,237	2,217.0	7,974,748	410562.5	\$5,845.04	\$8,281.46
2219.6	1	122,238	2,219.6	7,976,968	408342.9	\$5,851.19	\$8,291.13
2227	1	122,239	2,227.0	7,979,195	406115.9	\$5,868.68	\$8,318.67
2229	1	122,240	2,229.0	7,981,424	403886.9	\$5,873.41	\$8,326.11
2230.1	1	122,241	2,230.1	7,983,654	401656.8	\$5,876.01	\$8,330.20
2235.5	1	122,242	2,235.5	7,985,889	399421.3	\$5,888.77	\$8,350.30
2239.3	1	122,243	2,239.3	7,988,129	397182.0	\$5,897.75	\$8,364.44
2243.1	1	122,244	2,243.1	7,990,372	394938.9	\$5,906.74	\$8,378.58
2250	1	122,245	2,250.0	7,992,622	392688.9	\$5,923.05	\$8,404.25
2255	1	122,246	2,255.0	7,994,877	390433.9	\$5,934.87	\$8,422.86
2288.2	1	122,247	2,288.2	7,997,165	388145.7	\$6,013.34	\$8,546.39
2293	1	122,248	2,293.0	7,999,458	385852.7	\$6,024.69	\$8,564.25
2299.4	1	122,249	2,299.4	8,001,757	383553.3	\$6,039.82	\$8,588.07
2300	1	122,250	2,300.0	8,004,057	381253.3	\$6,041.24	\$8,590.30
2304	1	122,251	2,304.0	8,006,361	378949.3	\$6,050.69	\$8,605.18
2314	1	122,252	2,314.0	8,008,675	376635.3	\$6,074.33	\$8,642.39
2351.4	1	122,253	2,351.4	8,011,027	374283.9	\$6,162.74	\$8,781.56
2358	1	122,254	2,358.0	8,013,385	371925.9	\$6,178.34	\$8,806.12
2360	1	122,255	2,360.0	8,015,745	369565.9	\$6,183.07	\$8,813.56
2362.4	1	122,256	2,362.4	8,018,107	367203.5	\$6,188.74	\$8,822.49
2363	1	122,257	2,363.0	8,020,470	364840.5	\$6,190.16	\$8,824.72
2374	1	122,258	2,374.0	8,022,844	362466.5	\$6,216.16	\$8,865.65
2380.9	2	122,260	4,761.8	8,027,606	357704.7	\$12,464.94	\$17,782.66
2410	1	122,261	2,410.0	8,030,016	355294.7	\$6,301.26	\$8,999.61
2430.1	1	122,262	2,430.1	8,032,446	352864.6	\$6,348.77	\$9,074.40

**RATE SCHEDULE NT (Commerical/Industrial - Choice)**

**Bill Frequency Analysis (2014-2015 MCFs)**

<b>Block Interval</b>	<b>Number of Bills</b>	<b>Cumulative Number of Bills</b>	<b>MCF for the Block Interval</b>	<b>Cumulative MCF</b>	<b>MCF Passing through the Block</b>	<b>Revenue at Present rates</b>	<b>Revenue at Proposed Rates</b>
2436	1	122,263	2,436.0	8,034,882	350428.6	\$6,362.71	\$9,096.36
2440	1	122,264	2,440.0	8,037,322	347988.6	\$6,372.17	\$9,111.24
2446.7	1	122,265	2,446.7	8,039,769	345541.9	\$6,388.01	\$9,136.17
2449.7	1	122,266	2,449.7	8,042,218	343092.2	\$6,395.10	\$9,147.33
2451	1	122,267	2,451.0	8,044,669	340641.2	\$6,398.17	\$9,152.17
2466.5	1	122,268	2,466.5	8,047,136	338174.7	\$6,434.81	\$9,209.85
2476.8	1	122,269	2,476.8	8,049,613	335697.9	\$6,459.16	\$9,248.17
2481.8	1	122,270	2,481.8	8,052,094	333216.1	\$6,470.98	\$9,266.78
2489	1	122,271	2,489.0	8,054,583	330727.1	\$6,488.00	\$9,293.57
2498	1	122,272	2,498.0	8,057,081	328229.1	\$6,509.27	\$9,327.06
2500	1	122,273	2,500.0	8,059,581	325729.1	\$6,514.00	\$9,334.50
2525.4	1	122,274	2,525.4	8,062,107	323203.7	\$6,574.04	\$9,429.01
2562.9	1	122,275	2,562.9	8,064,670	320640.8	\$6,662.68	\$9,568.55
2571	1	122,276	2,571.0	8,067,241	318069.8	\$6,681.83	\$9,598.69
2574.8	1	122,277	2,574.8	8,069,816	315495.0	\$6,690.81	\$9,612.83
2600	1	122,278	2,600.0	8,072,416	312895.0	\$6,750.38	\$9,706.60
2623.1	1	122,279	2,623.1	8,075,039	310271.9	\$6,804.98	\$9,792.56
2648.5	1	122,280	2,648.5	8,077,687	307623.4	\$6,865.02	\$9,887.07
2664.7	1	122,281	2,664.7	8,080,352	304958.7	\$6,903.32	\$9,947.35
2673.7	1	122,282	2,673.7	8,083,026	302285.0	\$6,924.59	\$9,980.84
2677	1	122,283	2,677.0	8,085,703	299608.0	\$6,932.39	\$9,993.12
2688.4	1	122,284	2,688.4	8,088,391	296919.6	\$6,959.34	\$10,035.54
2700.8	1	122,285	2,700.8	8,091,092	294218.8	\$6,988.65	\$10,081.68
2739	1	122,286	2,739.0	8,093,831	291479.8	\$7,078.95	\$10,223.82
2755.5	1	122,287	2,755.5	8,096,586	288724.3	\$7,117.95	\$10,285.22
2761.6	1	122,288	2,761.6	8,099,348	285962.7	\$7,132.37	\$10,307.91
2774	1	122,289	2,774.0	8,102,122	283188.7	\$7,161.68	\$10,354.05
2787.2	1	122,290	2,787.2	8,104,909	280401.5	\$7,192.88	\$10,403.17
2798.6	1	122,291	2,798.6	8,107,708	277602.9	\$7,219.83	\$10,445.59
2805	1	122,292	2,805.0	8,110,513	274797.9	\$7,234.96	\$10,469.41
2805.8	1	122,293	2,805.8	8,113,318	271992.1	\$7,236.85	\$10,472.38
2819.7	1	122,294	2,819.7	8,116,138	269172.4	\$7,269.70	\$10,524.10
2828.5	1	122,295	2,828.5	8,118,967	266343.9	\$7,290.51	\$10,556.85
2841	1	122,296	2,841.0	8,121,808	263502.9	\$7,320.05	\$10,603.36
2852	1	122,297	2,852.0	8,124,660	260650.9	\$7,346.06	\$10,644.29
2864	1	122,298	2,864.0	8,127,524	257786.9	\$7,374.42	\$10,688.94
2884.6	1	122,299	2,884.6	8,130,408	254902.3	\$7,423.11	\$10,765.60
2927	1	122,300	2,927.0	8,133,335	251975.3	\$7,523.34	\$10,923.37
2929	2	122,302	5,858.0	8,139,193	246117.3	\$15,056.14	\$21,861.62
2934	1	122,303	2,934.0	8,142,127	243183.3	\$7,539.89	\$10,949.41
2953.5	1	122,304	2,953.5	8,145,081	240229.8	\$7,585.98	\$11,021.97
2963	1	122,305	2,963.0	8,148,044	237266.8	\$7,608.44	\$11,057.32
2965	1	122,306	2,965.0	8,151,009	234301.8	\$7,613.16	\$11,064.77
3028	1	122,307	3,028.0	8,154,037	231273.8	\$7,762.08	\$11,299.19
3108.2	1	122,308	3,108.2	8,157,145	228165.6	\$7,951.66	\$11,597.61
3128.9	1	122,309	3,128.9	8,160,274	225036.7	\$8,000.59	\$11,674.64
3200	1	122,310	3,200.0	8,163,474	221836.7	\$8,168.66	\$11,939.20
3207.3	1	122,311	3,207.3	8,166,681	218629.4	\$8,185.91	\$11,966.36
3239	1	122,312	3,239.0	8,169,920	215390.4	\$8,260.85	\$12,084.32

## RATE SCHEDULE NT (Commerical/Industrial - Choice)

## Bill Frequency Analysis (2014-2015 MCFs)

Block Interval	Number of Bills	Cumulative Number of Bills	MCF for the Block Interval	Cumulative MCF	MCF Passing through the Block	Revenue at Present rates	Revenue at Proposed Rates
3393	1	122,313	3,393.0	8,173,313	211997.4	\$8,624.87	\$12,657.35
3419	1	122,314	3,419.0	8,176,732	208578.4	\$8,686.33	\$12,754.10
3481	1	122,315	3,481.0	8,180,213	205097.4	\$8,832.89	\$12,984.80
3525.2	1	122,316	3,525.2	8,183,738	201572.2	\$8,937.37	\$13,149.27
3649	1	122,317	3,649.0	8,187,387	197923.2	\$9,230.00	\$13,609.93
3713	1	122,318	3,713.0	8,191,100	194210.2	\$9,381.29	\$13,848.07
3726	1	122,319	3,726.0	8,194,826	190484.2	\$9,412.02	\$13,896.45
3794.7	1	122,320	3,794.7	8,198,621	186689.5	\$9,574.41	\$14,152.08
3797	1	122,321	3,797.0	8,202,418	182892.5	\$9,579.85	\$14,160.64
4287	1	122,322	4,287.0	8,206,705	178605.5	\$10,738.11	\$15,983.93
4375.5	1	122,323	4,375.5	8,211,081	174230.0	\$10,947.30	\$16,313.24
4558.2	1	122,324	4,558.2	8,215,639	169671.8	\$11,379.17	\$16,993.06
4561	1	122,325	4,561.0	8,220,200	165110.8	\$11,385.79	\$17,003.48
4847.4	1	122,326	4,847.4	8,225,047	160263.4	\$12,062.78	\$18,069.18
4852	1	122,327	4,852.0	8,229,899	155411.4	\$12,073.66	\$18,086.29
4905	1	122,328	4,905.0	8,234,804	150506.4	\$12,198.94	\$18,283.51
4926	1	122,329	4,926.0	8,239,730	145580.4	\$12,248.58	\$18,361.65
5386.3	1	122,330	5,386.3	8,245,116	140194.1	\$13,336.63	\$20,074.42
5548	1	122,331	5,548.0	8,250,664	134646.1	\$13,718.86	\$20,676.11
5683	1	122,332	5,683.0	8,256,347	128963.1	\$14,037.97	\$21,178.44
5774	1	122,333	5,774.0	8,262,121	123189.1	\$14,253.08	\$21,517.05
5782	1	122,334	5,782.0	8,267,903	117407.1	\$14,271.99	\$21,546.82
5806	1	122,335	5,806.0	8,273,709	111601.1	\$14,328.72	\$21,636.13
5909.9	1	122,336	5,909.9	8,279,619	105691.2	\$14,574.32	\$22,022.74
5963	1	122,337	5,963.0	8,285,582	99728.2	\$14,699.84	\$22,220.32
6146	1	122,338	6,146.0	8,291,728	93582.2	\$15,132.41	\$22,901.27
6409	1	122,339	6,409.0	8,298,137	87173.2	\$15,754.09	\$23,879.89
6586	1	122,340	6,586.0	8,304,723	80587.2	\$16,172.48	\$24,538.51
6608	1	122,341	6,608.0	8,311,331	73979.2	\$16,224.49	\$24,620.37
6759	1	122,342	6,759.0	8,318,090	67220.2	\$16,581.42	\$25,182.24
6836.2	1	122,343	6,836.2	8,324,927	60384.0	\$16,763.91	\$25,469.50
6862	1	122,344	6,862.0	8,331,789	53522.0	\$16,824.89	\$25,565.50
6942	2	122,346	13,884.0	8,345,673	39638.0	\$34,027.99	\$51,726.36
7143	1	122,347	7,143.0	8,352,816	32495.0	\$17,489.12	\$26,611.10
7312	1	122,348	7,312.0	8,360,128	25183.0	\$17,888.60	\$27,239.95
7462	1	122,349	7,462.0	8,367,590	17721.0	\$18,243.17	\$27,798.10
7581	1	122,350	7,581.0	8,375,171	10140.0	\$18,524.47	\$28,240.90
10140	1	122,351	10,140.0	8,385,311	0.0	\$24,573.43	\$37,762.94