



UGI Utilities, Inc.  
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Suite 360  
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Reading, PA 19612-2677  
1-800-276-2722

June 1, 2015

VIA FEDERAL EXPRESS

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JUN - 1 2015

Ms. Rosemary Chiavetta, Secretary  
Pennsylvania Public Utility Commission  
Commonwealth Keystone Building  
400 North St.  
Harrisburg, PA 17120

PA PUBLIC UTILITY COMMISSION  
SECRETARY'S BUREAU

M-2015-2460711

RE: Annual Resource Planning Report – UGI Central Penn Gas, Inc. (CPG)

Dear Secretary Chiavetta:

In accordance with 52 Pa. Code §59.81 - 59.84, CPG hereby files the Annual Resource Planning Report. All questions concerning this information can be directed to me at 610-796-3520. Copies of this filing have been served upon the Office of Consumer Advocate and the Office of Small Business Advocate.

Very truly yours,

David E. Lahoff  
Manager – Tariff & Supplier Administration

Enclosures: (1) Original  
(7) Copies  
(1) Disk

**VIA FEDERAL EXPRESS**

cc: Darren Gill, Deputy Director  
Pennsylvania Public Utility Commission  
Bureau of Technical Utility Services  
Commonwealth Keystone Bldg.  
400 North Street  
Harrisburg, PA 17120

Tanya J. McCloskey, Esq.  
Acting Consumer Advocate  
Office of Consumer Advocate  
555 Walnut St.  
5<sup>th</sup> Floor  
Harrisburg, PA 17101

John R. Evans  
Small Business Advocate  
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Harrisburg, PA 17101

bcc: S. Epler  
M. Fessler  
L. Harris  
S. Hart  
C. Jones  
A. Key  
D. Lahoff  
D. Leuffen  
M. Morrow  
K. Murphy  
P. Szykman

**FORM-IRP-GAS-4A-SUMMARY: ANNUAL SUPPLY AND REQUIREMENTS SUMMARY**  
**REPORTING UTILITY: UGI CENTRAL PENN GAS**  
(volumes in MMcf)

	Current Year	Three Year Forecast		
Index Year Actual Year	0 2015	1 2016	2 2017	3 2018
<b>Gas Supply:</b>				
<b>System Supply</b>	13,412	13,188	13,283	13,474
<b>Transportation</b>	15,228	15,315	15,292	15,269
<b>TOTAL GAS SUPPLY</b>	28,640	28,503	28,575	28,743
<b>Requirements:</b>				
<b>System Sales</b>	10,278	10,492	10,587	10,778
<b>Transportation</b>	15,228	15,315	15,292	15,269
<b>Load Deductions</b>	(3,134)	(2,696)	(2,696)	(2,696)
<b>TOTAL GAS REQUIREMENTS</b>	28,640	28,503	28,575	28,743
<b>Surplus(Deficiency)</b>	0	0	0	0

Appendix A: Page 10

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PA PUBLIC UTILITY COMMISSION  
SECRETARY'S BUREAU

**FORM-IRP-GAS-4B-SUMMARY: PEAK DAY SUPPLY AND REQUIREMENTS SUMMARY**  
**REPORTING UTILITY: UGI CENTRAL PENN GAS**  
(volumes in MMcf)

	Current Year	Three Year Forecast		
Index Year Actual Year	0 2015	1 2016	2 2017	3 2018
<b>Gas Supply:</b>				
<b>System Supply</b>	112	130	131	133
<b>Transportation</b>	74	68	68	68
<b>TOTAL GAS SUPPLY</b>	<b>186</b>	<b>198</b>	<b>199</b>	<b>201</b>
<b>Requirements:</b>				
<b>System Sales</b>	104	118	119	120
<b>Transportation</b>	70	80	80	81
<b>Load Deductions</b>	(12)	0	0	0
<b>TOTAL GAS REQUIREMENTS</b>	<b>186</b>	<b>198</b>	<b>199</b>	<b>201</b>
<b>Surplus(Deficiency)</b>	0	0	0	0

**RECEIVED**

**Form IRP-GAS-5. Program Description**

JUN - 1 2015

**Company:** UGI Central Penn Gas, Inc.

PA PUBLIC UTILITY COMMISSION  
SECRETARY'S BUREAU

**Contact:** J.J. Swope

**Program:** Conservation Messages On Hold

Proposed  Existing

**OBJECTIVES:**

Provide customers with simple, inexpensive tips for conserving energy and managing their energy bills.

**DETAILS OF ACTIVITY AND IMPLEMENTATION SCHEDULE:**

UGI's call center plays a continuous loop tape with messages and music for customers who are holding to speak to a representative. These tapes are updated every two months with seasonally appropriate messages and tips on conserving energy as well as managing energy bills.

**ACTUAL AND/OR ANTICIPATED RESULTS:**

Year	Peak Load Reduction KW	Energy Savings			Other Results
		Electric MWH	Gas MCF	Oil Gallons	
2014	N/A				

**MONETARY AND PERSONNEL RESOURCES:**

Year	Personnel		Categorized Program Expenses			Total
	Estimated Manhours	Labor	Services	Program Info	Misc.	
2014	20	\$1,000			\$6,000	\$7,000

**Form IRP-GAS-5. Program Description**

**Company:** UGI Central Penn Gas, Inc.

**Contact:** J.J. Swope

**Program:** Conservation Messages On Hold

Proposed  Existing

**OBJECTIVES:**

Provide customers with simple, inexpensive tips for conserving energy and managing their energy bills.

**DETAILS OF ACTIVITY AND IMPLEMENTATION SCHEDULE:**

UGI's call center plays a continuous loop tape with messages and music for customers who are holding to speak to a representative. These tapes are updated every two months with seasonally appropriate messages and tips on conserving energy as well as managing energy bills.

**ACTUAL AND/OR ANTICIPATED RESULTS:**

<u>Year</u>	<u>Peak Load Reduction KW</u>	<u>Energy Savings</u>			<u>Other Results</u>
		<u>Electric MWH</u>	<u>Gas MCF</u>	<u>Oil Gallons</u>	
2015	N/A				

**MONETARY AND PERSONNEL RESOURCES:**

<u>Year</u>	<u>Personnel</u>		<u>Categorized Program Expenses</u>			<u>Total</u>
	<u>Estimated Manhours</u>	<u>Labor</u>	<u>Services</u>	<u>Program Info</u>	<u>Misc.</u>	
2015	20	\$1,000			\$6,000	\$7,000

**Form IRP-GAS-5. Program Description**

**Company:** UGI Central Penn Gas, Inc.

**Contact:** J.J. Swope

**Program:** Conservation Education & Tools

Proposed  Existing

**OBJECTIVES:**

To provide consumers with information about conservation and weatherization in a variety of easy-to-read formats and also provide an online do-it-yourself energy audit tool.

**DETAILS OF ACTIVITY AND IMPLEMENTATION SCHEDULE:**

Informational hand-outs, posters, and guides are provided to customers, community groups, and schools. This literature includes information concerning home energy management and selecting energy efficient appliances. UGI's website also serves as a convenient resource for conservation information and also provides a convenient link to an online energy audit tool. In 2012/2013, UGI CPG added a literature fulfillment program for schools through our sponsorship of the NEF Academy for Natural Gas. That program has grown each year and is being used by more and more teachers throughout the service area.

**ACTUAL AND/OR ANTICIPATED RESULTS:**

Year	Peak Load Reduction KW	Energy Savings			Other Results
		Electric MWH	Gas MCF	Oil Gallons	
2014	N/A		N/A		Through UGI's sponsorship of the NEF Academy of Natural Gas, approximately 130 schools each year receive comprehensive energy education instructional packets.

**MONETARY AND PERSONNEL RESOURCES:**

Year	Personnel		Categorized Program Expenses			Total
	Estimated Manhours	Labor	Services	Program Info	Misc.	
2014	10	\$500			\$3,000	\$3,500



**Form IRP-GAS-5. Program Description**

**Company:** UGI Central Penn Gas, Inc.

**Contact:** J.J. Swope

**Program:** Conservation Education & Tools

Proposed  Existing

**OBJECTIVES:**

To provide consumers with information about conservation and weatherization in a variety of easy-to-read formats and also provide an online do-it-yourself energy audit tool.

**DETAILS OF ACTIVITY AND IMPLEMENTATION SCHEDULE:**

Informational hand-outs, posters, and guides are provided to customers, community groups, and schools. This literature includes information concerning home energy management and selecting energy efficient appliances. UGI's website also serves as a convenient resource for conservation information and also provides a convenient link to an online energy audit tool. In 2012/2013, UGI CPG added a literature fulfillment program for schools through our sponsorship of the NEF Academy for Natural Gas, which has grown each year since its implementation. We expect similar growth in 2015.

**ACTUAL AND/OR ANTICIPATED RESULTS:**

Year	Peak Load Reduction KW	Energy Savings			Other Results
		Electric MWH	Gas MCF	Oil Gallons	
2015	N/A		N/A		Through UGI's sponsorship of the NEF Academy of Natural Gas, approximately 130 schools each year receive comprehensive energy education instructional packets.

**MONETARY AND PERSONNEL RESOURCES:**

Year	Personnel		Categorized Program Expenses			
	Estimated Manhours	Labor	Services	Program Info	Misc.	Total
2015	10	\$500			\$3,000	\$3,500

**Form IRP-GAS-5. Program Description**

**Company:** UGI Central Penn Gas, Inc.

**Contact:** J.J. Swope

**Program:** Customer Newsletter – “*The Gasline*”

Proposed  Existing

**OBJECTIVES:**

To provide customers with conservation tips, company and industry news, information about rates-related matters, safety suggestions, and other current topics.

**DETAILS OF ACTIVITY AND IMPLEMENTATION SCHEDULE:**

*The Gasline* is a two-page newsletter included in every customer’s bill 11 times each year. Designed to update customers on current energy news, *The Gasline* also provides information on low cost/no cost energy conservation measures and practices, billing practices and rates, as well as safety suggestions and reminders.

**ACTUAL AND/OR ANTICIPATED RESULTS:**

Year	Peak Load Reduction KW	Energy Savings			Other Results
		Electric MWH	Gas MCF	Oil Gallons	
2014	N/A		N/A		Bill inserts reach 100% of CPG customers. E-bill customers receive electronic versions of all bill inserts.

**MONETARY AND PERSONNEL RESOURCES:**

Year	Personnel		Categorized Program Expenses			Total
	Estimated Manhours	Labor	Services	Program Info	Misc.	
2014	100	\$10,000	\$45,000			\$55,000

**Form IRP-GAS-5. Program Description**

**Company:** UGI Central Penn Gas, Inc.

**Contact:** J.J. Swope

**Program:** Customer Newsletter – “*The Gasline*”

Proposed  Existing

**OBJECTIVES:**

To provide customers with conservation tips, company and industry news, information about rates-related matters, safety suggestions, and other current topics.

**DETAILS OF ACTIVITY AND IMPLEMENTATION SCHEDULE:**

*The Gasline* is a two-page newsletter included in every customer’s bill 11 times each year. Designed to update customers on current energy news, *The Gasline* also provides information on low cost/no cost energy conservation measures and practices, billing practices and rates, as well as safety suggestions and reminders.

**ACTUAL AND/OR ANTICIPATED RESULTS:**

Year	Peak Load Reduction KW	Energy Savings			Other Results
		Electric MWH	Gas MCF	Oil Gallons	
2015	N/A		N/A		Bill inserts reach 100% of CPG customers. E-bill customers receive electronic versions of all bill inserts.

**MONETARY AND PERSONNEL RESOURCES:**

Year	Personnel		Categorized Program Expenses			Total
	Estimated Manhours	Labor	Services	Program Info	Misc.	
2015	100	\$10,000	\$45,000			\$55,000

**Form IRP-GAS-5. Program Description**

**Company:** UGI Central Penn Gas

**Contact:** Y. Belfort

**Program:** Low Income Usage Reduction Program Proposed  Existing

**OBJECTIVES:**

The objective of this program is to reduce energy use among low income, high usage residential customers who are in arrears. Energy efficiency improvement measures are made to eligible customers' dwellings free of charge. Customers also receive free efficiency counseling to further reduce energy consumption.

**DETAILS OF ACTIVITY AND IMPLEMENTATION SCHEDULE:**

CPG introduced a Low Income Usage Reduction Program ("LIURP") in 2008 to assist its low-income residential customers conserve energy and reduce their energy bills. The purpose of the program is to provide services to help customers conserve and maximize their energy savings. CPG utilizes community-based organizations ("CBOs") to administer the LIURP program and provide energy education services to help decrease the risk of customer payment delinquencies and to reduce collection and arrearage carrying costs. The Company uses furnace inspection, air infiltration analysis and other weatherization techniques to help in the reduction of energy costs.

In 2014, 79 homes received weatherization, energy education and UGI CPG inspection

**ACTUAL AND/OR ANTICIPATED RESULTS:**

Year	Peak Load Reduction KW	Energy Savings			Other Results
		Electric MWH	Gas MCF	Oil Gallons	
2014					

**MONETARY AND PERSONNEL RESOURCES:**

Year	Personnel		Categorized Program Expenses				
	Est MHs	Labor	Measures	Adm costs/ Educ Matls	Computer Costs	Rehab Pilot	Total
2014	3,983	\$199,141	\$163,222	\$67,074			\$429,437



**Form IRP-GAS-5. Program Description**

**Company:** UGI Central Penn Gas

**Contact:** Y. Belfort

**Program:** Customer Cares Program

Proposed  Existing

**OBJECTIVES:**

Provide training and guidance to payment-troubled customers, concentrating on energy conservation, budget counseling and fuel assistance. In addition, provide consumers with information and counseling concerning energy conservation measures.

**DETAILS OF ACTIVITY AND IMPLEMENTATION SCHEDULE:**

Providing information regarding energy conservation measures, budget counseling, weatherization, fuel assistance programs, and the Low Income Home Energy Assistance Program (LIHEAP). The program is introduced to groups through presentations and workshops. Representatives provide consumers with education materials concerning energy conservation techniques and methods of using energy more efficiently. Educational services are provided, upon request of the agency or group, through presentations to groups such as service clubs and schools, and also by distributing brochures and other conservation-related literature.

**ACTUAL AND/OR ANTICIPATED RESULTS:**

Year	Peak Load Reduction KW	Energy Savings			Other Results
		Electric MWH	Gas MCF	Oil Gallons	
2014					

**MONETARY AND PERSONNEL RESOURCES:**

Year	Personnel		Categorized Program Expenses			Total
	Estimated Manhours	Labor	Services	Program Info	Misc.	
2014	713	\$8,553		\$2,331	\$16,700	\$27,584

**Form IRP-GAS-5. Program Description**

**Company:** UGI Central Penn Gas

**Contact:** Y. Belfort

**Program:** Customer Cares Program

Proposed  Existing

**OBJECTIVES:**

Provide training and guidance to payment-troubled customers, concentrating on energy conservation, budget counseling and fuel assistance. In addition, provide consumers with information and counseling concerning energy conservation measures.

**DETAILS OF ACTIVITY AND IMPLEMENTATION SCHEDULE:**

Providing information regarding energy conservation measures, budget counseling, weatherization, fuel assistance programs, and the Low Income Home Energy Assistance Program (LIHEAP). The program is introduced to groups through presentations and workshops. Representatives provide consumers with education materials concerning energy conservation techniques and methods of using energy more efficiently. Educational services are provided, upon request of the agency or group, through presentations to groups such as service clubs and schools, and also by distributing brochures and other conservation-related literature.

**ACTUAL AND/OR ANTICIPATED RESULTS:**

Year	Peak Load Reduction KW	Energy Savings			Other Results
		Electric MWH	Gas MCF	Oil Gallons	
2015	N/A				

**MONETARY AND PERSONNEL RESOURCES:**

Year	Personnel		Categorized Program Expenses			Total
	Estimated Manhours	Labor	Services	Program Info	Misc.	
2015						\$18,000

**Form IRP-GAS-5. Program Description**

**Company:** UGI Central Penn Gas, Inc.

**Contact:** D.R. Leuffen

**Program:** Residential Conversion Program – Ahead of Construction      Proposed    Existing   X  

**OBJECTIVES:**

The purpose of this conversion program is to convince existing households to switch their current heating system to natural gas. This program will target homes situated along existing gas mains where UGI PNG construction activity is already scheduled to occur.

**DETAILS OF ACTIVITY AND IMPLEMENTATION SCHEDULE:**

Two months prior to street construction homeowners who do not currently heat with natural gas will be mailed information advising them of a limited time rebate available for converting to natural gas heating. Homeowners will be offered a \$1,000 rebate if they convert to natural gas heating and \$1,200 if they convert to gas heating and water heating. The homeowner must purchase the equipment directly from the contractor of their choice and inform CPG of the need to run a service line during the specified construction period.

**ACTUAL AND/OR ANTICIPATED RESULTS:**

Year	Peak Load Reduction KW	Energy Savings			Other Results
		Electric MWH	Gas MCF	Oil Gallons	
2014	N/A	0		0	

**MONETARY AND PERSONNEL RESOURCES:**

Year	Personnel		Categorized Program Expenses			
	Estimated Manhours	Labor	Services	Program Info	Misc.	Total
2014	100	\$2,000	\$0	\$5,000	\$8,000	\$15,000



**Form IRP-GAS-5. Program Description**

**Company:** UGI Central Penn Gas, Inc.

**Contact:** D.R. Leuffen

**Program:** Residential Conversion Program – Ahead of Construction      Proposed  Existing

**OBJECTIVES:**

The purpose of this conversion program is to convince existing households to switch their current heating system to natural gas. This program will target homes situated along existing gas mains where UGI PNG construction activity is already scheduled to occur.

**DETAILS OF ACTIVITY AND IMPLEMENTATION SCHEDULE:**

Two months prior to street construction homeowners who do not currently heat with natural gas will be mailed information advising them of their opportunity to convert to natural gas heating. Homeowners will be offered a free service installation when they add natural gas heater or water heater. The homeowner must purchase the equipment directly from the contractor of their choice and inform CPG of the need to run a service line prior to the specified construction period.

**ACTUAL AND/OR ANTICIPATED RESULTS:**

Year	Peak Load Reduction KW	Energy Savings			Other Results
		Electric MWH	Gas MCF	Oil Gallons	
2015	N/A	0		0	

**MONETARY AND PERSONNEL RESOURCES:**

Year	Personnel		Categorized Program Expenses			
	Estimated Manhours	Labor	Services	Program Info	Misc.	Total
2015	100	\$2,000	\$0	\$5,000	\$0	\$7,000

**Form IRP-GAS-5. Program Description**

**Company:** UGI Central Penn Gas, Inc.

**Contact:** D.R. Leuffen

**Program:** Residential Conversion Program -- Ahead of Paving Proposed  Existing

**OBJECTIVES:**

The purpose of this conversion program is to convince existing households along UGI gas mains to switch their current heating or water heating equipment to natural gas. This program targets homes situated along existing gas mains where township/municipal paving is already scheduled to occur.

**DETAILS OF ACTIVITY AND IMPLEMENTATION SCHEDULE:**

Two months prior to street construction homeowners who do not currently heat with natural gas will be mailed information advising them of a limited time rebate available for converting to natural gas heating. Homeowners will be offered a \$400 rebate if they convert to natural gas heating and \$600 if they convert to gas heating and water heating. The homeowner must purchase the equipment directly from the contractor of their choice and inform CPG of the need to run a service line prior to the scheduled paving.

**ACTUAL AND/OR ANTICIPATED RESULTS:**

<u>Year</u>	<u>Peak Load Reduction KW</u>	<u>Energy Savings</u>			<u>Other Results</u>
		<u>Electric MWH</u>	<u>Gas MCF</u>	<u>Oil Gallons</u>	
2014	N/A	0		0	

**MONETARY AND PERSONNEL RESOURCES:**

<u>Year</u>	<u>Personnel</u>		<u>Categorized Program Expenses</u>			
	<u>Estimated Manhours</u>	<u>Labor</u>	<u>Services</u>	<u>Program Info</u>	<u>Misc.</u>	<u>Total</u>
2014	50	\$1,000	\$0	\$1,000	\$1,000	\$3,000

**Form IRP-GAS-5. Program Description**

**Company:** UGI Central Penn Gas, Inc.

**Contact:** D.R. Leuffen

**Program:** Residential Conversion Program – Ahead of Paving Proposed  Existing

**OBJECTIVES:**

The purpose of this conversion program is to convince existing households along UGI gas mains to switch their current heating or water heating equipment to natural gas. This program targets homes situated along existing gas mains where township/municipal paving is already scheduled to occur.

**DETAILS OF ACTIVITY AND IMPLEMENTATION SCHEDULE:**

Two months prior to street construction homeowners who do not currently heat with natural gas will be mailed information advising them of their opportunity to convert to natural gas. Homeowners will be offered a free service installation if they convert to gas heating and/or water heating. The homeowner must purchase the equipment directly from the contractor of their choice and inform CPG of the need to run a service line prior to the scheduled paving.

**ACTUAL AND/OR ANTICIPATED RESULTS:**

<u>Year</u>	<u>Peak Load Reduction KW</u>	<u>Energy Savings</u>			<u>Other Results</u>
		<u>Electric MWH</u>	<u>Gas MCF</u>	<u>Oil Gallons</u>	
2015	N/A	0		0	

**MONETARY AND PERSONNEL RESOURCES:**

<u>Year</u>	<u>Personnel</u>		<u>Categorized Program Expenses</u>			
	<u>Estimated Manhours</u>	<u>Labor</u>	<u>Services</u>	<u>Program Info</u>	<u>Misc.</u>	<u>Total</u>
2015	50	\$1,000	\$0	\$1,000	\$0	\$2,000

**Form IRP-GAS-5. Program Description**

**Company:** UGI Central Penn Gas, Inc.

**Contact:** D.R. Leuffen

**Program:** Apartment Conversion Program

Proposed  Existing

**OBJECTIVES:**

The purpose of this conversion program is to convince apartment owners/managers to convert their existing heating systems to clean, efficient natural gas heat. Apartments heated by electricity or propane and situated along a natural gas main are targeted.

**DETAILS OF ACTIVITY AND IMPLEMENTATION SCHEDULE:**

Apartment owners are offered a rebate on the purchase and installation of natural gas heating equipment. Up to \$500/residential unit may be offered for individual heating systems or up to \$250/residential unit for central heating systems. Rebate offers are valid for a limited time period. The economics of installing gas service as well as the availability of rebate funds are evaluated as each prospect is identified.

**ACTUAL AND/OR ANTICIPATED RESULTS:**

<u>Year</u>	<u>Peak Load Reduction KW</u>	<u>Energy Savings</u>			<u>Other Results</u>
		<u>Electric MWH</u>	<u>Gas MCF</u>	<u>Oil Gallons</u>	
2014	N/A	0		0	

**MONETARY AND PERSONNEL RESOURCES:**

<u>Year</u>	<u>Personnel</u>		<u>Categorized Program Expenses</u>			<u>Total</u>
	<u>Estimated Manhours</u>	<u>Labor</u>	<u>Services</u>	<u>Program Info</u>	<u>Misc.</u>	
2014	100	\$2,000	\$0	\$500	\$0	\$2,500

**Form IRP-GAS-5. Program Description**

**Company:** UGI Central Penn Gas, Inc.

**Contact:** D.R. Leuffen

**Program:** Apartment Conversion Program Proposed  Existing

**OBJECTIVES:**

The purpose of this conversion program is to convince apartment owners/managers to convert their existing heating systems to clean, efficient natural gas heat. Apartments heated by electricity or propane and situated along a natural gas main are targeted.

**DETAILS OF ACTIVITY AND IMPLEMENTATION SCHEDULE:**

Apartment owners are offered a rebate on the purchase and installation of natural gas heating equipment. Up to \$500/residential unit may be offered for individual heating systems or up to \$250/residential unit for central heating systems. Rebate offers are valid for a limited time period. The economics of installing gas service as well as the availability of rebate funds are evaluated as each prospect is identified.

**ACTUAL AND/OR ANTICIPATED RESULTS:**

<u>Year</u>	<u>Peak Load Reduction KW</u>	<u>Energy Savings</u>			<u>Other Results</u>
		<u>Electric MWH</u>	<u>Gas MCF</u>	<u>Oil Gallons</u>	
2015	N/A	0		0	

**MONETARY AND PERSONNEL RESOURCES:**

<u>Year</u>	<u>Personnel</u>		<u>Categorized Program Expenses</u>			
	<u>Estimated Manhours</u>	<u>Labor</u>	<u>Services</u>	<u>Program Info</u>	<u>Misc.</u>	<u>Total</u>
2015	100	\$2,000	\$0	\$500	\$0	\$2,500

**Form IRP-GAS-5. Program Description**

**Company:** UGI Central Penn Gas, Inc.

**Contact:** D. R. Leuffen

**Program:** HVAC Trade Allies

Proposed  Existing

**OBJECTIVES:**

UGI's Partner Program is intended to increase ease of access to local HVAC contractors who can install and service high-efficiency gas equipment.

**DETAILS OF ACTIVITY AND IMPLEMENTATION SCHEDULE:**

Both existing and prospective customers have access to a contractor locator tool on UGI's website. Contractors are provided with tools and information on fuel costs and efficiencies. Contractors who are invited to participate in the program must also be approved under Pennsylvania's Keystone HELP Program to insure that customers have access to low-interest loans for energy efficient equipment purchases.

**ACTUAL AND/OR ANTICIPATED RESULTS:**

Year	Peak Load Reduction KW	Energy Savings			Other Results
		Electric MWH	Gas MCF	Oil Gallons	
2014	N/A		N/A		

**MONETARY AND PERSONNEL RESOURCES:**

Year	Personnel		Categorized Program Expenses			Total
	Estimated Manhours	Labor	Services	Program Info	Misc.	
2014	N/A					N/A

**Form IRP-GAS-5. Program Description**

**Company:** UGI Central Penn Gas, Inc.

**Contact:** D. R. Leuffen

**Program:** HVAC Trade Allies

Proposed \_\_ Existing **X**

**OBJECTIVES:**

UGI's Partner Program is intended to increase ease of access to local HVAC contractors who can install and service high-efficiency gas equipment.

**DETAILS OF ACTIVITY AND IMPLEMENTATION SCHEDULE:**

Both existing and prospective customers have access to a contractor locator tool on UGI's website. Contractors are provided with tools and information on fuel costs and efficiencies. Contractors who offer PowerSaver Plus loans are noted on the website to insure that customers have access to low-interest loans for energy efficient equipment purchases.

**ACTUAL AND/OR ANTICIPATED RESULTS:**

<u>Year</u>	<u>Peak Load Reduction KW</u>	<u>Energy Savings</u>			<u>Other Results</u>
		<u>Electric MWH</u>	<u>Gas MCF</u>	<u>Oil Gallons</u>	
2015	N/A		N/A		

**MONETARY AND PERSONNEL RESOURCES:**

<u>Year</u>	<u>Personnel</u>		<u>Categorized Program Expenses</u>			<u>Total</u>
	<u>Estimated Manhours</u>	<u>Labor</u>	<u>Services</u>	<u>Program Info</u>	<u>Misc.</u>	
2015	N/A					N/A

**Form IRP-GAS-5. Program Description**

**Company:** UGI Central Penn Gas, Inc.

**Contact:** M.D. Powell

**Program:** *Industrial & Commercial Energy Efficiency Program* Proposed  Existing

**OBJECTIVES:**

Industrial and Commercial Energy Utilization Representatives meet routinely with customers and engineering design professionals to assist in identifying efficiency improvements to reduce energy consumption. The representatives offer energy audits, load management, and rate design options. Energy-related seminars and information are also available via company sponsorship and participation in various trade shows and meetings.

**DETAILS OF ACTIVITY AND IMPLEMENTATION SCHEDULE:**

Work with 500 industrial and over 10,000 commercial customers to recommend the use of high efficiency equipment and conservation measures.

Provide equipment information to architects, engineers and builders through newsletters featuring new equipment, personal contacts, and updates to UGI's Gas Design Manual. The results are improved designs that utilize high efficiency equipment in new and remodeled buildings.

UGI co-sponsors a gas equipment show with five other Delaware Valley gas utilities. Modern high-efficiency equipment is showcased. In addition to vendor displays, educational seminars emphasizing modern conservation techniques are presented. UGI also initiated an annual seminar for design professionals on Indoor Air Quality and new high efficiency natural gas equipment.

**ACTUAL AND/OR ANTICIPATED RESULTS:**

Year	Peak Load Reduction KW	Energy Savings			Other Results
		Electric MWH	Gas MCF	Oil Gallons	
2014	N/A		21,296		

**MONETARY AND PERSONNEL RESOURCES:**

Year	Personnel		Categorized Program Expenses			Total
	Estimated Manhours	Labor	Services	Program Info	Misc.	
2014	2,000	\$57,449		\$800	\$5,000	\$63,249

This program is considered to be informational; therefore, forms IRP-8 and IRP-9 are not required.



**Form IRP-GAS-5. Program Description**

**Company:** UGI Central Penn Gas, Inc.

**Contact:** M.D. Powell

**Program:** Industrial & Commercial Energy Efficiency Program

Proposed  Existing

**OBJECTIVES:**

Industrial and Commercial Energy Utilization Representatives meet routinely with customers and engineering design professionals to assist in identifying efficiency improvements to reduce energy consumption. The representatives offer energy audits, load management, and rate design options. Energy-related seminars and information are also available via company sponsorship and participation in various trade shows and meetings.

**DETAILS OF ACTIVITY AND IMPLEMENTATION SCHEDULE:**

Work with 500 industrial and over 10,000 commercial customers to recommend the use of high efficiency equipment and conservation measures.

Provide equipment information to architects, engineers and builders through newsletters featuring new equipment, personal contacts, and updates to UGI's Gas Design Manual. The results are improved designs that utilize high efficiency equipment in new and remodeled buildings.

UGI co-sponsors a gas equipment show with five other Delaware Valley gas utilities. Modern high-efficiency equipment is showcased. In addition to vendor displays, educational seminars emphasizing modern conservation techniques are presented. UGI also initiated an annual seminar for design professionals on Indoor Air Quality and new high efficiency natural gas equipment.

**ACTUAL AND/OR ANTICIPATED RESULTS:**

<u>Year</u>	<u>Peak Load Reduction KW</u>	<u>Energy Savings</u>			<u>Other Results</u>
		<u>Electric MWH</u>	<u>Gas MCF</u>	<u>Oil Gallons</u>	
2015	N/A		21,296		

**MONETARY AND PERSONNEL RESOURCES:**

<u>Year</u>	<u>Personnel</u>		<u>Categorized Program Expenses</u>			<u>Total</u>
	<u>Estimated Manhours</u>	<u>Labor</u>	<u>Services</u>	<u>Program Info</u>	<u>Misc.</u>	
2015	2,000	\$71,780		\$800	\$5,000	\$77,580

This program is considered to be informational; therefore, forms IRP-8 and IRP-9 are not required.

**Form IRP-GAS-5. Program Description**

**Company:** UGI Central Penn Gas, Inc.

**Contact:** M.D. Powell

**Program:** Cogeneration/Distributed Generation

**Proposed  Existing**

**OBJECTIVES:**

Perform preliminary cogeneration studies to provide information on energy savings to commercial and industrial customers.

Disseminate information on energy savings available to commercial and industrial customers considering conservation.

**DETAILS OF ACTIVITY AND IMPLEMENTATION SCHEDULE:**

Conduct feasibility studies showing energy savings available through cogeneration.

Disseminate information through seminars to targeted groups such as hospital engineers, administrators, and engineering firms.

**ACTUAL AND/OR ANTICIPATED RESULTS:**

Year	Peak Load Reduction KW	Energy Savings			Other Results
		Electric MWH	Gas MCF	Oil Gallons*	
2014	1,000			662,500/yr	Cogeneration will reduce wasted energy inherent in conventional boilers and oil-fired electric generating equipment

\*Assuming #6 oil is burned at the power plant.

**MONETARY AND PERSONNEL RESOURCES:**

Year	Personnel		Categorized Program Expenses			Total
	Estimated Manhours	Labor	Services	Program Info	Misc.	
2014	650	\$19,234			\$3,500	\$22,734

Installation grants for small systems.

**Form IRP-GAS-5. Program Description**

**Company:** UGI Central Penn Gas, Inc.

**Contact:** M.D. Powell

**Program:** Cogeneration/Distributed Generation **Proposed    Existing   X**

**OBJECTIVES:**

Perform preliminary cogeneration studies to provide information on energy savings to commercial and industrial customers.

Disseminate information on energy savings available to commercial and industrial customers considering conservation.

**DETAILS OF ACTIVITY AND IMPLEMENTATION SCHEDULE:**

Conduct feasibility studies showing energy savings available through cogeneration.

Disseminate information through seminars to targeted groups such as hospital engineers, administrators, and engineering firms.

**ACTUAL AND/OR ANTICIPATED RESULTS:**

Year	Peak Load Reduction KW	Energy Savings			Other Results
		Electric MWH	Gas MCF	Oil Gallons*	
2015	1,000			662,500/yr.	Cogeneration will reduce wasted energy inherent in conventional boilers and oil-fired electric generating equipment

\*Assuming #6 oil is burned at the power plant.

**MONETARY AND PERSONNEL RESOURCES:**

Year	Personnel		Categorized Program Expenses			
	Estimated Manhours	Labor	Services	Program Info	Misc.	Total
2015	650	\$23,329			\$3,500	\$26,829

Installation grants for small systems.

**Form IRP-GAS-5. Program Description**

**Company:** UGI Central Penn Gas, Inc.

**Contact:** M.D. Powell

**Program:** Natural Gas Vehicles

**Proposed    Existing   X**

**OBJECTIVES:**

To expedite the use of natural gas as a clean fuel alternative in commercial fleets, transit authorities, municipal fleets, and fork lifts by distributing information, doing feasibility studies, providing technical support and offering rebates.

**DETAILS OF ACTIVITY AND IMPLEMENTATION SCHEDULE:**

*Of the alternative fuels identified to satisfy the requirements of the Clean Air Act, natural gas is the best choice. Natural gas emits fewer reactive hydrocarbons, carbon monoxide and nitrogen oxides than any other proposed fuel. Natural gas emits virtually no particulates, unlike diesel fuel. At approximately \$1.60 per equivalent gallon, natural gas represents a cost savings opportunity for fleet operators. Furthermore, using natural gas as a vehicle fuel significantly reduces America's dependence on imported oil. UGI has targeted working with Transportation Authorities and Government Fleets on continued and expanded use of Natural Gas Vehicles.*

**ACTUAL AND/OR ANTICIPATED RESULTS:**

Year	Peak Load Reduction KW	Energy Savings			Other Results
		Electric MWH	Diesel Gallons	Oil Gallons	
2014	N/A		10,920/yr		Improved Air Quality

**MONETARY AND PERSONNEL RESOURCES:**

Year	Personnel		Categorized Program Expenses			Total
	Estimated Manhours	Labor	Services	Program Info	Misc.	
2014	400	\$5,128			\$1,500	\$6,628

<sup>(1)</sup> This is a new program for CPG and there are no known projects at this time.

**Form IRP-GAS-5. Program Description**

**Company:** UGI Central Penn Gas, Inc.

**Contact:** M.D. Powell

**Program:** Natural Gas Vehicles

**Proposed    Existing   X**

**OBJECTIVES:**

To expedite the use of natural gas as a clean fuel alternative in commercial fleets, transit authorities, municipal fleets, and fork lifts by distributing information, doing feasibility studies, providing technical support and offering rebates.

**DETAILS OF ACTIVITY AND IMPLEMENTATION SCHEDULE:**

Of the alternative fuels identified to satisfy the requirements of the Clean Air Act, natural gas is the best choice. Natural gas emits fewer reactive hydrocarbons, carbon monoxide and nitrogen oxides than any other proposed fuel. Natural gas emits virtually no particulates, unlike diesel fuel. At approximately \$1.80 per equivalent gallon, natural gas represents a cost savings opportunity for fleet operators. Furthermore, using natural gas as a vehicle fuel significantly reduces America's dependence on imported oil. UGI has targeted working with Transportation Authorities and Government Fleets on continued and expanded use of Natural Gas Vehicles.

**ACTUAL AND/OR ANTICIPATED RESULTS:**

Year	Peak Load Reduction KW	Energy Savings			Other Results
		Electric MWH	Diesel Gallons	Oil Gallons	
2015	N/A		10,920 / yr.		Improved Air Quality

**MONETARY AND PERSONNEL RESOURCES:**

Year	Personnel		Categorized Program Expenses			Total
	Estimated Manhours	Labor	Services	Program Info	Misc.	
2015	400	\$5,384			\$1,500	\$6,884

**Form IRP-GAS-5. Program Description**

**Company:** UGI Central Penn Gas, Inc.

**Contact:** M.D. Powell

**Program:** Underground Storage Tank Removal Proposed  Existing

**OBJECTIVES:**

To promote the removal of underground storage tanks to industrial and commercial customers, non-customers, and engineering design professionals. Sales representatives meet with customers, non-customers and design professionals to assist them in identifying applications and equipment which would provide energy and cost savings by utilizing natural gas and replacing alternative fuels. Target advertising, seminars and brochures are used to distribute this information.

**DETAILS OF ACTIVITY AND IMPLEMENTATION SCHEDULE:**

Work with over 500 industrial and 10,000 commercial customers to recommend cost- and energy-efficient improvements in heating, water heating, cooking and process applications when conversions are made from alternate fuels to natural gas. Sales representatives meet with non-customers identified by the sales representative or identified by a response to advertising, seminar attendance or contact with design professionals. These conversions are generally from oil to natural gas, and the storage tanks and alternate energy utilization equipment are permanently placed out of service. This reduces imported oil use, promotes cleaner air and minimizes potential underground pollution by reducing the number of underground storage tanks.

**ACTUAL AND/OR ANTICIPATED RESULTS:**

Year	Peak Load Reduction KW	Energy Savings			Other Results
		Electric MWH	Gas MCF	Oil Gallons	
2014	N/A			0.4 mm/yr	

**MONETARY AND PERSONNEL RESOURCES:**

Year	Personnel		Categorized Program Expenses			Total
	Estimated Manhours	Labor	Services	Program Info	Misc.	
2014	350	\$10,420			\$2,500	\$12,920

**Form IRP-GAS-5. Program Description**

**Company:** UGI Central Penn Gas, Inc.

**Contact:** M.D. Powell

**Program:** Underground Storage Tank Removal Proposed  Existing

**OBJECTIVES:**

To promote the removal of underground storage tanks to industrial and commercial customers, non-customers, and engineering design professionals. Sales representatives meet with customers, non-customers and design professionals to assist them in identifying applications and equipment which would provide energy and cost savings by utilizing natural gas and replacing alternative fuels. Target advertising, seminars and brochures are used to distribute this information.

**DETAILS OF ACTIVITY AND IMPLEMENTATION SCHEDULE:**

Work with over 500 industrial and 10,000 commercial customers to recommend cost- and energy-efficient improvements in heating, water heating, cooking and process applications when conversions are made from alternate fuels to natural gas. Sales representatives meet with non-customers identified by the sales representative or identified by a response to advertising, seminar attendance or contact with design professionals. These conversions are generally from oil to natural gas, and the storage tanks and alternate energy utilization equipment are permanently placed out of service. This reduces imported oil use, promotes cleaner air and minimizes potential underground pollution by reducing the number of underground storage tanks.

**ACTUAL AND/OR ANTICIPATED RESULTS:**

Year	Peak Load Reduction KW	Energy Savings			Other Results
		Electric MWH	Gas MCF	Oil Gallons	
2015	N/A			0.4 MM/yr.	

**MONETARY AND PERSONNEL RESOURCES:**

Year	Personnel		Categorized Program Expenses			Total
	Estimated Manhours	Labor	Services	Program Info	Misc.	
2015	350	\$12,562			\$2,500	\$15,062

**Form IRP-GAS-5. Program Description**

**Company:** UGI Central Penn Gas, Inc.

**Contact:** M.D. Powell

**Program:** Commercial & Industrial Newsletters/Public Events

**Proposed    Existing   X**

**OBJECTIVES:**

To provide customers with updates on new technology and energy-efficient products, to capsulize industry news, and to report on energy-related topics and studies that may affect customers' businesses.

**DETAILS OF ACTIVITY AND IMPLEMENTATION SCHEDULE:**

UGI subscribes to Gas Technology magazine and distributes copies quarterly to area design professionals. This publication promotes the efficient utilization of natural gas technologies in both industrial and commercial applications. In addition, UGI produces case studies of applications of energy efficient natural gas applications within our service territory and distributes these to design professionals and end users.

**ACTUAL AND/OR ANTICIPATED RESULTS:**

Year	Peak Load Reduction KW	Energy Savings			Other Results
		Electric MWH	Gas MCF	Oil Gallons*	
2014	It is difficult to estimate energy reduction achieved by providing educational articles on energy topics to customers.				

**MONETARY AND PERSONNEL RESOURCES:**

Year	Personnel		Categorized Program Expenses			Total
	Estimated Manhours	Labor	Services	Program Info	Misc.	
2014	200	\$6,500	\$1,000		\$5,000	\$12,500



**Form IRP-GAS-5. Program Description**

**Company:** UGI Central Penn Gas, Inc.

**Contact:** M.D. Powell

**Program:** Commercial & Industrial Newsletters/ Public Events

**Proposed  Existing**

**OBJECTIVES:**

To provide customers with updates on new technology and energy-efficient products, to capsulize industry news, and to report on energy-related topics and studies that may affect customers' businesses.

**DETAILS OF ACTIVITY AND IMPLEMENTATION SCHEDULE:**

UGI subscribes to Gas Technology magazine and distributes copies quarterly to area design professionals. This publication promotes the efficient utilization of natural gas technologies in both industrial and commercial applications. In addition, UGI produces case studies of applications of energy efficient natural gas applications within our service territory and distributes these to design professionals and end users.

UGI partners with America's Natural Gas Alliance to host the Think About Energy Briefings, which focuses on the discussion of natural gas supplies, production, consumption and infrastructure. The Briefings are held 3-4 times per year at various locations across UGI's territory. The event is open to the business community, and both legislative and PUC officials.

**ACTUAL AND/OR ANTICIPATED RESULTS:**

Year	Peak Load Reduction KW	Energy Savings			Other Results
		Electric MWH	Gas MCF	Oil Gallons*	
2015	It is difficult to estimate energy reduction achieved by providing educational articles on energy topics to customers.				

**MONETARY AND PERSONNEL RESOURCES:**

Year	Personnel		Categorized Program Expenses			
	Estimated Manhours	Labor	Services	Program Info	Misc.	Total
2015	200	\$7,178	\$1,000		\$5,000	\$13,178

**Form IRP-GAS-5. Program Description**

**Company:** UGI Central Penn Gas, Inc.

**Contact:** D. Leuffen

**Program:** Mass Media Advertising

**Proposed    Existing   X**

**OBJECTIVES:**

The primary advantage of mass media advertising is that it allows UGI to educate all consumers, including customers as well as non-customers, about the efficiency and cost savings benefit of natural gas over other fuels such as oil, electricity or propane. This information allows consumers to make choices that reduce the use of all energies and save money on individual household bills.

**DETAILS OF ACTIVITY AND IMPLEMENTATION SCHEDULE:**

In 2014, UGI developed a developed a TV commercial with the theme of “Be a Winner” which aired on NBC stations during the winter Olympics. The campaign was supported by online advertising and social media outreach. The goals of this campaign are to educate consumers on the savings when they switch to natural gas and encourage consumers to complete UGI’s online natural gas availability form to check for access to gas.

**ACTUAL AND/OR ANTICIPATED RESULTS:**

<u>Year</u>	<u>Peak Load Reduction KW</u>	<u>Energy Savings</u>			<u>Other Results</u>
		<u>Electric MWH</u>	<u>Gas MCF</u>	<u>Oil Gallons</u>	
2014	N/A	0	N/A	0	

**MONETARY AND PERSONNEL RESOURCES:**

<u>Year</u>	<u>Personnel</u>		<u>Categorized Program Expenses</u>			<u>Total</u>
	<u>Estimated Manhours</u>	<u>Labor</u>	<u>Services</u>	<u>Program Info</u>	<u>Misc.</u>	
2014	100	\$4,000	\$10,000		\$30,000	\$44,000

**Form IRP-GAS-5. Program Description**

**Company:** UGI Central Penn Gas, Inc.

**Contact:** J.J. Swope

**Program:** UGI Website

Proposed  Existing

**OBJECTIVES:**

Disseminate conservation tips to a wide range of customers and non-customers throughout UGI's service territory.

**DETAILS OF ACTIVITY AND IMPLEMENTATION SCHEDULE:**

In 2012, UGI developed and introduced a character, "The Energy Guy at UGI", to convey conservation and energy education information as part of a branding campaign. The Energy Guy at UGI provides a host of energy saving tips and is featured on [www.ugi.com](http://www.ugi.com). In 2013, UGI is redesigning the Company's website and will retain and enhance energy education sections by including an interactive energy cost calculator. In 2014, UGI introduced an enhanced children's section to the website designed and written by a third-party contractor with certified elementary teachers on staff. This section includes general energy, conservation and safety information and includes a number of activities.

**ACTUAL AND/OR ANTICIPATED RESULTS:**

Year	Peak Load Reduction KW	Energy Savings			Other Results
		Electric MWH	Gas MCF	Oil Gallons	
2014	N/A	N/A	N/A	N/A	

**MONETARY AND PERSONNEL RESOURCES:**

Year	Personnel		Categorized Program Expenses			Total
	Estimated Manhours	Labor	Services	Program Info	Misc.	
2014	150	\$20,000	\$55,000			\$75,000

**Form IRP-GAS-5. Program Description**

**Company:** UGI Central Penn Gas, Inc.

**Contact:** J.J. Swope

**Program:** UGI Website

Proposed  Existing

**OBJECTIVES:**

Disseminate conservation tips to a wide range of customers and non-customers throughout UGI's service territory.

**DETAILS OF ACTIVITY AND IMPLEMENTATION SCHEDULE:**

In 2012, UGI developed and introduced a character, "The Energy Guy at UGI", to convey conservation and energy education information as part of a branding campaign. The Energy Guy at UGI provides a host of energy saving tips and is featured on [www.ugi.com](http://www.ugi.com). In 2013, UGI is redesigning the Company's website and will retain and enhance energy education sections by including an interactive energy cost calculator. In 2014, UGI introduced an enhanced children's section to the website designed and written by a third-party contractor with certified elementary teachers on staff. This section includes general energy, conservation and safety information and includes a number of activities. Further enhancements to this site will be included in a comprehensive redesign of the site in 2015 as part of the company re-brand.

**ACTUAL AND/OR ANTICIPATED RESULTS:**

Year	Peak Load Reduction KW	Energy Savings			Other Results
		Electric MWH	Gas MCF	Oil Gallons	
2015	N/A	N/A	N/A	N/A	

**MONETARY AND PERSONNEL RESOURCES:**

Year	Personnel		Categorized Program Expenses			Total
	Estimated Manhours	Labor	Services	Program Info	Misc.	
2015	150	\$20,000	\$55,000			\$75,000

**Form IRP-GAS-6. Energy Users Impacts  
2014**

Company: CPG

Energy Users	Number of Customers (Year End)	Annual Energy Consumption (MWH or MCF)	Conservation Impact (MW Reduction or MWH/MCF Savings)	
			Target	Actual
Residential (Heating)	66,524	6,745,022		
Residential (Other)	3,109	73,959		
Commercial	9,043	3,299,161		
Industrial	139	326,066		
Street Lighting				
Railroads				
Resale	0	0		
Interruptible	0	0		
Subtotal	78,815	10,444,207		
Other (Specify):				
- Delivery Service (Including Choice)	2,181	15,480,942		
Total Gas Used - Both Gas Sold by CPG and Gas Delivered by CPG	80,996	25,925,149		

Form IRP-GAS-7 Program Summary  
2014

Company: UGI Central Penn Gas, Inc.

	Peak Load Reduction	Energy Use Change	Allocated Manhours	Categorized Program Expenses				
				Labor	Serv.	Prog. Info.	Misc.	Total
Conservation Messages On Hold	N/A	N/A	20	\$1,000			\$6,000	\$7,000
Conservation Education & Tools	N/A	N/A	10	\$500			\$3,000	\$3,500
Customer Newsletter - "The Gasline"	N/A	N/A	100	\$10,000	\$45,000			\$55,000
Low Income Usage Reduction Program	N/A		3,983	\$199,141	\$163,222	\$67,074		\$429,437
Customer Cares Program	N/A	N/A	713	\$8,553		\$2,331	\$16,700	\$27,584
Residential Conversion Program - Ahead of Construction	N/A	N/A	100	\$2,000		\$5,000	\$8,000	\$15,000
Residential Conversion Program - Ahead of Paving	N/A	N/A	50	\$1,000		\$1,000	\$1,000	\$3,000
Apartment Conversion Program	N/A	N/A	100	\$2,000		\$500		\$2,500
HVAC Trade Allies	N/A	N/A	N/A					
Industrial & Commercial Energy Efficiency Program	N/A	21,296/Mcf Gas	2,000	\$57,449		\$800	\$5,000	\$63,249
Cogeneration/Distributed Generation	1000 KW	662,500 Gal. Oil	650	\$19,234			\$3,500	\$22,734
Natural Gas Vehicles	N/A	10,920 Diesel Gals.	400	\$5,128			\$1,500	\$6,628
Underground Storage Tank Removal	N/A	0.4 MM Gals.	350	\$10,420			\$2,500	\$12,920
Commercial & Industrial Newsletters/Public Events	N/A	N/A	200	\$6,500	\$1,000		\$5,000	\$12,500
Mass Media Advertising	N/A	N/A	100	\$4,000	\$10,000		\$30,000	\$44,000
UGI Website	N/A	N/A	150	\$20,000	\$55,000			\$75,000
<b>TOTAL</b>			<b>8,926</b>	<b>\$346,925</b>	<b>\$274,222</b>	<b>\$76,705</b>	<b>\$82,200</b>	<b>\$780,052</b>

Form IRP-GAS-7 Program Summary  
2015

Company: UGI Central Penn Gas, Inc.

	Peak Load Reduction	Energy Use Change	Allocated Manhours	Categorized Program Expenses				
				Labor	Serv.	Prog. Info.	Misc.	Total
Conservation Messages On Hold	N/A	N/A	20	\$1,000			\$6,000	\$7,000
Conservation Education & Tools	N/A	N/A	10	\$500			\$3,000	\$3,500
Customer Newsletter - "The Gasline"	N/A	N/A	100	\$10,000	\$45,000			\$55,000
Low Income Usage Reduction Program	N/A	N/A						\$500,000
Customer Cares Program	N/A	N/A	N/A					\$18,000
Residential Conversion Program - Ahead of Construction	N/A	N/A	100	\$2,000		\$5,000		\$7,000
Residential Conversion Program - Ahead of Paving	N/A	N/A	50	\$1,000		\$1,000		\$2,000
Apartment Conversion Program	N/A	N/A	100	\$2,000		\$500		\$2,500
HVAC Trade Allies	N/A	N/A	N/A					
Industrial & Commercial Energy Efficiency Program	N/A	21,296/Mcf Gas	2,000	\$71,780		\$800	\$5,000	\$77,580
Cogeneration/Distributed Generation	1,000 KW	662,600 Gal. Oil	650	\$23,329			\$3,500	\$26,829
Natural Gas Vehicles	N/A	10,920 Diesel Gals.	400	\$5,384			\$1,500	\$6,884
Underground Storage Tank Removal	N/A	0.4 MM Gals.	350	\$12,562			\$2,500	\$15,062
Commercial & Industrial Newsletters\Public Events	N/A	N/A	200	\$7,178	\$1,000		\$5,000	\$13,178
UGI Website	N/A	N/A	150	\$20,000	\$55,000			\$75,000
<b>TOTAL</b>			<b>4,130</b>	<b>\$156,733</b>	<b>\$101,000</b>	<b>\$7,300</b>	<b>\$26,500</b>	<b>\$809,533</b>

FORM IRP-GAS-8. COST-BENEFIT ANALYSIS RESULTS

COMPANY: UGI Central Penn Gas, Inc.  
 PROGRAM: 2014 Low Income Usage Reduction Program  
 CONTACT: Yvette Belfort

Period of Analysis		Total Utility Benefits (Bu)	Total Utility Costs (Cu)	Revenue Reduction Cost (Cr)	Participant Revenue Requirement (Rp)	Total Participant Benefits (Bp)	Total Participant Costs (Cp)	Total All Ratepayers Benefits (Ba)	Total All Ratepayers Costs (Ca)
Beginning Year	Ending Year	\$	\$	\$	\$	\$	\$	\$	\$
2014	2031	575,271	464,041	1,435,419	N/A	1,536,720	0	507,312	464,041

Discounted Payback Period	Net Present Value				Benefit-Cost Ratio				Rate Impact Non-Participant (RIMnp) \$/MCF
	Participant (NPVp)	Non-Participant (NPVnp)	Utility (NPVu)	Ratepayers (NPVa)	Participant (BCRp)	Non-Participant (BCRnp)	Utility (BCRu)	Ratepayers (BCRa)	
N/A	1,536,720	(1,310,580)	111,230	43,271	N/A	0.3	1.2	1.1	\$0.13

Bu = Total Utility Benefits from avoided marginal energy costs. NPV of (MCE\*E).  
 Cu = Total Utility Program Costs excluding direct incentives.  
 Cr = Cost of Revenue Reduction from Participants. NPV of [(E\*ACE)-UA].  
 Rp = Participant Portion of Gross Revenue Requirement - can be ignored if < 0.5% of system sales.  
 Bp = Total Participant Benefits. NPV of (E\*ACE)+TC+I.  
 Cp = Total Participant Costs.  
 Ba = Total All Ratepayers' Benefits. NPV of (E\*MCE)+UA  
 Ca = Total All Ratepayers' Cost. NPV of UC+(PC-TC)  
 NPVp = Bp-Cp  
 BCRp = Bp/Cp  
 $NPVnp = (1-\eta)(Bu-Cu-Cr-CI)$   
 $BCRnp = Bu/(Cu+Cr+CI)$   
 $NPVu = Bu-Cu$   
 $BCRu = Bu/Cu$   
 $NPVa = Ba-Ca$   
 $BCRa = Ba/Ca$   
 $RIMnp = (Cu+Cr+CI-Bu)/S$