

**BEFORE THE  
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

**VOLUME I  
(Part 3 of 3)**

**RESPONSES TO FILING REQUIREMENTS**

**ON BEHALF OF  
PHILADELPHIA GAS WORKS**

**PHILADELPHIA GAS WORKS**

**R-2020-3017206**

**FEBRUARY 2020**

### III. BALANCE SHEET AND OPERATING STATEMENT

#### E. GAS UTILITIES, IN ADDITION TO PROVIDING THE INFORMATION REQUESTED IN "A." HEREINABOVE:

III.E.1. If Unrecovered Fuel Cost policy is implemented, provide the following:

III.E.1.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.)

III.E.1.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:

1.a.

Over/under collection of fuel costs for the period September 2019 through August 2020 are anticipated to be immaterial at the end of the test year.

Over/under collection of fuel costs for the period September 2020 through August 2021 are anticipated to be immaterial at the end of the test year.

1.b.

The opening unrecovered fuel cost at the beginning of the test year is \$1,936. This amount is in the test year operating account. See attached spreadsheet. (C Factor - \$495 + E Factor \$1,441 = \$1,936).



**FISCAL YEAR 2020  
PHILADELPHIA GAS WORKS  
C-FACTOR RECONCILIATION**

MONTH	NET COST	TOTAL	C FACTOR	C FACTOR	LOAD BALANCING	LNG SALES GCR	TOTAL	NATURAL GAS	OVER/	CUMULATIVE
	OF FUEL	GCR	% of GCR	REVENUE	REVENUE	REVENUE	C FACTOR	REFUNDS	(UNDER)	OVER/(UNDER)
1	2	3	4 = (2 * 3)	5	6	7 = (4 + 5 + 6)	8	9 = (7 + 8 - 1)	10	(\$)
(\$)	(\$)		(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)
SEPTEMBER 2019	7,996,758	3,912,772	99.4%	3,887,930	215,581	7,413	4,110,924	0	(3,885,834)	(3,885,834)
OCTOBER	11,913,330	5,562,798	99.1%	5,512,629	217,223	7,660	5,737,511	0	(6,175,819)	(10,061,654)
NOVEMBER	16,862,866	12,419,546	99.1%	12,307,539	218,284	7,413	12,533,235	0	(4,329,631)	(14,391,284)
DECEMBER	26,666,433	22,977,178	99.1%	22,769,955	219,388	7,660	22,997,003	0	(3,669,430)	(18,060,714)
JANUARY 2020	31,237,951	42,465,273	99.1%	42,082,294	220,495	7,660	42,310,449	0	11,072,497	(6,988,217)
FEBRUARY	27,387,703	35,898,044	99.1%	35,574,292	221,604	7,166	35,803,062	0	8,415,359	1,427,142
MARCH	21,763,023	28,414,961	99.1%	28,158,697	222,714	7,660	28,389,071	0	6,626,048	8,053,190
APRIL	13,245,800	18,057,129	99.1%	17,894,278	223,823	7,413	18,125,514	0	4,879,714	12,932,904
MAY	9,657,816	7,898,701	99.1%	7,827,465	224,933	7,660	8,060,058	0	(1,597,758)	11,335,146
JUNE	8,393,469	4,948,226	99.1%	4,903,599	226,042	7,413	5,137,054	0	(3,256,416)	8,078,730
JULY	8,451,180	4,381,281	99.1%	4,341,768	227,152	7,660	4,576,580	0	(3,874,600)	4,204,130
AUGUST	8,442,802	4,039,675	99.1%	4,003,242	228,265	7,660	4,239,167	0	(4,203,635)	495
Totals	192,019,132	190,975,585		189,263,688	2,665,504	90,435	192,019,627	0	495	

**FISCAL YEAR 2020  
PHILADELPHIA GAS WORKS  
E-FACTOR RECONCILIATION**

MONTH	PRIOR YEAR	E-FACTOR	GCR SALES		TOTAL E-FACTOR VOLUMES		TOTAL GCR REVENUE		E-FACTOR % of GCR	E-FACTOR GCR REVENUE		OVER/(UNDER) PROJECTED RECOVERY
			1	(MCF)	2	(MCF)	3	(\\$)		4	(\\$)	
SEPTEMBER 2019	Estimated		852,233		852,233		\$ 3,912,772		0.6%	\$ 23,905		\$ (1,448,690)
OCTOBER	Estimated		1,214,744		1,214,744		\$ 5,562,798		0.8%	\$ 43,123		\$ (1,405,567)
NOVEMBER	Estimated		2,712,047		2,712,047		\$ 12,419,546		0.8%	\$ 96,278		\$ (1,309,289)
DECEMBER	Estimated		5,017,509		5,017,509		\$ 22,977,178		0.8%	\$ 178,122		\$ (1,131,167)
JANUARY 2020	Estimated		9,273,108		9,273,108		\$ 42,465,273		0.8%	\$ 329,195		\$ (801,972)
FEBRUARY	Estimated		7,839,028		7,839,028		\$ 35,898,044		0.8%	\$ 278,285		\$ (523,687)
MARCH	Estimated		6,204,953		6,204,953		\$ 28,414,961		0.8%	\$ 220,276		\$ (303,411)
APRIL	Estimated		3,943,121		3,943,121		\$ 18,057,129		0.8%	\$ 139,981		\$ (163,430)
MAY	Estimated		1,724,833		1,724,833		\$ 7,898,701		0.8%	\$ 61,232		\$ (102,198)
JUNE	Estimated		1,080,540		1,080,540		\$ 4,948,226		0.8%	\$ 38,359		\$ (63,839)
JULY	Estimated		956,737		956,737		\$ 4,381,281		0.8%	\$ 33,964		\$ (29,875)
AUGUST	Estimated		882,141		882,141		\$ 4,039,675		0.8%	\$ 31,316		\$ 1,441
<b>TOTAL</b>			<b>41,700,993</b>		<b>41,700,993</b>		<b>190,975,585</b>			<b>1,474,036</b>		<b>\$ (1,472,595)</b>

### **III. BALANCE SHEET AND OPERATING STATEMENT**

III.E.2. Provide details of items and amounts comprising the accounting entries for Deferred Fuel Cost at the beginning and end of the test year.

**RESPONSE:**

Please see the attached schedule, which supports the deferred fuel costs at the beginning of the test year. GCR Statement of Reconciliation for September 2018 – August 2019.

Over/under collection of the fuel costs for the period September 2019 – August 2020 are anticipated to be immaterial at the end of the test year.

Over/under collection of the fuel costs for the period September 2020 – August 2021 are anticipated to be immaterial at the end of the test year.

ACTUAL FISCAL YEAR 2019  
PHILADELPHIA GAS WORKS

Rate	7/1/2018		9/1/2018		10/1/2018		12/1/2018		1/1/2019		3/1/2019		4/1/2019		6/1/2019		7/1/2019	
	Actual	%	Actual	%	Actual	%	Actual	%	Actual	%	Actual	%	Actual	%	Actual	%	Actual	%
SSC in Effect	\$ 3,631.7	100.3%	\$ 3,893.1	104.0%	\$ 4,154.4	107.5%	\$ 4,430.3	106.3%	\$ 4,706.2	105.2%	\$ 4,840.2	103.5%	\$ 4,974.2	102.0%	\$ 4,662.2	101.9%	\$ 4,350.1	101.8%
GAC in Effect	\$ (0.0091)	-0.3%	\$ (0.1493)	-4.0%	\$ (0.2894)	-7.5%	\$ (0.2571)	-6.2%	\$ (0.2247)	-5.0%	\$ (0.1576)	-3.4%	\$ (0.0904)	-1.9%	\$ (0.0821)	-1.8%	\$ (0.0737)	-1.7%
IRC in Effect	\$ (0.0016)	0.0%	\$ (0.0017)	0.0%	\$ (0.0017)	0.0%	\$ (0.0055)	-0.1%	\$ (0.0092)	-0.2%	\$ (0.0076)	-0.2%	\$ (0.0059)	-0.1%	\$ (0.0050)	-0.1%	\$ (0.0040)	-0.1%
Total Effective	\$ 3,621.0	100%	\$ 3,742.2	100%	\$ 3,863.3	100%	\$ 4,167.8	100%	\$ 4,472.3	100%	\$ 4,675.1	100%	\$ 4,877.9	100%	\$ 4,575.2	100%	\$ 4,272.4	100%

Percentage of Total

C-Factor	E-Factor	Interest	Final E-Factor
100.3%	104.0%	107.5%	106.3%
-0.3%	-4.0%	-7.5%	-6.2%
0.0%	0.0%	0.0%	-0.1%
100%	100%	100%	100%

C-Factor

Demand Charge in Effect	Commodity in Effect
\$ 0.8835	\$ 1.0108
\$ 2.7482	\$ 2.8822
\$ 3.6317	\$ 3.8930

Percentage of Total

Demand Charge in Effect	Commodity in Effect
24.3%	26.0%
75.7%	74.0%
100%	100%

C-Factor E-Factor Interest FY 2018

Over/(Under)	Over/(Under)	Over/(Under)	Final E-Factor
\$ 10,484,734	\$ 379,812	\$ 571,436	\$ 11,435,982

Fiscal Year 2018 E-Factor

Actual	Sep-2018		Oct-2018		Nov-2018		Dec-2018		Jan-2019		Feb-2019		Mar-2019		Apr-2019		May-2019		June-2019		July-2019		Aug-2019		FY-2019 Totals			
	Actual	%	Actual	%	Actual	%	Actual	%	Actual	%	Actual	%	Actual	%	Actual	%	Actual	%	Actual	%	Actual	%	Actual	%	Actual	%		
GCR Firm Sales	\$ 928,526	100%	\$ 1,244,665	134%	\$ 3,698,101	398%	\$ 6,380,788	688%	\$ 7,770,814	805%	\$ 8,247,721	856%	\$ 6,730,403	715%	\$ 3,651,708	391%	\$ 1,156,829	124%	\$ 1,668,694	178%	\$ 915,491	98%	\$ 827,970	89%	\$ 43,221,710	465%		
GCR Revenue Billed *	\$ 3,506,061	100%	\$ 4,806,212	137%	\$ 14,283,135	407%	\$ 26,740,273	763%	\$ 34,724,168	990%	\$ 36,895,962	1053%	\$ 31,660,064	908%	\$ 17,799,947	508%	\$ 5,326,906	152%	\$ 8,136,341	232%	\$ 3,930,519	111%	\$ 3,536,088	101%	\$ 191,345,675	548%		
Migration Rider Revenue Billed	\$ -	0%	\$ -	0%	\$ -	0%	\$ -	0%	\$ -	0%	\$ -	0%	\$ -	0%	\$ -	0%	\$ -	0%	\$ -	0%	\$ -	0%	\$ -	0%	\$ -	0%	\$ -	0%
Load Balancing Billed	\$ 118,414	3%	\$ 111,261	3%	\$ 113,201	3%	\$ 132,144	3%	\$ 138,673	3%	\$ 138,538	3%	\$ 143,923	3%	\$ 195,309	5%	\$ 198,928	5%	\$ 198,928	5%	\$ 202,902	5%	\$ 202,716	5%	\$ 204,812	5%	\$ 1,900,821	5%
LNG Sales Demand Charge Credit	\$ 854	0%	\$ -	0%	\$ -	0%	\$ -	0%	\$ -	0%	\$ -	0%	\$ 2,232	0%	\$ -	0%	\$ -	0%	\$ -	0%	\$ -	0%	\$ -	0%	\$ -	0%	\$ -	0%
Total Revenue Billed	\$ 3,625,329	100%	\$ 4,917,473	136%	\$ 14,396,336	397%	\$ 26,872,417	742%	\$ 34,862,841	961%	\$ 37,034,500	1023%	\$ 31,806,219	878%	\$ 17,995,257	497%	\$ 5,529,807	153%	\$ 8,335,269	230%	\$ 4,133,234	114%	\$ 3,740,900	103%	\$ 193,249,582	534%		
Natural Gas Refunds	\$ -	0%	\$ 2,740	0%	\$ 214	0%	\$ -	0%	\$ -	0%	\$ -	0%	\$ -	0%	\$ -	0%	\$ -	0%	\$ 425	0%	\$ -	0%	\$ 3,582	0%	\$ 350	0%	\$ 7,311	0%
Demand Charges	\$ 4,826,933	100%	\$ 4,889,826	101%	\$ 3,967,485	82%	\$ 3,966,548	82%	\$ 3,964,756	82%	\$ 4,923,422	102%	\$ 3,863,160	80%	\$ 4,923,422	102%	\$ 5,880,654	122%	\$ 5,751,513	118%	\$ 6,996,060	145%	\$ 7,090,490	145%	\$ 6,982,988	145%	\$ 63,103,835	172%
Supply Charges	\$ 1,979,702	100%	\$ 7,004,905	354%	\$ 18,822,275	951%	\$ 27,771,827	1401%	\$ 30,273,531	1531%	\$ 21,932,903	1111%	\$ 18,466,863	843%	\$ 6,393,368	323%	\$ 4,092,830	207%	\$ 4,092,830	207%	\$ 2,702,891	136%	\$ 1,750,737	88%	\$ 1,847,079	93%	\$ 143,038,911	7231%
Net Cost of Fuel	\$ 6,806,635	100%	\$ 11,894,731	175%	\$ 22,789,760	335%	\$ 31,738,375	466%	\$ 34,238,287	503%	\$ 34,238,287	503%	\$ 25,796,063	378%	\$ 23,390,285	343%	\$ 12,274,022	180%	\$ 9,844,343	143%	\$ 8,841,227	128%	\$ 8,841,227	128%	\$ 8,830,067	128%	\$ 206,142,746	3030%

\* The GCR Revenue Billed has been revised from November 2018 through August 2019

**FISCAL YEAR 2019  
PHILADELPHIA GAS WORKS  
C-FACTOR RECONCILIATION**

MONTH	1	2	3	C FACTOR		5	6	TOTAL C FACTOR		8	9	10
	NET COST OF FUEL	TOTAL GCR REVENUE BILLED	% of GCR	REVENUE BILLED	LOAD BALANCING REVENUE	LNG SALES GCR BILLED REVENUE		REVENUE BILLED	NATURAL GAS REFUNDS	OVER/ (UNDER) RECOVERY	CUMULATIVE OVER/(UNDER)	
	(\$)	(\$)		4 = (2 * 3)	(\$)	(\$)	(\$)	7 = (4 + 5 + 6)	(\$)	(\$)	(\$)	(\$)
SEPTEMBER 2018	6,806,635	3,506,061	104.0%	3,647,441	118,414	854	3,766,708	0	(3,039,927)	(3,039,927)		
OCTOBER	11,894,731	4,806,212	107.5%	5,168,361	111,261	0	5,279,622	2,740	(6,612,369)	(9,652,296)		
NOVEMBER	22,789,760	14,283,135	107.5%	15,359,371	113,201	0	15,472,572	214	(7,316,974)	(16,969,270)		
DECEMBER	31,738,375	26,740,273	106.3%	28,424,452	132,144	0	28,556,596	0	(3,181,779)	(20,151,049)		
JANUARY 2019	34,238,287	34,724,168	105.2%	36,540,232	138,673	0	36,678,905	0	2,440,618	(17,710,431)		
FEBRUARY	25,796,063	36,895,962	105.2%	38,825,610	138,538	0	38,964,148	0	13,168,085	(4,542,346)		
MARCH	23,390,285	31,660,064	103.5%	32,778,131	143,923	2,232	32,924,286	0	9,534,001	4,991,655		
APRIL	12,274,022	17,799,947	102.0%	18,151,356	195,309	0	18,346,665	0	6,072,643	11,064,298		
MAY	9,844,343	8,136,341	102.0%	8,296,969	198,928	0	8,495,897	425	(1,348,021)	9,716,277		
JUNE	9,698,951	5,326,906	101.9%	5,428,201	202,902	0	5,631,103	0	(4,067,848)	5,648,429		
JULY	8,841,227	3,930,519	101.8%	4,002,001	202,716	0	4,204,717	3,582	(4,632,928)	1,015,500		
AUGUST	8,830,067	3,536,088	101.8%	3,600,397	204,812	0	3,805,209	350	(5,024,508)	(4,009,007)		
<b>Total</b>	206,142,746	191,345,675		200,222,521	1,900,821	3,085	202,126,428	7,311	(4,009,007)			







**FISCAL YEAR 2020  
PHILADELPHIA GAS WORKS  
C-FACTOR RECONCILIATION**

MONTH	NET COST	TOTAL	C FACTOR	C FACTOR	LOAD BALANCING	LNG SALES GCR	TOTAL	NATURAL GAS	OVER/	CUMULATIVE
	OF FUEL	GCR	% of GCR	REVENUE	REVENUE	REVENUE	C FACTOR	REFUNDS	(UNDER)	OVER/UNDER)
	1	2	3	4 = (2 * 3)	5	6	7 = (4 + 5 + 6)	8	9 = (7 + 8 - 1)	10
	(\$)	(\$)		(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)
SEPTEMBER 2019	7,996,758	3,912,772	99.4%	3,887,930	215,581	7,413	4,110,924	0	(3,885,834)	(3,885,834)
OCTOBER	11,913,330	5,562,798	99.1%	5,512,629	217,223	7,660	5,737,511	0	(6,175,819)	(10,061,654)
NOVEMBER	16,862,866	12,419,546	99.1%	12,307,539	218,284	7,413	12,533,235	0	(4,329,631)	(14,391,284)
DECEMBER	26,666,433	22,977,178	99.1%	22,769,955	219,388	7,660	22,997,003	0	(3,669,430)	(18,060,714)
JANUARY 2020	31,237,951	42,465,273	99.1%	42,082,294	220,495	7,660	42,310,449	0	11,072,497	(6,988,217)
FEBRUARY	27,387,703	35,898,044	99.1%	35,574,292	221,604	7,166	35,803,062	0	8,415,359	1,427,142
MARCH	21,763,023	28,414,961	99.1%	28,158,697	222,714	7,660	28,389,071	0	6,626,048	8,053,190
APRIL	13,245,800	18,057,129	99.1%	17,894,278	223,823	7,413	18,125,514	0	4,879,714	12,932,904
MAY	9,657,816	7,898,701	99.1%	7,827,465	224,933	7,660	8,060,058	0	(1,597,758)	11,335,146
JUNE	8,393,469	4,948,226	99.1%	4,903,599	226,042	7,413	5,137,054	0	(3,256,416)	8,078,730
JULY	8,451,180	4,381,281	99.1%	4,341,768	227,152	7,660	4,576,580	0	(3,874,600)	4,204,130
AUGUST	8,442,802	4,039,675	99.1%	4,003,242	228,265	7,660	4,239,167	0	(4,203,635)	495
Totals	192,019,132	190,975,585		189,263,688	2,665,504	90,435	192,019,627	0	495	

**FISCAL YEAR 2020  
PHILADELPHIA GAS WORKS  
E-FACTOR RECONCILIATION**

MONTH	GCR SALES 1	TOTAL		E-FACTOR % of GCR 4	TOTAL GCR REVENUE BILLED 3	E-FACTOR GCR REVENUE BILLED 5=(3 * 4)	OVER/(UNDER) PROJECTED RECOVERY 6
		E-FACTOR VOLUMES 2	(MCF)				
PRIOR YEAR E-FACTOR							
SEPTEMBER 2019	852,233	852,233		0.6%	3,912,772	23,905	(1,448,690)
OCTOBER	1,214,744	1,214,744		0.8%	5,562,798	43,123	(1,405,567)
NOVEMBER	2,712,047	2,712,047		0.8%	12,419,546	96,278	(1,309,289)
DECEMBER	5,017,509	5,017,509		0.8%	22,977,178	178,122	(1,131,167)
JANUARY 2020	9,273,108	9,273,108		0.8%	42,465,273	329,195	(801,972)
FEBRUARY	7,839,028	7,839,028		0.8%	35,898,044	278,285	(523,687)
MARCH	6,204,953	6,204,953		0.8%	28,414,961	220,276	(303,411)
APRIL	3,943,121	3,943,121		0.8%	18,057,129	139,981	(163,430)
MAY	1,724,833	1,724,833		0.8%	7,898,701	61,232	(102,198)
JUNE	1,080,540	1,080,540		0.8%	4,948,226	38,359	(63,839)
JULY	956,737	956,737		0.8%	4,381,281	33,964	(29,875)
AUGUST	882,141	882,141		0.8%	4,039,675	31,316	1,441
<b>TOTAL</b>	<b>41,700,993</b>	<b>41,700,993</b>			<b>190,975,585</b>	<b>1,474,036</b>	

**GCR 8 (c)**



**FISCAL YEAR 2020  
PHILADELPHIA GAS WORKS  
C-FACTOR RECONCILIATION**

MONTH	1	2	3	C FACTOR		5	6	TOTAL		8	9 = (7 + 8 - 1)	10
	NET COST OF FUEL	TOTAL GCR REVENUE BILLED	% of GCR	REVENUE BILLED	LOAD BALANCING REVENUE	LNG SALES GCR BILLED REVENUE	REVENUE BILLED	C FACTOR REVENUE BILLED	7 = (4 + 5 + 6)	NATURAL GAS REFUNDS	OVER/ (UNDER) RECOVERY	CUMULATIVE OVER/(UNDER)
	(\$)	(\$)		(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)
SEPTEMBER 2020	8,627,071	3,853,652	99.5%	3,836,101	229,526	7,449	7,449	4,073,076	0	(4,553,996)	(4,553,996)	
OCTOBER	11,526,774	5,446,081	100.0%	5,445,960	230,147	7,697	7,697	5,683,805	0	(5,842,969)	(10,396,965)	
NOVEMBER	16,451,267	12,149,746	100.0%	12,149,477	230,770	7,449	7,449	12,387,695	0	(4,063,572)	(14,460,537)	
DECEMBER	26,243,633	22,466,571	100.0%	22,466,073	231,674	7,697	7,697	22,705,444	0	(3,538,189)	(17,998,726)	
JANUARY 2021	30,597,123	41,525,724	100.0%	41,524,803	232,295	7,697	7,697	41,764,796	0	11,167,673	(6,831,053)	
FEBRUARY	26,439,076	35,024,937	100.0%	35,024,161	232,921	6,952	6,952	35,264,034	0	8,824,958	1,993,905	
MARCH	21,719,304	26,583,093	100.0%	26,582,504	233,559	7,697	7,697	26,823,760	0	5,104,455	7,098,360	
APRIL	13,193,577	18,240,573	100.0%	18,240,169	234,181	7,449	7,449	18,481,798	0	5,288,221	12,386,581	
MAY	9,627,803	8,240,411	100.0%	8,240,229	234,802	7,697	7,697	8,482,728	0	(1,145,076)	11,241,506	
JUNE	8,317,311	4,841,938	100.0%	4,841,830	235,439	7,449	7,449	5,084,718	0	(3,232,593)	8,008,913	
JULY	8,374,310	4,290,521	100.0%	4,290,426	236,060	7,697	7,697	4,534,183	0	(3,840,127)	4,168,786	
AUGUST	8,368,894	3,955,864	100.0%	3,955,776	236,681	7,697	7,697	4,200,154	0	(4,168,740)	46	
Totals	189,486,144	186,619,113		186,597,509	2,798,056	90,625	90,625	189,486,190	0	46	46	

**FISCAL YEAR 2020  
PHILADELPHIA GAS WORKS  
E-FACTOR RECONCILIATION**

MONTH	PRIOR YEAR	E-FACTOR	GCR SALES		TOTAL E-FACTOR		TOTAL GCR		E-FACTOR % of GCR	E-FACTOR GCR REVENUE BILLED	OVER/(UNDER) PROJECTED RECOVERY
			1	(MCF)	2	(MCF)	3	(MCF)			
			(MCF)	(MCF)	(MCF)	(MCF)	(MCF)	(MCF)	(%)	(\$)	(\$)
SEPTEMBER 2020	Estimated		847,916		847,916		3,853,652		0.4%	\$ 15,220	\$ (16,546)
OCTOBER	Estimated		1,207,476		1,207,476		5,446,081		0.0%	\$ 483	\$ (16,063)
NOVEMBER	Estimated		2,693,778		2,693,778		12,149,746		0.0%	\$ 1,078	\$ (14,985)
DECEMBER	Estimated		4,981,170		4,981,170		22,466,571		0.0%	\$ 1,992	\$ (12,993)
JANUARY 2021	Estimated		9,206,865		9,206,865		41,525,724		0.0%	\$ 3,683	\$ (9,310)
FEBRUARY	Estimated		7,765,545		7,765,545		35,024,937		0.0%	\$ 3,106	\$ (6,204)
MARCH	Estimated		5,893,864		5,893,864		26,583,093		0.0%	\$ 2,358	\$ (3,846)
APRIL	Estimated		4,044,204		4,044,204		18,240,573		0.0%	\$ 1,618	\$ (2,228)
MAY	Estimated		1,827,021		1,827,021		8,240,411		0.0%	\$ 731	\$ (1,498)
JUNE	Estimated		1,073,529		1,073,529		4,841,938		0.0%	\$ 429	\$ (1,068)
JULY	Estimated		951,272		951,272		4,290,521		0.0%	\$ 381	\$ (688)
AUGUST	Estimated		877,073		877,073		3,955,864		0.0%	\$ 351	\$ (337)
<b>TOTAL</b>			41,369,713		41,369,713		186,619,113			\$ 3,1429	\$ (31,766)

GCR 8 (c)

Philadelphia Gas Works' Base Rate Filing

**III. BALANCE SHEET AND OPERATING STATEMENT**

III.E.3. Submit a schedule showing a reconciliation of test year MCF sales and line losses. List all amounts of gas purchased, manufactured and transported.

**RESPONSE:**

Please see attached spreadsheet.



**Test Year FY 2021**

	mcf
<b>CITY GATE REQUIREMENTS</b>	
<b>Sendout:</b>	
Firm Customers	42,823,392
Co-Gen	12,943
LNG Sales	50,001
Firm Transport	6,774,080
GTS	13,150,399
IT	<u>14,308,344</u>
<b>Total Sendout</b>	77,119,159
<b>Misc Plant Use</b>	105,865
<b>Storage Injection/WD Fuel</b>	344,033
<b>Storage Injected</b>	14,730,144
<b>Transportation Fuel</b>	1,081,887
<b>LNG Liquified</b>	<u>1,784,439</u>
<b>Total Required</b>	95,165,527
<b>CITY GATE SOURCES</b>	
<b>PGW Pipeline Supply</b>	45,375,159
<b>Interruptible Transport Supply</b>	27,458,743
<b>Pipeline delivered to FT</b>	<u>6,072,465</u>
<b>Total Net Pipeline</b>	78,906,367
<b>Gross Storage Withdrawal</b>	13,995,467
<b>Storage Delivered to FT</b>	701,616
<b>Total Storage</b>	14,697,083
<b>LNG Boiloff + Vaporization Gas Sales</b>	1,562,077
<b>LNG delivered to FT</b>	<u>0</u>
<b>Total Net LNG</b>	1,562,077
<b>Sources</b>	95,165,527
<b>Total Billed Sales</b>	41,432,976
<b>Company Use</b>	270,438
<b>Firm Transport Sales</b>	6,615,379
<b>GTS</b>	13,150,399
<b>IT</b>	13,922,018
<b>Total Accounted For</b>	75,391,211
<b>Total Sendout</b>	77,119,158
<b>Line Loss (UAF) Volumes</b>	1,727,947
<b>Line Loss (UAF) %</b>	2%

### **III. BALANCE SHEET AND OPERATING STATEMENT**

III.E.4. 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.

III.E.4.a. Break down changes in number of customers by rate schedules.

III.E.4.b. If an annualization adjustment for changes in customers and changes in volume sold is not submitted, please explain.

#### **RESPONSE:**

There are not any adjustments to revenues for annualization of changes in number of customers and annualization of changes in volume sold.

**III. BALANCE SHEET AND OPERATING STATEMENT**

III.E.5. Submit a schedule showing the sources of gas supply associated with annualized MCF sales.

**RESPONSE:**

Please see attached spreadsheet.

ExhA-III.E.5

FY 2021

<b>CITY GATE SOURCES</b>	<b>MCF</b>
PGW Pipeline Supply	45,375,159
Interruptible Transport Supply	27,458,743
Pipeline delivered to FT	<u>6,072,465</u>
Total Net Pipeline	78,906,367
Gross Storage Withdrawal	13,995,467
Storage Delivered to FT	<u>701,616</u>
Total Storage	14,697,083
LNG Boiloff + Vaporization Gas Sales	1,580,170
LNG delivered to FT	<u>-</u>
Total Net LNG	1,580,170
LNG BTU Adjustment	(18,093)
<b>TOTAL SOURCES</b>	<b>95,165,527</b>

**III. BALANCE SHEET AND OPERATING STATEMENT**

III.E.6. Supply, by classification, Operating Revenues—Miscellaneous for test year.

**RESPONSE:**

Please see below for Operating Revenues FY2019, FY2020 and FY2021.

PHILADELPHIA GAS WORKS  
 OPERATING REVENUE AND OTHER INCOME  
 TWELVE MONTHS ENDED AUGUST 31, 2019

**OPERATING REVENUES**

**SALES OF GAS**

480.0	Residential Sales	\$ 513,531,333
481.0	Commercial & Industrial Sales	97,972,943
482.0	Public Authority Sales	7,218,778
483.0	Sales for Resale	6,472
489.3	Gas Transportation Service Sales	63,565,169
495.0	Other Gas Revenues	13,062,880
	Total Gas Revenues	<u>\$ 695,357,574</u>

**OTHER OPERATING REVENUE**

487.0	Forfeited Discounts	8,801,142
488.0	Miscellaneous Service Revenue	2,644,384
	Total Other Revenue	<u>\$ 11,445,526</u>

**PLUS APPLIANCE & OTHER REVENUE REPORTED AS A CREDIT  
 TO OPERATING EXPENSE ACCOUNTS**

879.0	Customer Installation Expense	5,337,031
903.0	Customer Records & Collection Expense	2,571,404
	Total OPEX Credits	<u>\$ 7,908,435</u>

904.0	Appropriation for Uncollectible Reserve	\$ (29,982,997)
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	<b>TOTAL OPERATING REVENUE</b>	<u>\$ 684,728,538</u>
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PHILADELPHIA GAS WORKS  
OPERATING REVENUE AND OTHER INCOME  
TWELVE MONTHS ENDED AUGUST 31, 2020

**OPERATING REVENUES**

**SALES OF GAS**

480.0	Residential Sales	\$ 502,252,000
481.0	Commercial & Industrial Sales	94,781,000
482.0	Public Authority Sales	9,173,000
483.0	Sales for Resale	7,000
489.3	Gas Transportation Service Sales	66,377,000
495.0	Other Gas Revenues	<u>(1,354,000)</u>
	Total Gas Revenues	\$ 671,236,000

**OTHER OPERATING REVENUE**

487.0	Forfeited Discounts	9,349,000
488.0	Miscellaneous Service Revenue	<u>1,718,000</u>
	Total Other Revenue	\$ 11,067,000

**PLUS APPLIANCE & OTHER REVENUE REPORTED AS A CREDIT  
TO OPERATING EXPENSE ACCOUNTS**

879.0	Customer Installation Expense	5,338,000
903.0	Customer Records & Collection Expense	<u>2,572,000</u>
	Total OPEX Credits	\$ 7,910,000
904.0	Appropriation for Uncollectible Reserve	\$ (30,927,000)
	TOTAL OPERATING REVENUE	<u><u>\$ 659,286,000</u></u>

PHILADELPHIA GAS WORKS  
 OPERATING REVENUE AND OTHER INCOME  
 TWELVE MONTHS ENDED AUGUST 31, 2021

**OPERATING REVENUES**

**SALES OF GAS**

480.0	Residential Sales	\$ 496,459,000
481.0	Commercial & Industrial Sales	92,607,000
482.0	Public Authority Sales	9,135,000
483.0	Sales for Resale	7,000
489.3	Gas Transportation Service Sales	67,767,000
495.0	Other Gas Revenues	40,000
	Total Gas Revenues	<u>\$ 666,015,000</u>

**OTHER OPERATING REVENUE**

487.0	Forfeited Discounts	9,474,000
488.0	Miscellaneous Service Revenue	1,690,000
	Total Other Revenue	<u>\$ 11,164,000</u>

**PLUS APPLIANCE & OTHER REVENUE REPORTED AS A CREDIT  
 TO OPERATING EXPENSE ACCOUNTS**

879.0	Customer Installation Expense	5,392,000
903.0	Customer Records & Collection Expense	2,572,000
	Total OPEX Credits	<u>\$ 7,964,000</u>

904.0	Appropriation for Uncollectible Reserve	\$ (29,951,000)
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	TOTAL OPERATING REVENUE	<u><u>\$ 655,192,000</u></u>
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### III. BALANCE SHEET AND OPERATING STATEMENT

III.E.7. Provide details of respondent's attempts to recover uncollectible and delinquent accounts.

**RESPONSE:**

PGW follows 66 Pa. C.S. Chapter 14 statutory requirements and 52 Pa. Code Chapter 56 regulations for collection of residential and commercial customers' delinquent account balances. PGW assesses the collections risk of every account on a monthly basis. Depending on risk score, income level, and time of year, PGW utilizes outbound calling and/or execution of the service termination process to address delinquent accounts.

PGW refers final bill and bad debt placements to collection agencies for continuing collection activity. When service is terminated, the customer receives a final bill. Once the due date for the final bill has passed, PGW sends the customer a delinquency notice and places the account with a primary collection agency. If the primary collection agency is unable to collect the balance within 90 days, PGW writes off the balance and the account remains with the agency for another 90 days. If the primary collection agency is unable to collect the balance within 180 days, the account is sent to a secondary collection agency. If the secondary collection agency is unable to collect the balance within 180 days, the account is sent to a tertiary placement for two years. If the tertiary collection agency is unable to collect the balance within two years, the account is returned to PGW.

PGW also conducts ongoing internal matching and transfers bad debt account balances if the delinquent customer opens a new account with PGW.

**III. BALANCE SHEET AND OPERATING STATEMENT**

III.E.8. 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:**

Not applicable.

### III. BALANCE SHEET AND OPERATING STATEMENT

III.E.9. Describe the procedures involved in determining whether forfeited discounts or penalties are applied to customer billing.

**RESPONSE:**

Below are the Gas Service Tariff provisions addressing the application of finance charges and return check fees to customer bills.

4.2. FINANCE CHARGE ON LATE PAYMENTS. PGW will assess a late penalty for any overdue bill, in an amount which does not exceed 1.5% interest per month on the full unpaid and overdue balance of the bill. These charges are to be calculated on the overdue portions of PGW Charges only. The interest rate, when annualized, may not exceed 18% simple interest per annum. Late Payment Charges will not be imposed on disputed estimated bills, unless the estimated bill was required because utility personnel were unable to access the affected premises to obtain an Actual Meter Reading.

4.3. DISHONORED PAYMENTS. If a Customer tenders payment which is subsequently dishonored under 13 Pa.C.S. § 3502 (relating to dishonor) or a Customer tenders payment with an access device, as defined in 18 Pa.C.S. § 4106(d) (relating to access device fraud) which is unauthorized, revoked or canceled, the Customer shall be deemed as not having made a payment on the account. A Customer who tenders a dishonored, unauthorized, revoked or canceled payment may be required to make future payments by money order, bank check, or cash for a period of one year. A charge will be assessed to the Customer's account by PGW for each dishonored payment

**III. BALANCE SHEET AND OPERATING STATEMENT**

III.E.10. 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:**

There are not any rate changes occurring during the fully projected test year.

**III. BALANCE SHEET AND OPERATING STATEMENT**

III.E.11. Provide a detailed billing analysis supporting present and proposed rates by customer classification and/or tariff rate schedule.

**RESPONSE:**

See attached worksheet.





**III. BALANCE SHEET AND OPERATING STATEMENT**

III.E.12. 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 attached spreadsheet



	SEPTEMBER 2017	OCTOBER 2017	NOVEMBER 2017	DECEMBER 2017	JANUARY 2018	FEBRUARY 2018	MARCH 2018	APRIL 2018	MAY 2018	JUNE 2018	JULY 2018	AUGUST 2018	TOTAL
<b>NON-HEATING</b>													
RESIDENTIAL	18,593	16,554	30,576	47,801	75,367	54,585	48,490	46,309	28,046	19,426	16,559	14,315	418,621
RESIDENTIAL AC	0	0	0	0	0	0	0	0	0	0	0	0	0
CRP	288	327	857	2,021	3,495	2,757	2,370	2,235	929	420	408	377	16,484
COMMERCIAL	52,585	52,585	74,714	97,714	138,907	105,748	107,818	97,184	53,860	52,274	48,213	47,982	930,619
COMMERCIAL AC	1,687	1,687	0	0	0	0	0	0	0	29	15	0	3,418
INDUSTRIAL	4,691	4,691	9,882	14,173	23,770	15,595	14,282	10,887	6,159	4,977	4,594	5,141	118,832
INDUSTRIAL AC	2,714	2,714	6,537	12,748	17,975	16,102	11,242	15,110	5,845	3,252	3,102	2,943	100,285
MUNICIPAL	331	331	0	0	0	0	0	0	0	0	687	1,379	2,650
MUNICIPAL AC	139	139	149	135	115	110	128	154	124	92	160	142	1,574
NGV FIRM	81,028	81,028	122,750	174,593	259,629	194,887	184,330	171,879	94,963	60,549	74,748	72,279	1,592,663
<b>TOTAL FIRM NON-HEATING</b>													
<b>INTERRUPTIBLE</b>													
BPS-SMALL	0	0	0	0	0	0	0	0	0	0	0	0	0
BPS-LARGE	0	0	0	0	0	0	0	0	0	0	0	0	0
BPS-H	0	0	0	0	0	0	0	0	0	0	0	0	0
BPS-AC	0	0	0	0	0	0	0	0	0	0	0	0	0
LBS-XL-D	0	0	0	0	0	0	0	0	0	0	0	0	0
LBS-XL-J	0	0	0	0	0	0	0	0	0	0	0	0	0
LBS-L-D	0	0	0	0	0	0	0	0	0	0	0	0	0
LBS-L-J	0	0	0	0	0	0	0	0	0	0	0	0	0
LBS-S-INDIRECT	0	0	0	0	0	0	0	0	0	0	0	0	0
LBS-S	0	0	0	0	0	0	0	0	0	0	0	0	0
LNG SALES	1,670	11,046	2,756	2,532	3,077	28,293	1,161	1,296	3,053	729	782	0	32,867
COGEN	0	0	0	0	0	2,975	0	0	1,111	1,062	1,160	1,043	30,969
GTS SALES	0	0	0	0	0	0	0	0	0	0	0	0	0
NGV	1,670	11,046	2,756	2,532	3,077	31,268	1,161	1,296	4,164	1,791	1,952	1,043	63,856
<b>TOTAL INTERRUPTIBLE</b>													
<b>TOTAL NON-HEATING</b>	82,698	92,074	125,506	177,225	262,706	226,155	185,491	173,175	99,127	82,340	76,700	1,185	1,656,519
<b>HEATING</b>													
RESIDENTIAL	619,707	638,838	1,675,460	3,846,582	7,053,138	4,794,867	4,074,836	3,666,384	1,421,851	702,699	571,579	522,787	28,588,727
RESIDENTIAL AC	0	0	0	0	0	0	0	0	0	0	0	0	0
CRP	97,116	109,984	349,988	809,355	1,384,137	988,230	861,202	768,139	305,248	117,527	87,705	77,776	5,956,407
COMMERCIAL	3,625	3,924	10,072	23,729	42,130	25,795	20,912	10,912	5,735	3,449	3,449	2,919	186,755
COMMERCIAL AC	183,542	183,542	420,314	770,285	1,342,161	938,765	850,140	719,765	324,894	183,196	174,017	161,938	6,264,305
INDUSTRIAL	5,559	6,365	23,896	48,166	86,299	56,742	50,584	35,947	13,950	9,147	9,729	10,329	356,713
INDUSTRIAL AC	7,699	9,791	33,506	71,398	111,997	83,715	73,800	68,933	26,040	11,453	7,728	6,509	521,967
MUNICIPAL	743	1,444	3,306	6,155	10,724	8,836	7,828	7,199	2,794	1,206	884	754	51,883
PHA	917,991	965,634	2,516,547	5,575,666	10,029,986	6,911,432	5,943,587	5,291,502	2,105,688	1,030,009	855,101	783,012	42,926,157
<b>TOTAL HEATING</b>	999,019	1,046,662	2,635,297	5,750,261	10,289,615	7,106,319	6,127,916	5,463,381	2,200,651	1,110,558	929,849	783,154	44,518,619
<b>TOTAL FIRM HTG &amp; NON-HTG</b>	1,000,689	1,057,708	2,642,053	5,752,893	10,292,692	7,137,587	6,129,077	5,464,677	2,204,815	1,112,349	931,801	784,197	44,562,675
<b>GAS SALES</b>													
<b>FIRM TRANSPORT NON HEATING</b>													
RESIDENTIAL	69	72	128	185	281	219	221	213	116	341	339	347	2,531
COMMERCIAL	27,198	24,392	38,990	46,003	62,016	47,160	47,447	42,919	30,828	25,854	23,362	24,471	440,660
INDUSTRIAL	10,203	8,278	13,630	14,522	19,100	15,532	17,353	9,662	15,725	10,851	9,239	8,844	155,094
MUNICIPAL	2,524	2,775	4,389	7,246	10,147	9,421	6,930	6,876	5,718	3,412	2,107	1,971	63,516
NGV	417	317	251	285	238	224	265	141	249	166	216	106	2,895
<b>TOTAL FT NON-HEATING</b>	40,411	37,989	57,388	68,241	91,782	72,576	72,216	59,811	52,636	40,644	35,263	35,739	664,696
<b>FIRM TRANSPORT HEATING</b>													
RESIDENTIAL	1,751	2,226	5,559	12,016	22,110	15,781	15,120	15,609	6,957	10,630	10,287	10,377	128,423
COMMERCIAL	102,677	118,886	257,593	371,608	589,516	414,655	403,290	313,191	157,951	111,679	95,863	100,204	3,037,103
INDUSTRIAL	8,399	6,278	22,151	36,554	60,858	28,663	34,687	25,370	9,625	6,667	7,425	8,124	258,931
MUNICIPAL	3,936	3,767	17,356	53,224	86,992	66,670	48,023	45,957	11,807	3,330	2,322	2,404	347,788
HOUSING AUTHORITY	10,715	17,289	50,211	61,077	50,934	67,201	19,996	10,836	19,996	10,836	10,190	9,614	470,013
<b>TOTAL FT HEATING</b>	127,468	150,446	352,860	534,579	853,132	594,990	569,414	451,061	206,336	145,162	126,087	130,723	4,242,258
<b>TOTAL FIRM TRANSPORT</b>	167,879	188,435	410,248	602,820	944,914	667,566	641,630	510,872	258,972	185,806	161,350	166,462	4,906,954
<b>TOTAL SALES &amp; FIRM TRANSPORT</b>	1,168,568	1,246,143	3,052,301	6,355,713	11,237,606	7,805,153	6,770,707	5,975,549	2,463,787	1,298,155	1,093,151	950,659	48,489,629
<b>GTS TRANSPORT</b>	1,427,063	1,789,507	3,111,647	1,697,042	2,727,690	2,382,167	2,973,536	2,158,520	1,768,328	1,718,322	1,779,378	1,641,194	25,174,414
<b>TOTAL SALES &amp; ALL TRANSPORT</b>	2,595,631	3,035,650	6,163,948	8,052,755	13,965,296	10,187,340	9,744,243	8,134,069	4,232,115	3,016,477	2,872,529	2,591,853	74,664,043

	SEPTEMBER 2018	OCTOBER 2018	NOVEMBER 2018	DECEMBER 2018	JANUARY 2019	FEBRUARY 2019	MARCH 2019	APRIL 2019	MAY 2019	JUNE 2019	JULY 2019	AUGUST 2019	TOTAL
<b>NON-HEATING</b>													
RESIDENTIAL	16,082	18,415	34,570	50,788	60,669	62,592	51,990	35,434	23,125	18,683	15,438	13,045	400,831
RESIDENTIAL AC	0	0	0	0	0	0	0	0	0	0	0	0	0
CRP	486	664	2,109	3,690	4,623	4,943	4,326	7,677	1,335	825	767	778	27,367
COMMERCIAL	50,813	56,668	85,133	110,742	122,265	120,052	102,262	73,696	59,353	72,159	59,249	59,695	972,087
COMMERCIAL-AC	0	0	0	0	0	0	0	0	4	4	48	0	52
INDUSTRIAL	4,103	7,723	11,587	13,717	17,192	16,554	14,646	7,469	6,628	4,004	4,202	5,394	113,219
MUNICIPAL	2,961	3,357	8,813	15,791	15,907	18,056	15,120	9,880	3,646	3,482	3,065	2,619	102,697
MUNICIPAL-AC	627	0	0	0	0	0	0	0	0	0	468	197	1,292
NGV FIRM	100	102	75	54	94	82	84	83	73	67	47	56	917
TOTAL FIRM NON-HEATING	75,172	86,929	142,287	194,782	220,750	222,279	188,427	129,384	94,160	99,224	83,283	81,784	1,618,461
<b>INTERRUPTIBLE</b>													
BPS-SMALL	0	0	0	0	0	0	0	0	0	0	0	0	0
3 PARTY SALE	0	0	0	0	142,315	22,861	24,754	0	0	0	0	0	189,930
BPS-H	0	0	0	0	0	0	0	0	0	0	0	0	0
BPS-AC	0	0	0	0	0	0	0	0	0	0	0	0	0
LBS-XL-D	0	0	0	0	0	0	0	0	0	0	0	0	0
LBS-XL-I	0	0	0	0	0	0	0	0	0	0	0	0	0
LBS-L-D	0	0	0	0	0	0	0	0	0	0	0	0	0
LBS-L-I	0	0	0	0	0	0	0	0	0	0	0	0	0
LBS-S-INDIRECT	0	0	0	0	0	0	0	0	0	0	0	0	0
LBS-S-INDIRECT	750	0	0	0	0	0	1,678	0	0	0	0	0	2,428
LBS-S-INDIRECT	1,127	1,187	1,241	1,249	1,291	1,157	1,122	512	241	1,120	1,203	1,144	12,594
COGEN	0	0	0	0	0	0	0	0	0	0	0	0	0
GTS SALES	0	0	0	0	0	0	0	0	0	0	0	0	0
NGV	1,877	1,187	1,241	1,249	143,606	24,018	27,553	512	241	1,120	1,203	1,144	204,951
TOTAL INTERRUPTIBLE	1,877	1,187	1,241	1,249	143,606	24,018	27,553	512	241	1,120	1,203	1,144	204,951
<b>TOTAL NON-HEATING</b>	77,049	88,116	143,528	196,031	364,356	246,297	215,981	129,896	94,401	100,344	84,486	82,928	1,823,413
<b>HEATING</b>													
RESIDENTIAL	570,852	756,181	2,378,332	4,248,124	5,188,940	5,549,830	4,443,821	2,341,422	1,018,299	683,017	543,678	479,491	26,201,969
RESIDENTIAL-AC	0	0	0	0	0	0	0	0	0	0	0	0	0
CRP	88,085	135,692	521,156	895,390	1,078,526	1,147,113	975,524	560,267	248,044	138,170	92,760	81,059	5,982,786
HOUSING AUTHORITY-GS	3,415	4,553	15,052	26,001	31,472	33,586	33,011	18,819	9,016	5,394	3,608	3,114	187,042
COMMERCIAL	174,021	237,281	555,831	868,679	1,087,646	1,113,264	941,223	500,346	272,344	203,802	177,786	166,494	6,289,717
COMMERCIAL-AC	0	0	0	0	0	0	0	0	0	0	0	0	0
INDUSTRIAL	9,970	14,232	38,691	58,374	73,872	70,915	57,598	30,665	14,426	8,891	7,660	9,183	394,477
MUNICIPAL	6,861	7,951	39,662	80,237	80,573	102,033	83,184	45,556	10,269	17,855	6,459	6,076	486,216
MUNICIPAL-AC	776	1,479	7,090	7,201	9,035	8,701	7,615	5,250	2,136	981	772	965	52,001
PHA	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL HEATING	853,981	1,157,370	3,555,814	6,186,006	7,550,064	8,025,442	6,541,975	3,522,324	1,574,534	1,057,609	832,724	746,383	41,604,226
TOTAL FIRM HTG & NON-HTG	929,153	1,244,299	3,698,101	6,380,788	7,770,814	8,247,721	6,730,403	3,651,708	1,668,694	1,156,833	916,007	828,167	43,222,688
<b>GAS SALES</b>	931,030	1,245,486	3,699,342	6,382,037	7,914,420	8,271,739	6,757,956	3,652,220	1,668,935	1,157,853	917,210	829,311	43,427,639
<b>FIRM TRANSPORT NON HEATING</b>													
RESIDENTIAL	462	595	1,312	2,088	2,715	2,811	2,542	2,015	1,324	974	1,011	742	18,601
COMMERCIAL	27,626	32,195	45,122	51,452	62,338	55,971	50,579	39,460	31,938	25,818	27,503	24,989	474,991
INDUSTRIAL	8,212	9,440	14,675	15,435	19,059	17,768	14,406	12,163	10,259	8,382	9,454	7,541	146,794
MUNICIPAL	2,504	2,940	6,594	9,103	8,738	10,942	9,540	6,353	3,856	2,993	2,318	2,046	67,927
NGV	0	0	2	0	0	0	0	0	0	0	0	0	3
TOTAL FT NON-HEATING	38,804	45,171	67,705	78,088	92,850	87,492	77,068	59,991	47,377	38,167	40,286	35,318	708,317
<b>FIRM TRANSPORT HEATING</b>													
RESIDENTIAL	13,005	18,716	69,062	138,939	183,810	215,720	185,281	110,939	52,747	37,603	28,032	22,799	1,076,653
COMMERCIAL	100,630	166,440	310,512	414,919	509,100	490,036	407,142	244,109	152,920	105,601	105,317	91,516	3,088,242
INDUSTRIAL	8,010	11,628	24,597	32,368	43,334	37,043	30,871	16,810	11,633	8,619	11,633	8,619	242,762
MUNICIPAL	3,103	3,883	31,778	63,249	64,436	88,760	68,306	31,729	5,931	3,079	2,436	1,896	368,786
HOUSING AUTHORITY	9,905	26,572	56,588	63,602	85,205	74,245	39,030	10,829	10,829	10,829	10,829	10,829	470,776
TOTAL FT HEATING	134,653	227,239	492,537	713,077	885,886	905,804	758,511	442,617	241,286	166,396	155,060	134,154	5,257,220
<b>TOTAL FIRM TRANSPORT</b>	173,457	272,410	560,242	791,165	978,736	983,296	835,579	502,608	288,663	204,563	195,346	169,472	5,965,537
<b>TOTAL SALES &amp; FIRM TRANSPORT</b>	1,104,487	1,517,896	4,259,584	7,173,202	8,893,156	9,265,035	7,593,535	4,154,828	1,957,598	1,362,516	1,112,556	998,783	49,393,176
<b>GTS TRANSPORT</b>	1,737,808	1,752,026	2,712,329	2,838,991	3,265,547	3,000,314	2,800,088	1,892,282	1,751,247	1,732,107	1,763,553	1,747,928	26,994,220
<b>TOTAL SALES &amp; ALL TRANSPORT</b>	2,842,295	3,269,922	6,971,913	10,012,193	12,158,703	12,265,349	10,393,622	6,047,110	3,708,845	3,094,623	2,876,109	2,746,711	76,387,396





**III. BALANCE SHEET AND OPERATING STATEMENT**

III.E.13. 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:**

Not applicable.

### III. BALANCE SHEET AND OPERATING STATEMENT

III.E.14. Provide the following statements and schedules. The schedules and statements for the test year portion should be reconciled with the summary operating statement.

III.E.14.a. An operating revenues summary for the test year and the year preceding the test year showing the following (Gas MCF):

III.E.14.a.(i) For each major classification of customers

III.E.14.a.(i).(a) MCF sales

III.E.14.a.(i).(b) Dollar Revenues

III.E.14.a.(i) (c) Forfeited Discounts (Total if not available by classification)

III.E.14.a.(i).(d) Other and Miscellaneous revenues that are to be taken into the utility operating account along with their related costs and expenses.

III.E.14.a.(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.E.14.a.(iii) Segregate, from recorded revenues from the test year, the amount of revenues that are contained therein, by appropriate revenue categories, from:

III.E.14.a.(iii).(a) Adjustment Surcharge

III.E.14.a.(iii).(b) State Tax Surcharge

III.E.14.a.(iii)(c) Any other surcharge being used to collect revenues.

III.E.14.a.(iii)(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.]

III.14.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.

**III. BALANCE SHEET AND OPERATING STATEMENT**

**RESPONSE:**

E.14.a.(i).(a)

Please refer to the attached document titled “Philadelphia Gas Works, Sales Volumes (MCF)”.

E.14.a.(i).(b)

Please refer to the attached document titled “Philadelphia Gas Works, Billed Gas Revenue (\$000’s)”.

E.14.a.(i).(c)

Please refer to the table below titled “Other and Miscellaneous Revenue”.

E.14.a.(i).(d)

**OTHER AND MISCELLANEOUS REVENUE**

<b>FERC Account</b>	<b>Other Operating Revenue</b>	<b>FY 2020</b>	<b>FY 2021</b>
487.0	Forfeited Discounts	\$9,574,000	\$9,474,000
488.0	Misc. Service Revenue	1,500,000	1,500,000
495.0	Other Gas Revenues	190,000	190,000
	<b>TOTAL</b>	<b>\$11,264,000</b>	<b>\$11,164,000</b>

E.14.a.(ii)

Please refer to the response provided to Exhibit A.III.A.20 and testimony provided by Mr. Joseph F. Golden, Jr.

E.14.a.(iii).a

Please see the response to 52 Pa.Code § 53.62 (i.e. the December 1, 2019 Quarterly GCR Filing and the January 1, 2020 Quarterly DSIC Filing).

E.14.a.(iii).b

PGW does not have a state tax surcharge.

Philadelphia Gas Works' Base Rate Filing

**III. BALANCE SHEET AND OPERATING STATEMENT**

E.14.a.(iii).c

Please see the response to 52 Pa.Code § 53.62 (i.e. the December 1, 2019 Quarterly GCR Filing and the January 1, 2020 Quarterly DSIC Filing).

E.14.a.(iii).d

Please refer to the attached document titled "Philadelphia Gas Works, Customer Counts".

E.14.b.

PGW does not engage in sales for resale.



**PHILADELPHIA GAS WORKS  
SALES VOLUME (MCF)**

	<b>Budget</b>	<b>Forecast</b>
<b><u>Non-Heating Sales</u></b>	<b><u>2019-20</u></b>	<b><u>2020-21</u></b>
Residential	343	289
CRP Residential	30	32
Commercial	998	993
Commercial - AC	-	-
Industrial	97	94
Municipal	101	101
Municipal - AC	1	1
NGV Firm	1	1
<b>Total Firm Non-Heating Sales</b>	<b>1,571</b>	<b>1,511</b>
LNG Sales - Expander Liquefier	50	50
Co-Generation - Indirect	13	13
GTS - Sales	449	-
<b>Total Interruptible Sales</b>	<b>512</b>	<b>63</b>
<b>Total Non-Heating Sales</b>	<b>2,083</b>	<b>1,574</b>
<b><u>Heating Sales</u></b>		
Residential	27,211	26,625
CRP Residential	5,835	6,219
Commercial	6,044	5,985
Industrial	361	349
Municipal	458	458
Housing Authority	45	45
Housing Authority - GS	178	178
<b>Total Heating Sales</b>	<b>40,132</b>	<b>39,859</b>
<b>Net Billed Sales</b>	<b>42,215</b>	<b>41,433</b>
<b><u>FT Non-Heating Service</u></b>		
Residential	27	27
Commercial	530	536
Industrial	152	155
Municipal	68	67
NGV	0	0
<b>Total FT Non-Heating Service</b>	<b>777</b>	<b>785</b>
<b><u>FT Heating Sales</u></b>		
Residential	1,513	1,513
Commercial	3,223	3,259
Industrial	264	274
Municipal	375	375
PHA	410	410
<b>Total FT Heating Service</b>	<b>5,785</b>	<b>5,831</b>
<b><u>General Transportation Service</u></b>		
GTS- Transportation	26,430	27,072
<b>Total Billed Sales &amp; Transportation Volumes</b>	<b>75,207</b>	<b>75,121</b>

**PHILADELPHIA GAS WORKS**  
**BILLED GAS REVENUE (\$000's)**

<b>FERC</b>	<b>Non-Heating Revenues</b>	<b>Budget 2019-20</b>	<b>Forecast 2020-21</b>
4800	Residential	6,838	5,780
4800	CRP Residential	468	498
4800	CRP Discount	-102	-108
4810	Commercial	12,171	12,215
4810	Industrial	1,132	1,099
4820	Municipal	1,069	1,061
4830	NGV	7	7
4800	Residential DSIC Surcharge	399	366
4810	Commercial DSIC Surcharge	526	560
4810	Industrial DSIC Surcharge	50	52
4820	Municipal DSIC Surcharge	44	46
4830	NGV DSIC Surcharge	0	0
	<b>Total Firm Non-Heating Revenue</b>	<b>22,602</b>	<b>21,576</b>
	<b><u>Interruptible Revenue</u></b>		
4810	LNG Sales - Expander Liquefier	238	236
4810	Co-Generation - Indirect	51	51
4810	GTS - Sales	1,487	0
	<b>Total Interruptible Revenue</b>	<b>1,776</b>	<b>287</b>
	<b>Total Billed Non-Heating Revenue</b>	<b>24,378</b>	<b>21,863</b>
4950	Non-Heating GCR Adjustment	-82	3
	<b>Total Non-Heating Revenue</b>	<b>24,296</b>	<b>21,866</b>
	<b><u>Heating Revenue</u></b>		
4800	Residential	414,394	404,711
4800	CRP Residential	84,678	89,927
4800	CRP Discount	-29,287	-30,977
4810	Commercial	71,548	70,767
4810	Industrial	4,234	4,092
4820	Municipal	4,856	4,821
4820	PHA	2,981	2,969
4810	Residential DSIC Surcharge	24,777	26,262
4810	Commercial DSIC Surcharge	3,150	3,342
4810	Industrial DSIC Surcharge	186	193
4820	Municipal DSIC Surcharge	199	211
4820	PHA DSIC Surcharge	26	27
4800	Residential WNA Charge / (Credit)	85	0
4810	Commercial WNA Charge / (Credit)	6	0
4810	Industrial WNA Charge / (Credit)	1	0
4820	PHA-GS WNA Charge / (Credit)	0	0
4820	Municipal WNA Charge / (Credit)	-1	0
	<b>Total Billed Heating Revenue</b>	<b>581,833</b>	<b>576,345</b>
4950	Heating GCR Adjustment	-2,086	73
	<b>Total Heating Revenue</b>	<b>579,747</b>	<b>576,418</b>

**PHILADELPHIA GAS WORKS  
BILLED GAS REVENUE (\$000's)**

<u>FERC</u>	<u>FT Non-Heating Revenue</u>	<u>Budget 2019-20</u>	<u>Forecast 2020-21</u>
4893	FT Residential	412	479
4893	FT Commercial	3,530	3,578
4893	FT Industrial	980	1,006
4893	FT Municipal	436	435
4893	FT NGV	0	0
4893	FT Residential DSIC Surcharge	30	37
4893	FT Commercial DSIC Surcharge	256	276
4893	FT Industrial DSIC Surcharge	71	78
4893	FT Municipal DSIC Surcharge	32	34
	<b>Total FT Non-Heating Revenue</b>	<b>5,747</b>	<b>5,923</b>
	 <b><u>FT Heating Revenue</u></b>		
4893	FT Residential	15,502	16,030
4893	FT Commercial	21,173	21,516
4893	FT Industrial	1,711	1,790
4893	FT Municipal	2,208	2,207
4893	FT Housing Authority	2,920	2,931
4893	FT Residential DSIC Surcharge	1,124	1,236
4893	FT Commercial DSIC Surcharge	1,535	1,658
4893	FT Industrial DSIC Surcharge	124	138
4893	FT Municipal DSIC Surcharge	160	170
4893	FT PHA DSIC Surcharge	212	226
4893	FT Commercial WNA Charge / (Credit)	0	0
4893	FT Industrial WNA Charge / (Credit)	1	0
4893	FT Municipal WNA Charge / (Credit)	0	0
4893	FT PHA WNA Charge / (Credit)	0	0
	<b>Total FT Heating Revenue</b>	<b>46,670</b>	<b>47,902</b>
	 <b><u>General Transportation Service</u></b>		
4893	GTS- Transportation	1,096	1,096
4893	GTS- Cust/Cust Choice	12,855	12,835
4893	GTS- Sup/Cust Choice	11	11
	<b>Total GTS Revenue</b>	<b>13,962</b>	<b>13,942</b>
4950	Unbilled Gas Adjustment	617	-36
	<b>Total Billed Gas Revenues</b>	<b>671,039</b>	<b>666,015</b>

**PHILADELPHIA GAS WORKS  
CUSTOMER COUNTS**

	Average Number of Customers		Sales (Mcf)		Customer Counts	
	Budget 2019-20	Forecast 2020-21	Budget 2019-20	Forecast 2020-21	Budget Sep-01-2020	Forecast Aug-31-2021
<b><u>Firm Non-Heating</u></b>						
Residential	14,722	12,616	343	289	13,553	11,680
CRP Residential	470	502	30	32	486	516
Commercial	3,276	3,327	998	993	3,304	3,350
Commercial - AC	1	1	1	0	1	1
Industrial	99	97	97	94	98	97
Municipal	81	81	101	101	81	81
Municipal - Ac	1	1	1	1	1	1
NGV Firm	3	3	1	1	3	3
<b>Total Firm Non-Heating</b>	<b>18,653</b>	<b>16,628</b>	<b>1,572</b>	<b>1,511</b>	<b>17,527</b>	<b>15,729</b>
<b><u>Interruptible</u></b>						
LNG Sales	1	1	50	50	1	1
COGEN	2	2	13	13	2	2
GTS SALES	0	0	449	-	0	0
<b>Total Interruptible</b>	<b>3</b>	<b>3</b>	<b>512</b>	<b>63</b>	<b>3</b>	<b>3</b>
<b>Total Non-Heating</b>	<b>18,656</b>	<b>16,631</b>	<b>2,084</b>	<b>1,574</b>	<b>17,530</b>	<b>15,732</b>
<b><u>Firm Heating</u></b>						
Residential	389,872	383,535	27,211	26,627	380,380	376,922
CRP Residential	55,155	58,923	5,835	6,219	57,014	60,584
Housing Authority - GS	2,011	2,011	178	178	2,011	2,011
Commercial	18,027	18,432	6,044	5,985	18,248	18,618
Industrial	374	371	361	349	372	370
Municipal	401	401	458	458	401	401
PHA	220	220	45	45	220	220
<b>Total Firm Heating</b>	<b>466,060</b>	<b>463,893</b>	<b>40,132</b>	<b>39,861</b>	<b>458,646</b>	<b>459,126</b>
<b>Total Firm Non-Heating &amp; Heating</b>	<b>484,713</b>	<b>480,521</b>	<b>41,704</b>	<b>41,372</b>	<b>476,173</b>	<b>474,855</b>
<b>Total Non-Heating &amp; Heating</b>	<b>484,716</b>	<b>480,524</b>	<b>42,216</b>	<b>41,435</b>	<b>476,176</b>	<b>474,858</b>
<b><u>FT Non-Heating</u></b>						
Residential	1,184	1,590	27	26	1,507	1,672
Commercial	570	576	530	536	574	577
Industrial	37	39	152	155	38	39
Municipal	172	172	68	67	172	172
NGV	0	0	0	0	0	0
<b>Total FT Non-Heating</b>	<b>1,963</b>	<b>2,377</b>	<b>777</b>	<b>784</b>	<b>2,291</b>	<b>2,460</b>
<b><u>FT Heating</u></b>						
Residential	19,104	22,191	1,513	1,513	21,249	23,132
Commercial	2,504	2,579	3,223	3,259	2,539	2,619
Industrial	84	88	264	274	86	88
Municipal	195	195	375	375	195	195
Housing Authority	909	909	410	410	909	909
<b>Total FT Heating</b>	<b>22,796</b>	<b>25,962</b>	<b>5,785</b>	<b>5,831</b>	<b>24,978</b>	<b>26,943</b>
<b>Total Firm Transportation</b>	<b>24,759</b>	<b>28,339</b>	<b>6,562</b>	<b>6,615</b>	<b>27,269</b>	<b>29,403</b>
<b>Total Sales and Firm Transportation</b>	<b>509,475</b>	<b>508,863</b>	<b>48,778</b>	<b>48,050</b>	<b>503,445</b>	<b>504,261</b>

**III. BALANCE SHEET AND OPERATING STATEMENT**

III.E.15. State manner in which revenues are being presented for ratemaking purposes:

III.E.15.a. Accrued Revenues

III.E.15.b. Billed Revenues

III.E.15.c. Cash Revenues

Provide details of the method followed.

**RESPONSE:**

15.a. An accrual for gas used but not billed to customers is made for rate making purposes.

15.b. All other revenues for ratemaking purposes are presented on an as billed basis.

15.c. All other revenues for ratemaking purposes are presented on an as billed basis.

**III. BALANCE SHEET AND OPERATING STATEMENT**

III.E.16. 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 following unbilled accrual entry is anticipated to be made at the end of the fully projected future test year (August 31, 2021):

Account Description	Debit	Credit
495.0 Other Gas Revenues	\$36,000	
173.0 Accrued Utility Revenue		\$36,000

The following GCR entry is anticipated to be made at the beginning of the fully projected future test year (August 31, 2021):

Account Description	Debit	Credit
495.0 Other Gas Revenues	\$131,000	
186.0 Miscellaneous Deferred Debits		\$131,000

The following entry is anticipated to be made at the end of the fully projected future test year (August 31, 2021):

Account Description	Debit	Credit
495.0 Other Gas Revenues	\$207,000	
186.0 Miscellaneous Deferred Debits		\$207,000

The aforementioned entries are not reversed for ratemaking purposes.

**III. BALANCE SHEET AND OPERATING STATEMENT**

III.E.17. 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 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.

### III. BALANCE SHEET AND OPERATING STATEMENT

III.E.18. If the utility has a Fuel Adjustment Clause:

III.E.18.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.

III.E.18.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.

III.E.18.c. If fuel cost deferment is used at the end of the test year, give

III.E.18.c.(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.

III.E.18.c.(ii). The amount of deferred fuel cost that was removed from the test period and deferred to the period immediately following the test year.

III.E.18.d. State the amount of Fuel Adjustment Clause revenues credited to the test year operating account.

III.E.18.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.

III.E.18.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:**

18.a. There is not any base fuel cost per MCF chargeable against basic customers' rates during the test year.

18.b. There is not any base fuel cost per MCF chargeable against basic customers' rates during the test year.

18.c. There is not any fuel cost deferment used at the end of the test year.

18.d. The total projected recovery for the GCR in the test year is \$189,509,204.



**III. BALANCE SHEET AND OPERATING STATEMENT**

18.e. The amount of fuel cost including the E factor and IRC charges which is the basis of Fuel Adjustment Clause billings to customers in the test year is \$189,510,105. Attached are the summary details of this charge.

18.f. The difference between FAC Revenues and fuel costs including the E factor and IRC charges in the test year is \$901 a difference that is virtually nonexistent.

Philadelphia Gas Works

Levelized Gas Cost Rate

Budget Filing - September 1, 2020

140 Exh.A-III.E.18.e

Formula:  
GCR = SSC + GAC - IRC

where:

	<u>Demand</u>	<u>Commodity</u>	<u>Total</u>	
S = Firm Sales (Mcf)			41,369,713	GCR 3
Net Natural Gas Expense	\$ 76,149,064	\$ 112,663,892	\$ 188,812,956	
Purchased Electric & Misc Expenses	\$ -	\$ 673,189	\$ 673,189	
C = Total Applicable GCR Expense	\$ 76,149,064	\$ 113,337,081	\$ 189,486,144	GCR 5
SSC = C / S	\$ 1.8407	\$ 2.7396	\$ 4.5803	

Adjustment For:

E-Factor Volumes (Mcf)			41,369,713	
Interest	\$ (273,912)	\$ 307,613	\$ 33,701	GCR 6 (b)
E-Factor Reconciliation	\$ (1,680,294)	\$ 1,678,359	\$ (1,936)	GCR 8 (b), (c)
	\$ (1,954,206)	\$ 1,985,972	\$ 31,766	
E = E-Factor	\$ (0.0472)	\$ 0.0480	\$ 0.0008	

Interruptible Revenue Credit			\$ 7,805	GCR 7 (a)
IRC = Interruptible Revenue Credit / S			\$ 0.0002	

Net Applicable GCR Expenses = C + E - Interruptible Revenue Credit			\$ 189,510,105	
<u>GCR = SSC + GAC - IRC</u>			\$ 4.5809	

SSC in effect 9/01/20	\$ 1.8125	\$ 2.6977	\$ 4.5102	
GAC in effect 9/01/20	\$ (0.0246)	\$ 0.0250	\$ 0.0004	
IRC in effect 9/01/20			\$ (0.0003)	
GCR in effect 9/01/20			\$ 4.5103	GCR 2

Recovery Test on:

Firm Sales (Mcf)		41,369,713	
= GCR Projected Recovery	\$	186,619,113	
= Load Balancing Revenue	\$	2,798,056	
= LNG Sales Demand Revenue	\$	92,035	
= Total Projected Recovery	\$	189,509,204	GCR 2
Compared To			
Net Applicable GCR Expenses	\$	189,510,105	
= Net Over/(Under) Recovery	\$	(901)	

Degree Days 3,962

**PROJECTED APPLICABLE FUEL EXPENSE**  
**SEPTEMBER 2020 - AUGUST 2021**  
 FY 2021 Fully Projected Future Test Year

	SEPTEMBER 2020	OCTOBER 2020	NOVEMBER 2020	DECEMBER 2020	JANUARY 2021	FEBRUARY 2021	MARCH 2021	APRIL 2021	MAY 2021	JUNE 2021	JULY 2021	AUGUST 2021	TOTAL
<b>NATURAL GAS BILLED</b>													
DEMAND CHARGE	\$5,144,229	\$6,109,544	\$6,455,572	\$6,726,006	\$6,726,006	\$6,726,374	\$6,671,129	\$6,132,271	\$6,097,650	\$5,126,529	\$6,093,907	\$6,052,076	\$76,146,084
COMMODITY CHARGE	\$7,689,879	\$11,259,025	\$10,624,459	\$13,454,652	\$10,590,825	\$10,115,000	\$8,397,269	\$10,232,270	\$9,316,792	\$7,171,357	\$7,293,373	\$7,299,189	\$113,426,170
TOTAL NATURAL GAS BILLED	\$13,834,108	\$17,407,569	\$17,080,030	\$20,180,659	\$17,267,800	\$16,883,374	\$15,068,497	\$16,364,541	\$15,417,412	\$13,299,886	\$13,377,281	\$13,351,276	\$188,575,254
<b>INTERRUPTIBLE &amp; A/C CREDIT</b>													
SENDOUT VOLUME IN MCF	\$3,069	\$3,027	\$2,738	\$2,993	\$3,019	\$2,712	\$2,310	\$2,593	\$2,614	\$2,892	\$3,386	\$2,933	\$34,685
DKT CONVERSION FACTOR	1,225	1,184	1,064	1,099	1,099	993	1,099	1,064	1,099	1,115	1,389	1,200	13,682
PRICE S/DKT	1,036	1,036	1,036	1,036	1,036	1,036	1,036	1,036	1,036	1,036	1,036	1,036	\$2,352
GAS USED FOR UTILITY	\$24,822	\$24,817	\$62,970	\$69,493	\$162,974	\$107,170	\$63,467	\$57,597	\$23,130	\$19,892	\$21,935	\$27,217	\$715,441
<b>NATURAL GAS TO STORAGE</b>													
TO STORAGE	(\$5,410,067)	(\$5,636,560)	\$0	\$0	\$0	\$0	\$0	(\$2,998,234)	(\$5,779,488)	(\$5,203,592)	(\$5,234,783)	(\$5,249,338)	(\$35,493,041)
FROM STORAGE	\$0	\$0	\$77,274	\$6,139,866	\$12,791,124	\$9,936,062	\$7,415,162	\$113,916	\$0	\$0	\$0	\$0	\$39,960,865
FT FROM STORAGE	\$0	\$0	\$9,694	\$473,325	\$751,117	\$307,494	\$119,899	\$0	\$0	\$0	\$0	\$0	\$1,040,880
NET NATURAL GAS STORAGE	(\$5,410,067)	(\$5,636,560)	\$77,274	\$6,139,866	\$12,791,124	\$9,936,062	\$7,415,162	(\$2,795,618)	(\$5,779,488)	(\$5,203,592)	(\$5,234,783)	(\$5,249,338)	\$463,023
<b>LNG TO STORAGE</b>													
TO STORAGE	(\$4,310)	(\$477,456)	(\$309,989)	(\$811,823)	(\$486,558)	(\$451,149)	(\$951,451)	(\$586,525)	(\$451,319)	(\$6,212)	\$0	\$0	(\$4,729,292)
FROM STORAGE	\$234,819	\$242,114	\$322,940	\$591,595	\$954,170	\$709,656	\$338,372	\$229,596	\$236,451	\$228,361	\$235,978	\$235,978	\$4,371,952
NET LNG STORAGE	\$230,510	(\$235,343)	(\$86,049)	(\$220,228)	\$467,612	\$248,508	(\$722,879)	(\$256,929)	(\$8,868)	\$222,149	\$235,978	\$235,978	(\$351,340)
LNG SALES FROM LNG TANK	\$12,003	\$12,402	\$11,952	\$12,267	\$12,255	\$11,058	\$12,225	\$11,790	\$12,104	\$11,675	\$12,062	\$12,062	\$143,855
SENDOUT VOLUMES (MCF)	4,110	4,247	4,110	4,247	4,247	3,836	4,247	4,110	4,247	4,110	4,247	4,247	50,000
@ AVG LNG COMMODITY RATE	\$2,927	\$2,925	\$2,903	\$2,897	\$2,891	\$2,893	\$2,878	\$2,869	\$2,862	\$2,848	\$2,840	\$2,840	\$2,840
NET NATURAL GAS EXPENSE	\$8,394,646	\$11,495,221	\$16,403,698	\$26,188,464	\$30,389,487	\$26,379,537	\$21,662,278	\$13,140,425	\$8,591,227	\$6,282,276	\$6,341,093	\$6,335,704	\$188,612,955
<b>APPLICABLE GCR EXPENSE</b>													
NET NATURAL GAS EXPENSE	\$8,394,646	\$11,495,221	\$16,403,698	\$26,188,464	\$30,389,487	\$26,379,537	\$21,662,278	\$13,140,425	\$8,591,227	\$6,282,276	\$6,341,093	\$6,335,704	\$188,612,955
PURCHASED ELECTRIC	\$22,423	\$31,553	\$47,772	\$55,170	\$73,038	\$69,538	\$56,926	\$53,152	\$36,576	\$35,035	\$33,017	\$33,169	\$549,189
PLANT/FTCS INC.	\$0	\$0	\$0	\$0	\$15,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,000
TOTAL APPLICABLE EXPENSES	\$8,827,071	\$11,526,774	\$16,451,267	\$26,243,633	\$30,557,123	\$26,439,076	\$21,719,304	\$13,183,577	\$8,627,803	\$6,317,311	\$6,374,310	\$6,368,894	\$189,468,144
TOTAL GCR FIRM SALES	847,916	1,207,476	2,983,778	4,881,170	9,206,685	7,765,545	5,893,864	4,044,204	1,827,021	1,073,529	951,272	877,073	41,369,713

**III. BALANCE SHEET AND OPERATING STATEMENT**

III.E.19. Provide growth patterns of usage and customer numbers per rate class, using historical and projected data.

**RESPONSE:**

Please see attached spreadsheet.

PHILADELPHIA GAS WORKS  
FIRM GAS SALES  
3962 DD

	Avg Customers		Normalized Sales		Average MCF per Customer		Avg Customers		Sales		Test Year		Average MCF per Customer	
	Actual	2018-19	MMCF	2018-19	Normalized	2019-20	Estimated	MMCF	2019-20	Normalized	2020-21	MMCF	2020-21	Normalized
<b>NON-HEATING</b>														
Residential	16,548.5	400.3	24.2	14,722.2	343.1	23.3	12,615.6	289.0	23.3	12,615.6	289.0	23.3	12,615.6	289.0
CRP	405.6	27.4	67.5	470.3	30.1	64.1	502.3	32.2	64.1	502.3	32.2	64.1	502.3	32.2
Commercial	3,261.8	972.1	298.0	3,267.4	998.1	305.5	3,327.3	992.8	305.5	3,327.3	992.8	305.5	3,327.3	992.8
Industrial	102.8	113.6	1,104.6	99.0	96.6	975.6	97.3	93.8	975.6	97.3	93.8	975.6	97.3	93.8
Municipal	80.5	104.0	1,291.8	82.0	102.0	1,243.9	82.0	102.0	1,243.9	82.0	102.0	1,243.9	82.0	102.0
Housing Authority-PHA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural Gas Vehicle	3.1	0.9	298.4	3.0	1.0	333.3	3.0	1.0	333.3	3.0	1.0	333.3	3.0	1.0
<b>HEATING</b>														
Residential	396,958.8	28,202.8	71.0	389,872.3	27,210.9	69.8	383,535.4	26,626.9	69.8	383,535.4	26,626.9	69.8	383,535.4	26,626.9
CRP	51,808.3	5,982.8	115.5	55,154.8	5,835.1	105.8	58,922.7	6,219.4	105.8	58,922.7	6,219.4	105.6	58,922.7	6,219.4
Housing Authority-GS	2,011.3	187.0	93.0	2,011.0	177.7	88.4	2,011.0	177.7	88.4	2,011.0	177.7	88.4	2,011.0	177.7
Commercial	17,858.4	6,298.1	352.7	18,027.3	6,044.3	335.3	18,432.4	5,985.3	335.3	18,432.4	5,985.3	324.7	18,432.4	5,985.3
Industrial	381.4	394.4	1,034.1	374.0	361.0	965.3	370.5	348.7	965.3	370.5	348.7	941.1	370.5	348.7
Municipal	400.0	486.2	1,215.5	401.0	458.0	1,142.1	401.0	457.8	1,142.1	401.0	457.8	1,141.5	401.0	457.8
Housing Authority-PHA	219.8	52.0	236.6	220.0	45.0	204.5	220.0	45.0	204.5	220.0	45.0	204.5	220.0	45.0

**III. BALANCE SHEET AND OPERATING STATEMENT**

III.E.20. Provide, for test year only, a schedule by tariff rates and by service classifications showing proposed increase and percent of increase.

**RESPONSE:**

See attached worksheets and refer to Exh..A–III.E.11. for the current and proposed rates.

**FY 2021 Base Rate Filing**  
**Typical Monthly Bill**

February 29, 2020

September 1, 2021

IILE.20.

**Residential Heating**

<u>Unit Costs</u>	<u>Annual Usage/Months</u>	<u>Unit</u>	<u>Current Rates</u>
Commodity Charge	75	Mcf	\$ 4.8931
Gas Cost Adjustment	75	Mcf	\$ 0.0418
Distribution Charge	75	Mcf	\$ 8.0219
Customer Charge	12	Months	\$ 13.75
DSIC		Percentage	\$ 7.50%
<b>Annual Bill/Effect on Annual Bill</b>			<b>\$ 1,194.26</b>
<b>Effect on Average Monthly Bill</b>			

	<u>Rate Change Update</u>	<u>Change In Annual Bill</u>	<u>Change In Rate</u>
Commodity Charge	\$ 4.9885		\$ 0.0954
Gas Cost Adjustment	\$ 0.0418		\$ -
Distribution Charge	\$ 8.7145		\$ 0.6926
Customer Charge	\$ 19.25		\$ 5.50
DSIC	\$ 7.50%		\$ -
	<b>\$ 1,328.20</b>	<b>\$ 133.95</b>	<b>11.2%</b>
		<b>\$ 11.16</b>	

**Commercial Heating**

<u>Unit Costs</u>	<u>Annual Usage/Months</u>	<u>Unit</u>	<u>Current Rates</u>
Commodity Charge	342	Mcf	\$ 4.7449
Gas Cost Adjustment	342	Mcf	\$ 0.0418
Distribution Charge	342	Mcf	\$ 6.2127
Customer Charge	12	Months	\$ 23.40
DSIC		Percentage	\$ 7.50%
<b>Annual Bill/Effect on Annual Bill</b>			<b>\$ 4,223.01</b>
<b>Effect on Average Monthly Bill</b>			

	<u>Rate Change Update</u>	<u>Change In Annual Bill</u>	<u>Change In Rate</u>
Commodity Charge	\$ 4.7569		\$ 0.0120
Gas Cost Adjustment	\$ 0.0418		\$ -
Distribution Charge	\$ 6.2510		\$ 0.0383
Customer Charge	\$ 32.75		\$ 9.35
DSIC	\$ 7.50%		\$ -
	<b>\$ 4,361.81</b>	<b>\$ 138.80</b>	<b>3.3%</b>
		<b>\$ 11.57</b>	

**Industrial Heating**

<u>Unit Costs</u>	<u>Annual Usage/Months</u>	<u>Unit</u>	<u>Current Rates</u>
Commodity Charge	956	Mcf	\$ 4.7341
Gas Cost Adjustment	956	Mcf	\$ 0.0418
Distribution Charge	956	Mcf	\$ 6.0617
Customer Charge	12	Months	\$ 70.00
DSIC		Percentage	\$ 7.50%
<b>Annual Bill/Effect on Annual Bill</b>			<b>\$ 11,698.37</b>
<b>Effect on Average Monthly Bill</b>			

	<u>Rate Change Update</u>	<u>Change In Annual Bill</u>	<u>Change In Rate</u>
Commodity Charge	\$ 4.7348		\$ 0.0007
Gas Cost Adjustment	\$ 0.0418		\$ -
Distribution Charge	\$ 6.0762		\$ 0.0145
Customer Charge	\$ 98		\$ 28.00
DSIC	\$ 7.50%		\$ 0.00%
	<b>\$ 12,075.14</b>	<b>\$ 376.77</b>	<b>3.2%</b>
		<b>\$ 31.40</b>	

**PHA Heating**

<u>Unit Costs</u>	<u>Annual Usage/Months</u>	<u>Unit</u>	<u>Current Rates</u>
Commodity Charge	206	Mcf	\$ 4.7157
Gas Cost Adjustment	206	Mcf	\$ 0.0418
Distribution Charge	206	Mcf	\$ 6.3639
Customer Charge	12	Months	\$ 23.40
DSIC		Percentage	\$ 7.50%
<b>Annual Bill/Effect on Annual Bill</b>			<b>\$ 2,691.19</b>
<b>Effect on Average Monthly Bill</b>			

	<u>Rate Change Update</u>	<u>Change In Annual Bill</u>	<u>Change In Rate</u>
Commodity Charge	\$ 4.7157		\$ -
Gas Cost Adjustment	\$ 0.0418		\$ -
Distribution Charge	\$ 6.3639		\$ -
Customer Charge	\$ 32.75		\$ 9.35
DSIC	\$ 7.50%		\$ -
	<b>\$ 2,811.81</b>	<b>\$ 120.62</b>	<b>4.5%</b>
		<b>\$ 10.05</b>	

**PHA/GS Heating**

<u>Unit Costs</u>	<u>Annual Usage/Months</u>	<u>Unit</u>	<u>Current Rates</u>
Commodity Charge	89	Mcf	\$ 4.7157
Gas Cost Adjustment	89	Mcf	\$ 0.0418
Distribution Charge	89	Mcf	\$ 7.0357
Customer Charge	12	Months	\$ 13.7500
DSIC		Percentage	\$ 7.50%
<b>Annual Bill/Effect on Annual Bill</b>			<b>\$ 1,273.93</b>
<b>Effect on Average Monthly Bill</b>			

	<u>Rate Change Update</u>	<u>Change In Annual Bill</u>	<u>Change In Rate</u>
Commodity Charge	\$ 5.0583		\$ 0.3426
Gas Cost Adjustment	\$ 0.0418		\$ -
Distribution Charge	\$ 7.8739		\$ 0.8382
Customer Charge	\$ 19.25		\$ 5.50
DSIC	\$ 7.50%		\$ -
	<b>\$ 1,455.57</b>	<b>\$ 181.64</b>	<b>14.3%</b>
		<b>\$ 15.14</b>	

**Municipal Heating**

<u>Unit Costs</u>	<u>Annual Usage/Months</u>	<u>Unit</u>	<u>Current Rates</u>
Commodity Charge	1,138	Mcf	\$ 4.7157
Gas Cost Adjustment	1,138	Mcf	\$ 0.0418
Distribution Charge	1,138	Mcf	\$ 5.5954
Customer Charge	12	Months	\$ 23.40
DSIC		Percentage	\$ 7.50%
<b>Annual Bill/Effect on Annual Bill</b>			<b>\$ 12,561.03</b>
<b>Effect on Average Monthly Bill</b>			

	<u>Rate Change Update</u>	<u>Change In Annual Bill</u>	<u>Change In Rate</u>
Commodity Charge	\$ 4.7157		\$ -
Gas Cost Adjustment	\$ 0.0418		\$ -
Distribution Charge	\$ 6.3384		\$ 0.7430
Customer Charge	\$ 32.75		\$ 9.35
DSIC	\$ 7.50%		\$ -
	<b>\$ 13,590.59</b>	<b>\$ 1,029.56</b>	<b>8.2%</b>
		<b>\$ 85.80</b>	

**Proposed IT Revenue Increase**

III.E.20.

	Total	ITA	ITB	ITC	ITD	ITE
Current IT Revenue	\$ 12,700,232	\$ 1,011,807	\$ 1,262,790	\$ 1,890,692	\$ 2,408,638	\$ 6,126,305
Customer Charge Revenue	\$ 1,298,971	\$ 186,244	\$ 331,955	\$ 407,548	\$ 230,068	\$ 143,156
Volumetric charge Revenue	\$ 11,401,261	\$ 825,563	\$ 930,836	\$ 1,483,144	\$ 2,178,570	\$ 5,983,148
Proposed Increase	\$ 6,000,000					
Totl volumetric revenue	\$ 17,401,261					
	53%	53%	53%	53%	53%	53%
Current Delivery Charge Increase/Mcf	\$ 2.29	\$ 1.11	\$ 0.86	\$ 0.77	\$ 0.74	\$ 0.39
New Delilvery Charge /Mcf	\$ 1.20	\$ 0.58	\$ 0.45	\$ 0.40	\$ 0.39	\$ 0.39
New Delilvery Charge /Dth @1036	\$ 3.4928	\$ 1.6906	\$ 1.3191	\$ 1.1705	\$ 1.1334	\$ 1.1334
	\$ <b>3.3715</b>	\$ <b>1.6319</b>	\$ <b>1.2733</b>	\$ <b>1.1298</b>	\$ <b>1.0940</b>	\$ <b>1.0940</b>
Deliveries/mcf	13,814,858	360,744	840,332	1,716,006	2,840,749	8,057,027
Proposed Volumetric Revenue	\$ 17,401,261	\$ 1,260,022	\$ 1,420,695	\$ 2,263,660	\$ 3,325,060	\$ 9,131,826
Customer Charge Revenue	\$ 1,298,971	\$ 186,244	\$ 331,955	\$ 407,548	\$ 230,068	\$ 143,156
Totoal Revenue	\$ 18,700,232	\$ 1,446,265	\$ 1,752,650	\$ 2,671,208	\$ 3,555,127	\$ 9,274,982
Revenue Increase	<b>6,000,000</b>	<b>\$ 434,459</b>	<b>\$ 489,859</b>	<b>\$ 780,516</b>	<b>\$ 1,146,489</b>	<b>\$ 3,148,677</b>



**III. BALANCE SHEET AND OPERATING STATEMENT**

III.E.21. 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:**

Not applicable.

**III. BALANCE SHEET AND OPERATING STATEMENT**

III.E.22. Provide supporting data detailing curtailment adjustments, procedures and policies.

**RESPONSE:**

Not applicable.

**III. BALANCE SHEET AND OPERATING STATEMENT**

III.E.23. 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:**

Not applicable.

**III. BALANCE SHEET AND OPERATING STATEMENT**

III.E.24. Supply a detailed analysis of Purchased Gas for the test year and the twelve month period prior to the test year.

**RESPONSE:**

Please see attached.

**Projected Applicable Fuel Expense**  
**SENDOUT MODEL OUTPUT SCENARIO 1489**  
**FY 2021 Fully Projected Future Test Year**

	SEPTEMBER 2020	OCTOBER 2020	NOVEMBER 2020	DECEMBER 2020	JANUARY 2021	FEBRUARY 2021	MARCH 2021	APRIL 2021	MAY 2021	JUNE 2021	JULY 2021	AUGUST 2021	TOTAL
<b>NATURAL GAS BILLED</b>													
DEMAND CHARGE	\$ 6,144,229	\$ 6,109,544	\$ 6,455,572	\$ 6,726,806	\$ 6,726,976	\$ 6,766,374	\$ 6,671,129	\$ 6,132,271	\$ 6,097,650	\$ 6,128,529	\$ 6,093,907	\$ 6,092,076	\$ 76,149,064
COMMODITY CHARGE	\$ 7,669,879	\$ 11,298,025	\$ 10,824,458	\$ 13,454,652	\$ 10,560,825	\$ 10,115,000	\$ 8,397,369	\$ 10,232,270	\$ 9,319,162	\$ 7,171,357	\$ 7,283,373	\$ 7,299,199	\$ 113,426,170
<b>TOTAL NATURAL GAS BILLED</b>	\$ 13,814,108	\$ 17,407,569	\$ 17,080,030	\$ 20,181,458	\$ 17,287,800	\$ 16,881,374	\$ 15,068,497	\$ 16,364,541	\$ 15,417,412	\$ 13,299,886	\$ 13,377,281	\$ 13,391,276	\$ 189,575,234
<b>DAILY &amp; MONTHLY IMBALANCE CHARGES</b>													
INTERRUPTIBLE AND A/C CREDIT	\$ 3,069	\$ 3,027	\$ 2,738	\$ 2,983	\$ 3,019	\$ 2,712	\$ 2,910	\$ 2,583	\$ 2,614	\$ 2,682	\$ 3,386	\$ 2,933	\$ 34,665
SENDOUT VOLUME IN MCF	1,225	1,184	1,084	1,099	1,099	993	1,089	1,064	1,099	1,115	1,389	1,200	13,632
DKT CONVERSION FACTOR	1,036	1,036	1,036	1,036	1,036	1,036	1,036	1,036	1,036	1,036	1,036	1,036	1,036
PRICE \$/DKT	\$ 2,4182	\$ 2,4668	\$ 2,4840	\$ 2,6282	\$ 2,6510	\$ 2,6364	\$ 2,5549	\$ 2,3439	\$ 2,2954	\$ 2,3213	\$ 2,3527	\$ 2,3583	\$ 2,3583
<b>GAS USED FOR UTILITY</b>	\$ 24,832	\$ 24,817	\$ 62,970	\$ 99,493	\$ 162,974	\$ 107,178	\$ 83,467	\$ 57,597	\$ 23,130	\$ 19,832	\$ 21,935	\$ 27,217	\$ 715,441
<b>NATURAL GAS TO STORAGE</b>													
FROM STORAGE PGW	\$ (5,410,067)	\$ (5,636,560)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (2,903,234)	\$ (5,779,468)	\$ (5,203,592)	\$ (5,234,783)	\$ (5,249,338)	\$ (35,423,041)
FT FROM STORAGE	\$ -	\$ -	\$ 77,574	\$ 6,139,986	\$ 12,791,124	\$ 9,368,602	\$ 7,415,162	\$ 113,618	\$ -	\$ -	\$ -	\$ -	\$ 35,906,065
<b>NET NATURAL GAS STORAGE</b>	\$ (5,410,067)	\$ (5,636,560)	\$ 77,574	\$ 6,139,986	\$ 12,791,124	\$ 9,368,602	\$ 7,415,162	\$ (2,795,616)	\$ (5,779,468)	\$ (5,203,592)	\$ (5,234,783)	\$ (5,249,338)	\$ 483,023
<b>LNG</b>													
TO STORAGE	\$ (4,310)	\$ (477,656)	\$ (909,289)	\$ (611,823)	\$ (466,358)	\$ (452,149)	\$ (961,651)	\$ (566,525)	\$ (245,319)	\$ (8,212)	\$ -	\$ -	\$ (4,723,292)
FROM LNG PGW	\$ 234,819	\$ 242,114	\$ 232,840	\$ 591,595	\$ 964,170	\$ 700,658	\$ 236,972	\$ 229,996	\$ 236,451	\$ 228,381	\$ 235,978	\$ 235,978	\$ 4,371,952
FT FROM LNG	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>NET LNG STORAGE</b>	\$ 230,510	\$ (235,543)	\$ (676,449)	\$ (20,228)	\$ 497,812	\$ 248,509	\$ (725,679)	\$ (336,530)	\$ (8,869)	\$ 220,170	\$ 235,978	\$ 235,978	\$ (351,340)
<b>LNG SALES FROM LNG TANK</b>													
SENDOUT VOLUMES (MCF)	\$ 12,003	\$ 12,402	\$ 11,952	\$ 12,267	\$ 12,256	\$ 11,058	\$ 12,225	\$ 11,790	\$ 12,104	\$ 11,675	\$ 12,062	\$ 12,062	\$ 143,856
@ AVG LNG COMMODITY RATE	\$ 4,110	\$ 4,247	\$ 4,110	\$ 4,247	\$ 4,247	\$ 4,247	\$ 4,247	\$ 4,110	\$ 4,247	\$ 4,110	\$ 4,247	\$ 4,247	\$ 50,000
<b>NET NATURAL GAS EXPENSE</b>	\$ 8,594,648	\$ 11,495,221	\$ 16,403,496	\$ 26,188,464	\$ 30,398,487	\$ 26,379,537	\$ 21,862,378	\$ 13,140,425	\$ 9,591,227	\$ 8,282,276	\$ 8,341,093	\$ 8,335,704	\$ 188,812,956
<b>APPLICABLE GCR EXPENSE</b>													
NET NATURAL GAS EXPENSE	\$ 8,594,648	\$ 11,495,221	\$ 16,403,496	\$ 26,188,464	\$ 30,398,487	\$ 26,379,537	\$ 21,862,378	\$ 13,140,425	\$ 9,591,227	\$ 8,282,276	\$ 8,341,093	\$ 8,335,704	\$ 188,812,956
PURCHASED ELECTRIC & MISC PLANAUTYCS	\$ 32,423	\$ 31,553	\$ 47,772	\$ 55,170	\$ 73,636	\$ 59,539	\$ 56,926	\$ 53,152	\$ 36,576	\$ 35,035	\$ 33,217	\$ 33,190	\$ 548,189
<b>TOTAL APPLICABLE EXPENSES</b>	\$ 8,627,071	\$ 11,526,774	\$ 16,451,267	\$ 26,243,633	\$ 30,597,123	\$ 26,439,076	\$ 21,719,304	\$ 13,193,577	\$ 9,627,803	\$ 8,317,311	\$ 8,374,310	\$ 8,368,894	\$ 189,486,144
<b>TOTAL GCR FIRM SALES</b>	\$ 847,916	\$ 1,207,476	\$ 2,693,778	\$ 4,981,170	\$ 9,206,865	\$ 7,765,545	\$ 5,893,864	\$ 4,044,204	\$ 1,827,021	\$ 1,073,529	\$ 951,272	\$ 877,073	\$ 41,369,713

**Projected Applicable Fuel Expense**  
**SENDOUT MODEL OUTPUT SCENARIO 1487**

FY 2019-2020 Est Budget

	ESTIMATED SEPTEMBER 2019	ESTIMATED OCTOBER 2019	ESTIMATED NOVEMBER 2019	ESTIMATED DECEMBER 2019	ESTIMATED JANUARY 2020	ESTIMATED FEBRUARY 2020	ESTIMATED MARCH 2020	ESTIMATED APRIL 2020	ESTIMATED MAY 2020	ESTIMATED JUNE 2020	ESTIMATED JULY 2020	ESTIMATED AUGUST 2020	TOTAL
<b>NATURAL GAS BILLED</b>													
DEMAND CHARGE	\$ 6,185,548	\$ 6,149,482	\$ 6,492,681	\$ 6,765,035	\$ 6,761,739	\$ 6,787,217	\$ 6,703,085	\$ 6,183,645	\$ 6,127,570	\$ 6,157,054	\$ 6,120,979	\$ 6,117,643	\$ 76,531,679
COMMODITY CHARGE	\$ 5,572,131	\$ 12,495,916	\$ 11,685,916	\$ 13,109,953	\$ 12,960,708	\$ 11,091,609	\$ 10,145,686	\$ 9,684,488	\$ 9,094,041	\$ 7,343,940	\$ 7,370,126	\$ 7,383,961	\$ 117,936,276
<b>TOTAL NATURAL GAS BILLED</b>	\$ 11,757,679	\$ 18,645,399	\$ 18,178,597	\$ 19,874,987	\$ 19,722,447	\$ 17,878,826	\$ 16,848,771	\$ 15,868,133	\$ 15,221,611	\$ 13,500,994	\$ 13,491,106	\$ 13,501,605	\$ 194,469,954
<b>DAILY &amp; MONTHLY IMBALANCE CHARGES</b>													
INTERRUPTIBLE AND A/C CREDIT	\$ 2,213	\$ 1,249,999	\$ 2,815	\$ 3,022	\$ 3,066	\$ 2,825	\$ 2,921	\$ 2,630	\$ 2,659	\$ 2,720	\$ 3,434	\$ 2,973	\$ 1,281,276
SENDOUT VOLUME IN MCF	1,222	462,478	1,061	1,096	1,096	1,025	1,096	1,061	1,096	1,112	1,386	1,197	474,928
DKT CONVERSION FACTOR	1,036	1,036	1,036	1,036	1,036	1,036	1,036	1,036	1,036	1,036	1,036	1,036	1,036
PRICE \$/DKT	\$ 1,747	\$ 2,689	\$ 2,563	\$ 2,661	\$ 2,697	\$ 2,659	\$ 2,578	\$ 2,392	\$ 2,348	\$ 2,362	\$ 2,397	\$ 2,396	\$ 2,396
<b>GAS USED FOR UTILITY</b>	\$ 18,174	\$ 26,928	\$ 61,761	\$ 103,616	\$ 162,634	\$ 106,336	\$ 85,076	\$ 59,218	\$ 21,282	\$ 22,267	\$ 20,331	\$ 27,129	\$ 714,751
<b>NATURAL GAS</b>													
TO STORAGE	\$ (3,989,748)	\$ (5,200,575)	\$ (1,398,453)	\$ (33,850)	\$ -	\$ -	\$ (207,928)	\$ (2,892,017)	\$ (5,555,293)	\$ (5,330,967)	\$ (5,279,221)	\$ (5,291,209)	\$ (35,179,261)
FROM STORAGE PGW	\$ -	\$ -	\$ 880,344	\$ 6,941,216	\$ 11,016,581	\$ 9,454,099	\$ 5,961,818	\$ 680,545	\$ -	\$ -	\$ -	\$ -	\$ 34,936,603
FT FROM STORAGE	\$ -	\$ -	\$ 16,090	\$ 481,494	\$ 737,341	\$ 492,161	\$ 158,964	\$ 4,802	\$ -	\$ -	\$ -	\$ -	\$ 1,890,853
<b>NET NATURAL GAS STORAGE</b>	\$ (3,989,748)	\$ (5,200,575)	\$ (518,109)	\$ 6,907,366	\$ 11,016,581	\$ 9,454,099	\$ 5,753,890	\$ (2,211,472)	\$ (5,555,293)	\$ (5,330,967)	\$ (5,279,221)	\$ (5,291,209)	\$ (245,658)
<b>LNG</b>													
TO STORAGE	\$ (3,757)	\$ (515,170)	\$ (1,002,579)	\$ (670,831)	\$ (532,036)	\$ (539,283)	\$ (1,038,811)	\$ (603,559)	\$ (251,920)	\$ (8,456)	\$ -	\$ -	\$ (5,166,413)
FROM LNG PGW	\$ 233,201	\$ 240,933	\$ 237,320	\$ 619,646	\$ 1,011,305	\$ 659,353	\$ 244,924	\$ 236,558	\$ 243,130	\$ 234,805	\$ 242,616	\$ 242,616	\$ 4,445,408
FT FROM LNG	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>NET LNG STORAGE</b>	\$ 229,444	\$ (274,237)	\$ (765,259)	\$ (51,185)	\$ 479,269	\$ 119,060	\$ (793,887)	\$ (367,002)	\$ (8,790)	\$ 226,349	\$ 242,616	\$ 242,616	\$ (721,004)
<b>LNG SALES FROM LNG TANK</b>													
SENDOUT VOLUMES (MCF)	\$ 11,889	\$ 12,284	\$ 11,868	\$ 12,305	\$ 12,359	\$ 11,623	\$ 12,477	\$ 12,096	\$ 12,414	\$ 11,972	\$ 12,369	\$ 12,369	\$ 146,045
@ AVG LNG COMMODITY RATE	\$ 4,098	\$ 4,235	\$ 4,098	\$ 4,235	\$ 4,235	\$ 4,098	\$ 4,235	\$ 4,098	\$ 4,235	\$ 4,098	\$ 4,235	\$ 4,235	\$ 50,000
<b>NET NATURAL GAS EXPENSE</b>	\$ 7,965,099	\$ 11,861,375	\$ 16,818,567	\$ 26,612,225	\$ 31,042,238	\$ 27,331,202	\$ 21,708,300	\$ 13,195,715	\$ 9,621,172	\$ 8,359,419	\$ 8,418,367	\$ 8,410,541	\$ 191,364,219
<b>APPLICABLE GCR EXPENSE</b>													
NET NATURAL GAS EXPENSE	\$ 7,965,099	\$ 11,861,375	\$ 16,818,567	\$ 26,612,225	\$ 31,042,238	\$ 27,331,202	\$ 21,708,300	\$ 13,195,715	\$ 9,621,172	\$ 8,359,419	\$ 8,418,367	\$ 8,410,541	\$ 191,364,219
PURCHASED ELECTRIC & MISC	\$ 31,659	\$ 31,955	\$ 44,299	\$ 54,208	\$ 70,713	\$ 56,501	\$ 54,723	\$ 50,085	\$ 36,644	\$ 34,051	\$ 32,814	\$ 32,261	\$ 529,913
PLANALYTICS	\$ -	\$ -	\$ -	\$ -	\$ 125,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 125,000
<b>TOTAL APPLICABLE EXPENSES</b>	\$ 7,996,758	\$ 11,913,330	\$ 16,862,866	\$ 26,666,433	\$ 31,237,951	\$ 27,387,703	\$ 21,763,023	\$ 13,245,800	\$ 9,657,816	\$ 8,393,469	\$ 8,451,180	\$ 8,442,802	\$ 192,019,132
<b>TOTAL GCR FIRM SALES</b>	\$ 852,233	\$ 1,214,744	\$ 2,712,047	\$ 5,017,509	\$ 9,273,108	\$ 7,839,028	\$ 6,204,953	\$ 3,943,121	\$ 1,724,833	\$ 1,080,540	\$ 956,737	\$ 882,141	\$ 41,700,993

PGW  
NET COST OF FUEL  
FY 2019 - Historic Test Year

WACOG	SEP 2018	OCT	NOV	DEC	JAN 2019	FEB	MAR	APR	MAY	JUNE	JULY	AUGUST	TOTAL
Natural Gas Billed	\$11,678,648	\$15,057,214	\$21,876,170	\$29,956,362	\$25,011,905	\$19,296,597	\$20,132,008	\$13,642,991	\$11,503,607	\$13,025,277	\$12,363,449	\$11,960,867	\$205,907,095
Less: Daily & Monthly Imbalance Charges	0	0	0	0	0	0	0	0	0	0	0	0	0
Less: LBS, NGV, AC & GTS	\$1,868	\$0	\$0	\$0	\$0	\$0	\$0	(\$4,360)	\$0	\$10	\$1,249	\$448	(\$785)
Sendout Volume (Mcf)	648	0	0	0	0	0	0	(1,639)	0	4	531	203	(952)
@ Avoided Cost	\$2,9831	\$3,0423	\$3,4536	\$4,1005	\$3,3082	\$2,9214	\$2,9330	\$2,7435	\$2,4216	\$2,4893	\$2,3525	\$2,2071	\$3,1151
Less: BPS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Sendout Volume (Mcf)	0	0	0	0	0	0	0	0	0	0	0	0	0
@ Avoided Cost	\$2,9831	\$3,0423	\$3,4536	\$4,1005	\$3,3082	\$2,9214	\$2,9330	\$2,7435	\$2,4216	\$2,4893	\$2,3525	\$2,2071	#DIV/0!
Less: LNG Sales from Tank	\$2,108	\$0	\$0	\$0	\$420,190	\$69,100	\$81,957	\$0	\$0	\$0	\$0	\$0	\$593,955
Sendout Volume (Mcf)	750	0	0	0	142,315	22,861	26,431	0	0	0	0	0	192,957
@ Avoided Cost	\$2,9100	\$2,8077	\$2,8537	\$2,8915	\$3,0226	\$3,0226	\$3,1008	\$2,9968	\$2,9487	\$2,9220	\$2,9010	\$2,9010	\$3,0327
Less: CO-Generation	\$3,360	\$3,734	\$4,432	\$5,274	\$4,398	\$3,481	\$3,389	\$1,447	\$601	\$2,871	\$2,915	\$2,600	\$38,502
Sendout Volume (Mcf)	1,165	1,228	1,283	1,288	1,330	1,192	1,156	527	248	1,153	1,239	1,178	12,985
@ Commodity Cost	\$2,9831	\$3,0423	\$3,4536	\$4,1005	\$3,3082	\$2,9214	\$2,9330	\$2,7435	\$2,4216	\$2,4893	\$2,3525	\$2,2071	\$2,9851
Less: Gas Utility Used	\$33,098	\$38,944	\$101,346	\$146,265	\$191,383	\$191,383	\$101,015	\$41,487	\$27,059	\$19,708	\$7,163	\$4,527	\$931,391
Sendout Volume (Mcf)	11,480	12,801	20,345	35,670	57,855	40,865	34,441	15,122	11,174	7,917	3,045	2,051	261,766
@ Commodity Cost	\$2,9831	\$3,0423	\$3,4536	\$4,1005	\$3,3082	\$2,9214	\$2,9330	\$2,7435	\$2,4216	\$2,4893	\$2,3525	\$2,2071	\$3,1761
Pipeline Storages	(4,666,147)	(3,274,721)	(1,097,822)	(1,748,628)	(319,816)	(272,946)	(586,528)	(2,694,869)	(2,097,610)	(3,489,839)	(3,575,134)	(3,275,783)	(\$27,022,045)
From	-407226	138,371	3,182,955	4,455,785	8,635,593	7,241,189	4,303,565	1,338,418	11,4018	(85,690)	(139,988)	(62,383)	28,725,597
Net Pipeline Storages	(\$5,073,373)	(\$3,135,350)	\$2,085,133	\$2,707,157	\$8,315,775	\$6,968,243	\$3,795,037	(\$1,356,451)	(\$1,983,792)	(\$3,575,529)	(\$3,715,122)	(\$3,328,176)	\$1,703,552
LNG Storage	\$0	(\$840,257)	(\$1,253,656)	(\$1,109,266)	(\$833,236)	(\$1,303,188)	(\$1,004,860)	(\$290,992)	(\$231,953)	\$71,619	\$0	\$0	(\$6,798,789)
From	176,911	257,517	324,541	278,854	2,311,935	968,484	474,479	317,048	489,670	162,409	169,764	173,565	6,105,177
Net LNG Storage	\$176,911	(\$585,740)	(\$929,115)	(\$830,412)	\$1,478,699	(\$334,704)	(\$530,381)	\$26,056	\$57,717	\$234,028	\$169,764	\$173,565	(\$693,612)
NET NATURAL GAS	\$6,741,752	\$11,893,446	\$22,728,410	\$31,681,568	\$34,180,395	\$25,738,172	\$23,210,304	\$12,274,022	\$9,749,872	\$9,661,187	\$8,806,764	\$8,798,681	\$205,464,572
APPLICABLE GCR EXPENSES	\$6,741,752	\$11,893,446	\$22,728,410	\$31,681,568	\$34,180,395	\$25,738,172	\$23,210,304	\$12,274,022	\$9,749,872	\$9,661,187	\$8,806,764	\$8,798,681	\$205,464,573
Net Natural Gas Expense	0	0	0	0	0	0	0	0	0	0	0	0	125,000
Planalytics Inc.	64,883	1,285	61,349	56,807	57,891	57,891	54,981	0	94,471	37,764	34,463	31,396	553,171
Electric	\$5,606,635	\$11,894,731	\$22,789,759	\$31,738,375	\$34,238,286	\$25,796,063	\$23,980,285	\$12,274,022	\$9,844,343	\$9,698,951	\$8,841,227	\$8,830,067	\$206,142,744
Total GCR Expenses	64,883	1,285	61,349	56,807	57,891	57,891	54,981	0	94,471	37,764	34,463	31,396	553,171
Non-Fuel Expense :	16,281	12,938	21,283	14,951	15,288	15,362	19,488	17,346	13,102	14,438	13,652	15,831	189,870
ELURP Labor Expenses	-	793,037	432,971	201,086	1,474,962	553,799	1,018,842	589,423	789,058	796,017	586,911	1,200,000	8,436,106
ELURP Programmatic Expenses	4,554	4,658	4,823	3,501	7,451	4,525	7,103	3,987	2,677	5,658	7,864	5,165	61,876
ELURP Portfolio Allocation Expenses	(1,871,956)	(1,297,656)	3,128,211	7,808,615	11,588,988	11,907,633	9,811,597	5,175,059	624,546	(1,514,700)	(2,382,929)	(2,602,428)	40,374,980
Customer Responsibility Program	(109,542)	\$711,525	\$862,430	\$663,925	\$812,018	\$637,832	\$836,884	\$834,174	\$1,010,977	\$823,621	\$823,224	769,330	8,776,396
CRP Forgiveness 9/1/03	(\$1,960,664)	\$224,502	\$4,449,728	\$3,692,078	\$13,898,914	\$13,119,151	\$11,683,914	\$6,719,999	\$2,440,359	\$125,034	(\$612,102)	(\$57,839,428)	\$57,839,428
Total Non-Fuel Expenses	\$4,845,972	\$12,119,233	\$27,239,487	\$40,430,453	\$48,136,993	\$38,915,214	\$35,084,199	\$18,994,021	\$12,284,702	\$9,823,985	\$7,889,949	\$8,217,965	\$263,982,172
Total GCR plus Non-Fuel Expenses	\$0	(\$2,638)	(\$210)	\$0	\$0	\$0	\$0	\$0	(\$417)	\$0	(\$3,463)	(\$341)	(\$7,069)
Natural Gas Refund	0	(102)	(4)	0	0	0	0	0	(8)	0	(119)	(9)	(242)
Interest on Refund	\$0	(\$2,740)	(\$214)	\$0	\$0	\$0	\$0	\$0	(\$425)	\$0	(\$3,582)	(\$350)	(\$7,311)
Total Refund Received	\$4,826,933	\$4,889,826	\$3,967,485	\$3,966,548	\$3,964,756	\$3,663,160	\$4,923,422	\$5,880,654	\$5,751,513	\$6,996,060	\$7,090,490	\$6,982,988	\$63,103,835
Demand Charges	\$6,851,715	\$10,767,388	\$17,100,686	\$25,989,814	\$21,047,150	\$15,633,437	\$15,208,594	\$6,029,217	\$5,272,959	\$4,929,217	\$5,272,959	\$4,929,217	\$42,803,263
Commodity Charges	\$11,876,648	\$15,657,214	\$21,678,171	\$29,956,362	\$25,011,906	\$19,296,597	\$20,132,009	\$13,642,991	\$11,503,607	\$13,025,277	\$12,363,449	\$11,960,867	\$205,907,095
Total													

**III. BALANCE SHEET AND OPERATING STATEMENT**

III.E.25. Submit calculations supporting energy cost per MCF and operating ratio used to determine increase in costs other than production to serve additional load.

**RESPONSE:**

Please see attached.



**Philadelphia Gas Works**  
**Levelized Gas Cost Rate**  
Budget Filing - September 1, 2020

Formula:  
GCR = SSC + GAC - IRC

where:

	<u>Demand</u>	<u>Commodity</u>	<u>Total</u>	
S = Firm Sales (Mcf)			<b>41,369,713</b>	GCR 3
Net Natural Gas Expense	\$ 76,149,064	\$ 112,663,892	\$ 188,812,956	
Purchased Electric & Misc Expenses	\$ -	\$ 673,189	\$ 673,189	
C = Total Applicable GCR Expense	\$ 76,149,064	\$ 113,337,081	\$ 189,486,144	GCR 5
SSC = C / S	\$ 1.8407	\$ 2.7396	\$ 4.5803	

Adjustment For:

E-Factor Volumes (Mcf)			41,369,713	
Interest	\$ (273,912)	\$ 307,613	\$ 33,701	GCR 6 (b)
E-Factor Reconciliation	\$ (1,680,294)	\$ 1,678,359	\$ (1,936)	GCR 8 (b), (c)
	\$ (1,954,206)	\$ 1,985,972	\$ 31,766	
E = E-Factor	\$ (0.0472)	\$ 0.0480	\$ 0.0008	
Interruptible Revenue Credit			\$ 7,805	GCR 7 (a)
IRC = Interruptible Revenue Credit / S			\$ 0.0002	

Net Applicable GCR Expenses = C + E - Interruptible Revenue Credit			\$ 189,510,105	
<u>GCR = SSC + GAC - IRC</u>			\$ 4.5809	

SSC in effect 9/01/20	\$ 1.8125	\$ 2.6977	\$ 4.5102	
GAC in effect 9/01/20	\$ (0.0246)	\$ 0.0250	\$ 0.0004	
IRC in effect 9/01/20			\$ (0.0003)	
GCR in effect 9/01/20			\$ 4.5103	GCR 2

Recovery Test on:

Firm Sales (Mcf)		41,369,713	
= GCR Projected Recovery		\$ 186,619,113	
= Load Balancing Revenue		\$ 2,798,056	
= LNG Sales Demand Revenue		\$ 92,035	
= Total Projected Recovery		\$ 189,509,204	GCR 2
Compared To			
Net Applicable GCR Expenses		\$ 189,510,105	
= Net Over/(Under) Recovery		\$ (901)	

Degree Days 3,962

**III. BALANCE SHEET AND OPERATING STATEMENT**

III.E.26. Submit detailed calculations for bulk gas transmission service costs under supply and/or interconnection agreements.

**RESPONSE:**

PGW does not have bulk gas transmission service under supply and/or interconnection agreements.

**III. BALANCE SHEET AND OPERATING STATEMENT**

III.E.27. 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:**

Not applicable.

**III. BALANCE SHEET AND OPERATING STATEMENT**

III.E.28. 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:**

Please see the Statement No. 7 – the Direct Testimony of Douglas A. Moser re: Prepaid Gas Arrangements.

**III. BALANCE SHEET AND OPERATING STATEMENT**

III.E.29. Provide intrastate operations percentages by expense categories for two years prior to the test year.

**RESPONSE:**

Not applicable.

**III. BALANCE SHEET AND OPERATING STATEMENT**

III.E.30. 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:**

See attached schedule.

		<b>MCF</b> <b>@1036 BTU</b>		<b>COSTS</b>
	Source			
<b>Spot Purchases - Transco</b>	Sendout	5,792,991	\$	14,585,656
<b>Transco Supply 7</b>		5,717,582	\$	14,375,203
<b>Transco Supplier 30</b>		1,820,952	\$	4,739,679
<b>Transco Supplier 37</b>		3,170,853	\$	7,041,782
<b>Spot Purchases - Tetco</b>		17,867,806	\$	44,363,247
<b>TETCO Supplier 1</b>		1,022,734	\$	2,539,920
<b>TETCO Supplier 24</b>		1,761,583	\$	4,353,570
<b>TETCO Supplier 26</b>		5,402,140	\$	13,040,572
<b>TETCO Supplier 33</b>		1,761,569	\$	4,093,371
<b>TETCO Supplier 34</b>		1,056,950	\$	1,277,500
<b>Supply Subtotal</b>		45,375,160		110,410,500
<b>Supply Transportation Charges</b>			\$	2,650,474
<b>Storage Injection and Withdrawal Charges</b>			\$	1,272,394
<b>Received Gas Cost</b>			\$	114,333,368
<b>Supply for FT</b>	Suppliers Gas for FT	6,072,465	\$	-
<b>Transportation Fuel</b>	NGU Workbook	(922,086)	\$	-
<b>Total City Gate Delivered (PGW)</b>		50,525,538	\$	114,333,368
<b><u>Storage</u></b>				
<b>PGW Storage Injected</b>	NGU Workbook	14,028,528	\$	37,263,841
<b>FT Payback Storage</b>	Gas for FT	701,616	\$	(1,840,800)
<b>LNG Liquified</b>	NGU Workbook	1,784,439	\$	4,723,292
<b>FT Payback LNG</b>		<u>0</u>	\$	-
<b>To Storage</b>		16,514,583	\$	40,146,334
<b>PGW Storage Withdrawal</b>	NGU Workbook	14,462,159	\$	35,906,065
<b>Withdrawal for FT</b>	NGU Workbook	234,924	\$	1,840,800
<b>LNG Sales</b>	NGU Workbook	50,001	\$	143,856
<b>PGW LNG Vaporization</b>	NGU Workbook	1,530,169	\$	4,228,096
<b>LNG for FT</b>		<u>0</u>	\$	-
<b>From Storage</b>		16,277,253	\$	42,118,817
<b>Natural Gas Supply</b>		50,288,208		
<b>Plant Use</b>	Monthly Requirements	(134,342)		
<b>Storage Inj /Wd Fuel</b>	Monthly Requirements	<u>(475,356)</u>		
		49,678,509		
<b>Company Use</b>	Demand Model Sendout	<u>(272,578)</u>		
		49,405,931		
<b>Line loss or Unaccounted for gas</b>		<u>(7,972,955)</u>		
<b>Total Sales</b>	Demand Model Summary	41,432,976		

### **III. BALANCE SHEET AND OPERATING STATEMENT**

III.E.31. Provide a schedule showing the determination of the fuel costs included in the base cost of fuel.

**RESPONSE:**

All of PGW's fuel costs are included in the fuel adjustment clause (GCR). Attached is a schedule showing the fuel costs and the calculation of the GCR.



**Philadelphia Gas Works**  
**Levelized Gas Cost Rate**  
**Budget Filing - September 1, 2020**

Formula:  
GCR = SSC + GAC - IRC

where:

	<u>Demand</u>	<u>Commodity</u>	<u>Total</u>	
S = Firm Sales (Mcf)			<b>41,369,713</b>	GCR 3
Net Natural Gas Expense	\$ 76,149,064	\$ 112,663,892	\$ 188,812,956	
Purchased Electric & Misc Expenses	\$ -	\$ 673,189	\$ 673,189	
C = Total Applicable GCR Expense	\$ 76,149,064	\$ 113,337,081	\$ 189,486,144	GCR 5
SSC = C / S	\$ 1.8407	\$ 2.7396	\$ 4.5803	

Adjustment For:

E-Factor Volumes (Mcf)			41,369,713	
Inter E-Factor	\$ (273,912)	\$ 307,613	\$ 33,701	GCR 6 (b)
E-Factor	\$ (1,680,294)	\$ 1,678,359	\$ (1,936)	GCR 8 (b), (c)
	\$ (1,954,206)	\$ 1,985,972	\$ 31,766	
E = E-Factor	\$ (0.0472)	\$ 0.0480	\$ 0.0008	
Interruptible Revenue Credit			\$ 7,805	GCR 7 (a)
IRC = Interruptible Revenue Credit / S			\$ 0.0002	

Net Applicable GCR Expenses = C + E - Interruptible Revenue Credit			\$ 189,510,105	
<u>GCR = SSC + GAC - IRC</u>			\$ 4.5809	

SSC in effect 9/01/20	\$ 1.8125	\$ 2.6977	\$ 4.5102	
GAC in effect 9/01/20	\$ (0.0246)	\$ 0.0250	\$ 0.0004	
IRC in effect 9/01/20			\$ (0.0003)	
GCR in effect 9/01/20			\$ 4.5103	GCR 2

Recovery Test on:

Firm Sales (Mcf)		41,369,713	
= GCR Projected Recovery		\$ 186,619,113	
= Load Balancing Revenue		\$ 2,798,056	
= LNG Sales Demand Revenue		\$ 92,035	
= Total Projected Recovery		\$ 189,509,204	GCR 2
Compared To			
Net Applicable GCR Expenses		\$ 189,510,105	
= Net Over/(Under) Recovery		\$ (901)	

Degree Days 3,962

**III. BALANCE SHEET AND OPERATING STATEMENT**

III.E.32. 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:**

Not applicable.

### III. BALANCE SHEET AND OPERATING STATEMENT

III.E.33. Submit a schedule showing maintenance expenses, gross plant and the relation of maintenance expenses thereto as follows:

III.E.33.(i) Gas Production Maintenance Expenses per MCF production, per \$1,000 MCF production, and per \$1,000 of Gross Production Plant;

III.E.33.(ii) Transmission Maintenance Expenses per MMCF mile and per \$1,000 of Gross Transmission Plant;

III.E.33.(iii) Distribution Maintenance Expenses per customer and per \$1,000 of Gross Distribution Plant;

III.E.33.(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 attached.

PHILADELPHIA GAS WORKS  
SCHEDULE OF MAINTENANCE EXPENSES AND GROSS PLANT

	TWELVE MONTHS ENDED			
	<u>August 31, 2021</u>	<u>August 31, 2020</u>	<u>August 31, 2019</u>	<u>August 30, 2018</u>
1) Gas Production Maintenance Expenses	\$947,000	\$1,218,756	\$1,469,147	\$1,344,064
Gross Plant Production	\$64,299,050	\$64,299,050	\$64,299,050	\$62,996,636
Per Mcf Production	N/A	N/A	N/A	N/A
Per \$1000 Mcf Production	N/A	N/A	N/A	N/A
Per \$1000 of Gross Production Plant	\$14.728	\$18.954	\$22.849	\$21.335
2) Transmission Maintenance Expenses	\$2,042,000	\$2,002,319	\$2,186,754	\$2,345,892
Gross Transmission Expenses	-	-	-	-
Per Mmcf mile	N/A	N/A	N/A	N/A
Per \$1000 of Gross Transmission Plant	N/A	N/A	N/A	N/A
3) Distribution Maintenance Expense	\$35,771,000	\$35,373,589	\$34,216,038	\$36,532,587
Gross Distribution Plant	\$2,145,755,480	\$2,045,231,480	\$1,954,316,480	\$1,874,017,734
Total Customers	509,000	510,000	508,000	505,000
Per Customer	\$70.28	\$69.36	\$67.35	\$72.34
Per \$1000 of Gross Distribution Plant	\$16.67	\$17.30	\$17.51	\$19.49
4) Storage Maintenance Expense	\$9,104,000	\$9,179,689	\$7,717,322	\$6,768,944
Gross Storage Plant	\$164,933,030	\$155,908,030	\$151,292,030	\$149,139,110
Maximum Gross Storage Capacity (Mmcf)	4,299	4,299	4,299	4,299
Per Mmcf of Storage Capacity	\$2,117.70	\$2,135.31	\$1,795.10	\$1,574.50
Per \$1000 of Gross Storage Plant	\$55.20	\$58.88	\$51.01	\$45.39
<b><i>INFORMATIONAL PURPOSES ONLY:</i></b>				
5) Gross General Plant	\$385,741,888	\$341,206,887	\$317,064,887	\$308,148,892
6) Leased Computer Related Equipment	-	-	-	-
7) Leased Transportation Equipment	-	-	-	-
8) Lease Adjustment	-	-	-	-
<b>TOTAL GROSS PLANT</b>	<b>\$2,760,729,448</b>	<b>\$2,606,645,447</b>	<b>\$2,486,972,448</b>	<b>\$2,394,302,372</b>

**III. BALANCE SHEET AND OPERATING STATEMENT**

III.E.34. Prepare a 3-column schedule of expenses, as described below for the following periods (supply sub-accounts, if significant, to clarify basic accounts):

III.E.34.a. Column 1—Test Year

III.E.34.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.)

*NATURAL GAS PRODUCTION  
EXPENSES  
NATURAL GAS PRODUCTION AND  
GATHERING*

*OPERATION*

750 Operation supervision and engineering  
751 Production maps and records  
752 Gas wells expenses  
753 Field lines expenses  
754 Field compressor station expenses  
755 Field compressor station fuel and power  
756 Field measuring and regulating station expenses  
757 Purification expenses  
758 Gas well royalties  
759 Other expenses  
760 Rents  
Total

***MAINTENANCE***

761 Maintenance supervision and engineering  
762 Maintenance of structures and improvements  
763 Maintenance of producing gas wells  
764 Maintenance of field lines  
765 Maintenance of field compressor station equipment  
766 Maintenance of field measuring and regulating station equipment  
767 Maintenance of purification equipment  
768 Maintenance of drilling and cleaning equipment  
769 Maintenance of other equipment  
Total  
Total Natural Gas Production and Gathering

### III. BALANCE SHEET AND OPERATING STATEMENT

#### ***PRODUCTS EXTRACTION***

##### ***OPERATION***

770	Operation supervision and engineering
771	Operation labor
772	Gas shrinkage
773	Fuel
774	Power
775	Materials
776	Operation supplies and expenses
777	Gas processed by others
778	Royalties on products extracted
779	Marketing expenses
780	Products purchased for resale
781	Variation in products inventory
782	Extracted products used by the utility—Credit
783	Rents
	Total

##### ***MAINTENANCE***

784	Maintenance supervision and engineering
785	Maintenance of structures and improvements
786	Maintenance of extraction and refining equipment
787	Maintenance of pipe lines
788	Maintenance of extracted products storage equipment
789	Maintenance of compressor equipment
790	Maintenance of gas measuring and regulating equipment
791	Maintenance of other equipment
	Total
	Total Products Extraction

#### ***EXPLORATION AND DEVELOPMENT EXPENSES***

##### ***OPERATION***

795	Delay rentals
796	Nonproductive well drilling
797	Abandoned leases
798	Other exploration
	Total Exploration and Development

#### ***OTHER GAS SUPPLY EXPENSES***

##### ***OPERATION***

### III. BALANCE SHEET AND OPERATING STATEMENT

800	Natural gas well head purchases
801	Natural gas field line purchases
802	Natural gas gasoline plant outlet purchases
803	Natural gas transmission line purchases
804	Natural gas city gate purchases
805	Other gas purchases
806	Exchange gas
807	Purchased gas expenses
808	Gas withdrawn from storage—Debit
809	Gas delivered to storage—Credit
810	Gas used for compressor station fuel—Credit
811	Gas used for other products extraction—Credit
812	Gas used for other utility operations—Credit
813	Other gas supply expenses
	Total
	Total Other Gas Supply Expenses
	Total Production Expenses

#### ***UNDERGROUND STORAGE EXPENSES***

##### ***OPERATION***

814	Operation supervision and engineering
815	Maps and records
816	Wells expenses
817	Lines expenses
818	Compressor station expenses
819	Compressor station fuel and power
820	Measuring and regulating station expenses
821	Purification expenses
822	Exploration and development
823	Gas losses
824	Other expenses
825	Storage wells royalties
826	Rents
	Total

##### ***MAINTENANCE***

830	Maintenance supervision and engineering
831	Maintenance of structures and improvements
832	Maintenance of reservoirs and wells
833	Maintenance of lines
834	Maintenance of compressor station equipment
835	Maintenance of measuring and regulating station equipment
836	Maintenance of purification equipment
837	Maintenance of other equipment

### III. BALANCE SHEET AND OPERATING STATEMENT

Total  
Total Underground Storage Expenses

#### ***OTHER STORAGE EXPENSES***

##### ***OPERATION***

840 Operation supervision and engineering  
841 Operation labor and expenses  
842 Rents  
842.1 Fuel  
842.2 Power  
842.3 Gas Losses  
Total

##### ***MAINTENANCE***

843 Maintenance supervision and engineering  
844 Maintenance of structures and improvements  
845 Maintenance of gas holders  
846 Maintenance of purification equipment  
847 Maintenance of liquefaction equipment  
848 Maintenance of vaporizing equipment  
848.1 Maintenance of compressor equipment  
848.2 Maintenance of measuring and regulating equipment  
848.3 Maintenance of other equipment  
Total  
Total Other Storage Expenses

#### ***TRANSMISSION EXPENSES***

##### ***OPERATION***

850 Operation supervision and engineering  
851 System control and load dispatching  
852 Communications system expenses  
853 Compressor station labor and expenses  
854 Gas for compressor station fuel  
855 Other fuel and power for compressor stations  
856 Mains expenses  
857 Measuring and regulating station expenses  
858 Transmission and compression of gas by others  
859 Other expenses  
860 Rents  
Total

##### ***MAINTENANCE***

861 Maintenance supervision and engineering



**III. BALANCE SHEET AND OPERATING STATEMENT**

862	Maintenance of structures and improvements
863	Maintenance of mains
864	Maintenance of compressor station equipment
865	Maintenance of measuring and regulating station equipment
866	Maintenance of communication equipment
867	Maintenance of other equipment
	Total
	Total Transmission Expenses

***DISTRIBUTION EXPENSES***

***OPERATION***

870	Operation supervision and engineering
871	Distribution load dispatching
872	Compressor station labor and expenses
873	Compressor station fuel and power
874	Mains and services expenses
875	Measuring and regulating station expenses—General
876	Measuring and regulating station expenses—Industrial
877	Measuring and regulating station expenses—City gate check stations
878	Meter and house regulator expenses
879	Customer installations expenses
880	Other expenses
881	Rents
	Total

***MAINTENANCE***

885	Maintenance supervision and engineering
886	Maintenance of structures and improvements
887	Maintenance of mains
888	Maintenance of compressor station equipment
889	Maintenance of measuring and regulating station equipment—General
890	Maintenance of measuring and regulating station equipment—Industrial
891	Maintenance of measuring and regulating station equipment—City gate check station
892	Maintenance of services
893	Maintenance of meters and house regulators
894	Maintenance of other equipment
	Total
	Total Distribution Expenses

***CUSTOMER ACCOUNTS EXPENSES***

***OPERATION***

901	Supervision
-----	-------------

**III. BALANCE SHEET AND OPERATING STATEMENT**

- 902 Meter reading expenses
- 903 Customer records and collection expenses
- 904 Uncollectible accounts
- 905 Miscellaneous customer accounts expenses
- Total Customer Accounts Expenses

***CUSTOMER SERVICE EXPENSES***

***OPERATION***

- 909 Supervision
- 910 Customer assistance expenses
- 911 Informational advertising expenses
- 912 Miscellaneous customer service expenses
- Total Customer Service Expenses

***SALES PROMOTION EXPENSES***

***OPERATION***

- 915 Supervision
- 916 Demonstrating and selling expenses
- 917 Promotional advertising expenses
- 918 Miscellaneous sales promotion expenses
- Total Sales Promotion Expenses

***ADMINISTRATIVE AND GENERAL EXPENSES***

***OPERATION***

- 920 Administrative and general salaries
- 921 Office supplies and expenses
- 922 Administrative expenses transferred—Credit
- 923 Outside service employed
- 924 Property insurance
- 925 Injuries and damages
- 926 Employee pensions and benefits
- 927 Franchise requirements
- 928 Regulatory commission expenses
- 929 Duplicate charges—Credit
- 930.1 Institutional or goodwill advertising expense
- 930.2 Miscellaneous general expense
- 931 Rents
- Total Administrative and General Expenses

***MAINTENANCE***

- 932 Maintenance of general plant

Philadelphia Gas Works' Base Rate Filing

**III. BALANCE SHEET AND OPERATING STATEMENT**

Total Administrative and General Expense  
Total Operation Expenses and Purchased Power  
Total Maintenance Expense  
Total Operation and Maintenance Expense

**RESPONSE:**

Please see the attached schedule, III.E.34.

**PHILADELPHIA GAS WORKS**  
**COMPARATIVE OPERATING STATEMENTS**  
**TWELVE MONTHS ENDED AUGUST 31, 2019, 2020 & 2021**

	FY 2019	PERIOD FY 2020	FY 2021
<b>OPERATING EXPENSES INCLUDING FUEL AND RAW MATERIAL</b>			
<b>STEAM PRODUCTION</b>			
7010 OPERATING LABOR	322,873	329,967	318,652
7020 BOILER FUEL	184,832	188,893	182,416
7030 MISC STEAM EXPENSES	401,665	410,491	396,413
7060 MAINT OF STRUCTURE & IMPROVEMENTS	25,812	26,380	25,475
7070 MAINT OF BOILER PLANT EQUIPMENT	344,222	351,786	339,720
7080 MAINT OF OTHER STEAM PRODUCTION PLANT	16,488	16,850	16,272
7100 OPERATION SUPERVISION AND ENGINEERING	172	176	170
<b>MANUFACTURED GAS PRODUCTION</b>			
7120 LABOR & EXP - OTHER POWER EXP	746,507	762,909	736,746
7170 LABOR & EXP LIQUEFIED PETROLEUM	0	0	0
<b>GAS RAW MATERIAL</b>			
7340 GAS RAW MAT'L DUPLICATE CHARGES - CREDIT	(553,169)	(565,324)	(545,937)
7350 GAS RAW MAT'L MISC PROD EXP	1,509,241	1,542,403	1,489,508
7400 MAINTENANCE SUPERVISION AND ENGINEERING	387,180	395,688	382,118
7410 MAINT OF STRUCTURE & IMPROVEMENTS	210,529	215,155	207,778
7420 MAINT OF PRODUCTION EQUIP	484,917	495,570	478,577
<b>OTHER GAS SUPPLY EXPENSES</b>			
8040 NATURAL GAS CITY GATE PURCHASES	205,790,644	194,442,753	190,612,550
8072 PURCHASE GAS EXPENSES	175,850	179,713	173,551
8075 PURCHASE GAS EXPENSES	3,011,782	3,077,958	2,972,406
8081 GAS WITHDRAWN FROM STORAGE - DEBIT	35,192,355	33,251,747	32,596,742
8082 GAS DELIVERED TO STORAGE - DEBIT	(34,182,417)	(32,297,500)	(31,661,292)
8120 GAS USED FOR UTILITY OPERATIONS - CREDIT	(10,630,877)	(10,864,462)	(10,491,889)
8130 OTHER GAS SUPPLY EXPENSE	9,019,418	9,285,330	9,025,442
<b>OTHER STORAGE EXPENSES</b>			
8400 RATION SUPERVISION & ENGINEERING	1,320,606	1,349,622	1,303,340
8410 OTHER STORAGE EXP OPERATIONS LABOR & EXPENSES	4,322,421	4,403,370	4,252,711
8421 FUEL	169,894	173,627	167,673
8422 POWER	316,108	323,054	311,976
8431 MAINTENANCE SUPERVISION & ENGINEERING	648,475	662,722	639,997
8432 MAINTENANCE OF STRUCTURE & IMPROVEMENTS	953,675	974,629	941,210
8433 MAINTENANCE OF GAS HOLDERS	2,484,892	2,539,491	2,452,407
8434 MAINTENANCE OF PURIFICATION EQUIPMENT	16,732	17,099	16,512
8435 MAINTENANCE OF LIQUEFACTION EQUIPMENT	605,855	619,166	597,932
8436 MAINTENANCE OF VAPORIZING EQUIPMENT	1,268,587	1,296,462	1,252,003
8437 MAINTENANCE OF COMPRESSOR EQUIPMENT	362,407	370,373	357,670
8438 MAINTENANCE OF MEASURING & REGULATING EQUIPMENT	110,578	113,008	109,132
8439 MAINTENANCE OF OTHER EQUIPMENT	1,266,119	1,293,938	1,249,565
<b>TRANSMISSION EXPENSES</b>			
8500 TRANSMISSION EXPENSES OPERATION SUPERVISION & ENGINEERING	1,249,676	1,277,134	1,233,337
<b>DISTRIBUTION EXPENSES</b>			
8700 OPERATION SUPERVISION & ENGINEERING	2,186,754	2,002,319	2,041,915
8710 DISTRIBUTION LOAD DISPATCHING	1,741,604	1,937,744	1,943,728
8740 MAIN & SERVICE	4,674,100	5,099,902	5,212,415
8750 MEASURING & REGULATING STATION EXPENSES - GENERAL	2,355,785	2,492,854	2,546,965
8760 PURCHASE GAS EXPENSES	111,528	0	0
8770 MEASURING & REGULATING STATION EXP - CITY GATE CHECK STATIONS	594,968	608,041	587,191
8780 METER & HOUSE REGULATOR EXPENSES	15,641,890	18,787,690	19,232,221
8790 CUSTOMER INSTALLATION EXPENSES	3,153,935	3,108,338	3,304,246
8800 OTHER OPERATION EXPENSES	8,994,636	10,128,824	10,301,433
8810 DISTRIBUTION EXPENSES - RENTS	5,627	12,000	12,000
8850 MAINTENANCE SUPERVISION & ENGINEERING	235,010	240,175	231,934
8870 MAINTENANCE OF MAINS	28,269,701	28,694,114	29,148,165
8890 MAINTENANCE OF MEASURING & REGULATING STATION EQUIPMENT	962,672	1,113,965	1,124,704
8900 INDUSTRIAL M&R MAINTENANCE	55,904	60,000	61,804

**PHILADELPHIA GAS WORKS**  
**COMPARATIVE OPERATING STATEMENTS**  
**TWELVE MONTHS ENDED AUGUST 31, 2019, 2020 & 2021**

	FY 2019	PERIOD FY 2020	FY 2021
8910 MAINTENANCE OF MEASURING & REGULATING STATION EQUIPMENT	544,817	556,787	537,694
8920 MAINTENANCE OF SERVICES	1,386,690	1,757,992	1,814,741
8930 MAINTENANCE OF METERS & HOUSE REGULATORS	2,761,243	2,970,227	2,957,337
<b>CUSTOMER ACCOUNTS EXPENSES</b>			
9010 SUPERVISION	812,541	2,112,759	2,160,605
9020 METER READING EXPENSES	658,362	744,756	760,537
9030 CUSTOMER RECORDS & COLLECTION EXPENSES	25,413,784	26,686,645	27,341,758
9040 UNCOLLECTIBLE ACCOUNTS	29,982,997	30,927,000	29,951,000
9080 CUSTOMER ASSISTANCE EXPENSES	5,275,487	5,537,946	5,510,060
<b>ADMINISTRATIVE &amp; GENERAL</b>			
9200 SALARIES	17,628,774	20,068,996	19,933,911
9210 OFFICE SUPPLIES & EXPENSES	30,882,925	32,108,792	33,818,898
9220 ADMINISTRATIVE EXPENSES TRANSFERRED - CREDIT	(24,061,501)	(30,509,000)	(31,676,000)
9230 OUTSIDE SERVICES EMPLOYED	3,106,783	3,087,000	4,015,000
9240 PROPERTY INSURANCE	362,412	1,737,282	1,847,487
9250 INJURIES & DAMAGES	6,345,564	11,061,461	9,813,037
9260 EMPLOYEE PENSIONS & BENEFITS	82,080,670	81,284,559	77,476,194
9280 REGULATORY COMMISSION EXPENSES	3,852,254	5,361,000	5,532,000
9290 DUPLICATE CHARGES - CREDIT	(904,107)	(700,000)	(715,000)
9301 GENERAL ADVERTISING EXPENSES	513,335	3,403,144	3,487,861
9302 MISCELLANEOUS GENERAL EXPENSES	3,732,962	5,230,856	5,118,139
9310 RENTS	327,535	0	0
<b>OTHER EXPENSES</b>			
4081 TAXES OTHER THAN INCOME TAXES, UTILITY OPERATING INCOME	8,705,106	9,280,000	9,435,000
4030 DEPRECIATION EXPENSE	68,186,045	70,102,000	72,434,000
<b>TOTAL OPERATING &amp; DEPRECIATION EXPENSES</b>	<b>564,132,841</b>	<b>573,756,346</b>	<b>569,443,863</b>
<b>INTEREST EXPENSES</b>			
4270 INTEREST ON LONG TERM DEBT (DR)	46,136,379	49,083,000	53,853,000
4280 AMORTIZATION OF DEBT DISCOUNT AND EXPENSE (DR)	35,225	43,601	34,602
4281 AMORTIZATION OF LOSS ON REACQUIRED DEBT	3,857,659	4,775,000	3,789,402
4290 AMORTIZATION OF PREMIUM ON DEBT (CR)	(11,236,214)	(13,908,153)	(11,037,401)
4310 OTHER INTEREST EXPENSE (DR)	2,098,528	2,597,552	2,061,397
4320 ALLOWANCE FOR BORROWED FUNDS USED DURING CONSTRUCTION (CR)	(1,294,755)	(1,718,000)	(2,212,000)
<b>TOTAL INTEREST EXPENSES</b>	<b>39,596,822</b>	<b>40,873,000</b>	<b>46,489,000</b>

Philadelphia Gas Works' Base Rate Filing

**III. BALANCE SHEET AND OPERATING STATEMENT**

III.E.35. Submit a schedule showing the Gross Receipts Tax Base used in computing Pennsylvania Gross Receipts Tax Adjustment.

**RESPONSE:**

Not applicable.

Philadelphia Gas Works' Base Rate Filing

**III. BALANCE SHEET AND OPERATING STATEMENT**

III.E.36. State the amount of gas, in Mcf, obtained through various suppliers in past years.

**RESPONSE:**

Please see the attached schedule showing the amount of gas, in mcf, obtained through various suppliers, for Fiscal Years 2017, 2018 and 2019.

SEPTEMBER 2016

TEXAS EASTERN SPOT PURCHASES

Supplier	Fuel %	BTU Factor	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
DIRECT	2.2%	1.058	145,000	137,045	3,248	3,070	133,975	\$8,164.91	\$3,767.68	\$168,200.00	\$1.1600
EQT--Baseload	0.0%	1.058	150,000	141,770	-	-	141,770	-	\$0.00	\$174,000.00	\$1.1600
EQT--Swing	2.2%	1.058	375,702	355,090	8,422	7,960	347,130	\$21,155.33	\$8,587.99	\$383,106.96	\$1.0197
MACQUARIE	2.4%	1.058	295,000	278,815	7,118	6,727	272,088	\$18,773.95	\$14,074.94	\$583,325.00	\$1.9774
NEXTERA	2.2%	1.058	150,000	141,770	3,360	3,176	138,595	\$8,446.47	\$3,897.60	\$174,000.00	\$1.1600
SEQUENT	2.2%	1.058	450,000	425,311	10,080	9,527	415,784	\$25,339.40	\$10,681.44	\$476,850.00	\$1.0597
STATOIL	2.2%	1.058	150,000	141,770	3,360	3,176	138,595	\$8,446.47	\$3,922.46	\$175,110.00	\$1.1674
Totals & Averages	2.1%	1.058	1,715,702	1,621,572	35,588	33,636	1,587,936	\$90,326.53	\$44,932.12	\$2,134,591.96	\$1.2442

TRANSCONTINENTAL SPOT PURCHASES

Supplier	Fuel %	BTU Factor	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
ANADARKO	1.0%	1.029	150,000	145,761	1,530	1,487	144,274	\$1,743.30	\$4,215.15	\$413,250.00	\$2.7550
BG/SHELL	0.9%	1.029	150,000	145,761	1,290	1,254	144,507	\$1,415.70	\$3,338.52	\$388,200.00	\$2.5880
BNP	0.3%	1.029	150,000	145,761	510	496	145,265	\$1,220.10	\$701.25	\$206,250.00	\$1.3750
BP	0.3%	1.029	150,000	145,761	510	496	145,265	\$1,220.10	\$1,123.53	\$330,450.00	\$2.2030
COYANOSA	0.3%	1.029	150,000	145,761	510	496	145,265	\$1,220.10	\$1,128.63	\$331,950.00	\$2.2130
ENSTOR	2.3%	1.029	92,100	89,497	2,100	2,041	87,456	\$3,147.30	\$6,129.20	\$268,809.35	\$2.9187
PACIFIC	0.3%	1.029	150,000	145,761	510	496	145,265	\$1,220.10	\$680.85	\$200,250.00	\$1.3350
UGI	0.0%	1.029	-	-	-	-	-	-	-	-	-
PPL	0.0%	1.029	-	-	-	-	-	-	-	-	-
WSS SAG1	0.9%	1.029	992,100	964,060	2,235	2,172	957,297	\$3,331.32	\$17,317.13	\$2,139,159.35	\$2.1562
Totals & Averages	0.9%	1.029	992,100	964,060	9,195	8,935	957,297	\$14,518.02	\$17,317.13	\$2,139,159.35	\$2.1562
Grand Total	1.7%	1.047	2,707,802	2,585,632	44,783	42,571	2,545,233	\$104,844.55	\$62,249.25	\$4,273,751.31	\$1.5783



OCTOBER 2016

TEXAS EASTERN SPOT PURCHASES

Supplier	Fuel %	BTU Factor	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
DIRECT	2.2%	1.053	155,000	147,211	3,472	3,298	143,914	\$8,712.86	\$2,881.76	\$128,650.00	\$0.8300
EQT--Baseload	0.0%	1.053	155,000	147,211			147,211		-	\$128,650.00	\$0.8300
EQT--Swing	2.2%	1.053	344,648	327,329	7,720	7,332	319,997	\$19,373.36	\$6,950.56	\$310,297.58	\$0.9003
MACQUARIE	2.4%	1.053	310,000	294,422	7,471	7,096	287,327	\$19,660.43	\$12,943.51	\$537,075.00	\$1.7325
NEXTERA	2.2%	1.053	155,000	147,211	3,472	3,298	143,914	\$8,712.86	\$2,881.76	\$128,650.00	\$0.8300
SEQUENT	2.2%	1.053	465,000	441,633	10,416	9,893	431,741	\$26,138.58	\$8,982.40	\$401,000.00	\$0.8624
STATOIL	2.2%	1.053	155,000	147,211	3,472	3,298	143,914	\$8,712.86	\$2,907.45	\$129,797.00	\$0.8374
Totals & Averages	2.1%	1.0529	1,739,648	1,652,228	36,023	34,213	1,618,016	\$91,310.95	\$37,547.44	\$1,764,119.58	\$1.0141

TRANSCONTINENTAL SPOT PURCHASES

Supplier	Fuel %	BTU	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
ANADARKO	1.0%	1.039	115,000	110,725	1,173	1,129	109,595	\$1,336.53	\$3,102.59	\$304,175.00	\$2.6450
BG/SHELL	0.9%	1.039	155,000	149,238	1,333	1,283	147,954	\$1,462.89	\$3,449.80	\$401,140.00	\$2.5880
BNP	0.3%	1.039	155,000	149,238	527	507	148,730	\$1,245.27	\$545.45	\$160,425.00	\$1.0350
BP	0.3%	1.039	155,000	149,238	527	507	148,730	\$1,245.27	\$1,213.15	\$356,810.00	\$2.3020
COYANOSA	0.3%	1.039	155,000	149,238	527	507	148,730	\$1,245.27	\$1,218.42	\$358,360.00	\$2.3120
ENSTOR	2.3%	1.039	337,543	324,994	7,717	7,430	317,564	\$11,501.04	\$22,167.01	\$969,589.21	\$2.8725
PACIFIC	0.3%	1.039	155,000	149,238	527	507	148,730	\$1,245.27	\$545.45	\$160,425.00	\$1.0350
OXY	2.3%	1.039	95,819	92,257	2,191	2,110	90,147	\$3,264.81	\$6,157.91	\$269,303.96	\$2.8105
DIRECT	2.3%	1.039	105,000	101,096	2,401	2,312	98,785	\$3,577.63	\$6,340.32	\$277,273.50	\$2.6407
WSSSAG1	0.0%	1.039	-	-	-	-	-	\$7,299.59	-	-	\$0.0000
Totals & Averages	1.0%	1.039	1,428,362	1,375,259	14,522	13,982	1,260,181	\$33,423.57	\$38,999.78	\$3,257,501.67	\$2.2806
Grand Total	1.6%	1.046	3,168,010	3,027,488	50,545	48,195	2,878,196	\$124,734.52	\$75,947.22	\$5,021,621.25	\$1.5851

NOVEMBER 2016

TEXAS EASTERN SPOT PURCHASES

Supplier	Fuel %	BTU Factor	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
SHELL/BG	4.0%	1.053	150,000	142,400	6,060	5,753	136,647	\$12,191.72	\$17,210.40	\$426,000.00	\$2.8400
EQT--Baseload	0.0%	1.053	150,000	142,400		-	142,400		\$0.00	\$312,000.00	\$2.0800
EQT--Baseload	2.2%	1.053	300,000	284,800	6,720	6,380	278,420	\$16,863.26	\$7,425.60	\$331,500.00	\$1.1050
EQT--Swing	2.2%	1.053	150,000	142,400	3,360	3,190	139,210	\$8,431.80	\$6,644.96	\$296,650.00	\$1.9777
MACQUARIE	2.2%	1.053	300,000	284,800	6,720	6,380	278,420	\$17,063.94	\$7,341.60	\$327,750.00	\$1.0925
NEXTERA	2.4%	1.053	300,000	284,800	7,310	6,940	277,860	\$16,863.61	\$8,041.00	\$330,000.00	\$1.1000
SEQUENT	4.0%	1.053	150,000	142,400	5,970	5,668	136,732	\$11,954.49	\$15,954.83	\$400,875.00	\$2.6725
SEQUENT	2.2%	1.053	500,000	474,666	11,200	10,633	464,034	\$28,106.00	\$21,310.24	\$951,350.00	\$1.9027
UET	4.0%	1.053	150,000	142,400	6,060	5,753	136,647	\$12,191.72	\$16,362.00	\$405,000.00	\$2.7000
OXY	4.0%	1.053	150,000	142,400	5,970	5,668	136,732	\$11,954.49	\$15,939.90	\$400,500.00	\$2.6700
Totals & Averages	2.6%	1.053	2,300,000	2,183,464	59,370	56,362	2,127,103	\$135,621.03	\$107,940.47	\$4,181,625.00	\$1.8181

TRANSCONTINENTAL SPOT PURCHASES

Supplier	Fuel %	BTU	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
ANADARKO	1.0%	1.030	300,000	291,213	3,090	2,999	288,213	\$3,485.70	\$9,053.70	\$879,000.00	\$2.9300
BG/SHELL	2.4%	1.030	150,000	145,606	3,549	3,445	142,161	\$5,106.60	\$9,679.90	\$409,125.00	\$2.7275
TENASKA65	2.7%	1.030	150,000	145,606	4,088	3,968	141,638	\$5,670.42	\$11,129.58	\$408,375.00	\$2.7225
BP	3.4%	1.030	150,000	145,606	5,107	4,957	140,649	\$6,706.93	\$13,809.33	\$405,600.00	\$2.7040
COYANOSA 85	2.4%	1.030	150,000	145,606	3,549	3,445	142,161	\$5,106.60	\$9,623.11	\$406,725.00	\$2.7115
COYANOSA30	3.4%	1.030	150,000	145,606	5,107	4,957	140,649	\$6,706.93	\$14,179.59	\$416,475.00	\$2.7765
MACQUARIE	2.4%	1.030	150,000	145,606	3,550	3,446	142,160	\$5,106.56	\$9,682.63	\$409,125.00	\$2.7275
ENSTOR	2.3%	1.030	260,234	252,612	5,954	5,780	246,832	\$8,866.76	\$15,210.48	\$664,810.90	\$2.5547
OXY	2.5%	1.030	470,234	456,460	11,678	11,336	445,125	\$16,572.24	\$29,033.61	\$1,169,086.48	\$2.4862
UET	2.7%	1.030	150,000	145,606	4,088	3,968	141,638	\$5,670.42	\$11,119.36	\$408,000.00	\$2.7200
TENASKA85	2.4%	1.030	150,000	145,606	3,549	3,445	142,161	\$5,106.60	\$10,638.13	\$449,625.00	\$2.9975
WSSINVC1	0.0%	1.030	0	0	0	0	0	\$1,590.99	\$0.00	\$0.00	\$0.0000
WSS SAG1	0.0%	1.030	0	0	0	0	0	\$8,720.77	\$0.00	\$0.00	\$0.0000
Totals & Averages	2.4%	1.030	2,230,468	2,165,136	53,309	51,748	2,113,388	\$84,417.52	\$143,159.41	\$6,025,947.38	\$2.7017

Supplier	Fuel %	BTU	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
Grand Total	2.5%	1.042	4,530,468	4,348,600	112,679	108,109	4,240,491	\$220,038.55	\$251,099.88	\$10,207,572.38	\$2.2531

DECEMBER 2016

TEXAS EASTERN SPOT PURCHASES

Supplier	Fuel %	BTU Factor	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
SHELL/BG	4.3%	1.054	155,000	147,089	6,634	6,295	140,794	\$9,762.49	\$20,731.25	\$484,375.00	\$3.1250
EQT--Baseload	0.0%	1.054	155,000	147,089		-	147,089			\$322,400.00	\$2.0800
EQT--Baseload	2.5%	1.054	310,000	294,178	7,719	7,325	286,853	\$14,237.44	\$18,641.39	\$748,650.00	\$2.4150
EQT--Swing	2.5%	1.054	310,000	294,178	7,719	7,325	286,853	\$14,237.44	\$23,530.50	\$945,000.00	\$3.0484
MACQUARIE	2.9%	1.054	310,000	294,178	9,052	8,590	285,588	\$14,237.44	\$21,747.43	\$744,775.00	\$2.4025
NEXTERA	2.5%	1.054	310,000	294,178	7,719	7,325	286,853	\$14,237.44	\$18,602.79	\$747,100.00	\$2.4100
SEQUENT	4.3%	1.054	155,000	147,089	6,696	6,354	140,735	\$9,491.46	\$17,627.22	\$408,037.50	\$2.6325
SEQUENT	2.5%	1.054	760,000	721,210	18,909	17,944	703,266	\$34,905.39	\$57,845.37	\$2,324,950.00	\$3.0591
UET	4.3%	1.054	155,000	147,089	6,634	6,295	140,794	\$9,762.49	\$17,049.38	\$398,350.00	\$2.5700
OXY	4.3%	1.054	155,000	147,089	6,696	6,354	140,735	\$9,491.46	\$21,092.40	\$488,250.00	\$3.1500
BP	4.5%	1.054	240,000	227,751	10,728	10,180	217,570	\$15,819.76	\$37,267.51	\$833,725.00	\$3.4739
Totals & Averages	2.9%	1.054	3,015,000	2,861,117	88,506	83,989	2,777,128	\$146,182.81	\$254,135.23	\$8,445,612.50	\$2.8012

TRANSCONTINENTAL SPOT PURCHASES

Supplier	Fuel %	BTU Factor	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
ANADARKO	1.0%	1.035	310,000	299,512	3,193	3,085	296,427	\$3,601.89	\$8,844.61	\$858,700.00	\$2.7700
BG/SHELL	2.3%	1.035	154,857	149,618	3,531	3,412	146,206	\$5,276.60	\$11,290.37	\$495,155.26	\$3.1975
TENASKA65	2.6%	1.035	155,000	149,756	4,092	3,954	145,802	\$5,864.58	\$13,104.63	\$496,387.50	\$3.2025
BP	2.6%	1.035	610,000	589,362	15,563	15,036	574,326	\$22,439.18	\$53,538.25	\$2,098,460.00	\$3.4401
COYANOSA 85	2.3%	1.035	155,000	149,756	3,534	3,414	146,342	\$5,281.47	\$11,466.06	\$502,897.50	\$3.2445
COYANOSA30	3.3%	1.035	155,000	149,756	5,146	4,972	144,784	\$6,936.56	\$16,361.71	\$492,822.50	\$3.1795
MACQUARIE	2.3%	1.035	155,000	149,756	3,534	3,414	146,342	\$5,281.47	\$11,299.97	\$495,612.50	\$3.1795
ENSTOR	2.3%	1.035	760,000	734,287	17,389	16,801	717,487	\$25,895.01	\$61,008.51	\$2,666,425.00	\$3.5085
OXY	2.6%	1.035	155,000	149,756	4,092	3,954	145,802	\$5,864.58	\$12,889.80	\$488,250.00	\$3.1500
OXY	2.3%	1.035	610,000	589,362	13,969	13,496	575,866	\$20,783.61	\$60,469.97	\$2,640,610.00	\$4.3289
UET	2.6%	1.035	155,000	149,756	4,092	3,954	145,802	\$5,864.58	\$13,094.40	\$496,000.00	\$3.2000
TENASKA85	2.3%	1.035	155,000	149,756	3,534	3,414	146,342	\$5,281.47	\$11,299.97	\$495,612.50	\$3.1975
WSSINWCGI	0.0%	1.035		0		0	0	\$4,369.05	\$0.00		\$0.0000
WSS SAGI	0.0%	1.035		0		0	0	\$10,443.12	\$0.00		\$0.0000
Totals & Averages	2.3%	1.035	3,529,857	3,410,433	81,669	78,906	3,331,527	\$133,183.17	\$284,668.24	\$12,226,932.76	\$3.4639

Grand Total 2.6% 1.044 6,544,857 6,271,550 170,175 162,895 6,108,655 \$279,365.98 \$538,803.47 \$20,672,545.26 \$3.1586

JANUARY 2017

TEXAS EASTERN SPOT PURCHASES

Supplier	Fuel %	BTU Factor	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
SHELL/BG	4.3%	1.052	155,000	147,271	6,634	6,303	140,968	\$9,762.49	\$25,375.05	\$592,875.00	\$3.8250
EQT--Baseload	0.0%	1.052	155,000	147,271			147,271			\$322,400.00	\$2.0800
EQT--Baseload	2.5%	1.052	310,000	294,542	7,719	7,334	287,208	\$14,237.44	\$26,360.39	\$1,058,650.00	\$3.4150
EQT--Swing	2.5%	1.052	310,000	294,542	7,719	7,334	287,208	\$14,237.44	\$23,283.99	\$935,100.00	\$3.0165
MACQUARIE	2.5%	1.052	310,000	294,542	7,719	7,334	287,208	\$14,237.44	\$26,263.90	\$1,054,775.00	\$3.4025
NEXTERA	2.5%	1.052	310,000	294,542	7,719	7,334	287,208	\$14,237.44	\$26,321.79	\$1,057,100.00	\$3.4100
SEQUENT	4.3%	1.052	155,000	147,271	6,696	6,362	140,909	\$9,491.46	\$25,595.46	\$592,487.50	\$3.8225
SEQUENT	2.5%	1.052	701,914	666,913	17,464	16,593	650,320	\$32,237.60	\$52,767.86	\$2,120,848.72	\$3.0215
UET	4.3%	1.052	155,000	147,271	6,634	6,303	140,968	\$9,762.49	\$25,408.22	\$593,650.00	\$3.8300
OXY	4.3%	1.052	154,985	147,257	6,696	6,362	140,894	\$9,490.50	\$25,578.72	\$592,042.70	\$3.8200
BP	4.5%	1.052	80,000	76,011	3,576	3,398	72,613	\$5,273.25	\$11,418.62	\$255,450.00	\$3.1931
Totals & Averages	2.8%	1.052	2,796,899	2,657,430	78,576	74,658	2,582,773	\$132,967.55	\$268,373.99	\$9,175,378.92	\$3.2806

TRANSCONTINENTAL SPOT PURCHASES

Supplier	Fuel %	BTU Factor	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
ANADARKO	1.0%	1.034	310,000	299,899	3,193	3,089	296,810	\$3,601.89	\$11,399.01	\$1,106,700.00	\$3.5700
BG/SHELL	2.3%	1.034	155,000	149,950	3,534	3,419	146,531	\$5,281.47	\$13,773.77	\$604,112.50	\$3.8975
TENASKA65	2.6%	1.034	155,000	149,950	4,092	3,959	145,991	\$5,864.58	\$15,928.11	\$603,337.50	\$3.8925
BP GAS DAY	2.3%	1.034	160,000	154,787	3,664	3,545	151,242	\$5,451.44	\$11,901.13	\$519,700.00	\$3.2481
BP	3.3%	1.034	155,000	149,950	5,146	4,978	144,971	\$6,936.56	\$19,915.02	\$599,850.00	\$3.8700
COYANOSA 85	2.3%	1.034	155,000	149,950	3,534	3,419	146,531	\$5,281.47	\$13,932.80	\$611,087.50	\$3.9425
COYANOSA30	3.3%	1.034	155,000	149,950	5,146	4,978	144,971	\$6,936.56	\$19,953.62	\$601,012.50	\$3.8775
MACQUARIE	2.3%	1.034	155,000	149,950	3,534	3,419	146,531	\$5,281.47	\$13,773.77	\$604,112.50	\$3.8975
ENSTOR	2.3%	1.034	671,053	649,188	15,353	14,853	634,335	\$22,864.40	\$50,141.66	\$2,191,604.97	\$3.2659
OXY65	2.6%	1.034	155,000	149,950	4,092	3,959	145,991	\$5,864.58	\$16,040.64	\$607,600.00	\$3.9200
OXY85SW	2.3%	1.034	635,000	614,309	14,540	14,066	600,243	\$21,635.47	\$47,411.28	\$2,070,575.00	\$3.2607
UET	2.6%	1.034	155,000	149,950	4,092	3,959	145,991	\$5,864.58	\$15,917.88	\$602,950.00	\$3.8900
TENASKA85	2.3%	1.034	155,000	149,950	3,534	3,419	146,531	\$5,281.47	\$13,773.77	\$604,112.50	\$3.8975
WSSINVCG1	0.0%	1.034		0	3,609	3,491		\$5,369.47	\$0.00		\$0.0000
WSS SAG1	0.0%	1.034		0	6,858	6,635		\$10,187.80	\$0.00		\$0.0000
Totals & Averages	2.6%	1.034	3,171,053	3,067,729	83,921	81,187	2,996,668	\$121,703.21	\$263,862.43	\$11,326,754.97	\$3.5719
Grand Total	2.7%	1.042	5,967,952	5,725,159	162,497	155,844	5,579,441	\$254,670.76	\$532,236.42	\$20,502,133.89	\$3.4354

FEBRUARY 2017

TEXAS EASTERN SPOT PURCHASES

Supplier	Fuel %	BTU Factor	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
SHELL	4.3%	1.052	140,000	133,019	5,992	5,693	127,326	\$8,924.93	\$19,683.72	\$459,900.00	\$3.2850
EQT--Baseload	0.0%	1.052	140,000	133,019	0	0	133,019	\$0.00	\$0.00	\$291,200.00	\$2.0800
EQT--Baseload	2.5%	1.052	280,000	266,038	6,972	6,624	259,413	\$13,023.44	\$20,950.86	\$841,400.00	\$3.0050
EQT--Swing	2.5%	1.052	280,000	266,038	6,972	6,624	259,413	\$13,023.44	\$17,265.66	\$693,400.00	\$2.4764
MACQUARIE	2.5%	1.052	280,000	266,038	6,972	6,624	259,413	\$13,023.44	\$20,863.71	\$837,900.00	\$2.9925
NEXTERA	2.5%	1.052	280,000	266,038	6,972	6,624	259,413	\$13,023.44	\$20,916.00	\$840,000.00	\$3.0000
SEQUENT	4.3%	1.052	140,000	133,019	6,048	5,746	127,272	\$8,680.09	\$19,852.56	\$459,550.00	\$3.2825
SEQUENT	2.5%	1.052	495,510	470,801	12,328	11,713	459,088	\$23,047.78	\$32,280.94	\$1,297,495.90	\$2.6185
UET	4.3%	1.052	140,000	133,019	5,992	5,693	127,326	\$8,924.93	\$19,713.68	\$460,600.00	\$3.2900
OXY	4.3%	1.052	140,000	133,019	6,048	5,746	127,272	\$8,680.09	\$19,837.44	\$459,200.00	\$3.2800
BP DAY GAS		1.052	0	0	0	0	0	\$0.00	\$0.00	\$0.00	
Totals & Averages	2.8%	1.052	2,315,510	2,200,046	64,296	61,090	2,138,956	\$110,351.58	\$191,364.57	\$6,640,645.90	\$2.8679

TRANSCONTINENTAL SPOT PURCHASES

Supplier	Fuel %	BTU Factor	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
ANADARKO	1.0%	1.034	280,000	270,669	2,884	2,788	267,881	\$3,253.32	\$10,295.88	\$999,600.00	\$3.5700
SHELL	2.3%	1.034	140,000	135,335	3,192	3,086	132,249	\$4,770.36	\$10,653.30	\$467,250.00	\$3.3375
TENASKA65	2.6%	1.034	140,000	135,335	3,696	3,573	131,762	\$5,297.04	\$12,316.92	\$466,550.00	\$3.3325
BP GAS DAY		1.034	0	0	0	0	0	\$0.00	\$0.00	\$0.00	
BP	3.3%	1.034	140,000	135,335	4,648	4,493	130,841	\$6,265.28	\$15,482.49	\$466,340.00	\$3.3310
COYANOSA 85	2.3%	1.034	140,000	135,335	3,192	3,086	132,249	\$4,770.36	\$10,863.97	\$476,490.00	\$3.4035
COYANOSA30	3.3%	1.034	140,000	135,335	4,648	4,493	130,841	\$6,265.28	\$15,517.35	\$467,390.00	\$3.3385
MACQUARIE	2.3%	1.034	140,000	135,335	3,192	3,086	132,249	\$4,770.36	\$10,653.30	\$467,250.00	\$3.3375
ENSTOR	2.3%	1.034	495,468	478,957	11,336	10,958	467,998	\$16,881.79	\$32,422.27	\$1,417,095.88	\$2.8601
OXY65	2.6%	1.034	137,527	132,944	3,631	3,510	129,434	\$5,203.44	\$12,276.41	\$464,978.79	\$3.3810
OXY85SW	2.3%	1.034	490,000	473,671	11,221	10,847	462,824	\$16,695.04	\$31,478.34	\$1,374,600.00	\$2.8053
UET	2.6%	1.034	140,000	135,335	3,696	3,573	131,762	\$5,297.04	\$12,307.68	\$466,200.00	\$3.3300
TENASKA85	2.3%	1.034	140,000	135,335	3,192	3,086	132,249	\$4,770.36	\$10,653.30	\$467,250.00	\$3.3375
WSS INV		1.034			4,255	4,115		\$6,330.82		\$0.00	\$0.0000
WSS SAG1		1.034			5,941	5,746		\$8,824.67		\$0.00	\$0.0000
Totals & Averages	2.3%	1.034	2,522,995	2,438,917	58,528	56,578	2,382,339	\$99,395.12	\$184,921.21	\$8,000,994.67	\$3.1712
Grand Total	2.5%	1.043	4,838,505	4,638,963	122,824	117,667	4,521,295	\$209,746.70	\$376,285.78	\$14,641,640.57	\$3.0261

MARCH 2017

TEXAS EASTERN SPOT PURCHASES

Supplier	Fuel %	BTU Factor	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
SHELL	6.3%	1.050	155,000	147,662	9,763	9,301	138,361	\$9,672.79	\$24,456.32	\$388,275.00	\$2.5050
EQT--Baseload	0.0%	1.050	155,000	147,662	0	0	147,662	\$0.00	\$0.00	\$322,400.00	\$2.0800
EQT--Baseload	5.8%	1.050	310,000	295,323	17,893	17,046	278,277	\$13,933.50	\$37,306.91	\$646,350.00	\$2.0850
EQT--Swing	2.5%	1.050	230,000	219,111	5,727	5,456	213,655	\$10,697.82	\$15,017.19	\$603,100.00	\$2.6222
MACQUARIE	2.5%	1.050	310,000	295,323	7,764	7,396	287,927	\$14,416.66	\$16,090.89	\$642,475.00	\$2.0725
NEXTERA	2.6%	1.050	310,000	295,323	8,160	7,774	287,550	\$14,397.76	\$16,972.80	\$644,800.00	\$2.0800
SEQUENT	4.3%	1.050	155,000	147,662	6,696	6,379	141,283	\$9,610.10	\$16,823.70	\$389,437.50	\$2.5125
SEQUENT SW	2.5%	1.050	585,000	557,304	14,557	13,868	543,436	\$27,210.14	\$38,246.34	\$1,537,000.00	\$2.6274
UET	6.3%	1.050	155,000	147,662	9,763	9,301	138,361	\$9,672.79	\$24,505.13	\$389,050.00	\$2.5100
OXY	7.5%	1.050	155,000	147,662	11,687	11,134	136,528	\$9,286.69	\$29,334.37	\$389,050.00	\$2.5100
BP DAY GAS		1.050	0	0	0	0	0	\$0.00	\$0.00	\$0.00	
Totals & Averages	3.7%	1.050	2,520,000	2,400,693	92,010	87,654	2,313,039	\$118,898.25	\$218,753.64	\$5,951,937.50	\$2.3619

TRANSCONTINENTAL SPOT PURCHASES

Supplier	Fuel %	BTU Factor	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
ANADARKO	1.0%	1.035	310,000	299,537	3,193	3,085	296,452	\$3,601.89	\$11,399.01	\$1,106,700.00	\$3.5700
SHELL	2.3%	1.035	155,000	149,768	3,534	3,415	146,354	\$5,281.47	\$9,002.87	\$394,862.50	\$2.5475
TENASKA65	2.6%	1.035	155,000	149,768	4,092	3,954	145,815	\$5,864.58	\$10,444.83	\$395,637.50	\$2.5525
BP GAS DAY		1.035	40,000	38,650	916	885	37,765	\$1,362.84	\$0.00	\$118,800.00	
BP	3.3%	1.035	155,000	149,768	5,146	4,972	144,796	\$6,936.56	\$13,209.78	\$397,885.00	\$2.5670
COYANOSA 85	2.3%	1.035	155,000	149,768	3,534	3,415	146,354	\$5,281.47	\$9,327.99	\$409,122.50	\$2.6395
COYANOSA30	3.3%	1.035	155,000	149,768	5,146	4,972	144,796	\$6,936.56	\$13,248.38	\$399,047.50	\$2.5745
MACQUARIE	2.3%	1.035	155,000	149,768	3,534	3,415	146,354	\$5,281.47	\$9,002.87	\$394,862.50	\$2.5475
ENSTOR	2.3%	1.035	585,000	565,255	13,387	12,935	552,320	\$19,932.20	\$37,830.58	\$1,653,162.50	\$2.8259
OXY65	2.6%	1.035	155,000	149,768	4,092	3,954	145,815	\$5,864.58	\$10,708.76	\$405,635.00	\$2.6170
OXY85SW	2.3%	1.035	449,911	434,726	10,303	9,955	424,770	\$15,329.13	\$29,161.70	\$1,273,432.11	\$2.8304
UET	2.6%	1.035	155,000	149,768	4,092	3,954	145,815	\$5,864.58	\$10,434.60	\$395,250.00	\$2.5500
TENASKA85	2.3%	1.035	155,000	149,768	3,534	3,415	146,354	\$5,281.47	\$9,002.87	\$394,862.50	\$2.5475
WSS INV		1.035	0	0	4,255	4,111	0	\$9,471.25	\$0.00	\$0.00	\$0.0000
WSS SAGI		1.035	0	0	5,941	5,740	0	\$10,293.58	\$0.00	\$0.00	\$0.0000
Totals & Averages	2.7%	1.035	2,779,911	2,686,084	74,699	62,326	2,623,758	\$112,583.63	\$172,774.23	\$7,739,259.61	\$2.7840

Grand Total	3.1%	1.042	5,299,911	5,086,777	166,709	149,980	4,936,797	\$231,481.88	\$391,527.87	\$13,691,197.11	\$2.5833
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APRIL 2017

TEXAS EASTERN SPOT PURCHASES

Supplier	Fuel %	BTU Factor	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
BP	2.1%	1.049	150,000	143,021	3,090	2,946	140,075	\$7,007.60	\$7,276.95	\$353,250.00	\$2.3550
EQT--Baseload	2.1%	1.049	300,000	286,042	6,210	5,921	280,121	\$14,013.79	\$16,596.23	\$801,750.00	\$2.6725
EQT--Baseload	0.0%	1.049	150,000	143,021	0	-	143,021	\$0.00	\$0.00	\$400,875.00	\$2.6725
EQT--Swing	2.1%	1.049	90,636	86,419	1,878	1,791	84,628	\$4,233.76	\$4,737.50	\$228,640.97	\$2.5226
MACQUARIE	2.1%	1.049	150,000	143,021	3,090	2,946	140,075	\$7,007.60	\$8,258.03	\$400,875.00	\$2.6725
NEXTERA	2.1%	1.049	150,000	143,021	3,090	2,946	140,075	\$7,007.60	\$8,258.03	\$400,875.00	\$2.6725
SEQUENT	2.1%	1.049	149,167	142,227	3,073	2,930	139,297	\$6,968.68	\$8,235.64	\$399,767.56	\$2.6800
SEQUENT SW	2.1%	1.049	351,666	335,304	7,275	6,937	328,368	\$16,427.45	\$19,713.52	\$952,931.47	\$2.7098
BP DAY GAS	1.049	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	#DIV/0!
Totals & Averages	1.9%	1.049	1,491,469	1,422,076	27,706	26,417	1,395,659	\$62,666.48	\$73,075.89	\$3,938,965.00	\$2.6410

TRANSCONTINENTAL SPOT PURCHASES

Supplier	Fuel %	BTU	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
SHELL 45	0.6%	1.029	284,400	276,453	1,593	1,548	274,905	\$2,567.85	\$4,966.18	\$886,617.00	\$3.1175
SHELL 65	2.3%	1.029	15,600	15,164	360	350	14,814	\$620.25	\$1,122.30	\$48,633.00	\$3.1175
BP GAS DAY	1.029	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	
BP	0.4%	1.029	150,000	145,809	580	564	145,245	\$1,240.33	\$1,629.80	\$421,500.00	\$2.8100
PACIFIC SUMMIT	0.4%	1.029	150,000	145,809	600	583	145,225	\$1,283.10	\$1,680.00	\$420,000.00	\$2.8000
DIRECT ENERGY	0.4%	1.029	150,000	145,809	600	583	145,225	\$1,283.10	\$1,668.00	\$417,000.00	\$2.7800
MACQUARIE	0.4%	1.029	150,000	145,809	600	583	145,225	\$1,283.10	\$1,662.00	\$415,500.00	\$2.7700
ENSTOR SW	2.0%	1.029	222,545	216,327	4,493	4,367	211,959	\$7,945.78	\$13,576.82	\$672,480.26	\$3.0218
OXY85SW	2.0%	1.029	61,236	59,525	1,236	1,201	58,323	\$2,186.40	\$3,704.40	\$183,529.41	\$2.9971
WSS INV	1.029	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.0000
WSS SAG1	1.029	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.0000
Totals & Averages	1.4%	1.029	1,183,781	1,150,704	17,054	16,577	1,140,923	\$30,780.45	\$30,009.49	\$3,465,259.67	\$2.9273

Grand Total	1.7%	1.029	2,675,250	2,572,780	44,760	42,994	2,536,582	\$93,446.93	\$103,085.38	\$7,404,224.67	\$2.7677
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MAY 2017

TEXAS EASTERN SPOT PURCHASES

Supplier	Fuel %	BTU Factor	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
BP	2.1%	1.046	155,000	148,246	3,193	3,054	145,192	\$7,241.19	\$7,414.15	\$359,910.00	\$2.3220
EQT--Baseload	0.0%	1.046	155,000	148,246	0	0	148,246		\$0.00	\$400,287.50	\$2.5825
EQT--Baseload	2.1%	1.046	310,000	296,491	6,417	6,137	290,354	\$14,480.91	\$16,571.90	\$800,575.00	\$2.5825
EQT--Swing	2.1%	1.046	235,212	224,962	4,863	4,651	220,311	\$10,987.64	\$13,150.45	\$636,056.50	\$2.7042
MACQUARIE	2.1%	1.046	155,000	148,246	3,193	3,054	145,192	\$7,241.19	\$8,245.92	\$400,287.50	\$2.5825
NEXTERA	2.1%	1.046	155,000	148,246	3,193	3,054	145,192	\$7,241.19	\$8,245.92	\$400,287.50	\$2.5825
SEQUENT	2.1%	1.046	155,000	148,246	3,193	3,054	145,192	\$7,241.19	\$8,269.87	\$401,450.00	\$2.5900
SEQUENT SW	2.1%	1.046	326,860	312,616	6,756	6,462	306,155	\$15,268.96	\$18,298.56	\$885,297.34	\$2.7085
BP DAY GAS		1.046									
Totals & Averages	1.9%	1.046	1,647,072	1,575,297	30,808	29,465	1,545,832	\$69,702.27	\$80,196.77	\$4,284,151.34	\$2.6011

TRANSCONTINENTAL SPOT PURCHASES

Supplier	Fuel %	BTU	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
SHELL 45	0.6%	1.028	310,000	301,500	1,736	1,688	299,812	\$2,798.99	\$5,431.51	\$969,912.50	\$3.1288
SHELL 65		1.028	0	0	0	0	0	\$0.00	\$0.00	\$0.00	
BP GAS DAY		1.028	0	0	0	0	0	\$0.00	\$0.00	\$0.00	
BP	0.4%	1.028	155,000	150,750	620	603	150,147	\$1,325.87	\$1,721.74	\$430,435.00	\$2.7770
PACIFIC SUMMIT	0.4%	1.028	155,000	150,750	620	603	150,147	\$1,325.87	\$1,773.20	\$443,300.00	\$2.8600
DIRECT ENERGY	0.4%	1.028	155,000	150,750	620	603	150,147	\$1,325.87	\$1,760.80	\$440,200.00	\$2.8400
MACQUARIE	0.4%	1.028	155,000	150,750	620	603	150,147	\$1,325.87	\$1,754.60	\$438,650.00	\$2.8300
ENSTOR SW	2.0%	1.028	451,339	438,964	9,116	8,866	430,098	\$16,114.72	\$27,947.73	\$1,383,710.25	\$3.0658
OXY85SW	2.0%	1.028	390,824	380,108	7,894	7,678	372,431	\$13,954.08	\$24,260.52	\$1,201,113.72	\$3.0733
WSS INV		1.028			0	0					\$0.0000
WSS SAG1		1.028			5,016	4,878		\$8,863.06			\$0.0000
Totals & Averages	1.5%	1.028	1,772,163	1,723,574	26,242	25,522	1,702,930	\$47,034.33	\$64,650.10	\$5,307,321.47	\$2.9948
Grand Total	1.7%	1.029	3,419,235	3,298,871	57,050	54,988	3,248,762	\$116,736.60	\$144,846.87	\$9,591,472.81	\$2.8052



JUNE 2017

TEXAS EASTERN SPOT PURCHASES

Supplier	Fuel %	BTU Factor	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
BP	2.1%	1.044	150,000	143,720	3,090	2,961	140,759	\$7,007.60	\$7,465.44	\$362,400.00	\$2.4160
EQT--Baseload	0.0%	1.044	150,000	143,720	0	0	143,720	\$0.00	\$0.00	\$399,375.00	\$2.6625
EQT--Baseload	2.1%	1.044	300,000	287,439	6,210	5,950	281,489	\$14,013.78	\$16,534.13	\$798,750.00	\$2.6625
EQT--Swing	2.1%	1.044	217,000	207,914	4,497	4,309	203,606	\$10,136.39	\$8,612.48	\$415,590.00	\$1.9152
MACQUARIE	2.1%	1.044	150,000	143,720	3,090	2,961	140,759	\$7,007.60	\$8,227.13	\$399,375.00	\$2.6625
NEXTERA	2.1%	1.044	150,000	143,720	3,090	2,961	140,759	\$7,007.60	\$8,227.13	\$399,375.00	\$2.6625
SEQUENT	2.1%	1.044	150,000	143,720	3,090	2,961	140,759	\$7,007.60	\$8,250.30	\$400,500.00	\$2.6700
SEQUENT SW	2.1%	1.044	150,000	143,720	3,090	2,961	140,759	\$7,007.60	\$5,872.03	\$285,050.00	\$1.9003
BP DAY GAS											
Totals & Averages	1.8%	1.044	1,417,000	1,357,671	26,157	25,062	1,332,609	\$59,188.17	\$63,188.63	\$3,460,415.00	\$2.4421

TRANSCONTINENTAL SPOT PURCHASES

Supplier	Fuel %	BTU Factor	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
SHELL 45	0.6%	1.028	300,000	291,743	1,680	1,634	290,109	\$2,708.70	\$5,321.40	\$950,250.00	\$3.1675
SHELL 65											
BP GAS DAY											
BP	0.4%	1.028	150,000	145,872	601	584	145,287	\$1,283.10	\$1,725.47	\$430,650.00	\$2.8710
PACIFIC SUMMIT	0.4%	1.028	150,000	145,872	600	583	145,288	\$1,283.10	\$1,704.00	\$426,000.00	\$2.8400
DIRECT ENERGY	0.4%	1.028	150,000	145,872	600	583	145,288	\$1,283.10	\$1,692.00	\$423,000.00	\$2.8200
MACQUARIE	0.4%	1.028	150,000	145,872	600	583	145,288	\$1,283.10	\$1,686.00	\$421,500.00	\$2.8100
ENSTOR SW	2.0%	1.028	150,000	145,872	3,030	2,947	142,925	\$5,355.60	\$8,731.96	\$432,275.00	\$2.8818
OXY85SW	2.0%	1.028	150,000	145,872	3,030	2,947	142,925	\$5,355.60	\$8,739.53	\$432,650.00	\$2.8843
WSS INV		1.028			0	0		\$0.00			
WSS SAG1		1.028			5,736	5,578		\$10,133.97			
Totals & Averages	1.3%	1.028	1,200,000	1,166,973	15,877	15,440	1,157,111	\$28,686.27	\$29,600.36	\$3,516,325.00	\$2.9303
Grand Total	1.6%	1.028	2,617,000	2,524,644	42,034	40,502	2,489,720	\$87,874.44	\$92,788.98	\$6,976,740.00	\$2.6659

JULY 2017

TEXAS EASTERN SPOT PURCHASES

Supplier	Fuel %	BTU Factor	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
BP	2.1%	1.048	155,000	147,898	3,193	3,047	144,851	\$7,241.19	\$7,174.67	\$348,285.00	\$2.2470
EQT--Baseload	0.0%	1.048	155,000	147,898	0	0	147,898	\$0.00	\$0.00	\$277,837.50	\$1.7925
EQT--Baseload	2.1%	1.048	310,000	295,795	6,417	6,123	289,672	\$14,480.91	\$11,502.47	\$555,675.00	\$1.7925
EQT--Swing	2.1%	1.048	92,000	87,784	1,895	1,808	85,976	\$4,298.01	\$3,659.31	\$177,655.00	\$1.9310
MACQUARIE	2.1%	1.048	155,000	147,898	3,193	3,047	144,851	\$7,241.19	\$5,723.45	\$277,837.50	\$1.7925
NEXTERA	2.1%	1.048	155,000	147,898	3,193	3,047	144,851	\$7,241.19	\$5,723.45	\$277,837.50	\$1.7925
SEQUENT	2.1%	1.048	155,000	147,898	3,193	3,047	144,851	\$7,241.19	\$5,747.40	\$279,000.00	\$1.8000
SEQUENT SW	2.1%	1.048	70,000	66,792	1,445	1,379	65,414	\$3,270.07	\$2,784.41	\$134,885.00	\$1.9269
BP DAY GAS											
Totals & Averages	1.8%	1.048	1,247,000	1,189,860	22,529	21,497	1,168,363	\$51,013.75	\$42,315.17	\$2,329,012.50	\$1.8677

TRANSCONTINENTAL SPOT PURCHASES

Supplier	Fuel %	BTU Factor	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
SHELL 45	0.6%	1.029	310,000	301,391	1,736	1,688	299,703	\$2,798.99	\$5,064.78	\$904,425.00	\$2.9175
SHELL 65											
BP GAS DAY											
BP	0.4%	1.029	155,000	150,696	620	603	150,093	\$1,325.87	\$1,675.24	\$418,810.00	\$2.7020
PACIFIC SUMMIT	0.4%	1.029	155,000	150,696	620	603	150,093	\$1,325.87	\$1,488.00	\$372,000.00	\$2.4000
DIRECT ENERGY	0.4%	1.029	155,000	150,696	620	603	150,093	\$1,325.87	\$1,475.60	\$368,900.00	\$2.3800
MACQUARIE	0.4%	1.029	155,000	150,696	620	603	150,093	\$1,325.87	\$1,469.40	\$367,350.00	\$2.3700
ENSTOR SW	2.0%	1.029	155,000	150,696	3,131	3,044	147,651	\$5,534.12	\$9,149.84	\$452,962.50	\$2.9223
OXY85SW	2.0%	1.029	155,000	150,696	3,131	3,044	147,651	\$5,534.12	\$9,157.67	\$453,350.00	\$2.9248
WSS INV		1.029			0	0					
WSS SAG1		1.029			3,493	3,396		\$6,175.09			
Totals & Averages	1.1%	1.029	1,240,000	1,205,564	13,971	13,583	1,195,377	\$25,345.80	\$29,480.53	\$3,337,797.50	\$2.6918
Grand Total	1.5%	1.028	2,487,000	2,395,424	36,500	35,080	2,363,740	\$76,359.55	\$71,795.70	\$5,666,810.00	\$2.2786

**AUGUST 2017**

**TEXAS EASTERN SPOT PURCHASES**

Supplier	Fuel %	BTU Factor	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
BP	2.1%	1.050	155,000	147,677	3,193	3,042	144,635	\$7,150.11	\$6,861.76	\$333,095.00	\$2.1490
EQT--Baseload	0.0%	1.050	155,000	147,677	-	-	147,677	-	-	\$262,337.50	\$1.6925
EQT--Baseload	2.1%	1.050	310,000	295,355	6,417	6,114	289,241	\$14,298.76	\$10,860.77	\$524,675.00	\$1.6925
EQT--Swing	2.1%	1.050	62,000	59,071	1,271	1,211	57,860	\$2,860.34	\$2,049.80	\$99,990.00	\$1.6127
MACQUARIE	2.1%	1.050	155,000	147,677	3,193	3,042	144,635	\$7,150.11	\$5,404.15	\$262,337.50	\$1.6925
NEXTERA	2.1%	1.050	155,000	147,677	3,193	3,042	144,635	\$7,150.11	\$5,404.15	\$262,337.50	\$1.6925
SEQUENT	2.1%	1.050	155,000	147,677	3,193	3,042	144,635	\$7,150.11	\$5,428.10	\$263,500.00	\$1.7000
SEQUENT SW	2.1%	1.050	31,000	29,535	651	620	28,915	\$1,429.43	\$1,046.64	\$49,840.00	\$1.6077
BP DAY GAS											
Totals & Averages	1.8%	1.050	1,178,000	1,122,348	21,111	20,114	1,102,234	\$47,188.97	\$37,055.37	\$2,058,112.50	\$1.7471

**TRANSCONTINENTAL SPOT PURCHASES**

Supplier	Fuel %	BTU	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
SHELL 45	0.6%	1.029	310,000	301,336	1,736	1,687	299,649	\$2,798.99	\$5,064.78	\$904,425.00	\$2.9175
SHELL 65											
BP GAS DAY											
BP	0.4%	1.029	155,000	150,668	620	603	150,065	\$1,325.87	\$1,614.48	\$403,620.00	\$2.6040
PACIFIC SUMMIT	0.4%	1.029	155,000	150,668	620	603	150,065	\$1,325.87	\$1,413.60	\$353,400.00	\$2.2800
DIRECT ENERGY	0.4%	1.029	155,000	150,668	620	603	150,065	\$1,325.87	\$1,401.20	\$350,300.00	\$2.2600
MACQUARIE	0.4%	1.029	155,000	150,668	620	603	150,065	\$1,325.87	\$1,395.00	\$348,750.00	\$2.2500
ENSTOR SW	2.0%	1.029	155,000	150,668	3,131	3,043	147,625	\$5,534.12	\$8,981.68	\$444,637.50	\$2.8686
OXY85SW	2.0%	1.029	155,000	150,668	3,131	3,043	147,625	\$5,534.12	\$8,989.51	\$445,025.00	\$2.8711
WSS INV		1.029									
WSS SAG1		1.029			429	417		\$761.12			
Totals & Averages	0.9%	1.029	1,240,000	1,205,344	10,907	10,602	1,195,159	\$19,931.83	\$28,860.24	\$3,250,157.50	\$2.6211
Grand Total	1.3%	1.029	2,418,000	2,327,692	32,018	30,716	2,297,393	\$67,120.80	\$65,915.61	\$5,308,270.00	\$2.1953

SEPTEMBER 2017

TEXAS EASTERN SPOT PURCHASES

Supplier	Fuel %	BTU Factor	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
BP	2.1%	1.050	150,000	142,902	3,107	2,960	139,942	\$6,918.66	\$6,652.09	\$321,150.00	\$2.1410
EQT--Baseload	0.0%	1.050	150,000	142,902	-	-	142,902	-	-	\$243,375.00	\$1.6225
EQT--Baseload	2.1%	1.050	300,000	285,804	6,210	5,916	279,888	\$13,837.51	\$10,075.73	\$486,750.00	\$1.6225
EQT--Swing	2.1%	1.050	26,000	24,770	533	508	24,262	\$1,199.50	\$550.43	\$26,850.00	\$1.0327
MACQUARIE	2.1%	1.050	150,000	142,902	3,090	2,944	139,958	\$6,919.46	\$5,013.53	\$243,375.00	\$1.6225
NEXTERA	2.1%	1.050	150,000	142,902	3,090	2,944	139,958	\$6,919.45	\$5,013.53	\$243,375.00	\$1.6225
SEQUENT	2.1%	1.050	150,000	142,902	3,090	2,944	139,958	\$6,919.46	\$5,036.70	\$244,500.00	\$1.6300
SEQUENT SW	2.1%	1.050	13,000	12,385	273	260	12,125	\$599.45	\$280.56	\$13,360.00	\$1.0277
BP DAY GAS											
Totals & Averages	1.8%	1.050	1,089,000	1,037,468	19,393	18,475	1,018,993	\$43,313.49	\$32,622.55	\$1,822,735.00	\$1.6738

TRANSCONTINENTAL SPOT PURCHASES

Supplier	Fuel %	BTU	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
SHELL 45	0.6%	1.029	300,000	291,645	1,680	1,633	290,012	\$2,708.70	\$4,918.20	\$878,250.00	\$2.9275
SHELL 65											
BP GAS DAY											
BP	0.4%	1.029	150,000	145,822	600	583	145,239	\$1,283.10	\$1,557.60	\$389,400.00	\$2.5960
PACIFIC SUMMIT	0.4%	1.029	150,000	145,822	600	583	145,239	\$1,283.10	\$1,488.00	\$372,000.00	\$2.4800
DIRECT ENERGY	0.4%	1.029	150,000	145,822	600	583	145,239	\$1,283.10	\$1,476.00	\$369,000.00	\$2.4600
MACQUARIE	0.4%	1.029	150,000	145,822	600	583	145,239	\$1,283.10	\$1,470.00	\$367,500.00	\$2.4500
ENSTOR SW	2.0%	1.029	80,000	77,772	1,612	1,567	76,205	\$2,856.44	\$4,649.51	\$230,745.00	\$2.8843
OXY85SW	2.0%	1.029	80,000	77,772	1,612	1,567	76,205	\$2,856.44	\$4,653.54	\$230,945.00	\$2.8868
WSS INV		1.029									
WSS SAG1		1.029			1,822	1,771		\$3,223.14			
Totals & Averages	0.9%	1.029	1,060,000	1,030,478	9,126	8,872	1,023,378	\$16,777.12	\$20,212.85	\$2,837,840.00	\$2.6772
Grand Total	1.3%	1.029	2,149,000	2,067,946	28,519	27,347	2,042,371	\$60,090.61	\$52,835.40	\$4,660,575.00	\$2.1687

OCTOBER 2017

TEXAS EASTERN SPOT PURCHASES

Supplier	Fuel %	BTU Factor	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
BP	2.1%	1.051	155,000	147,493	3,209	3,054	144,440	\$7,149.35	\$6,912.19	\$333,870.00	\$2.1540
EQT--Baseload	0.0%	1.051	155,000	147,493	-	-	147,493	-	-	\$163,137.50	\$1.0525
EQT--Baseload	2.1%	1.051	310,000	294,987	6,417	6,106	288,881	\$14,298.75	\$6,753.89	\$326,275.00	\$1.0525
EQT--Swing	1.051		-	-	-	-	-	-	-	-	-
MACQUARIE	2.1%	1.051	155,000	147,493	3,193	3,038	144,455	\$7,150.11	\$3,360.63	\$163,137.50	\$1.0525
NEXTERA	2.1%	1.051	155,000	147,493	3,193	3,038	144,455	\$7,150.11	\$3,360.63	\$163,137.50	\$1.0525
SEQUENT	2.1%	1.051	155,000	147,493	3,193	3,038	144,455	\$7,150.11	\$3,384.58	\$164,300.00	\$1.0600
SEQUENT SW	2.1%	1.051	76,583	72,874	1,583	1,506	71,368	\$3,532.50	\$1,696.78	\$82,087.61	\$1.0719
BP DAY GAS	1.051		-	-	-	-	-	-	-	-	-
Totals & Averages	1.8%	1.051	1,161,583	1,105,328	20,788	19,781	1,085,547	\$46,430.93	\$25,468.71	\$1,395,945.11	\$1.2018

TRANSCONTINENTAL SPOT PURCHASES

Supplier	Fuel %	BTU	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
SHELL 45	0.6%	1.029	310,000	301,365	1,736	1,688	299,677	\$2,798.99	\$5,082.14	\$907,525.00	\$2.9275
SHELL 65	1.029		-	-	-	-	-	-	-	-	-
BP GAS DAY	1.029		-	-	-	-	-	-	-	-	-
BP	0.4%	1.029	155,000	150,682	620	603	150,080	\$1,325.87	\$1,617.58	\$404,395.00	\$2.6090
PACIFIC SUMMIT	0.4%	1.029	155,000	150,682	620	603	150,080	\$1,325.87	\$1,488.00	\$372,000.00	\$2.4000
DIRECT ENERGY	0.4%	1.029	155,000	150,682	620	603	150,080	\$1,325.87	\$1,475.60	\$368,900.00	\$2.3800
MACQUARIE	0.4%	1.029	155,000	150,682	620	603	150,080	\$1,325.87	\$1,469.40	\$367,350.00	\$2.3700
ENSTOR SW	2.0%	1.029	111,244	108,145	2,244	2,181	105,964	\$3,971.96	\$6,277.59	\$311,205.14	\$2.7975
OXY85SW	#DIV/0!	1.029	-	-	-	-	-	-	-	-	-
WSS INV	1.029		-	-	-	-	-	-	-	-	-
WSS SAG1	1.029		-	-	1,666	1,620	-	\$2,944.00	-	-	-
Totals & Averages	0.8%	1.029	1,041,244	1,012,240	8,126	7,900	1,005,960	\$15,018.43	\$17,410.31	\$2,731,375.14	\$2.6232
Grand Total	1.3%	1.029	2,202,827	2,117,568	28,914	27,681	2,091,507	\$61,449.36	\$42,879.02	\$4,127,320.25	\$1.8736

NOVEMBER 2017

TEXAS EASTERN SPOT PURCHASES

Supplier	Fuel %	BTU Factor	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
BP	2.1%	1.054	450,000	426,965	9,300	8,824	418,141	\$20,756.97	\$14,043.00	\$679,500.00	\$1.5100
EQT--Baseload	0.0%	1.054	150,000	142,322	-	-	142,322	-	-	\$226,500.00	\$1.5100
EQT--Baseload	2.1%	1.054	150,000	142,322	3,090	2,932	139,390	\$6,919.46	\$4,665.90	\$226,500.00	\$1.5100
EQT--Swing	2.1%	1.054	300,000	284,643	6,201	5,884	278,760	13,837.93	\$15,298.90	\$740,150.00	\$2.4672
COYANOSA	2.1%	1.054	450,000	426,965	9,300	8,824	418,141	\$20,756.97	\$14,136.00	\$684,000.00	\$1.5200
NEXTERA	2.1%	1.054	450,000	426,965	9,330	8,852	418,113	\$20,755.56	\$14,041.65	\$677,250.00	\$1.5050
SEQUENT SW	2.1%	1.054	433,275	411,096	8,969	8,510	402,586	\$19,984.81	\$21,741.01	\$1,050,266.25	\$2.4240
DAY GAS		1.054									
BP DAY GAS		1.054									
Totals & Averages	1.9%	1.054	2,383,275	2,261,277	46,190	43,826	2,217,452	\$103,011.70	\$83,926.46	\$4,284,166.25	\$1.7976

TRANSCONTINENTAL SPOT PURCHASES

Supplier	Fuel %	BTU	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
COYANOSA 30	0.7%	1.030	150,000	145,665	1,080	1,049	144,616	\$1,711.20	\$2,891.16	\$401,550.00	\$2.6770
UNITED ENERGY 45	0.6%	1.030	150,000	145,665	840	816	144,849	\$1,354.20	\$2,385.60	\$426,000.00	\$2.8400
UNITED ENERGY 65	2.3%	1.030	300,000	291,330	6,900	6,701	284,629	\$11,929.20	\$19,000.88	\$826,125.00	\$2.7538
COYANOSA 85	2.0%	1.030	150,000	145,665	3,030	2,942	142,722	\$5,355.60	\$8,635.50	\$427,500.00	\$2.8500
BP	2.0%	1.030	150,000	145,665	3,030	2,942	142,722	\$5,355.60	\$8,620.35	\$426,750.00	\$2.8450
OXY	2.0%	1.030	450,000	436,995	9,090	8,827	428,167	\$16,066.80	\$24,543.00	\$1,215,000.00	\$2.7000
DTE ENERGY	2.0%	1.030	300,000	291,330	6,060	5,885	285,445	\$10,711.50	\$16,346.85	\$809,250.00	\$2.6975
ENSTOR SW	2.0%	1.030	555,618	539,560	11,223	10,899	528,661	\$19,837.59	\$33,583.16	\$1,662,604.47	\$2.9924
OXY85SW	2.0%	1.030	425,412	413,117	8,593	8,345	404,772	\$15,188.74	\$25,864.61	\$1,280,474.11	\$3.0100
BP	2.0%	1.030	150,000	145,665	3,030	2,942	142,722	\$5,355.61	\$8,196.15	\$405,750.00	\$2.7050
WSS INV		1.030			131	127		\$231.30			
WSS SAG1		1.030			3,509	3,408		\$6,197.37			
Totals & Averages	2.0%	1.030	2,781,030	2,700,655	56,516	54,883	2,649,307	\$99,294.71	\$150,067.25	\$7,881,003.58	\$2.8338
Grand Total	2.0%	1.030	5,164,305	4,961,933	102,706	98,708	4,866,759	\$202,306.41	\$233,993.72	\$12,165,169.83	\$2.3556

DECEMBER 2017

TEXAS EASTERN SPOT PURCHASES

Supplier	Fuel %	BTU Factor	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
BP	2.4%	1.053	465,000	441,689	11,160	10,601	431,089	\$20,513.57	\$28,011.60	\$1,167,150.00	\$2.5100
EQT--Baseload	0.0%	1.053	155,000	147,230	-	-	147,230	-	-	\$389,050.00	\$2.5100
EQT--Baseload	2.4%	1.053	155,000	147,230	3,720	3,534	143,696	\$6,837.85	\$9,337.20	\$389,050.00	\$2.5100
EQT--Swing	2.4%	1.053	425,000	403,694	10,200	9,689	394,006	\$18,748.96	\$22,410.00	\$933,750.00	\$2.1971
COYANOSA	2.4%	1.053	465,000	441,689	11,160	10,601	431,089	\$20,513.57	\$28,123.20	\$1,171,800.00	\$2.5200
NEXTERA	2.4%	1.053	465,031	441,719	11,191	10,630	431,089	\$20,513.57	\$28,033.46	\$1,164,902.66	\$2.5050
SEQUENT SW	2.4%	1.053	529,262	502,730	12,702	12,065	490,665	\$23,348.51	\$27,811.82	\$1,158,852.23	\$2.1896
DAY GAS		1.053									
BP DAY GAS		1.053									
Totals & Averages	2.3%	1.053	2,659,293	2,525,981	60,133	57,118	2,468,862	\$110,476.03	\$143,727.28	\$6,374,554.89	\$2.3971

TRANSCONTINENTAL SPOT PURCHASES

Supplier	Fuel %	BTU	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
COYANOSA 30	0.7%	1.037	155,000	149,490	1,116	1,076	148,414	\$1,768.24	\$3,346.88	\$464,845.00	\$2.9990
UNITED ENERGY 45	0.6%	1.037	155,000	149,490	868	837	148,653	\$1,399.34	\$2,478.14	\$442,525.00	\$2.8550
UNITED ENERGY 65	2.3%	1.037	310,000	298,981	7,130	6,877	292,104	\$12,326.84	\$21,439.91	\$932,170.00	\$3.0070
COYANOSA 85	2.0%	1.037	155,000	149,490	3,131	3,020	146,471	\$5,534.12	\$8,970.32	\$444,075.00	\$2.8650
BP 85	2.0%	1.037	155,000	149,490	3,131	3,020	146,471	\$5,534.12	\$9,596.52	\$475,075.00	\$3.0650
OXY	2.0%	1.037	465,000	448,471	9,393	9,059	439,412	\$16,602.36	\$28,742.58	\$1,422,900.00	\$3.0600
DTE ENERGY	2.0%	1.037	310,000	298,981	6,262	6,039	292,942	\$11,068.55	\$19,146.07	\$947,825.00	\$3.0575
ENSTOR SW	2.0%	1.037	744,382	717,923	15,037	14,503	703,420	\$26,577.09	\$41,378.15	\$2,048,357.16	\$2.7518
OXY85SW	2.0%	1.037	493,558	476,014	9,971	9,617	466,398	\$17,621.76	\$27,315.36	\$1,352,092.36	\$2.7395
FREEDOM ENERGY DAY GAS	2.3%	1.037	70,000	67,512	1,610	1,553	65,959	\$2,783.48	\$4,299.85	\$186,950.00	\$2.6707
UNITED ENERGY DAY GAS	2.3%	1.037	61,412	59,229	1,412	1,362	57,867	\$2,442.00	\$4,105.39	\$178,555.39	\$2.9075
UNITED ENERGY 85	2.0%	1.037	155,000	149,490	3,131	3,020	146,471	\$5,534.12	\$9,557.38	\$473,137.50	\$3.0525
WSS INV		1.037			5,355	5,165		\$9,464.11			
WSS SAGI		1.037			5,895	5,685		\$10,404.75			
Totals & Averages	2.3%	1.037	3,229,352	3,114,563	73,442	70,831	3,054,582	\$129,060.88	\$180,376.53	\$9,368,507.41	\$2.9010
Grand Total	2.3%	1.037	5,888,645	5,640,544	133,575	127,950	5,523,444	\$239,536.91	\$324,103.81	\$15,743,062.30	\$2.6735

JANUARY 2018

TEXAS EASTERN SPOT PURCHASES

Supplier	Fuel %	BTU Factor	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
BP	2.4%	1.052	465,000	442,171	11,160	10,612	431,559	\$20,513.57	\$25,333.20	\$1,055,550.00	\$2.2700
EQT--BaseLoad	0.0%	1.052	155,000	147,390	-	-	147,390	-	-	\$351,850.00	\$2.2700
EQT--BaseLoad	2.4%	1.052	155,000	147,390	3,720	3,537	143,853	\$6,837.85	\$8,444.40	\$351,850.00	\$2.2700
EQT--Swing	2.4%	1.052	465,000	442,171	11,160	10,612	431,559	\$20,513.57	\$36,199.80	\$1,508,325.00	\$3.2437
COYANOSA	2.4%	1.052	465,000	442,171	11,160	10,612	431,559	\$20,513.57	\$25,444.80	\$1,060,200.00	\$2.2800
NEXTERA	2.4%	1.052	465,031	442,201	11,191	10,642	431,559	\$20,513.57	\$25,347.62	\$1,053,295.22	\$2.2650
SEQUENT SW	2.4%	1.052	539,530	513,043	12,950	12,314	500,728	\$23,801.41	\$42,395.64	\$1,766,310.26	\$3.2738
NEXTERA DAY GAS	2.4%	1.052	80,470	76,519	1,930	1,835	74,684	\$3,550.01	\$6,353.56	\$264,907.24	\$3.2920
DTE DAY GAS	2.4%	1.052	56,353	53,586	1,353	1,287	52,300	\$2,486.00	\$4,312.07	\$179,599.57	\$3.1870
SEQUENT DAY GAS	2.4%	1.052	16,094	15,304	386	367	14,937	\$710.00	\$2,514.79	\$104,852.41	\$6.5150
Totals & Averages	2.3%	1.052	2,862,478	2,721,949	65,010	61,818	2,660,130	\$119,439.55	\$176,345.87	\$7,696,739.70	\$2.6888

TRANSCONTINENTAL SPOT PURCHASES

Supplier	Fuel %	BTU Factor	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
COYANOSA 30	0.7%	1.035	155,000	149,687	1,116	1,078	148,610	\$1,768.24	\$2,971.91	\$412,765.00	\$2.6630
UNITED ENERGY 45	0.6%	1.035	154,684	149,382	866	836	148,546	\$1,396.49	\$2,498.41	\$446,263.34	\$2.8850
UNITED ENERGY 65	2.3%	1.035	310,000	299,375	7,130	6,886	292,489	\$12,326.84	\$20,641.35	\$897,450.00	\$2.8950
COYANOSA 85	2.0%	1.035	155,000	149,687	3,131	3,024	146,664	\$5,534.12	\$9,048.59	\$447,950.00	\$2.8900
BP 85	2.0%	1.035	155,000	149,687	3,131	3,024	146,664	\$5,534.12	\$8,672.87	\$429,350.00	\$2.7700
OXY	2.0%	1.035	465,000	449,062	9,393	9,071	439,991	\$16,602.36	\$25,548.96	\$1,264,800.00	\$2.7200
DTE ENERGY	2.0%	1.035	310,000	299,375	6,262	6,047	293,327	\$11,068.55	\$17,016.99	\$842,425.00	\$2.7175
ENSTOR SW	2.0%	1.035	775,000	748,437	15,655	15,118	733,319	\$27,670.29	\$59,119.09	\$2,926,687.50	\$3.7764
OXY85SW	2.0%	1.035	620,000	598,750	12,524	12,095	586,655	\$22,136.17	\$47,326.58	\$2,342,900.00	\$3.7789
FREEDOM ENERGY DAY GAS	2.3%	1.035	107,471	103,787	2,471	2,386	101,401	\$4,273.50	\$9,209.77	\$400,559.77	\$3.7271
UNITED ENERGY DAY GAS	2.3%	1.035	138,177	133,441	3,177	3,068	130,373	\$5,494.50	\$12,953.34	\$563,378.34	\$4.0772
NEXTERA DAY GAS	2.0%	1.035	107,471	103,787	2,170	2,096	101,692	\$3,837.19	\$7,825.95	\$387,586.49	\$3.6064
UNITED ENERGY 85	2.0%	1.035	155,000	149,687	3,131	3,024	146,664	\$5,534.12	\$8,829.42	\$437,100.00	\$2.8200
WSS INV	1.035				7,605	7,344		\$13,447.10			
WSS SAGI	1.035				5,511	5,322		\$9,726.14			
Totals & Averages	2.3%	1.035	3,607,803	3,484,146	83,273	80,419	3,416,394	\$146,349.73	\$231,663.22	\$11,799,215.44	\$3.2705
Grand Total	2.3%	1.043	6,470,281	6,206,095	148,283	142,237	6,076,524	\$265,789.28	\$408,009.09	\$19,495,955.14	\$3.0132

missing



FEBRUARY 2018

TEXAS EASTERN SPOT PURCHASES

Supplier	Fuel %	BTU Factor	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
BP	2.4%	1.049	420,000	400,507	10,080	9,612	390,895	\$18,856.32	\$30,441.60	\$1,268,400.00	\$3.0200
EQT--Baseload	0.0%	1.049	140,000	133,502	-	-	133,502	-	-	\$422,800.00	\$3.0200
EQT--Baseload	2.4%	1.049	140,000	133,502	3,360	3,204	130,298	\$6,285.44	\$10,147.20	\$422,800.00	\$3.0200
EQT--Swing	2.4%	1.049	300,000	286,076	7,200	6,866	279,210	\$13,468.80	\$16,977.60	\$707,400.00	\$2.3580
COYANOSA	2.4%	1.049	420,000	400,507	10,080	9,612	390,895	\$18,856.32	\$30,542.40	\$1,272,600.00	\$3.0300
NEXTERA	2.4%	1.049	420,028	400,534	10,108	9,639	390,895	\$18,856.32	\$30,475.62	\$1,266,384.42	\$3.0150
SEQUENT SW	2.4%	1.049	385,123	367,249	9,243	8,814	358,435	\$17,290.48	\$21,931.74	\$913,817.93	\$2.3728
NEXTERA DAY GAS	2.4%	1.049	24,588	23,447	588	561	22,886	\$1,104.00	\$1,528.31	\$63,908.31	\$2.5992
DTE DAY GAS	2.4%	1.049	28,686	27,355	686	654	26,700	\$1,288.00	\$1,534.93	\$64,184.93	\$2.2375
Totals & Averages	2.3%	1.049	2,278,425	2,172,678	51,345	48,962	2,123,716	\$96,005.68	\$143,579.40	\$6,402,295.59	\$2.8100

TRANSCONTINENTAL SPOT PURCHASES

Supplier	Fuel %	BTU	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
COYANOSA 30	0.7%	1.035	140,000	135,325	1,008	974	134,350	\$1,597.12	\$3,584.45	\$497,840.00	\$3.5560
UNITED ENERGY 45	0.6%	1.035	140,000	135,325	784	758	134,567	\$1,263.92	\$2,183.44	\$389,900.00	\$2.7850
UNITED ENERGY 65	2.3%	1.035	280,000	270,649	6,440	6,225	264,424	\$11,133.92	\$18,611.60	\$809,200.00	\$2.8900
COYANOSA 85	2.0%	1.035	140,000	135,325	2,828	2,734	132,591	\$4,998.56	\$7,918.40	\$392,000.00	\$2.8000
BP 85	2.0%	1.035	140,000	135,325	2,828	2,734	132,591	\$4,998.56	\$7,720.44	\$382,200.00	\$2.7300
OXY	2.0%	1.035	420,000	405,974	8,484	8,201	397,773	\$14,995.68	\$31,560.48	\$1,562,400.00	\$3.7200
DTE ENERGY	2.0%	1.035	280,000	270,649	5,656	5,467	265,182	\$9,997.40	\$21,026.18	\$1,040,900.00	\$3.7175
ENSTOR SW	2.0%	1.035	500,000	483,302	10,100	9,763	473,539	\$17,851.80	\$27,050.33	\$1,339,125.00	\$2.6783
OXY85SW	2.0%	1.035	400,000	386,642	8,080	7,810	378,832	\$14,281.40	\$21,660.46	\$1,072,300.00	\$2.6808
BP 85 DAY GAS	2.0%	1.035	214,326	207,168	4,326	4,182	202,987	\$7,652.40	\$11,766.72	\$582,966.75	\$2.7200
WSS INV		1.035			2,207	2,133		\$3,901.77			
WSS SAG1		1.035			5,207	5,033		\$9,189.98			
Totals & Averages	2.2%	1.035	2,654,326	2,565,683	57,948	56,013	2,516,836	\$101,862.51	\$153,082.49	\$8,068,831.75	\$3.0399
Grand Total	2.2%	1.041	4,932,751	4,738,361	109,293	104,975	4,640,553	\$197,868.19	\$296,661.89	\$14,471,127.34	\$2.9337

MARCH 2018

TEXAS EASTERN SPOT PURCHASES

Supplier	Fuel %	BTU Factor	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
BP	2.0%	1.048	465,000	443,893	9,528	9,096	434,798	\$21,029.11	\$20,104.08	\$981,150.00	\$2.1100
EQT--Baseload	0.0%	1.048	155,000	147,964	-	-	147,964	-	-	\$327,050.00	\$2.1100
EQT--Baseload	2.4%	1.048	155,000	147,964	3,720	3,551	144,413	\$6,958.88	\$7,849.20	\$327,050.00	\$2.1100
EQT--Swing	2.4%	1.048	364,754	348,197	8,754	8,357	339,841	\$16,376.00	\$21,122.80	\$880,126.45	\$2.4129
COYANOSA	2.4%	1.048	465,000	443,893	11,160	10,653	433,240	\$20,876.64	\$23,659.20	\$985,800.00	\$2.1200
NEXTERA	2.3%	1.048	465,031	443,923	10,481	10,005	433,918	\$20,943.40	\$22,062.51	\$978,890.26	\$2.1050
SEQUENT SW	2.4%	1.048	530,738	506,647	12,738	12,160	494,487	\$23,828.00	\$30,444.06	\$1,268,473.82	\$2.3900
Totals & Averages	2.2%	1.048	2,600,523	2,482,483	56,381	53,822	2,428,661	\$110,012.03	\$125,241.85	\$5,748,540.53	\$2.2105

TRANSCONTINENTAL SPOT PURCHASES

Supplier	Fuel %	BTU	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
COYANOSA 30	0.7%	1.033	155,000	149,997	1,116	1,080	148,917	\$1,768.24	\$3,147.12	\$437,100.00	\$2.8200
UNITED ENERGY 45	0.6%	1.033	155,000	149,997	868	840	149,157	\$1,399.34	\$2,400.02	\$428,575.00	\$2.7650
UNITED ENERGY 65	2.3%	1.033	310,000	299,993	7,130	6,900	293,093	\$12,326.84	\$20,427.45	\$888,150.00	\$2.8650
COYANOSA 85	2.0%	1.033	155,000	149,997	3,131	3,030	146,967	\$5,534.12	\$8,766.80	\$434,000.00	\$2.8000
BP 85	2.0%	1.033	155,000	149,997	3,131	3,030	146,967	\$5,534.12	\$8,547.63	\$423,150.00	\$2.7300
OXY	2.0%	1.033	465,000	449,990	9,393	9,090	440,900	\$16,602.36	\$24,609.66	\$1,218,300.00	\$2.6200
DTE ENERGY	2.0%	1.033	310,000	299,993	6,262	6,060	293,933	\$11,068.55	\$17,063.95	\$844,750.00	\$2.7250
ENSTOR SW	2.0%	1.033	655,618	634,455	13,243	12,816	621,639	\$23,407.95	\$35,063.11	\$1,735,860.78	\$2.6477
OXY85SW	2.0%	1.033	469,382	454,230	9,482	9,176	445,054	\$16,758.55	\$25,178.08	\$1,246,375.94	\$2.6554
UET 65 DAY GAS	2.3%	1.033	102,350	99,046	2,350	2,274	96,772	\$4,070.00	\$6,256.88	\$272,506.88	\$2.6625
BP 85 DAY GAS	2.0%	1.033	71,442	69,136	1,442	1,395	67,740	\$2,550.80	\$3,803.79	\$188,453.79	\$2.6379
WSS INV		1.033			3,870	3,745		\$6,839.97			
WSS SAGI		1.033			6,117	5,920		\$10,796.49			
Totals & Averages	2.2%	1.033	3,003,792	2,906,829	67,535	65,355	2,851,139	\$118,657.33	\$155,264.48	\$8,117,222.39	\$2.7023
Grand Total	2.2%	1.040	5,604,315	5,389,312	123,916	119,177	5,279,800	\$228,669.36	\$280,506.33	\$13,865,762.92	\$2.4741

APRIL 2018

TEXAS EASTERN SPOT PURCHASES

Supplier	Fuel %	BTU Factor	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
MACQUARIE	1.8%	1.043	300,000	287,599	5,460	5,234	282,365	\$13,548.84	\$12,052.95	\$662,250.00	\$2.2075
SEQUENT	1.8%	1.043	150,000	143,800	2,730	2,617	141,182	\$6,774.42	\$6,033.30	\$331,500.00	\$2.2100
EQT--Baseload	0.0%	1.043	150,000	143,800	-	-	143,800	-	-	\$334,500.00	\$2.2300
EQT--SW	1.8%	1.043	188,562	180,768	3,440	3,298	177,470	\$8,515.61	\$8,397.76	\$460,319.22	\$2.4412
DIRECT ENERGY	1.8%	1.043	300,000	287,599	5,460	5,234	282,365	\$13,548.84	\$12,052.95	\$662,250.00	\$2.2075
NEXTERA	1.8%	1.043	150,000	143,800	2,730	2,617	141,182	\$6,774.42	\$6,030.57	\$331,350.00	\$2.2090
SEQUENT SW	1.8%	1.043	342,222	328,076	6,226	5,969	322,107	\$15,455.81	\$15,305.43	\$841,287.12	\$2.4583
Totals & Averages	1.6%	1.043	1,580,784	1,515,441	26,046	24,969	1,490,472	\$64,617.94	\$59,872.95	\$3,623,456.34	\$2.2922

TRANSCONTINENTAL SPOT PURCHASES

Supplier	Fuel %	BTU Factor	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
SHELL 45	0.7%	1.030	300,000	291,148	2,160	2,096	289,052	\$2,052.00	\$5,572.80	\$774,000.00	\$2.5800
MACQUARIE	0.5%	1.030	150,000	145,574	810	786	144,788	\$1,081.50	\$2,089.80	\$387,000.00	\$2.5800
DIRECT ENERGY	0.5%	1.030	150,000	145,574	810	786	144,788	\$1,081.50	\$2,081.70	\$385,500.00	\$2.5700
COYANOSA	0.5%	1.030	150,000	145,574	810	786	144,788	\$1,081.50	\$2,079.68	\$385,125.00	\$2.5675
BP	0.5%	1.030	150,000	145,574	810	786	144,788	\$1,081.50	\$2,075.63	\$384,375.00	\$2.5625
CCI SW	2.8%	1.030	532,056	516,358	14,896	14,456	501,901	\$15,271.75	\$40,243.40	\$1,437,415.50	\$2.7016
OXY85SW	2.8%	1.030	251,008	243,602	7,028	6,821	236,781	\$7,204.73	\$19,037.01	\$679,914.79	\$2.7087
UET 65 DAY GAS	3.2%	1.030	30,978	30,064	978	949	29,115	\$975.00	\$2,684.61	\$85,034.61	\$2.7450
WSS INV	1.030				4,088	3,967		\$4,190.44			
WSS SAG1	1.030				7,937	7,703		\$8,137.04			
Totals & Averages	2.4%	1.030	1,714,042	1,663,469	40,327	39,137	1,636,002	\$42,156.96	\$75,864.62	\$4,518,364.90	\$2.6361

Grand Total	2.0%	1.036	3,294,826	3,178,910	66,373	64,107	3,126,474	\$106,774.90	\$135,737.57	\$8,141,821.24	\$2.4711
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MAY 2018

TEXAS EASTERN SPOT PURCHASES

Supplier	Fuel %	BTU Factor	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
MACQUARIE	1.8%	1.043	310,000	297,177	5,642	5,409	291,769	\$14,000.47	\$12,736.82	\$699,825.00	\$2.2575
SEQUENT	1.8%	1.043	155,000	148,589	2,821	2,704	145,884	\$7,000.23	\$6,375.46	\$350,300.00	\$2.2600
EQT--Baseload	0.0%	1.043	150,000	143,795	-	-	143,795	-	-	\$342,000.00	\$2.2800
EQT--SW	1.8%	1.043	256,023	245,433	4,663	4,470	240,963	\$11,562.56	\$10,054.29	\$552,032.85	\$2.1562
DIRECT ENERGY	1.8%	1.043	310,000	297,177	5,642	5,409	291,769	\$14,000.47	\$12,736.82	\$699,825.00	\$2.2575
NEXTERA	1.8%	1.043	155,000	148,589	2,821	2,704	145,884	\$7,000.24	\$6,372.64	\$350,145.00	\$2.2590
SEQUENT SW	1.8%	1.043	157,877	151,347	2,877	2,758	148,589	\$7,130.00	\$6,231.02	\$341,930.92	\$2.1658
Totals & Averages	1.6%	1.043	1,493,900	1,432,107	24,466	23,454	1,408,653	\$60,693.97	\$54,507.04	\$3,336,058.77	\$2.2331

TRANSCONTINENTAL SPOT PURCHASES

Supplier	Fuel %	BTU	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
SHELL 45	0.7%	1.029	310,000	301,376	2,232	2,170	299,206	\$2,120.40	\$5,758.56	\$799,800.00	\$2.5800
MACQUARIE	0.5%	1.029	155,000	150,688	837	814	149,874	\$1,117.55	\$2,134.35	\$395,250.00	\$2.5500
DIRECT ENERGY	0.5%	1.029	155,000	150,688	837	814	149,874	\$1,117.55	\$2,142.72	\$396,800.00	\$2.5600
COYANOSA	0.5%	1.029	155,000	150,688	837	814	149,874	\$1,117.55	\$2,140.63	\$396,412.50	\$2.5575
BP	0.5%	1.029	155,000	150,688	837	814	149,874	\$1,117.55	\$2,136.44	\$395,637.50	\$2.5525
CCI SW	2.8%	1.029	339,504	330,059	9,504	9,240	320,819	\$9,744.90	\$26,215.20	\$936,465.20	\$2.7583
OXY85SW	2.8%	1.029	231,480	225,040	6,480	6,300	218,740	\$6,644.25	\$17,879.04	\$638,679.04	\$2.7591
WSS INV		1.029	-	-	-	-	-	-	-	-	#DIV/0!
WSS SAG1		1.029	-	-	7,727	7,512	(7,512)	\$7,922.13	-	-	#DIV/0!
Totals & Averages	2.0%	1.029	1,500,984	1,459,227	29,291	28,476	1,430,750	\$30,901.88	\$58,406.94	\$3,959,044.24	\$2.6376

Grand Total 1.8% 1.036 2,994,884 2,891,334 53,757 51,930 2,839,404 \$91,595.85 \$112,913.98 \$7,295,103.01 \$2.4359

JUNE 2018

TEXAS EASTERN SPOT PURCHASES

Supplier	Fuel %	BTU Factor	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
MACQUARIE	1.8%	1.047	300,000	286,598	5,460	5,216	281,382	\$13,548.84	\$11,889.15	\$653,250.00	\$2.1775
SEQUENT	1.8%	1.047	150,000	143,299	2,730	2,608	140,691	\$6,774.42	\$5,951.40	\$327,000.00	\$2.1800
EQT--Baseload	1.8%	1.047	150,000	143,299	-	-	143,299	-	-	\$330,000.00	\$2.2000
EQT--SW	1.8%	1.047	275,000	262,715	5,005	4,781	257,933	\$12,419.77	\$11,551.54	\$634,700.00	\$2.3080
DIRECT ENERGY	1.8%	1.047	300,000	286,598	5,460	5,216	281,382	\$13,548.84	\$11,889.15	\$653,250.00	\$2.1775
NEXTERA	1.8%	1.047	150,000	143,299	2,730	2,608	140,691	\$6,774.42	\$5,948.67	\$326,850.00	\$2.1790
SEQUENT SW	1.8%	1.047	152,790	145,964	2,790	2,665	143,299	\$6,900.00	\$6,467.22	\$354,167.22	\$2.3180
Totals & Averages	1.6%	1.047	1,477,790	1,411,770	24,175	23,095	1,388,675	\$59,966.29	\$53,697.13	\$3,279,217.22	\$2.2190

TRANSCONTINENTAL SPOT PURCHASES

Supplier	Fuel %	BTU	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
SHELL 45	0.7%	1.028	300,000	291,754	2,160	2,101	289,653	\$2,052.00	\$6,134.40	\$852,000.00	\$2.8400
MACQUARIE	0.5%	1.028	150,000	145,877	810	788	145,089	\$1,081.50	\$2,146.50	\$397,500.00	\$2.6500
DIRECT ENERGY	0.5%	1.028	150,000	145,877	810	788	145,089	\$1,081.50	\$2,138.40	\$396,000.00	\$2.6400
COYANOSA	0.5%	1.028	150,000	145,877	810	788	145,089	\$1,081.50	\$2,136.38	\$395,625.00	\$2.6375
BP	0.5%	1.028	150,000	145,877	810	788	145,089	\$1,081.50	\$2,132.33	\$394,875.00	\$2.6325
CCI SW	2.8%	1.028	308,640	300,156	8,640	8,403	291,754	\$8,859.00	\$25,087.68	\$896,187.68	\$2.9037
OXY85SW	2.8%	1.028	154,320	150,078	4,320	4,201	145,877	\$4,429.50	\$12,554.64	\$448,479.64	\$2.9062
WSS INV	1.028		-	-	-	-	-	-	-	-	-
WSS SAGI	1.028		-	-	7,767	7,554	(7,554)	\$7,961.41	-	-	-
Totals & Averages	1.9%	1.028	1,362,960	1,325,497	26,127	25,409	1,300,088	\$27,627.91	\$52,330.32	\$3,780,667.32	\$2.7739

Grand Total 1.8% 1.038 2,840,750 2,737,267 50,302 48,504 2,688,763 \$87,594.20 \$106,027.45 \$7,059,884.54 \$2.4852

JULY 2018

TEXAS EASTERN SPOT PURCHASES

Supplier	Fuel %	BTU Factor	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
MACQUARIE	1.8%	1.046	310,000	296,278	5,642	5,392	290,886	\$14,000.47	\$13,018.92	\$715,325.00	\$2.3075
SEQUENT	1.8%	1.046	155,000	148,139	2,821	2,696	145,443	\$7,000.23	\$6,516.51	\$358,050.00	\$2.3100
EQT--Baseload	1.8%	1.046	155,000	148,139	-	-	148,139	-	-	\$361,150.00	\$2.3300
EQT-SW	1.8%	1.046	155,000	148,139	2,821	2,696	145,443	\$7,000.23	\$6,615.70	\$363,500.00	\$2.3452
DIRECT ENERGY	1.8%	1.046	310,000	296,278	5,642	5,392	290,886	\$14,000.47	\$13,018.92	\$715,325.00	\$2.3075
NEXTERA	1.8%	1.046	155,000	148,139	2,821	2,696	145,443	\$7,000.23	\$6,513.69	\$357,895.00	\$2.3090
SEQUENT SW	1.8%	1.046	98,810	94,436	1,810	1,730	92,706	\$4,462.00	\$4,256.67	\$232,376.57	\$2.3518
Totals & Averages	1.6%	1.046	1,338,810	1,279,549	21,557	20,603	1,258,946	\$53,463.63	\$49,940.40	\$3,103,621.57	\$2.3182

TRANSCONTINENTAL SPOT PURCHASES

Supplier	Fuel %	BTU	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
SHELL 45	0.7%	1.028	310,000	301,482	2,232	2,171	299,311	\$2,120.40	\$6,606.72	\$917,600.00	\$2.9600
MACQUARIE	0.5%	1.028	155,000	150,741	837	814	149,927	\$1,117.55	\$2,377.08	\$440,200.00	\$2.8400
DIRECT ENERGY	0.5%	1.028	155,000	150,741	837	814	149,927	\$1,117.55	\$2,368.71	\$438,650.00	\$2.8300
COYANOSA	0.5%	1.028	150,000	145,878	810	788	145,090	\$1,081.50	\$2,290.28	\$424,125.00	\$2.8275
BP	0.5%	1.028	150,000	145,878	810	788	145,090	\$1,081.50	\$2,286.23	\$423,375.00	\$2.8225
CCI SW	2.8%	1.028	259,246	252,122	7,246	7,047	245,075	\$7,441.56	\$20,190.76	\$722,381.13	\$2.7865
OXY85SW	2.8%	1.028	159,464	155,082	4,464	4,341	150,741	\$4,577.15	\$12,441.60	\$444,441.60	\$2.7871
WSS INV	1.028		-	-	-	-	-	-	-	-	-
WSS SAG1	1.028		-	-	6,779	6,593	-	\$6,945.49	-	-	-
Totals & Averages	1.8%	1.028	1,338,710	1,301,924	24,015	23,355	1,285,161	\$25,482.70	\$48,561.37	\$3,810,772.73	\$2.8466

Grand Total 1.7% 1.037 2,677,520 2,581,472 45,572 43,958 2,544,107 \$78,946.33 \$98,501.77 \$6,914,394.30 \$2.5824

AUGUST 2018

TEXAS EASTERN SPOT PURCHASES

Supplier	Fuel %	BTU Factor	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
MACQUARIE	1.8%	1.044	310,000	297,064	5,642	5,407	291,657	\$15,978.80	\$13,470.28	\$740,125.00	\$2.3875
SEQUENT	1.8%	1.044	155,000	148,532	2,821	2,703	145,829	\$7,989.39	\$6,742.19	\$370,450.00	\$2.3900
EQT--Baseload	1.8%	1.044	155,000	148,532	-	-	148,532	-	-	\$373,550.00	\$2.4100
EQT--SW	1.8%	1.044	155,000	148,532	2,821	2,703	145,829	\$7,989.39	\$7,259.53	\$398,875.00	\$2.5734
DIRECT ENERGY	1.8%	1.044	310,000	297,064	5,642	5,407	291,657	\$15,978.80	\$13,470.28	\$740,125.00	\$2.3875
NEXTERA	1.8%	1.044	155,000	148,532	2,821	2,703	145,829	\$7,989.39	\$6,739.37	\$370,295.00	\$2.3890
SEQUENT SW	1.8%	1.044	94,736	90,783	1,736	1,664	89,119	\$4,882.50	\$4,467.40	\$243,792.40	\$2.5734
Totals & Averages	1.6%	1.044	1,334,736	1,279,038	21,483	20,587	1,258,452	\$60,808.27	\$52,149.03	\$3,237,212.40	\$2.4254

TRANSCONTINENTAL SPOT PURCHASES

Supplier	Fuel %	BTU	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
SHELL 45	0.7%	1.029	310,000	301,409	2,232	2,170	299,239	\$2,120.40	\$6,121.26	\$850,175.00	\$2.7425
MACQUARIE	0.5%	1.029	155,000	150,705	837	814	149,891	\$1,117.55	\$2,285.01	\$423,150.00	\$2.7300
DIRECT ENERGY	0.5%	1.029	155,000	150,705	837	814	149,891	\$1,117.55	\$2,201.31	\$407,650.00	\$2.6300
COYANOSA	0.5%	1.029	155,000	150,705	837	814	149,891	\$1,117.55	\$2,316.40	\$428,962.50	\$2.7675
BP	0.5%	1.029	155,000	150,705	837	814	149,891	\$1,117.55	\$2,312.21	\$428,187.50	\$2.7625
CCI SW	2.8%	1.029	255,130	248,060	7,130	6,932	241,127	\$7,323.44	\$20,835.13	\$745,535.20	\$2.9222
OXY85SW	2.8%	1.029	176,957	172,053	4,957	4,820	167,234	\$5,079.16	\$14,510.32	\$517,995.45	\$2.9272
WSS INV	-	1.029	-	-	-	-	-	-	-	-	-
WSS SAGI	-	1.029	-	-	7,221	7,021	-	\$7,403.48	-	-	-
Totals & Averages	1.8%	1.029	1,362,087	1,324,341	24,888	24,198	1,307,164	\$26,396.68	\$50,581.64	\$3,801,655.65	\$2.7911

Grand Total 1.7% 1.036 2,696,823 2,603,379 46,371 44,785 2,565,615 \$87,204.95 \$102,730.68 \$7,038,868.05 \$2.6101

SEPTEMBER 2018

TEXAS EASTERN SPOT PURCHASES

Supplier	Fuel %	BTU Factor	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
MACQUARIE	1.8%	1.045	300,000	287,009	5,460	5,224	281,786	\$15,463.35	\$13,363.35	\$734,250.00	\$2.4475
SEQUENT	1.8%	1.045	150,000	143,505	2,730	2,612	140,893	\$7,731.67	\$6,688.50	\$367,500.00	\$2.4500
EQT--Baseload	1.8%	1.045	150,000	143,505	-	-	143,505	-	-	\$370,500.00	\$2.4700
EQT-SW	1.8%	1.045	123,519	118,170	2,249	2,152	116,019	\$6,366.67	\$4,996.39	\$274,410.38	\$2.2216
DIRECT ENERGY	1.8%	1.045	300,000	287,009	5,460	5,224	281,786	\$15,463.35	\$13,363.35	\$734,250.00	\$2.4475
NEXTERA	1.8%	1.045	150,000	143,505	2,730	2,612	140,893	\$7,731.67	\$6,685.77	\$367,350.00	\$2.4490
SEQUENT SW	1.8%	1.045	91,680	87,710	1,680	1,607	86,103	\$4,725.00	\$3,763.76	\$205,393.76	\$2.2403
Totals & Averages	1.6%	1.045	1,265,199	1,210,413	20,309	19,430	1,190,984	\$57,481.71	\$48,861.12	\$3,053,654.14	\$2.4136

TRANSCONTINENTAL SPOT PURCHASES

Supplier	Fuel %	BTU	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
SHELL 45	0.7%	1.029	300,000	291,683	2,160	2,100	289,583	\$2,052.00	\$6,010.20	\$834,750.00	\$2.7825
MACQUARIE	0.5%	1.029	150,000	145,841	810	788	145,054	\$1,081.50	\$2,025.00	\$375,000.00	\$2.5000
DIRECT ENERGY	0.5%	1.029	150,000	145,841	810	788	145,054	\$1,081.50	\$2,106.00	\$390,000.00	\$2.6000
COYANOSA	0.5%	1.029	150,000	145,841	810	788	145,054	\$1,081.50	\$2,144.48	\$397,125.00	\$2.6475
BP	0.5%	1.029	150,000	145,841	810	788	145,054	\$1,081.50	\$2,140.43	\$396,375.00	\$2.6425
CCI SW	2.8%	1.029	267,480	260,064	7,480	7,273	252,792	\$7,677.80	\$21,893.82	\$782,908.94	\$2.9270
OXY85SW	2.8%	1.029	154,320	150,042	4,320	4,200	145,841	\$4,429.50	\$12,660.63	\$452,265.75	\$2.9307
WSS INV		1.029	-	-	-	-	-	-	-	-	-
WSS SAGI		1.029	-	-	7,036	6,841	-	\$7,213.39	-	-	-
Totals & Averages	1.8%	1.029	1,321,800	1,285,155	24,236	23,564	1,268,432	\$25,698.69	\$48,980.55	\$3,628,424.69	\$2.7451
Grand Total	1.7%	1.037	2,586,999	2,495,568	44,545	42,994	2,459,416	\$83,180.40	\$97,841.67	\$6,682,078.83	\$2.5829



OCTOBER 2018

TEXAS EASTERN SPOT PURCHASES

Supplier	Fuel %	BTU Factor	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
MACQUARIE	1.8%	1.046	310,000	296,317	5,642	5,393	290,924	\$15,978.80	\$13,357.44	\$733,925.00	\$2,3675
SEQUENT	1.8%	1.046	155,000	148,158	2,821	2,696	145,462	\$7,989.40	\$6,685.77	\$367,350.00	\$2,3700
EQT--Baseload	1.046	1.046	155,000	148,158	-	-	148,158	-	-	\$370,450.00	\$2,3900
EQT-SW	1.8%	1.046	172,050	164,456	3,129	2,991	161,465	\$8,868.36	\$8,668.42	\$476,638.50	\$2,7703
DIRECT ENERGY	1.8%	1.046	310,000	296,317	5,642	5,393	290,924	\$15,978.79	\$13,357.44	\$733,925.00	\$2,3675
NEXTERA	1.8%	1.046	155,000	148,158	2,821	2,696	145,462	\$7,989.40	\$6,682.95	\$367,195.00	\$2,3690
SEQUENT SW	1.8%	1.046	183,335	175,243	3,335	3,188	172,055	\$9,450.00	\$9,281.91	\$510,254.38	\$2,7832
Totals & Averages	1.6%	1.046	1,440,385	1,376,807	23,390	22,358	1,354,449	\$66,254.75	\$58,033.92	\$3,559,737.88	\$2,4714

TRANSCONTINENTAL SPOT PURCHASES

Supplier	Fuel %	BTU	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
SHELL 45	0.7%	1.029	310,000	301,209	2,232	2,169	299,040	\$2,120.40	\$6,187.10	\$859,320.00	\$2,7720
MACQUARIE	0.5%	1.029	155,000	150,605	837	813	149,791	\$1,117.55	\$2,226.42	\$412,300.00	\$2,6600
DIRECT ENERGY	0.5%	1.029	155,000	150,605	837	813	149,791	\$1,117.55	\$2,218.05	\$410,750.00	\$2,6500
COYANOSA	0.5%	1.029	155,000	150,605	837	813	149,791	\$1,117.55	\$2,215.96	\$410,362.50	\$2,6475
BP	0.5%	1.029	155,000	150,605	837	813	149,791	\$1,117.55	\$2,211.77	\$409,587.50	\$2,6425
CCI SW	2.8%	1.029	624,456	606,748	17,484	16,988	589,760	\$17,923.88	\$55,969.57	\$1,999,001.01	\$3,2012
OXY85SW	2.8%	1.029	467,449	454,193	13,089	12,718	441,475	\$13,417.19	\$41,946.62	\$1,498,044.69	\$3,2047
WSS INV	1.029	1.029	-	-	-	-	-	-	-	-	-
WSS SAG1	1.029	1.029	-	-	6,507	6,322	-	\$6,667.76	-	-	-
UET DAY GAS	1.029	1.029	133,900	130,103	3,744	3,638	126,465	\$3,843.45	\$12,060.00	\$431,312.50	\$3,2212
BP DAY GAS	1.029	1.029	140,770	136,778	770	748	136,030	\$1,015.00	\$2,442.83	\$446,592.85	\$3,1725
Totals & Averages	2.1%	1.029	2,296,575	2,231,450	47,174	45,836	2,191,936	\$49,457.88	\$127,478.32	\$6,877,271.05	\$2,9946
Grand Total	1.9%	1.036	3,736,960	3,608,257	70,564	68,194	3,546,385	\$115,712.63	\$185,512.24	\$10,437,008.93	\$2,7929

NOVEMBER 2018

TEXAS EASTERN SPOT PURCHASES

Supplier	Fuel %	BTU Factor	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
MACQUARIE	1.8%	1.046	300,000	286,794	5,460	5,220	281,575	\$15,463.36	\$15,137.85	\$831,750.00	\$2,7725
SEQUENT	1.8%	1.046	449,082	429,314	8,173	7,813	421,501	\$23,147.72	\$22,680.08	\$1,246,202.55	\$2,7750
EQT-BaseLoad	1.046	1.046	150,000	143,397	-	-	143,397	-	-	\$422,250.00	\$2,8150
EQT-SW	1.8%	1.046	450,000	430,191	8,190	7,829	422,362	\$23,195.02	\$32,764.55	\$1,800,250.00	\$4,0006
COYANOSA	1.8%	1.046	150,000	143,397	2,730	2,610	140,787	\$7,731.67	\$7,623.53	\$418,875.00	\$2,7925
NEXTERA	1.8%	1.046	600,000	573,588	10,920	10,439	563,149	\$30,926.70	\$30,275.70	\$1,663,500.00	\$2,7725
OXY SW	1.8%	1.046	329,978	315,453	6,006	5,742	309,711	\$17,008.53	\$24,119.54	\$1,325,160.90	\$4,0159
Totals & Averages	1.7%	1.046	2,429,060	2,322,135	41,479	39,653	2,282,482	\$117,473.00	\$132,601.24	\$7,707,988.45	\$3,1732

TRANSCONTINENTAL SPOT PURCHASES

Supplier	Fuel %	BTU Factor	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
SHELL 45	0.7%	1.031	300,000	291,112	2,160	2,096	289,016	\$2,052.00	\$6,841.80	\$950,250.00	\$3,1675
MACQUARIE	3.2%	1.031	300,000	291,112	9,480	9,199	281,913	\$9,441.90	\$30,027.90	\$950,250.00	\$3,1675
DIRECT ENERGY	2.8%	1.031	300,000	291,112	8,400	8,151	282,961	\$8,610.90	\$26,922.00	\$961,500.00	\$3,2050
COYANOSA	2.8%	1.031	150,000	145,556	4,200	4,076	141,481	\$4,305.60	\$14,238.00	\$508,500.00	\$3,3900
BP	2.8%	1.031	300,000	291,112	8,400	8,151	282,961	\$8,610.90	\$26,460.00	\$945,000.00	\$3,1500
UET	2.8%	1.031	300,000	291,112	8,400	8,151	282,961	\$8,610.90	\$26,628.00	\$951,000.00	\$3,1700
CCI SW	2.8%	1.031	440,000	426,965	12,320	11,955	415,010	\$12,629.32	\$52,864.00	\$1,888,000.00	\$4,2909
UET SW	2.8%	1.031	450,000	436,669	12,600	12,227	424,442	\$12,916.35	\$53,821.60	\$1,922,200.00	\$4,2716
FREEDOM ENERGY SW	2.8%	1.031	110,000	106,741	3,080	2,989	103,752	\$3,157.44	\$13,208.30	\$471,725.00	\$4,2884
WSS INV	1.031	1.031	-	-	1,741	1,689	-	\$1,784.29	-	-	-
WSS SAG1	1.031	1.031	-	-	7,894	7,660	-	\$8,091.81	-	-	-
UET DAY GAS	3.2%	1.031	30,900	29,985	975	946	29,038	\$972.57	\$4,501.25	\$142,655.00	\$4,6167
Totals & Averages	3.0%	1.031	2,680,900	2,601,477	79,650	77,290	2,533,536	\$81,183.98	\$255,512.85	\$9,691,080.00	\$3,6149
Grand Total	2.4%	1.038	5,109,960	4,923,612	121,129	116,943	4,816,018	\$198,656.98	\$388,114.09	\$17,399,068.45	\$3,4049

DECEMBER 2018

TEXAS EASTERN SPOT PURCHASES

Supplier	Fuel %	BTU Factor	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
MACQUARIE	2.3%	1.048	310,000	295,939	6,975	6,659	289,280	\$19,696.62	\$29,870.44	\$1,327,575.00	\$4.2825
SEQUENT	2.2%	1.048	465,000	443,908	10,447	9,973	433,935	\$29,545.95	\$44,765.40	\$1,992,525.00	\$4.2850
EQT-Baseload		1.048	155,000	147,969	-	-	147,969	-	-	\$670,375.00	\$4.3250
EQT-SW	2.3%	1.048	400,000	381,857	9,000	8,592	373,265	\$25,415.00	\$35,653.50	\$1,584,600.00	\$3.9615
COYANOSA	2.2%	1.048	155,000	147,969	3,472	3,315	144,655	\$9,849.32	\$14,938.28	\$666,887.50	\$4.3025
NEXTERA	2.3%	1.048	620,000	591,878	13,950	13,317	578,561	\$39,393.26	\$59,740.88	\$2,655,150.00	\$4.2825
OXY SW	2.2%	1.048	465,000	443,908	10,447	9,973	433,935	\$29,545.95	\$37,794.55	\$1,682,250.00	\$3.6177
BP	3.8%	1.048	278,229	265,609	10,573	10,093	255,516	\$24,838.47	\$38,973.91	\$1,025,600.38	\$3.6862
Totals & Averages	2.3%	1.048	2,848,229	2,719,038	64,864	61,922	2,657,116	\$178,284.57	\$261,736.95	\$11,604,962.88	\$4.0744

TRANSCONTINENTAL SPOT PURCHASES

Supplier	Fuel %	BTU	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
SHELL 45	0.7%	1.031	310,000	300,782	2,232	2,166	298,616	\$2,120.40	\$10,551.78	\$1,465,525.00	\$4.7275
MACQUARIE	3.2%	1.031	310,000	300,782	9,796	9,505	291,277	\$9,756.63	\$46,212.63	\$1,462,425.00	\$4.7175
DIRECT ENERGY	2.8%	1.031	310,000	300,782	8,680	8,422	292,360	\$8,897.93	\$34,676.60	\$1,238,450.00	\$3.9950
COYANOSA	2.8%	1.031	155,000	150,391	4,340	4,211	146,180	\$4,449.12	\$14,712.60	\$525,450.00	\$3.3900
BP	2.8%	1.031	310,000	300,782	8,680	8,422	292,360	\$8,897.93	\$40,622.40	\$1,450,800.00	\$4.6800
UET	2.8%	1.031	310,000	300,782	8,680	8,422	292,360	\$8,897.93	\$41,230.00	\$1,472,500.00	\$4.7500
CCI SW	2.8%	1.031	520,000	504,538	14,560	14,127	490,411	\$14,925.56	\$58,825.20	\$2,100,900.00	\$4.0402
UET SW	2.8%	1.031	620,000	601,564	17,360	16,844	584,720	\$17,795.86	\$67,250.40	\$2,401,800.00	\$3.8739
FREEDOM ENERGY SW	2.8%	1.031	155,000	150,391	4,340	4,211	146,180	\$4,449.12	\$16,812.60	\$600,450.00	\$3.8739
WSS INV		1.031	-	-	3,898	3,782	-	\$3,995.03	-	-	-
WSS SAG1		1.031	-	-	7,481	7,259	-	\$7,668.71	-	-	-
BP	2.8%	1.031	310,000	300,782	8,680	8,422	292,360	\$8,897.93	\$41,295.10	\$1,474,825.00	\$4.7575
SMP Sale		1.031	-	-	3	3	-	\$2.95	-	-	-
Totals & Averages	3.0%	1.031	3,310,000	3,211,576	98,730	95,794	3,126,825	\$100,755.10	\$372,189.31	\$14,193,125.00	\$4.2880
Grand Total	2.7%	1.038	6,158,229	5,930,614	163,594	157,716	5,783,941	\$279,039.67	\$633,926.26	\$25,798,087.88	\$4.1892

JANUARY 2019

TEXAS EASTERN SPOT PURCHASES

Supplier	Fuel %	BTU Factor	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
MACQUARIE	2.3%	1.051	290,728	276,605	6,543	6,225	270,380	\$18,472.03	\$21,608.26	\$960,129.22	\$3.3025
MACQUARIE - SMP SALE	2.2%	1.051	16,904	16,083	380	362	15,721	\$1,074.06	\$1,254.95	\$55,825.46	\$3.3025
SEQUENT	2.2%	1.051	462,172	439,721	10,384	9,880	429,841	\$29,366.22	\$34,319.12	\$1,527,478.46	\$3.3050
EQT--BaseLoad	0.0%	1.051	154,057	146,573	-	-	146,573	-	-	\$515,320.67	\$3.3450
EQT--SW	2.3%	1.051	466,526	443,863	10,498	9,988	433,875	\$29,641.82	\$29,203.53	\$1,297,790.67	\$2.7818
EQT SW - SMP SALE	2.2%	1.051	61,734	58,735	1,389	1,322	57,414	\$3,922.43	\$4,148.37	\$184,374.21	\$2.9866
COYANOSA	2.2%	1.051	153,954	146,475	3,449	3,281	143,194	\$9,782.82	\$11,459.30	\$511,512.17	\$3.3225
NEXTERA	2.2%	1.051	613,766	583,951	13,809	13,138	570,813	\$38,997.21	\$45,604.22	\$2,026,962.22	\$3.3025
OXY SW	2.2%	1.051	327,377	311,474	7,357	7,000	304,474	\$20,801.30	\$20,962.32	\$932,796.17	\$2.8493
OXY SW - SMP SALE	2.2%	1.051	35,235	33,523	792	754	32,770	\$2,238.79	\$2,477.94	\$110,240.19	\$3.1287
BP - ETX	3.8%	1.051	173,640	165,205	6,599	6,278	158,927	\$15,501.40	\$20,288.37	\$533,849.52	\$3.0745
BP - SMP SALE	3.8%	1.051	32,747	31,156	1,244	1,184	29,973	\$2,923.47	\$3,838.06	\$101,032.96	\$3.0853
Totals & Averages	2.2%	1.051	2,788,840	2,653,366	62,444	59,411	2,593,955	\$172,721.55	\$195,164.45	\$8,757,311.92	\$3.1401

TRANSCONTINENTAL SPOT PURCHASES

Supplier	Fuel %	BTU	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
SHELL 45	0.7%	1.031	310,000	300,558	2,232	2,164	298,394	\$2,120.40	\$8,118.90	\$1,127,625.00	\$3.6375
MACQUARIE	3.2%	1.031	310,000	300,558	9,796	9,498	291,060	\$9,756.63	\$35,339.07	\$1,118,325.00	\$3.6075
DIRECT ENERGY	2.8%	1.031	310,000	300,558	8,680	8,416	292,142	\$8,897.93	\$29,859.20	\$1,066,400.00	\$3.4400
COYANOSA	2.8%	1.031	155,000	150,279	4,340	4,208	146,071	\$4,449.12	\$14,712.60	\$525,450.00	\$3.3900
BP	2.8%	1.031	310,000	300,558	8,680	8,416	292,142	\$8,897.93	\$31,074.40	\$1,109,800.00	\$3.5800
UET	2.8%	1.031	310,000	300,558	8,680	8,416	292,142	\$8,897.93	\$31,595.20	\$1,128,400.00	\$3.6400
CCISW	2.8%	1.031	605,000	586,572	16,940	16,424	570,148	\$17,365.32	\$51,278.15	\$1,831,362.50	\$3.0270
UET SW	2.8%	1.031	560,000	542,943	15,680	15,202	527,741	\$16,073.70	\$47,962.60	\$1,712,950.00	\$3.0588
FREEDOM ENERGY SW	2.8%	1.031	155,000	150,279	4,340	4,208	146,071	\$4,449.12	\$13,096.30	\$467,725.00	\$3.0176
WSS INV		1.031	-	-	9,372	9,087	-	\$9,601.69	-	-	-
WSS SAG1		1.031	-	-	8,594	8,332	-	\$8,809.75	-	-	-
MACQUARIE	2.8%	1.031	310,000	300,558	8,680	8,416	292,142	\$8,897.93	\$31,682.00	\$1,131,500.00	\$3.6500
UET DAY GAS	3.2%	1.031	130,000	126,040	4,108	3,983	122,057	\$4,091.49	\$12,726.90	\$402,750.00	\$3.0981
SMP SALE	#DIV/0!	1.031	-	-	127	123	-	\$131.46	-	-	-
Totals & Averages	3.2%	1.031	3,465,000	3,359,461	110,249	106,891	3,270,112	\$112,440.40	\$307,445.32	\$11,622,287.50	\$3.3542
Grand Total	2.8%	1.040	6,253,840	6,012,827	172,693	166,302	5,864,067	\$285,161.95	\$502,609.77	\$20,379,599.42	\$3.2587

FEBRUARY 2019

TEXAS EASTERN SPOT PURCHASES

Supplier	Fuel %	BTU Factor	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
MACQUARIE	2.3%	1.050	280,000	266,724	6,300	6,001	260,723	\$20,637.00	\$16,836.75	\$748,300.00	\$2.6725
SEQUENT	2.2%	1.050	420,000	400,086	9,436	8,989	391,098	\$30,956.52	\$25,241.30	\$1,123,500.00	\$2.6750
EQT--Baseload	0.0%	1.050	140,000	133,362	-	-	133,362	-	-	\$380,100.00	\$2.7150
EQT-SW	2.2%	1.050	473,172	450,737	10,646	10,141	440,596	\$34,874.46	\$26,437.46	\$1,175,038.84	\$2.4833
EQT SW - SMP SALE	2.2%	1.050	36,828	35,082	828	789	34,293	\$2,714.40	\$2,091.16	\$93,011.16	\$2.5256
COYANOSA	2.2%	1.050	140,000	133,362	3,136	2,987	130,375	\$10,319.54	\$8,443.68	\$376,950.00	\$2.6925
NEXTERA	2.3%	1.050	560,000	533,448	12,600	12,003	521,446	\$41,273.96	\$33,673.50	\$1,496,600.00	\$2.6725
OXY SW	2.2%	1.050	380,000	361,983	8,537	8,132	353,850	\$28,008.31	\$21,231.29	\$945,050.00	\$2.4870
BP - ETX	3.8%	1.050	280,000	266,724	10,640	10,136	256,589	\$28,579.10	\$32,398.80	\$852,600.00	\$3.0450
Totals & Averages	2.3%	1.050	2,710,000	2,581,508	62,123	59,178	2,522,331	\$197,363.29	\$166,353.94	\$7,191,150.00	\$2.6536

TRANSCONTINENTAL SPOT PURCHASES

Supplier	Fuel %	BTU	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
SHELL 45	0.7%	1.032	280,000	271,295	2,016	1,953	269,342	\$1,915.20	\$5,881.68	\$816,900.00	\$2.9175
MACQUARIE	3.2%	1.032	280,000	271,295	8,848	8,573	262,722	\$8,812.44	\$24,907.12	\$788,200.00	\$2.8150
DIRECT ENERGY	2.8%	1.032	280,000	271,295	7,840	7,596	263,699	\$8,036.84	\$22,344.00	\$798,000.00	\$2.8500
COYANOSA	2.8%	1.032	140,000	135,648	3,920	3,798	131,850	\$4,018.56	\$11,475.80	\$409,850.00	\$2.9275
BP	2.8%	1.032	280,000	271,295	7,840	7,596	263,699	\$8,036.84	\$23,402.40	\$835,800.00	\$2.9850
UET	2.8%	1.032	280,000	271,295	7,840	7,596	263,699	\$8,036.84	\$22,265.60	\$795,200.00	\$2.8400
CCI SW	2.8%	1.032	500,000	484,456	14,000	13,565	470,891	\$14,351.50	\$37,165.80	\$1,327,350.00	\$2.6547
UET SW	2.8%	1.032	505,000	489,301	14,140	13,700	475,600	\$14,495.02	\$37,485.00	\$1,338,750.00	\$2.6510
FREEDOM ENERGY SW	2.8%	1.032	135,000	130,803	3,780	3,662	127,141	\$3,875.04	\$9,991.10	\$356,825.00	\$2.6431
WSS INV	1.032		-	-	4,394	4,394	-	\$4,648.10	-	-	-
WSS SAGI	1.032		-	-	7,765	7,524	-	\$7,959.78	-	-	-
UET DAY GAS	3.2%	1.032	40,000	38,756	1,264	1,225	37,532	\$1,258.92	\$3,880.48	\$122,800.00	\$3.0700
Totals & Averages	3.1%	1.032	2,720,000	2,635,441	83,788	81,183	2,566,176	\$85,445.08	\$198,798.98	\$7,589,675.00	\$2.7903
Grand Total	2.7%	1.041	5,430,000	5,216,950	145,911	140,361	5,088,506	\$282,808.37	\$365,152.92	\$14,780,825.00	\$2.7221

MARCH 2019

TEXAS EASTERN SPOT PURCHASES

Supplier	Fuel %	BTU Factor	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
MACQUARIE	2.3%	1.049	310,000	295,560	6,975	6,650	288,910	\$22,848.08	\$18,082.69	\$803,675.00	\$2.5925
SEQUENT	2.2%	1.049	465,000	443,340	10,447	9,960	433,379	\$34,273.30	\$27,109.97	\$1,206,675.00	\$2.5950
EQT--Baseload	0.0%	1.049	155,000	147,780	-	-	147,780	-	-	\$408,425.00	\$2.6350
EQT-SW	2.2%	1.049	480,678	458,287	10,813	10,309	447,978	\$35,427.82	\$29,472.57	\$1,310,165.18	\$2.7257
EQT SW - SMP SALE	2.2%	1.049	14,322	13,655	322	307	13,348	\$1,055.60	\$1,019.82	\$45,359.82	\$3.1671
COYANOSA	2.2%	1.049	154,922	147,706	3,471	3,309	144,396	\$11,419.41	\$9,067.99	\$404,733.73	\$2.6125
NEXTERA	2.3%	1.049	620,000	591,120	13,950	13,300	577,820	\$45,696.18	\$36,165.38	\$1,607,350.00	\$2.6125
OXY SW	2.2%	1.049	349,995	333,692	7,863	7,497	326,195	\$25,796.75	\$21,630.55	\$962,811.30	\$2.7509
BP - ETX	3.8%	1.049	29,501	28,127	1,121	1,069	27,058	\$3,011.11	\$3,693.11	\$97,190.43	\$3.2945
Totals & Averages	2.1%	1.049	2,579,418	2,459,266	54,962	52,402	2,406,864	\$179,528.25	\$146,242.07	\$6,846,385.46	\$2.6542

TRANSCONTINENTAL SPOT PURCHASES

Supplier	Fuel %	BTU Factor	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
SHELL 45	0.7%	1.031	310,000	300,752	2,232	2,165	298,587	\$2,428.23	\$6,310.98	\$876,525.00	\$2.8275
MACQUARIE	3.2%	1.031	310,000	300,752	9,796	9,504	291,249	\$9,930.85	\$25,077.76	\$793,600.00	\$2.5600
DIRECT ENERGY	2.8%	1.031	310,000	300,752	8,680	8,421	292,331	\$8,985.35	\$24,738.00	\$883,500.00	\$2.8500
COYANOSA	2.8%	1.031	155,000	150,376	4,340	4,211	146,166	\$4,492.52	\$12,293.05	\$439,037.50	\$2.8325
BP	2.8%	1.031	310,000	300,752	8,680	8,421	292,331	\$8,985.35	\$23,132.20	\$826,150.00	\$2.6650
UET	2.8%	1.031	310,000	300,752	8,680	8,421	292,331	\$8,985.35	\$24,607.80	\$878,850.00	\$2.8350
CCI SW	2.8%	1.031	475,000	460,830	13,300	12,903	447,927	\$13,767.85	\$38,496.15	\$1,374,862.50	\$2.8944
UET SW	2.8%	1.031	495,000	480,234	13,860	13,447	466,787	\$14,347.55	\$40,025.30	\$1,429,475.00	\$2.8878
FREEDOM ENERGY SW	2.8%	1.031	135,000	130,973	3,780	3,667	127,306	\$3,912.84	\$10,875.20	\$388,400.00	\$2.8770
WSS INV		1.031	-	-	3,315	3,216	-	\$3,429.30	-	-	-
WSS SAG1		1.031	-	-	8,393	8,143	-	\$8,687.21	-	-	-
UET DAY GAS	3.2%	1.031	45,000	43,658	1,422	1,380	42,278	\$1,441.56	\$4,837.17	\$153,075.00	\$3.4017
Totals & Averages	3.0%	1.031	2,855,000	2,769,833	86,478	83,898	2,697,293	\$89,393.96	\$210,393.61	\$8,043,475.00	\$2.8173
Grand Total	2.6%	1.039	5,434,418	5,229,099	141,440	136,300	5,104,157	\$268,922.21	\$356,635.68	\$14,889,860.46	\$2.7399

APRIL 2019

TEXAS EASTERN SPOT PURCHASES

Supplier	Fuel %	BTU Factor	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
MACQUARIE	1.7%	1.042	150,000	143,917	2,520	2,418	141,499	\$11,119.99	\$6,029.10	\$358,875.00	\$2.3925
SEQUENT	1.7%	1.042	150,000	143,917	2,520	2,418	141,499	\$11,119.99	\$6,029.10	\$358,875.00	\$2.3925
NEXTERA	1.7%	1.042	300,000	287,834	5,040	4,836	282,999	\$22,239.98	\$12,045.60	\$717,000.00	\$2.3900
EQT--Baseload	0.0%	1.042	150,000	143,917	-	-	143,917	-	-	\$361,500.00	\$2.4100
EQT--Baseload	1.7%	1.042	300,000	287,834	5,040	4,836	282,999	\$22,239.99	\$12,045.60	\$717,000.00	\$2.3900
EQT - SW	1.7%	1.042	300,000	287,834	5,040	4,836	282,999	\$22,239.99	\$11,629.80	\$692,250.00	\$2.3075
OXY SW	1.7%	1.042	114,000	109,377	1,920	1,842	107,535	\$8,450.83	\$4,521.60	\$268,470.00	\$2.3550
Totals & Averages	1.5%	1.042	1,464,000	1,404,632	22,080	21,185	1,383,447	\$97,410.77	\$52,300.80	\$3,473,970.00	\$2.3729

TRANSCONTINENTAL SPOT PURCHASES

Supplier	Fuel %	BTU	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
BP 30	0.8%	1.030	300,000	291,279	2,430	2,359	288,920	\$3,793.80	\$6,463.80	\$798,000.00	\$2.6600
MACQUARIE	0.7%	1.030	150,000	145,639	990	961	144,678	\$1,415.70	\$2,465.10	\$373,500.00	\$2.4900
MGAG	2.8%	1.030	270,000	262,151	7,650	7,428	254,723	\$10,496.70	\$20,196.00	\$712,800.00	\$2.6400
COYANOSA	0.7%	1.030	150,000	145,639	990	961	144,678	\$1,415.70	\$2,489.85	\$377,250.00	\$2.5150
PACIFIC SUMMIT	0.7%	1.030	150,000	145,639	990	961	144,678	\$1,415.70	\$2,467.58	\$373,875.00	\$2.4925
CCI SW	2.8%	1.030	205,000	199,041	5,798	5,629	193,411	\$7,970.09	\$15,061.01	\$532,512.50	\$2.5976
UET SW	2.8%	1.030	315,000	305,843	8,909	8,650	297,193	\$12,246.69	\$22,703.81	\$802,750.00	\$2.5484
FREEDOM ENERGY SW	2.8%	1.030	70,000	67,965	1,974	1,917	66,048	\$2,721.74	\$5,143.68	\$182,400.00	\$2.6057
WSS INV		1.030	-	-	-	-	-	-	-	-	-
WSS SAG1		1.030	-	-	8,058	7,824	-	\$11,061.86	-	-	-
Totals & Averages	2.3%	1.030	1,610,000	1,563,197	37,789	36,690	1,534,330	\$52,537.98	\$76,990.83	\$4,153,087.50	\$2.5796
Grand Total	1.9%	1.036	3,074,000	2,967,829	59,869	57,875	2,917,778	\$149,948.75	\$129,291.63	\$7,627,057.50	\$2.4812

TEXAS EASTERN SPOT PURCHASES

Supplier	Fuel %	BTU Factor	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
MACQUARIE	1.7%	1.042	155,000	148,797	2,604	2,500	146,297	\$11,490.65	\$5,474.91	\$325,887.50	\$2.1025
SEQUENT	1.7%	1.042	155,000	148,797	2,604	2,500	146,297	\$11,490.65	\$5,474.91	\$325,887.50	\$2.1025
NEXTERA	1.7%	1.042	310,000	297,593	5,208	5,000	292,594	\$22,981.32	\$10,936.80	\$651,000.00	\$2.1000
EQT--Baseload	0.0%	1.042	155,000	148,797	-	-	148,797	-	-	\$328,600.00	\$2.1200
EQT--Baseload	1.7%	1.042	310,000	297,593	5,208	5,000	292,594	\$22,981.32	\$10,936.80	\$651,000.00	\$2.1000
EQT - SW	1.7%	1.042	140,000	134,397	2,352	2,258	132,139	\$10,378.66	\$5,143.32	\$306,150.00	\$2.1868
OXY SW	1.7%	1.042	57,416	55,118	964	925	54,193	\$4,256.48	\$2,100.89	\$125,129.38	\$2.1793
Totals & Averages	1.5%	1.042	1,282,416	1,231,091	18,940	18,182	1,212,909	\$83,579.08	\$40,067.63	\$2,713,654.38	\$2.1160

TRANSCONTINENTAL SPOT PURCHASES

Supplier	Fuel %	BTU	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
BP 30	0.8%	1.029	310,000	301,185	2,511	2,440	298,746	\$3,920.26	\$6,290.06	\$776,550.00	\$2.5050
MACQUARIE	0.7%	1.029	155,000	150,593	1,023	994	149,599	\$1,462.89	\$2,240.37	\$339,450.00	\$2.1900
MGAG	2.8%	1.029	224,316	217,938	6,355	6,174	211,763	\$8,720.61	\$13,699.51	\$483,559.39	\$2.1557
COYANOSA	0.7%	1.029	155,000	150,593	1,023	994	149,599	\$1,462.89	\$2,260.83	\$342,550.00	\$2.2100
PACIFIC SUMMIT	0.7%	1.029	155,000	150,593	1,023	994	149,599	\$1,462.89	\$2,242.93	\$339,837.50	\$2.1925
CCI SW	2.8%	1.029	95,000	92,299	2,688	2,612	89,687	\$3,693.39	\$6,754.31	\$238,712.50	\$2.5128
UET SW	2.8%	1.029	120,000	116,588	3,395	3,298	113,289	\$4,665.36	\$8,534.18	\$301,650.00	\$2.5138
FREEDOM ENERGY SW		1.029	-	-	-	-	-	-	-	-	-
WSS INV		1.029	-	-	-	-	-	-	-	-	-
WSS SAGI		1.029	-	-	8,240	8,006	-	\$11,313.15	-	-	-
Totals & Averages	2.2%	1.029	1,214,316	1,179,788	26,258	25,511	1,162,282	\$36,701.44	\$42,022.18	\$2,822,309.39	\$2.3242
Grand Total	1.8%	1.036	2,496,732	2,410,879	45,198	43,693	2,375,192	\$120,280.52	\$82,089.81	\$5,535,963.77	\$2.2173



JUNE 2019

TEXAS EASTERN SPOT PURCHASES

Supplier	Fuel %	BTU Factor	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
MACQUARIE	1.7%	1.040	150,000	144,207	2,520	2,423	141,784	\$8,893.04	\$5,399.10	\$321,375.00	\$2.1425
SEQUENT	1.7%	1.040	150,000	144,207	2,520	2,423	141,784	\$8,893.04	\$5,399.10	\$321,375.00	\$2.1425
NEXTERA	1.7%	1.040	300,000	288,413	5,040	4,845	283,568	\$17,786.09	\$10,785.60	\$642,000.00	\$2.1400
EQT--Baseload	1.7%	1.040	150,000	144,207	2,520	2,423	141,784	\$8,701.32	\$5,443.20	\$324,000.00	\$2.1600
EQT--Baseload	1.7%	1.040	300,000	288,413	5,040	4,845	283,568	\$17,786.09	\$10,785.60	\$642,000.00	\$2.1400
EQT - SW	1.7%	1.040	178,000	171,125	2,986	2,871	168,254	\$10,553.35	\$5,889.13	\$351,060.00	\$1.9722
OXY SW	1.7%	1.040	15,000	14,421	252	242	14,178	\$889.30	\$511.56	\$30,450.00	\$2.0300
Totals & Averages	1.7%	1.040	1,243,000	1,194,992	20,878	20,072	1,174,920	\$73,502.23	\$44,213.29	\$2,632,260.00	\$2.1177

TRANSCONTINENTAL SPOT PURCHASES

Supplier	Fuel %	BTU	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
BP 30	1.5%	1.029	300,000	291,499	4,411	4,286	287,213	\$6,441.76	\$11,049.56	\$751,500.00	\$2.5050
MACQUARIE	0.7%	1.029	150,000	145,749	990	962	144,787	\$1,415.70	\$2,247.30	\$340,500.00	\$2.2700
MGAG	2.8%	1.029	112,080	108,904	3,180	3,090	105,814	\$4,356.90	\$6,940.35	\$244,614.60	\$2.1825
MGAG	2.8%	1.029	105,000	102,025	2,970	2,886	99,139	\$4,082.40	\$6,808.73	\$240,712.50	\$2.2925
COYANOSA	0.7%	1.029	150,000	145,749	990	962	144,787	\$1,415.70	\$2,267.10	\$343,500.00	\$2.2900
PACIFIC SUMMIT	0.7%	1.029	150,000	145,749	990	962	144,787	\$1,415.70	\$2,249.78	\$340,875.00	\$2.2725
CCI SW	2.8%	1.029	105,000	102,025	2,961	2,877	99,147	\$4,082.61	\$6,776.11	\$240,287.50	\$2.2885
UET SW	2.8%	1.029	165,000	160,324	4,665	4,533	155,792	\$6,415.05	\$10,719.60	\$379,150.00	\$2.2979
FREEDOM ENERGY SW	1.029	1.029	105,000	102,025	2,961	2,877	99,147	\$4,082.61	\$6,768.71	\$240,025.00	\$2.2860
WSS INV	1.029	1.029	-	-	-	-	-	-	-	-	-
WSS SAG1	1.029	1.029	-	-	6,014	5,844	-	\$8,256.23	-	-	-
Totals & Averages	2.2%	1.029	1,342,080	1,304,049	30,132	29,278	1,280,615	\$41,964.66	\$55,827.22	\$3,121,164.60	\$2.3256
Grand Total	2.0%	1.034	2,585,080	2,499,041	51,010	49,350	2,455,534	\$115,466.89	\$100,040.51	\$5,753,424.60	\$2.2256

JULY 2019

TEXAS EASTERN SPOT PURCHASES

Supplier	Fuel %	BTU Factor	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
MACQUARIE	1.7%	1.042	155,000	148,804	2,604	2,500	146,304	\$9,189.47	\$4,928.07	\$293,337.50	\$1.8925
SEQUENT	1.7%	1.042	155,000	148,804	2,604	2,500	146,304	\$9,189.47	\$4,928.07	\$293,337.50	\$1.8925
NEXTERA	1.7%	1.042	310,000	297,608	5,208	5,000	292,608	\$18,378.96	\$9,843.12	\$585,900.00	\$1.8900
EQT-BaseLoad	1.7%	1.042	155,000	148,804	2,604	2,500	146,304	\$8,991.36	\$4,973.64	\$296,050.00	\$1.9100
EQT-BaseLoad	1.7%	1.042	310,000	297,608	5,208	5,000	292,608	\$18,378.96	\$9,843.12	\$585,900.00	\$1.8900
EQT - SW	1.7%	1.042	93,000	89,282	1,550	1,488	87,794	\$5,514.44	\$3,119.50	\$187,170.00	\$2.0126
OXY SW											
Totals & Averages	1.7%	1.042	1,178,000	1,130,911	19,778	18,987	1,111,924	\$69,642.66	\$37,635.52	\$2,241,695.00	\$1.9030

TRANSCONTINENTAL SPOT PURCHASES

Supplier	Fuel %	BTU	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
BP 30	0.8%	1.029	180,000	174,870	1,458	1,416	173,453	\$2,276.28	\$3,652.29	\$450,900.00	\$2.5050
BP 65	3.1%	1.029	130,000	126,295	4,017	3,903	122,392	\$5,559.71	\$10,062.59	\$325,650.00	\$2.5050
MACQUARIE	0.7%	1.029	155,000	150,582	1,023	994	149,588	\$1,459.13	\$2,086.92	\$316,200.00	\$2.0400
MGAG	2.8%	1.029	115,816	112,515	3,286	3,192	109,323	\$4,490.57	\$6,087.32	\$214,549.14	\$1.8525
MGAG	2.8%	1.029	108,500	105,408	3,069	2,982	102,426	\$4,207.63	\$6,022.91	\$212,931.25	\$1.9625
COYANOSA	0.7%	1.029	155,000	150,582	1,023	994	149,588	\$1,459.13	\$2,107.38	\$319,300.00	\$2.0600
PACIFIC SUMMIT	0.7%	1.029	155,000	150,582	1,023	994	149,588	\$1,459.13	\$2,089.48	\$316,587.50	\$2.0425
CCI SW	2.8%	1.029	90,000	87,435	2,538	2,466	84,969	\$3,483.89	\$5,941.04	\$210,675.00	\$2.3408
UET SW	2.8%	1.029	204,600	198,769	5,790	5,625	193,144	\$7,908.02	\$13,394.89	\$473,332.50	\$2.3135
FREEDOM ENERGY SW	2.8%	1.029	15,000	14,572	423	411	14,162	\$567.74	\$962.33	\$34,125.00	\$2.2750
WSS INV											
WSS SAG1											
MAKEUP GAS*											
Totals & Averages	2.0%	1.029	1,308,916	1,271,610	26,391	25,639	1,248,634	\$36,744.98	\$52,407.13	\$2,874,250.39	\$2.1959
Grand Total	1.9%	1.035	2,486,916	2,402,521	46,169	44,626	2,360,558	\$106,387.64	\$90,042.65	\$5,115,945.39	\$2.0571

\* Gas was cut on 7/3/19 and the makeup gas was delivered on 7/17/19 for the following packages: CCI SW, UET SW, Freedom Energy SW, MGAG, Macquarie, Pacific Summit, and Coyanosa

AUGUST 2019

TEXAS EASTERN SPOT PURCHASES

Supplier	Fuel %	BTU Factor	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
MACQUARIE	1.7%	1.047	155,000	148,003	2,604	2,486	145,517	\$10,164.81	\$4,641.63	\$276,287.50	\$1.7825
SEQUENT	1.7%	1.047	155,000	148,003	2,604	2,486	145,517	\$10,164.81	\$4,641.63	\$276,287.50	\$1.7825
NEXTERA	1.7%	1.047	310,000	296,006	5,208	4,973	291,034	\$20,329.63	\$9,270.24	\$551,800.00	\$1.7800
EQT--Baseload	1.7%	1.047	155,000	148,003	2,604	2,486	145,517	\$9,966.70	\$4,687.20	\$279,000.00	\$1.8000
EQT--Baseload	1.7%	1.047	310,000	296,006	5,208	4,973	291,034	\$20,329.63	\$9,270.24	\$551,800.00	\$1.7800
EQT - SW	1.7%	1.047	38,750	37,001	651	622	36,379	\$2,541.20	\$1,096.10	\$65,243.75	\$1.6837
OXY SW		1.047	-	-	-	-	-	-	-	-	-
Totals & Averages	1.7%	1.047	1,123,750	1,073,024	18,879	18,027	1,054,997	\$73,496.78	\$33,607.04	\$2,000,418.75	\$1.7801

TRANSCONTINENTAL SPOT PURCHASES

Supplier	Fuel %	BTU	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
BP 30	0.8%	1.030	310,000	301,114	2,511	2,439	298,675	\$3,920.26	\$5,461.43	\$674,250.00	\$2.1750
MACQUARIE	0.7%	1.030	155,000	150,557	1,023	994	149,563	\$1,462.89	\$1,948.82	\$295,275.00	\$1.9050
MGAG	2.8%	1.030	115,816	112,496	3,286	3,192	109,304	\$4,502.13	\$5,627.28	\$198,334.90	\$1.7125
MGAG	2.8%	1.030	108,500	105,390	3,069	2,981	102,409	\$4,218.48	\$5,593.25	\$197,741.25	\$1.8225
COYANOSA	0.7%	1.030	155,000	150,557	1,023	994	149,563	\$1,462.89	\$1,974.39	\$299,150.00	\$1.9300
PACIFIC SUMMIT	0.7%	1.030	155,000	150,557	1,023	994	149,563	\$1,462.89	\$1,943.70	\$294,500.00	\$1.9000
CCI SW		1.030	-	-	-	-	-	-	-	-	-
UET SW	2.8%	1.030	394,000	382,706	11,156	10,836	371,870	\$15,317.70	\$24,367.37	\$860,590.00	\$2.1842
FREEDOM ENERGY SW		1.030	-	-	-	-	-	-	-	-	-
WSS INV		1.030	-	-	-	-	-	-	-	-	-
WSS SAG1		1.030	-	-	-	-	-	\$11,954.22	-	-	-
Totals & Averages	2.3%	1.030	1,393,316	1,353,376	31,802	30,890	1,330,947	\$44,301.46	\$46,916.22	\$2,819,841.15	\$2.0238
Grand Total	2.0%	1.037	2,517,066	2,426,400	50,681	48,917	2,385,944	\$117,798.24	\$80,523.26	\$4,820,259.90	\$1.9150

**III. BALANCE SHEET AND OPERATING STATEMENT**

III.E.37. 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:**

Not applicable.

### III. BALANCE SHEET AND OPERATING STATEMENT

III.E.38. Identify company's policy with respect to replacing customers lost through attrition.

**RESPONSE:**

PGWs Marketing Department actively pursues all new business opportunities, including but not limited to: residential, commercial and industrial sectors. Sales Representatives are tasked with annual sales goals, achieved via the acquisition of new customers and the expansion of an existing customer's volumetric demand. The Department actively participates in trade ally organizations with the intent to understand emerging technology and leverage our peers' best practices. In addition, the department facilitates two large scale customer seminars per year where new and existing customers are presented with customer testimonials, proof of concepts, and the opportunity to network with customers whom adopted emerging natural gas technologies.

### III. BALANCE SHEET AND OPERATING STATEMENT

III.E.39. 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:**

These procedures are defined in the Rules and Regulations section of PGW's Gas Service Tariff – Pa. P.U.C. No. 2 (present and proposed versions). The present and proposed versions of PGW's Gas Service Tariff are provided in response to IV.B.6.

**IV. RATE STRUCTURE**

IV.B.1. 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.

**RESPONSE:**

Please see PGW Statement No. 5 – Constance E. Heppenstall and accompanying schedules, and PGW’s Cost of Service Study.

**IV. RATE STRUCTURE**

IV.B.2. Provide a statement of testimony describing the complete methodology of the cost of service study.

**RESPONSE:**

Please see PGW Statement No. 5 – Constance E. Heppenstall and accompanying schedules, and PGW's Cost of Service Study.



**IV. RATE STRUCTURE**

IV.B.3. Provide a complete description and back-up calculations for all allocation factors.

**RESPONSE:**

Please see PGW Statement No. 5 – Constance E. Heppenstall and accompanying schedules, and PGW's Cost of Service Study.

**IV. RATE STRUCTURE**

IV.B.4. Provide an exhibit for each customer classification showing the following data for the test year and the four previous years:

IV.B.4.a. The maximum coincident peak day demand.

IV.B.4.b. The maximum coincident 3-day peak day demand.

IV.B.4.c. The average monthly consumption in MCF during the Primary Heating Season (November-March).

IV.B.4.d. The average monthly consumption in MCF during the Non-heating season (April-October).

IV.B.4.e. The average daily consumption in MCF for each 12-month period.

**RESPONSE:**

See attached Excel worksheets.

**PEAK DAY HISTORY**

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<b><u>FISCAL YEAR</u></b>	<b><u>DATE</u></b>	<b><u>DEGREE F AVG TEMP</u></b>	<b><u>MCF SENDOUT</u></b>	<b><u>N.G.</u></b>	<b><u>L.N.G.</u></b>
2013-2014	01/07/14	13	607,062	428,819	178,243
2014-2015	02/15/15	11	645,370	495,027	150,343
2015-2016	02/13/16	16	583,377	483,750	99,627
2016-2017	01/08/17	21	528,423	451,101	77,322
2017-2018	01/06/18	13	639,043	468,042	171,001
2018-2019	01/21/19	17	611,853	411,676	200,177

### 3 DAY PEAK ANALYSIS

Winter Peak Season	Date	Average Temperature	Hi Temperature	Low Temperature	Total Sendout (mcfs)	Firm Sendout (mcfs)	Interruptible Sales Sendout (mcfs)	GTS* Sendout (mcfs)	IT Sendout (mcfs)
2014 - 2015	Feb 15	11	17	4	645,370	563,253	0	4,018	78,099
2014 - 2015	Feb 16	16	21	9	617,947	527,584	0	3,957	86,406
2014 - 2015	Feb 17	24	30	19	532,242	452,250	0	3,751	76,241
2015 - 2016	Feb 12	26	30	22	490,537	407,974	43	3,984	78,536
2015 - 2016	Feb 13	16	24	9	583,377	498,793	43	3,870	80,671
2015 - 2016	Feb 14	18	24	11	562,929	489,468	43	3,653	69,765
2016 - 2017	Jan 7	21	25	17	496,220	432,581	11	3,905	59,723
2016 - 2017	Jan 8	21	27	18	528,423	461,794	11	3,791	62,827
2016 - 2017	Jan 9	24	31	19	519,336	449,862	11	3,709	65,754
2017 - 2018	Jan 5	15	19	10	625,642	547,240	44	0	78,359
2017 - 2018	Jan 6	13	16	8	639,043	565,130	44	0	73,869
2017 - 2018	Jan 7	20	27	9	582,222	516,455	44	0	65,723
2018 - 2019	Jan 5	16	37	7	584,172	538,540	42	0	45,591
2018 - 2019	Jan 6	17	20	11	609,241	557,085	42	0	52,115
2018 - 2019	Jan 7	18	25	15	586,904	526,275	42	0	60,588

\* Excludes Grays Ferry & Trigen

c. The average monthly consumption in MCF during the primary heating season (November-March).

Rate Class	Rate Class Name	Ave. Monthly Cons. (MCF) Nov. to March Testyear 2021 3431 DEG DAYS	Ave. Monthly Cons. (MCF) Nov. to March Budget Yr 19-20 3421 DEG DAYS	Ave. Monthly Cons. (MCF) Nov. to March Budget Yr 18-19 3414 DEG DAYS	Ave. Monthly Cons. (MCF) Nov. to March Budget Yr 17-18 3448 DEG DAYS	Ave. Monthly Cons. (MCF) Nov. to March Budget Yr 16-17 3603 DEG DAYS
RC-1	Residential Non-Heat	41,877	45,822	48,353	47,674	59,155
	Residential Non-Heat-AC	-	0	-	-	-
RC-2	Residential Heat	4,937,982	5,306,400	5,420,956	5,148,768	5,428,638
	Residential Heat-AC	-	-	-	-	-
RC-3	PHA GS Heat	26,862	27,054	28,628	28,091	26,925
RC-4	Commercial Non-Heat	104,366	101,958	102,140	95,309	123,697
	Commercial Non-Heat-AC	-	-	-	-	-
RC-5	Commercial Heat	840,413	866,268	857,226	861,808	870,705
	Commercial Heat-AC	-	-	-	-	-
RC-6	Industrial Non-Heat	12,368	15,218	15,668	14,135	14,907
RC-7	Industrial Heat	50,944	54,285	57,274	45,214	45,969
RC-8	Municipal Non-Heat	14,188	16,420	14,858	14,554	20,067
	Municipal Non-Heat-AC	-	-	-	-	-
RC-9	Municipal Heat	72,297	79,181	81,761	78,120	77,114
	Municipal Heat-AC	-	-	-	-	-
RC-10	Housing Auth Non-Heat	-	-	-	-	-
RC-11	Housing Auth Heat	6,882	6,926	6,266	5,852	6,052
RC-12	BPS Small	-	-	-	-	-
RC-13	BPS Large	-	-	-	-	-
RC-14	BPS A/C	-	-	-	-	-
RC-15	LBS Small	-	-	-	-	-
RC-16	LBS Large-Indirect	-	-	-	-	-
RC-17	LBS Large-Direct	-	-	-	-	-
RC-18	LBS XLarge-Indirect	-	-	-	-	-
RC-19	LBS XLarge-Direct	-	-	-	-	-
RC-20	LNG Sales	4,137	-	5,461	54,608	82,740
RC-21	Co-Gen Indirect	1,042	41,370	5,587	591	1,383
RC-22	GTS Sales	-	-	-	-	-
RC-23	NGV Firm	67	134	123	142	146
	<b>Total</b>	<b>6,113,423</b>	<b>6,561,035</b>	<b>6,644,300</b>	<b>6,394,867</b>	<b>6,757,497</b>
<b>FIRM TRANSPORT NON HEATING</b>						
	RESIDENTIAL	3,575	1,941	304	192	57,485
	COMMERCIAL	61,580	57,912	57,724	61,615	18,912
	INDUSTRIAL	17,387	16,286	19,021	19,275	8,558
	MUNICIPAL	9,184	6,826	7,745	8,426	353
	NGV	-	107	617	484	-
	<b>TOTAL FT NON-HEATING</b>	<b>91,725</b>	<b>83,072</b>	<b>85,410</b>	<b>89,992</b>	<b>85,308</b>

d. The average monthly consumption in MCF during the non-heating season (April-October).

Rate Class	Rate Class Name	Ave.Monthly Cons. (MCF) Sept-Oct & April to August Testyear 20-21 531DEG DAYS	Ave.Monthly Cons. (MCF) Sept-Oct & April to August Budget Yr 19-20 535 DEG DAYS	Ave.Monthly Cons. (MCF) Sept-Oct & April to August Budget Yr 18-19 543 DEG DAYS	Ave.Monthly Cons. (MCF) Sept-Oct & April to August Budget Yr 17-18 563 DEG DAYS	Ave.Monthly Cons. (MCF) Sept-Oct & April to August Budget Yr 16-17 634 DEG DAYS
RC-1	Residential Non-Heat	15,971	18,025	19,228	20,190	24,270
RC-2	Residential Non-Heat-AC	-	0	-	-	-
RC-2	Residential Heat	1,165,201	1,246,817	1,275,327	1,227,013	1,309,565
RC-3	Residential Heat-AC	-	-	-	-	-
RC-3	PHA GS	6,195	6,276	6,443	6,286	6,230
RC-4	Commercial Non-Heat	67,288	58,197	57,107	50,359	62,497
RC-5	Commercial Non-Heat-AC	7	6	1,013	-	709
RC-5	Commercial Heat	254,753	260,412	251,428	251,105	259,885
RC-5	Commercial Heat-AC	-	-	-	741	-
RC-6	Industrial Non-Heat	4,569	6,061	5,876	4,512	4,594
RC-7	Industrial Heat	13,423	15,025	11,190	10,392	9,777
RC-8	Municipal Non-Heat	4,247	4,711	4,588	3,784	4,930
RC-8	Municipal Non-Heat-AC	88	447	272	354	243
RC-9	Municipal Heat	13,753	14,772	14,858	15,029	15,026
RC-9	Municipal Heat-AC	-	-	-	-	-
RC-10	Housing Auth Non-Heat	-	-	-	-	-
RC-11	Housing Auth Heat	1,459	1,448	1,332	1,473	2,381
RC-12	BPS Small	-	-	-	-	-
RC-13	BPS Large	-	-	-	-	-
RC-14	BPS A/C	-	-	-	-	-
RC-15	LBS Small	-	-	-	-	-
RC-16	LBS Large-Indirect	-	-	-	-	-
RC-17	LBS Large-Direct	-	-	-	-	-
RC-18	LBS XLarge-Indirect	-	-	-	-	-
RC-19	LBS XLarge-Direct	-	-	-	-	-
RC-20	LNG Sales	4,188	-	5,528	55,280	83,757
RC-21	Co-Gen Indirect	1,055	41,879	5,656	599	1,400
RC-22	GTS Sales	-	-	-	-	-
RC-23	NGV Firm	67	135	125	144	148
	<b>Total</b>	<b>1,552,265</b>	<b>1,674,211</b>	<b>1,659,971</b>	<b>1,647,261</b>	<b>1,785,413</b>

**FIRM TRANSPORT NON HEATING**

RESIDENTIAL	1,231	632	110	69	-
COMMERCIAL	32,522	30,113	30,363	28,999	29,453

e. The average daily consumption in MCF for each 12-month period.

Rate Class	Rate Class Name	Ave. Daily Cons. (MCF) Testyear 20-21 3962 DEG DAYS	Ave. Daily Cons. (MCF) Yr 19-20 3956 DEG DAYS	Ave. Daily Cons. (MCF) Budget Yr 18-19 3957 DEG DAYS	Ave. Daily Cons. (MCF) Budget Yr 17-18 4011 DEG DAYS	Ave. Daily Cons. (MCF) Budget Yr 16-17 4237 DEG DAYS
RC-1	Residential Non-Heat	158	175	185	186	229
	Residential Non-Heat-AC	-	0	-	-	-
RC-2	Residential Heat	16,721	17,954	18,296	17,468	18,461
	Residential Heat-AC	-	-	-	-	-
RC-3	PHA GS	91	91	96	94	91
RC-4	Commercial Non-Heat	470	439	435	399	510
	Commercial Non-Heat-AC	0	0	3	-	2
RC-5	Commercial Heat	3,000	3,087	3,029	3,049	3,098
	Commercial Heat-AC	-	-	-	2	-
RC-6	Industrial Non-Heat	46	58	59	51	53
RC-7	Industrial Heat	176	190	187	152	153
RC-8	Municipal Non-Heat	51	58	53	50	68
	Municipal Non-Heat-AC	0	1	1	1	1
RC-9	Municipal Heat	236	257	264	255	252
	Municipal Heat-AC	-	-	-	-	-
RC-10	Housing Auth Non-Heat	-	-	-	-	-
RC-11	Housing Auth Heat	23	23	21	20	23
RC-12	BPS Small	-	-	-	-	-
RC-13	BPS Large	-	-	-	-	-
RC-14	BPS A/C	-	-	-	-	-
RC-15	LBS Small	-	-	-	-	-
RC-16	LBS Large-Indirect	-	-	-	-	-
RC-17	LBS Large-Direct	-	-	-	-	-
RC-18	LBS XLarge-Indirect	-	-	-	-	-
RC-19	LBS XLarge-Direct	11	-	15	150	227
RC-20	LNG Sales	11	-	15	151	229
RC-21	Co-Gen Indirect	6	228	31	3	8
RC-22	GTS Sales	-	-	-	-	-
RC-23	NGV Firm	0	1	1	1	1
	<b>Total</b>	<b>21,002</b>	<b>22,562</b>	<b>22,689</b>	<b>22,033</b>	<b>23,405</b>

**FIRM TRANSPORT NON HEATING**

RESIDENTIAL	13	7	1	1	1	157
COMMERCIAL	258	241	241	248	248	133

**IV. RATE STRUCTURE**

IV.B.5. 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:**

PGW's present rate schedule does not have block rates and PGW's proposed rates do not incorporate block rates.



**IV. RATE STRUCTURE**

IV.B.6. Supply copies of all present and proposed Gas Tariffs.

**RESPONSE:**

Copies of all present and proposed Gas Tariffs are provided in Volume 3 of this filing.

**IV. RATE STRUCTURE**

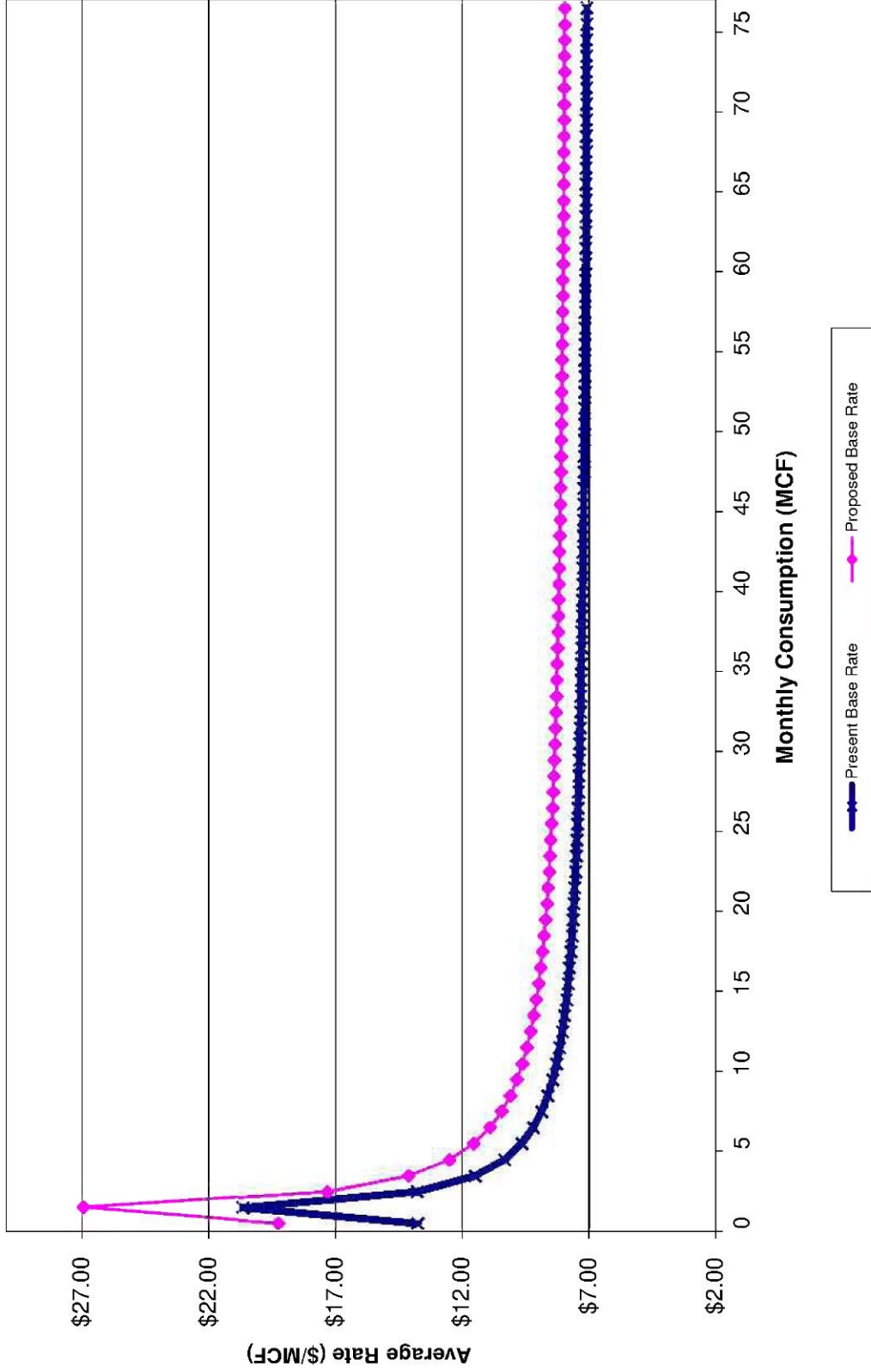
IV.B.7. Supply a graph of present and proposed base rates on hyperbolic cross section paper.

**RESPONSE:**

See the attached graphs.

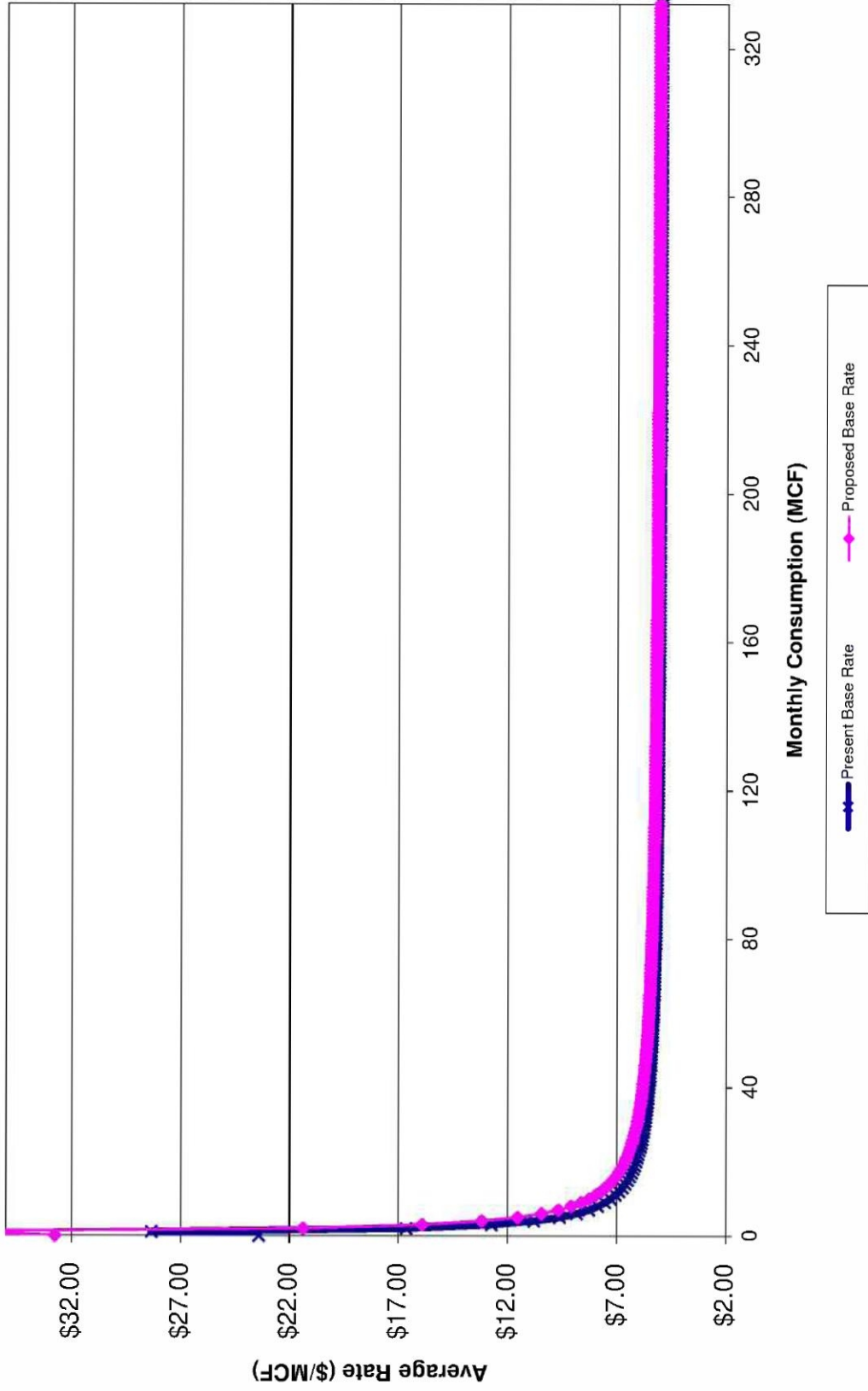
# PHILADELPHIA GAS WORKS PRESENT AND PROPOSED RATES

## RESIDENTIAL UNIT COST



# PHILADELPHIA GAS WORKS PRESENT AND PROPOSED RATES

## COMMERCIAL UNIT COST

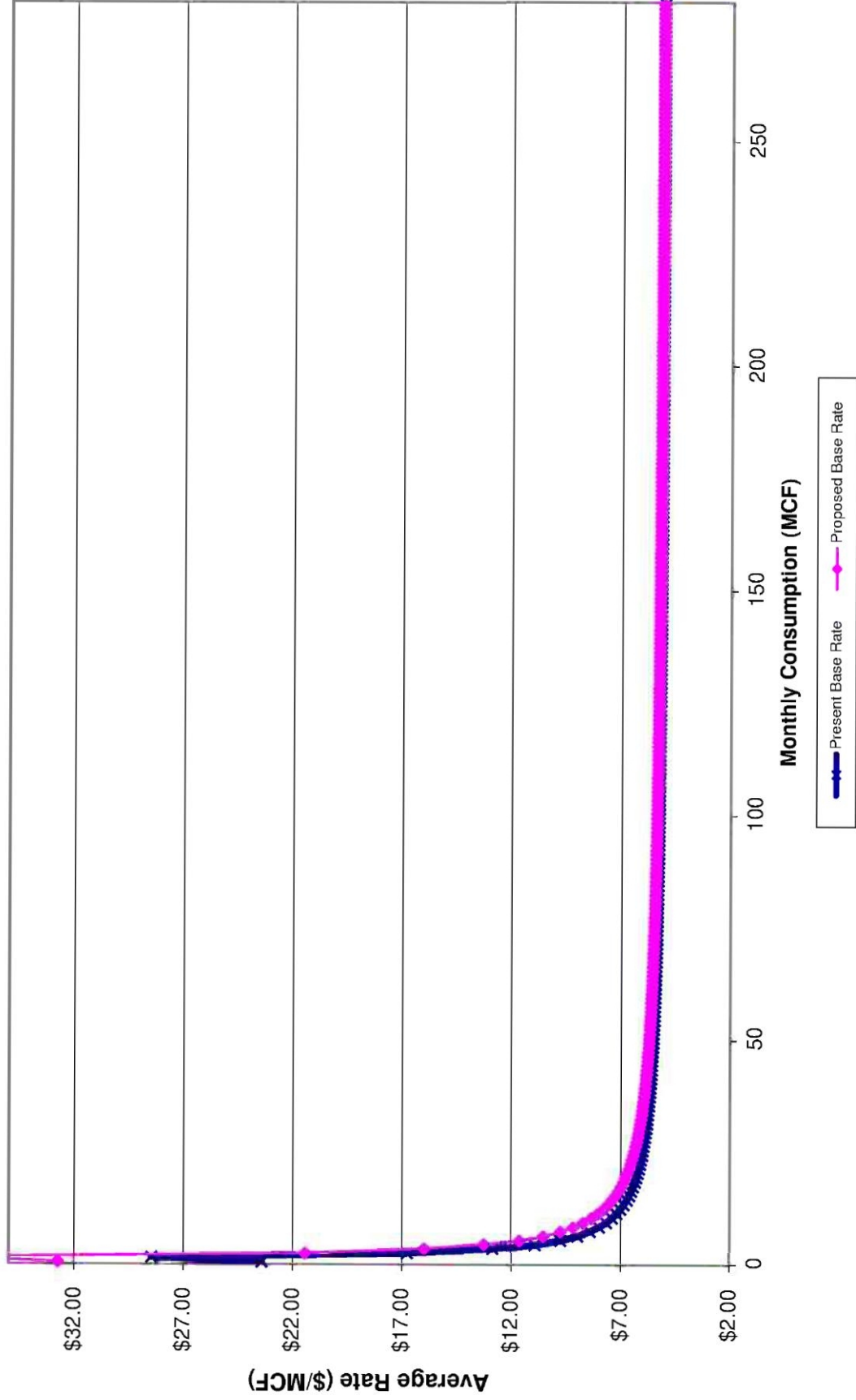


# PHILADELPHIA GAS WORKS PRESENT AND PROPOSED RATES



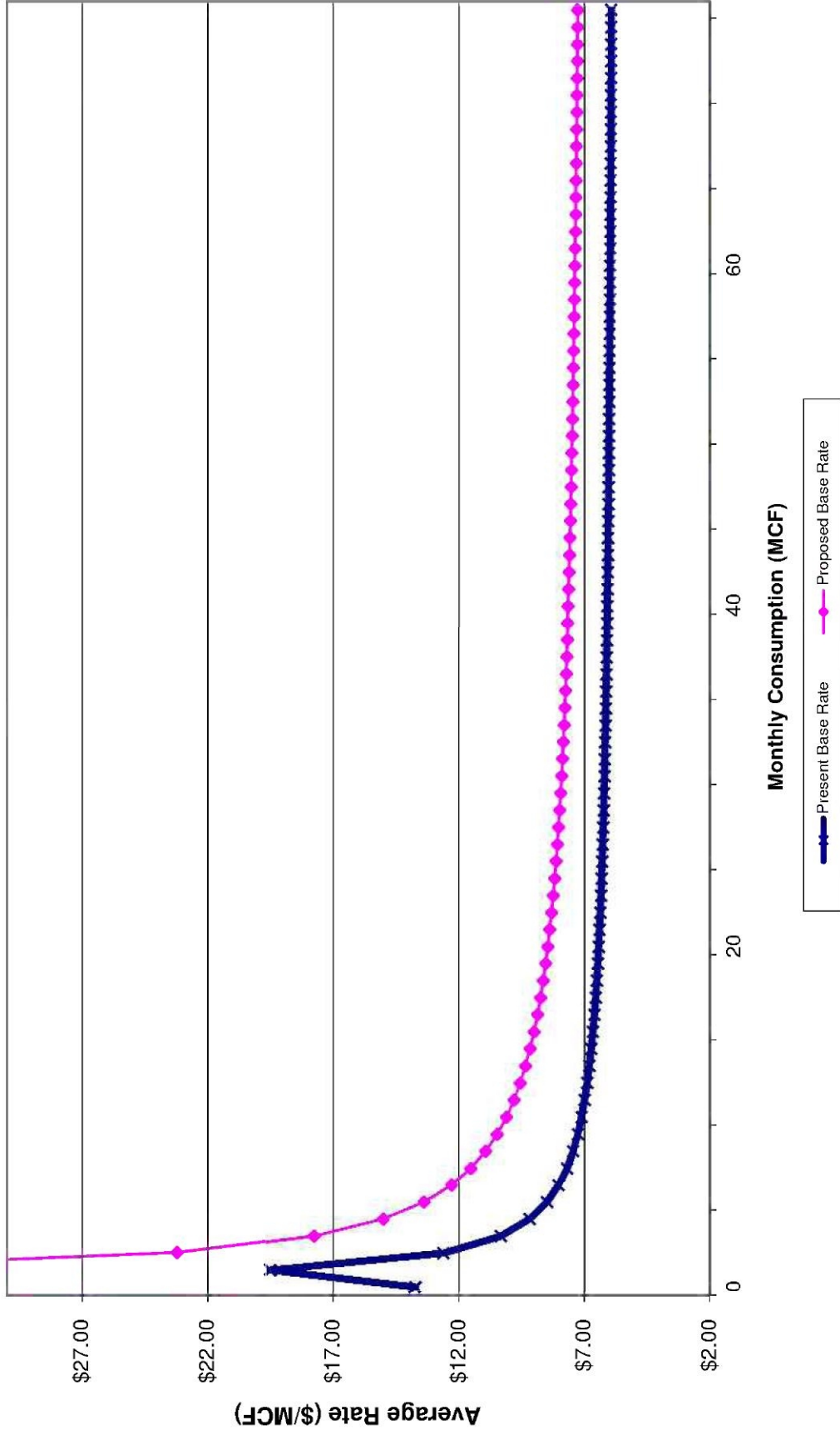
# PHILADELPHIA GAS WORKS PRESENT AND PROPOSED RATES

## PHA UNIT COST



# PHILADELPHIA GAS WORKS PRESENT AND PROPOSED RATES

## PHA/GS UNIT COST



#### **IV. RATE STRUCTURE**

IV.B.8. 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:**

Following industry practice, as well as PUC and federal policy guidelines regarding the security of information related to energy facilities (see, e.g. the Commission's Workplace Security Survey, Docket No. M-00021590), PGW has not included maps in this filing. Any party to the proceeding requiring access to maps will be afforded the opportunity upon request and a determination of need, subject to the provisions of a Confidentiality Agreement to be entered into between such party and the Company pursuant to a Protective Order.



**IV. RATE STRUCTURE**

IV.B.9. Supply a cost analysis supporting minimum charges for all rate schedules.

**RESPONSE:**

Please see PGW Statement No. 5 – Constance E. Heppenstall and accompanying schedules, and PGW’s Cost of Service Study.

**IV. RATE STRUCTURE**

IV.B.10. Supply a cost analysis supporting demand charges for all tariffs which contain demand charges.

**RESPONSE:**

Please see PGW Statement No. 5 – Constance E. Heppenstall and accompanying schedules, and PGW's Cost of Service Study.

**IV. RATE STRUCTURE**

IV.B.11. Supply the net fuel clause adjustment by month for the test year.

**RESPONSE:**

There is not a monthly fuel clause adjustment for the test year as the GCR is constant in the test year.

**IV. RATE STRUCTURE**

IV.B.12. 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:**

See attached.

**FY 2021 Base Rate Filing**  
**Typical Monthly Bill**

February 29, 2020

September 1, 2021

IV.B.12.

Residential Heating

Unit Costs	Annual		Current Rates		Rate Change Update	Change In Annual Bill	Change In Rate
	Usage/Months	Unit					
Commodity Charge	75	Mcf	\$ 4.8931		\$ 4.9885		\$ 0.0954
Gas Cost Adjustment	75	Mcf	\$ 0.0418		\$ 0.0418		\$ -
Distribution Charge	75	Mcf	\$ 8.0219		\$ 8.7145		\$ 0.6926
Customer Charge	12	Months	\$ 13.75		\$ 19.25		\$ 5.50
DSIC		Percentage	7.50%		7.50%		\$ -
<b>Annual Bill/Effect on Annual Bill</b>			<b>\$ 1,194.26</b>		<b>\$ 1,328.20</b>	<b>\$ 133.95</b>	<b>11.2%</b>
<b>Effect on Average Monthly Bill</b>						<b>\$ 11.16</b>	

Commercial Heating

Unit Costs	Annual		Current Rates		Rate Change Update	Change In Annual Bill	Change In Rate
	Usage/Months	Unit					
Commodity Charge	342	Mcf	\$ 4.7449		\$ 4.7569		\$ 0.0120
Gas Cost Adjustment	342	Mcf	\$ 0.0418		\$ 0.0418		\$ -
Distribution Charge	342	Mcf	\$ 6.2127		\$ 6.2510		\$ 0.0383
Customer Charge	12	Months	\$ 23.40		\$ 32.75		\$ 9.35
DSIC		Percentage	7.50%		7.50%		\$ -
<b>Annual Bill/Effect on Annual Bill</b>			<b>\$ 4,223.01</b>		<b>\$ 4,361.81</b>	<b>\$ 138.80</b>	<b>3.3%</b>
<b>Effect on Average Monthly Bill</b>						<b>\$ 11.57</b>	

Industrial Heating

Unit Costs	Annual		Current Rates		Rate Change Update	Change In Annual Bill	Change In Rate
	Usage/Months	Unit					
Commodity Charge	956	Mcf	\$ 4.7341		\$ 4.7348		\$ 0.0007
Gas Cost Adjustment	956	Mcf	\$ 0.0418		\$ 0.0418		\$ -
Distribution Charge	956	Mcf	\$ 6.0617		\$ 6.0762		\$ 0.0145
Customer Charge	12	Months	\$ 70.00		\$ 98		\$ 28.00
DSIC		Percentage	7.50%		7.50%		0.00%
<b>Annual Bill/Effect on Annual Bill</b>			<b>\$ 11,698.37</b>		<b>\$ 12,075.14</b>	<b>\$ 376.77</b>	<b>3.2%</b>
<b>Effect on Average Monthly Bill</b>						<b>\$ 31.40</b>	

PHA Heating

Unit Costs	Annual		Current Rates		Rate Change Update	Change In Annual Bill	Change In Rate
	Usage/Months	Unit					
Commodity Charge	206	Mcf	\$ 4.7157		\$ 4.7157		\$ -
Gas Cost Adjustment	206	Mcf	\$ 0.0418		\$ 0.0418		\$ -
Distribution Charge	206	Mcf	\$ 6.3639		\$ 6.3639		\$ -
Customer Charge	12	Months	\$ 23.40		\$ 32.75		\$ 9.35
DSIC		Percentage	7.50%		7.50%		\$ -
<b>Annual Bill/Effect on Annual Bill</b>			<b>\$ 2,691.19</b>		<b>\$ 2,811.81</b>	<b>\$ 120.62</b>	<b>4.5%</b>
<b>Effect on Average Monthly Bill</b>						<b>\$ 10.05</b>	

PHA/GS Heating

Unit Costs	Annual		Current Rates		Rate Change Update	Change In Annual Bill	Change In Rate
	Usage/Months	Unit					
Commodity Charge	89	Mcf	\$ 4.7157		\$ 5.0583		\$ 0.3426
Gas Cost Adjustment	89	Mcf	\$ 0.0418		\$ 0.0418		\$ -
Distribution Charge	89	Mcf	\$ 7.0357		\$ 7.8739		\$ 0.8382
Customer Charge	12	Months	\$ 13.7500		\$ 19.25		\$ 5.50
DSIC		Percentage	7.50%		7.50%		\$ -
<b>Annual Bill/Effect on Annual Bill</b>			<b>\$ 1,273.93</b>		<b>\$ 1,455.57</b>	<b>\$ 181.64</b>	<b>14.3%</b>
<b>Effect on Average Monthly Bill</b>						<b>\$ 15.14</b>	

Municipal Heating

Unit Costs	Annual		Current Rates		Rate Change Update	Change In Annual Bill	Change In Rate
	Usage/Months	Unit					
Commodity Charge	1,138	Mcf	\$ 4.7157		\$ 4.7157		\$ -
Gas Cost Adjustment	1,138	Mcf	\$ 0.0418		\$ 0.0418		\$ -
Distribution Charge	1,138	Mcf	\$ 5.5954		\$ 6.3384		\$ 0.7430
Customer Charge	12	Months	\$ 23.40		\$ 32.75		\$ 9.35
DSIC		Percentage	7.50%		7.50%		\$ -
<b>Annual Bill/Effect on Annual Bill</b>			<b>\$ 12,561.03</b>		<b>\$ 13,590.59</b>	<b>\$ 1,029.56</b>	<b>8.2%</b>
<b>Effect on Average Monthly Bill</b>						<b>\$ 85.80</b>	

**IV. RATE STRUCTURE**

IV.B.13. Submit the projected demands for all customer classes for both purchased and produced gas for the three years following the test year filing.

**RESPONSE:**

See attached schedule.

Exh A - IV.B-13

	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
Degree Day	3,962	3,962	3,962	3,962	3,962
<b><u>NON-HEATING</u></b>					
RESIDENTIAL	288,996	242,112	195,235	148,414	101,463
RESIDENTIAL AC	-	-	-	-	-
CRP	32,185	34,255	36,320	38,394	40,444
COMMERCIAL	992,846	989,367	985,887	982,489	978,928
COMMERCIAL-AC	52	52	52	52	52
INDUSTRIAL	93,822	92,029	89,289	87,513	84,755
MUNICIPAL	100,668	100,668	100,668	100,703	100,668
MUNICIPAL-AC	618	618	618	618	618
NGV FIRM	804	804	804	804	804
TOTAL FIRM NON-HEATING	1,509,991	1,459,906	1,408,873	1,358,987	1,307,733
<b><u>INTERRUPTIBLE</u></b>					
LNG SALES	50,000	50,000	50,000	50,000	50,000
COGEN	12,593	12,593	12,593	12,593	12,593
GTS SALES	-	-	-	-	-
NGV	-	-	-	-	-
TOTAL INTERRUPTIBLE	62,593	62,593	62,593	62,593	62,593
TOTAL NON-HEATING	1,572,584	1,522,498	1,471,465	1,421,580	1,370,325
<b><u>HEATING</u></b>					
RESIDENTIAL	26,626,949	26,201,575	25,776,115	25,390,617	24,925,459
RESIDENTIAL-AC	-	-	-	-	-
CRP	6,219,372	6,596,974	6,974,930	7,375,049	7,734,019
HOUSING AUTHORITY-GS	177,673	177,673	177,673	177,732	177,673
COMMERCIAL	5,985,337	5,917,563	5,850,667	5,808,337	5,721,192
COMMERCIAL-AC	-	-	-	-	-
INDUSTRIAL	348,681	336,946	325,257	314,015	301,800
MUNICIPAL	457,754	457,754	457,754	457,968	457,754
PHA	44,625	44,625	44,625	44,638	44,625
TOTAL HEATING	39,860,392	39,733,110	39,607,022	39,568,355	39,362,523
TOTAL FIRM HTG & NON-HTG	41,432,976	41,255,608	41,078,487	40,989,935	40,732,848
GAS SALES	41,432,976	41,255,608	41,078,487	40,989,935	40,732,848

Exh A - IV.B-13

	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
Degree Day	3,962	3,962	3,962	3,962	3,962
<b><u>FIRM TRANSPORT NON HEATING</u></b>					
RESIDENTIAL	26,494	26,494	26,493	26,452	26,406
COMMERCIAL	535,552	539,032	542,512	546,052	549,464
INDUSTRIAL	155,221	157,014	159,755	159,749	163,862
MUNICIPAL	67,507	67,507	67,507	67,529	67,507
NGV	-	-	-	-	-
TOTAL FT NON-HEATING	784,774	790,047	796,267	799,782	807,239
<b><u>FIRM TRANSPORT HEATING</u></b>					
RESIDENTIAL	1,512,871	1,512,872	1,512,884	1,512,418	1,511,015
COMMERCIAL	3,259,300	3,306,665	3,354,032	3,401,591	3,447,574
INDUSTRIAL	273,586	284,434	295,281	306,093	316,770
MUNICIPAL	375,187	375,187	375,187	375,384	375,187
HOUSING AUTHORITY	409,661	409,661	409,661	409,764	409,661
TOTAL FT HEATING	5,830,606	5,888,820	5,947,046	6,005,250	6,060,207
TOTAL FIRM TRANSPORT	6,615,379	6,678,867	6,743,312	6,805,032	6,867,446
TOTAL SALES & FIRM TRANSPORT	48,048,355	47,934,475	47,821,799	47,794,967	47,600,295
GTS TRANSPORT	27,072,417	27,072,417	27,072,417	27,098,054	27,072,417
TOTAL SALES & ALL TRANSPORT	75,120,773	75,006,893	74,894,217	74,893,021	74,672,712



#### **IV. RATE STRUCTURE**

IV.B.14. 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:**

See attached schedule.

**Gas Deliveries**

	<b><u>Fiscal 2018</u></b>	<b><u>Fiscal 2019</u></b>
<b>NON-HEATING:</b>		
Residential	435,388	428,161
Residential - A/C	-	0
Commercial	931,086	972,087
Commercial - A/C	1,731	52
Industrial	119,346	113,585
Municipal	100,824	102,697
Municipal - A/C	2,498	1,292
NGV Firm	<u>1,585</u>	<u>917</u>
<b>Total Firm Non-heating</b>	<b>1,592,458</b>	<b>1,618,791</b>
<b>Interruptible-Commercial &amp; Industrial</b>		
BPS -S indirect	0	0
3 Party Sale	0	189,930
BPS -H indirect	0	0
NGV Stations	0	0
LBS-XL indirect	0	0
LBS-L direct	0	0
LBS-L indirect	0	0
LBS-S indirect	0	0
CG-indirect	30,991	12,594
GTS - retail sales	0	
GTS - Imbalance Sales	<u>0</u>	<u>0</u>
LNG	134,817	2,428
<b>Sub total Interruptible</b>	<b><u>165,808</u></b>	<b><u>204,952</u></b>
<b>TOTAL NON-HEATING</b>	<b>1,758,266</b>	<b>1,823,743</b>
<b>Heating:</b>		
Residential	35,731,889	34,372,649
Residential - A/C		
Commercial	6,263,886	6,298,061
Commercial - A/C		
Industrial	356,713	394,430
Municipal	521,368	486,216
Municipal - A/C		
Housing Authority	<u>51,882</u>	<u>52,001</u>
<b>Total Heating</b>	<b>42,925,738</b>	<b>41,603,356</b>

**Gas Deliveries**

	<b><u>Fiscal 2018</u></b>	<b><u>Fiscal 2019</u></b>
<b>FT Non-heating:</b>		
<b>FT Residential</b>	2,531	18,605
<b>FT Commercial</b>	440,660	474,991
<b>FT Industrial</b>	155,093	146,794
<b>FT Municipal</b>	63,517	67,927
<b>FT NGV</b>	<u>2,895</u>	<u>3</u>
<b>Sub-total FT Non Heat</b>	664,696	708,321
<b>FT Heating:</b>		
<b>FT Residential</b>	128,423	1,096,214
<b>FT Commercial</b>	3,037,102	3,099,896
<b>FT Industrial</b>	258,931	242,809
<b>FT Municipal</b>	347,789	368,786
<b>FT Housing Authority</b>	470,012	455,179
<b>Sub-total FT heating</b>	4,242,257	5,262,884
<b>Total Firm Transportation</b>	4,906,953	5,971,205
<b>Unbilled adjustment</b>	521,488	27,810
<b>(+) Utility Use</b>	263,681	261,766
<b>Gas transportation</b>	25,759,856	26,994,220
<b>Total Delivered</b>	76,135,982	76,682,100
<b>Unaccounted for</b>	<u>1,351,894</u>	<u>1,667,421</u>
<b>Total Delivered</b>	77,487,876	78,349,521

**Gas Sources**

<b>Storage Withdrawals</b>	12,384,772	10,634,291
<b>LNG Vaporization</b>	1,359,981	846,501
<b>Gas Transport</b>	26,193,921	27,407,681
<b>Pipeline</b>	<u>37,549,202</u>	<u>39,461,048</u>
<b>TOTAL SOURCES</b>	77,487,876	78,349,521

**52 Pa. Code § 53.62**

**§ 53.62. Additional information to be filed by gas utilities with gross annual intrastate operating revenues 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:**

PGW hereby incorporates by reference its 2018-2019 1307(f) case, Docket No. R-2018-2645938, comprised of its exhibits and testimony filed on February 1, 2018, and March 1, 2018, with rates effective through August 2019.

PGW hereby incorporates by reference its 2019-2020 1307(f) case, Docket No. Docket R-2019-3007636, comprised of its exhibits and testimony filed on February 1, 2019, and March 1, 2019, with rates effective through August 2020.

PGW hereby incorporates by reference its 2020-2021 1307(f) case, Docket No. R-2020-3017934, comprised of its exhibits and testimony filed on February 1, 2020, and (to be filed on) March 1, 2020, with rates to be effective from September 1, 2020, through August 31, 2021.

Copies of the filings can be provided upon request.

Additionally, attached are the most recent quarterly 1307(f) and DSIC filings:

- 1307(f) Quarter Filing – December 1, 2019
- DSIC Quarterly Filing – January 1, 2020

**ECKERT  
SEAMANS**  
ATTORNEYS AT LAW

Deanne M. O'Dell  
717.255.3744  
dodell@eckertseamans.com

November 27, 2019

**Via Hand Delivery**

Rosemary Chiavetta, Secretary  
PA Public Utility Commission  
P.O. Box 3265  
Harrisburg, PA 17105-3265

Re: Pa. PUC v. Philadelphia Gas Works (4<sup>th</sup> Quarter 2018-2019 GCR Filing)  
R-2019-3007636; and

Dear Secretary Chiavetta:

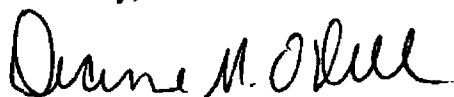
Enclosed please find the following tariff supplements and supporting schedules:

- 1) PGW Gas Service Tariff, Pa. P.U.C. No. 2 Supplement No. 125;
- 2) PGW Gas Supplier Tariff, Pa. P.U.C. No. 1, Supplement No. 84.

These supplements are being filed to implement PGW's 1st Quarter 2019-2020 Gas Cost Rate ("GCR") with the Commission's Order entered August 8, 2019 at Docket No. R-2019-3007636 approving PGW's 2019-2020 GCR. The tariff supplements are to become effective on December 1, 2019.

The tariff supplements and supporting schedules are also included in the attached CD.

Sincerely,



Deanne M. O'Dell  
DMO/lww  
Enclosure

cc: Cert. of Service w/enc.  
Raquel Guzman, PGW w/enc.  
Marissa Boyle w/enc. (maboyle@pa.gov)

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**CERTIFICATE OF SERVICE**

I hereby certify that this day I served a copy of PGW's Tariff Supplements upon the persons listed below in the manner indicated in accordance with the requirements of 52 Pa. Code Section 1.54.

**Via First Class Mail and/or Email Only**

Gina Miller, Esq.  
Bureau of Investigation and Enforcement  
PA Public Utility Commission  
Commonwealth Keystone Building  
PO Box 3265  
400 North Street, 2nd Floor West  
Harrisburg, PA 17105-3265  
[ginmiller@pa.gov](mailto:ginmiller@pa.gov)

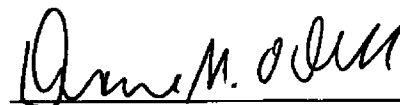
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Christy Appleby, Esq.  
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[abakare@mcneeslaw.com](mailto:abakare@mcneeslaw.com)



Deanne M. O'Dell, Esq.

Dated: November 27, 2019

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**PGW**  
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**Pa. P.U.C. No. 1**  
  
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Supplement No. 84 to  
Gas Supplier Tariff – Pa P.U.C. No. 1  
Eighty Fourth Revised Page No. 1  
Canceling Eighty Third Revised Page No. 1

**PHILADELPHIA GAS WORKS**

---

## **PHILADELPHIA GAS WORKS**

### **GAS SUPPLIER TARIFF**



Issued by: Craig White  
President and CEO  
PHILADELPHIA GAS WORKS  
800 West Montgomery Avenue  
Philadelphia, PA 19122



Supplement No. 84 to  
Gas Supplier Tariff – Pa P.U.C. No. 1  
Eighty Fourth Revised Page No. 2  
Canceling Eighty Third Revised Page No. 2

**PHILADELPHIA GAS WORKS**

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**List of Changes Made by this Tariff**

**TABLE OF CONTENTS (Page No. 6)**

Updated to reflect revised page numbers.

**9.14. LOAD BALANCING CHARGE, 9.14.A. (Page No. 39)**

The load balancing charge effective December 1, 2019, is \$55.4246 per design day Mcf.

**PHILADELPHIA GAS WORKS**

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13. Supplier Exit Procedures _____	First Revised 52
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**9.14. LOAD BALANCING CHARGE.**

**9.14.A.** Suppliers for all gas delivered under Firm Transportation Rates, of this Suppliers Tariff shall be charged at \$55.4246 per design day Mcf that is fulfilled by PGW storage and peaking assets, for recovery of those costs for Balancing Service, calculated in the manner set forth in the Commission's Order at M-00021612 (entered March 31, 2003) and as set forth below. Such rate for Balancing Service shall be increased or decreased, from time to time, in accordance with applicable law and procedures. (D)

**9.14.B. Computation of Balancing Service Costs per Dth.**

**9.14.B.1. Formula.** Balancing Service Costs, per design day Mcf, that is fulfilled by PGW storage and peaking assets, shall be computed to the nearest one-hundredth cent (\$0.0001) in accordance with the formula set forth below:

$$\text{BSC} = (C / S_1) - (E / S_2)$$

Projected Balancing Service Costs, so computed, shall be charged to Suppliers of Firm Transportation Rates per Customer per design day Mcf that is fulfilled by PGW storage and peaking assets, for an enrollment month. The amount of those costs, per Mcf, will vary, if appropriate, based upon annual filings by the Company pursuant to Section 1307(f) of the Public Utility Code and such supplemental filings as may be required or be appropriate under Section 1307(f) or the PUC's regulations adopted pursuant thereto.

**9.14.B.2. Definitions.** In computing the Balancing Service Costs, per Dth, pursuant to the formula above, the following definitions shall apply:

"BSC" - Balancing Service Costs determined to the nearest one-hundredth cent (\$0.0001) to be charged to each design day Mcf that is fulfilled by PGW storage and peaking assets, under Rate Schedule Firm.

"C" - Cost in dollars: for all types of storage and related services, the fixed and variable costs for the projected period when rates will be in effect.

"E" - the net overcollection or undercollection of Balancing Service Costs. The net overcollection or undercollection shall be determined for the most recent period permitted under law, which shall begin with the month following the last month which was included in the previous overcollection or undercollection calculation reflected in rates. The annual filing date shall be the date specified by the PUC for the Company's Section 1307(f) Tariff filing.

Each overcollection or undercollection statement shall also provide for refund or recovery of amounts necessary to adjust for overrecovery or underrecovery of "E" factor amounts under the previous Balancing Service Costs Rate. Interest shall be computed monthly at the rate as provided for in Section 1307(f) of the Public Utility Code from the month that the overcollection or undercollection occurs to the effective month such overcollection is refunded or undercollection is recouped. Such over billings (or under billings) will be made with interest at the statutory rate.

"S<sub>1</sub>" – projected Mcf of storage gas/LNG to be delivered to Customers to meet design day needs during the projected period when rates will be in effect.

"S<sub>2</sub>" – forecasted Mcf of load balancing volumes during the projected period when rates will be in effect.

**(D) – Decrease**

**PGW**  
**Gas Supplier Tariff**  
**Pa. P.U.C. No. 1**

**Supplement No. 84**

Supplement No. 84 to  
Gas Supplier Tariff – Pa P.U.C. No. 1  
Eighty Fourth Revised Page No. 1  
Canceling Eighty Third Revised Page No. 1

**PHILADELPHIA GAS WORKS**

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# **PHILADELPHIA GAS WORKS**

## **GAS SUPPLIER TARIFF**



Issued by: Craig White  
President and CEO  
PHILADELPHIA GAS WORKS  
800 West Montgomery Avenue  
Philadelphia, PA 19122

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Gas Supplier Tariff – Pa P.U.C. No. 1  
Eighty Fourth Revised Page No. 2  
Canceling Eighty Third Revised Page No. 2

**PHILADELPHIA GAS WORKS**

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**List of Changes Made by this Tariff**

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**PHILADELPHIA GAS WORKS**

**9.14. LOAD BALANCING CHARGE.**

**9.14.A.** Suppliers for all gas delivered under Firm Transportation Rates, of this Suppliers Tariff shall be charged at \$55.4246 per design day Mcf that is fulfilled by PGW storage and peaking assets, for recovery of those costs for Balancing Service, calculated in the manner set forth in the Commission's Order at M-00021612 (entered March 31, 2003) and as set forth below. Such rate for Balancing Service shall be increased or decreased, from time to time, in accordance with applicable law and procedures. **(D)**

**9.14.B. Computation of Balancing Service Costs per Dth.**

**9.14.B.1.** Formula. Balancing Service Costs, per design day Mcf, that is fulfilled by PGW storage and peaking assets, shall be computed to the nearest one-hundredth cent (\$0.0001) in accordance with the formula set forth below:

$$\text{BSC} = (C / S_1) - (E / S_2)$$

Projected Balancing Service Costs, so computed, shall be charged to Suppliers of Firm Transportation Rates per Customer per design day Mcf that is fulfilled by PGW storage and peaking assets, for an enrollment month. The amount of those costs, per Mcf, will vary, if appropriate, based upon annual filings by the Company pursuant to Section 1307(f) of the Public Utility Code and such supplemental filings as may be required or be appropriate under Section 1307(f) or the PUC's regulations adopted pursuant thereto.

**9.14.B.2.** Definitions. In computing the Balancing Service Costs, per Dth, pursuant to the formula above, the following definitions shall apply:

"BSC" - Balancing Service Costs determined to the nearest one-hundredth cent (\$0.0001) to be charged to each design day Mcf that is fulfilled by PGW storage and peaking assets, under Rate Schedule Firm.

"C" - Cost in dollars: for all types of storage and related services, the fixed and variable costs for the projected period when rates will be in effect.

"E" - the net overcollection or undercollection of Balancing Service Costs. The net overcollection or undercollection shall be determined for the most recent period permitted under law, which shall begin with the month following the last month which was included in the previous overcollection or undercollection calculation reflected in rates. The annual filing date shall be the date specified by the PUC for the Company's Section 1307(f) Tariff filing.

Each overcollection or undercollection statement shall also provide for refund or recovery of amounts necessary to adjust for overrecovery or underrecovery of "E" factor amounts under the previous Balancing Service Costs Rate. Interest shall be computed monthly at the rate as provided for in Section 1307(f) of the Public Utility Code from the month that the overcollection or undercollection occurs to the effective month such overcollection is refunded or undercollection is recouped. Such over billings (or under billings) will be made with interest at the statutory rate.

"S<sub>1</sub>" – projected Mcf of storage gas/LNG to be delivered to Customers to meet design day needs during the projected period when rates will be in effect.

"S<sub>2</sub>" – forecasted Mcf of load balancing volumes during the projected period when rates will be in effect.

**(D) – Decrease**



**PGW**  
**Gas Service Tariff**  
**Pa. P.U.C. No. 2**  
  
**Supplement No. 125**

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Supplement No. 125 to  
Gas Service Tariff – Pa P.U.C. No. 2  
One Hundred and Twenty Fifth Revised Page No. 1  
**PHILADELPHIA GAS WORKS** Canceling One Hundred and Twenty Fourth Revised Page No. 1

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## **PHILADELPHIA GAS WORKS**

### **GAS SERVICE TARIFF**



Issued by: Craig White  
President and CEO

PHILADELPHIA GAS WORKS  
800 West Montgomery Avenue  
Philadelphia, PA 19122

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Issued: November 27, 2019

Effective: December 1, 2019

PHILADELPHIA GAS WORKS

Supplement No. 125  
 Gas Service Tariff – Pa P.U.C. No.2  
 One Hundred and Twentieth Revised Page No. 2  
 Canceling One Hundred and Nineteenth Revised  
 Page No. 2

**List of Changes Made by this Tariff Supplement**

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Updated to reflect revised page numbers for each of the changes listed below on this page

**GAS COST RATE (GCR) – SECTION 1307f, II DEFINITIONS (PAGE Nos. 67)**

In the definition of "GAC," the GAC value effective December 1, 2019, increases from \$0.00206 per Ccf to \$0.00351 per Ccf.

**DEFINITIONS – Unaccounted For Gas (Page 14)**

The Lost and Unaccounted for Gas and Retainage Rate percentage is decreased from 2.9% to 2.7%

**GAS COST RATE (GCR) – SECTION 1307f, II DEFINITIONS (PAGE Nos. 67A)**

In the definition of "IRC," the IRC value effective December 1, 2019 is \$(0.00067) per Ccf. In the definition of "SSC," the SSC value effective December 1, 2019, increases from \$0.45860 per Ccf to \$0.46757 per Ccf.

**GAS COST RATE (GCR) – SECTION 1307f, III COMPUTATION OF GCR (PAGE No. 68)**

The Gas Cost Rate (GCR) effective December 1, 2019 increases from \$0.46030 per Ccf to \$0.47175 per Ccf.

**PRICE TO COMPARE (PAGE No. 78)**

The Prices to Compare effective December 1, 2019 are: a) \$0.49282 per Ccf for Residential (GS-RES); b) \$0.47508 per Ccf for Public Housing Customers (GS-PH); (c) \$0.47800 for Commercial (GS-COM); (d) \$0.47692 for Industrial (GS-IND); (e) \$0.47508 for Municipal Service (MS); (f) \$0.47508 for Philadelphia Housing Authority (PHA); and, (g) \$0.47508 for Natural Gas Vehicle Service (NGVS).

**EFFICIENCY COST RECOVERY SURCHARGE (PAGE No. 80)**

The Efficiency Cost Recovery Surcharge rates effective December 1, 2019 are: a) \$0.00021 per Ccf for Residential and Public Housing Customers on Rate GS; b) \$0.00245 per Ccf for Commercial Customers on Rate GS; c) \$(0.00312) per Ccf for Industrial Customers on Rate GS; and, d) \$0.00245 per Ccf for The Philadelphia Housing Authority on Rate PHA.

**UNIVERSAL SERVICE AND ENERGY CONSERVATION SURCHARGE (PAGE No. 81)**

The Universal Service and Energy Conservation Surcharge effective December 1, 2019 decreases from \$0.12195 per Ccf to \$0.09826 per Ccf.

**GENERAL SERVICE – RATE GS (PAGE No. 83); MUNICIPAL SERVICE – RATE MS (PAGE No. 87); PHILADELPHIA HOUSING AUTHORITY SERVICE – RATE PHA (PAGE No. 90); and, DEVELOPMENTAL NATURAL GAS VEHICLE SVC - RATE NGVS FIRM SERVICE (Page No. 135)**

The Gas Cost Rate (GCR) effective December 1, 2019 increases from \$0.46030 per Ccf to \$0.47175 per Ccf.

Supplement No. 125  
Gas Service Tariff – Pa P.U.C. No.2  
Fifteenth Revised Page No. 3  
Canceling Fourteenth Revised Page No. 3

**PHILADELPHIA GAS WORKS**

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Supplement No. 125  
 Gas Service Tariff – Pa P.U.C. No. 2  
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**PHILADELPHIA GAS WORKS**

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Supplement No. 125  
Gas Service Tariff – Pa P.U.C. No. 2  
Seventh Revised Page No. 14  
Canceling Sixth Revised Page No. 14

Philadelphia Gas Works

**UNACCOUNTED FOR GAS** (for the purpose of calculating retainage) – Unaccounted for gas is the difference in the amount of gas delivered to the Company's distribution system and the amount billed to customers. The current Lost and Unaccounted for Gas and Retainage Rate percentage is 2.7%. The percentage changes annually on December 1<sup>st</sup> and is based upon actual data for the preceding 12 months ending August 31<sup>st</sup>.

**(D)**

**(D) - Decrease**

**GAS COST RATE (GCR) – SECTION 1307(f)****I. PROVISION FOR ADJUSTMENT**

The Gas Cost Rate shall be applied to each Mcf (1,000 cubic feet) for Firm Retail Sales Service Gas supplied under Rates Schedules GS, MS, PHA, and NGVS-Firm, except for Gas usage under the Special Provisions – Air Conditioning of those rates calculated in a manner set forth below, pursuant to 66 Pa.C.S. §1307(f). Such rates for Firm Sales Service Gas may be increased or decreased from time to time under the procedures set forth in Section II.B. below to reflect changes in the level of Gas costs incurred or projected to be incurred by PGW related to Sales Service.

**II. DEFINITIONS**

**C** - The current cost of Natural Gas and other raw materials determined as follows: (a) for all types of Gas, project the cost for each purchase (adjusted for net current Gas stored) for the computation year plus (b) the of (1) the projected book value of non-current Gas at the beginning of the computation year minus (2) the projected book value of non-current Gas at the end of the computation year. In addition to any cost authorized by the Commission, the cost of Natural Gas may include any item included in the definition of Natural Gas costs set forth in 66 Pa.C.S. § 1307(h) ("Definition"). The Factor "C" includes two components – Commodity Costs and Demand Costs which are defined as follows: Commodity Costs - the actual cost of natural gas and purchased electric for firm customers that does not include the fixed costs associated with the transportation and storage of natural gas; and Demand Costs - the fixed costs associated with the transportation and storage of natural gas for firm customers.

Effective 9/1/08, 75% of off system sales margin and capacity release credits will be allocated to the Factor "C" and 25% to the Company. Effective 9/1/09, 75% of storage asset management fees will be allocated to the Factor "C" and 25% to the Company.

**Computation Year** - The 12-month forecast period as identified in the Company's annual 1307(f) filing and each quarterly GCR filing.

**E** - Experienced net over billing (or under billing) of the cost of Natural Gas and other raw materials applicable to the GCR reported in the most recent Section 1307(f) proceeding. Such over billings (or under billings) will be made with interest at the rate and method set forth by the Pennsylvania Public Utility Commission. Additionally, supplier refunds received prior to the end of the August billing period will be included in the Factor "E." The Factor "E" includes two components – Commodity Costs and Demand Costs which are defined above in the Factor "C" definition. Credit or recovery of the factor "E" is completed over the Company's Fiscal Year.

**Firm Sales Service** - The service provided to Customers who receive firm supply service from PGW. The term does not include the service provided to Customers who receive interruptible supply service from PGW.

**GAC (Gas Adjustment Charge)** - The "E" factor component of the GCR, representing the net overcollection or undercollection of Natural Gas and other raw materials costs. The currently effective GAC is \$0.00603 per Ccf for Commodity Costs and (\$0.00252) per Ccf for Demand Costs, for service on or after December 1, 2019. The total GAC is \$0.00351 per Ccf. (l)

**GCR** - Gas Cost Rate determined to the nearest one-hundredth cent (\$0.0001) to be applied to each Mcf of Gas supplied under Rates GS, MS, PHA, and NGVS-Firm, except for Gas usage under the Special Provisions – Air Conditioning of those rates and is equal to the SSC plus the GAC minus the IRC.

(l) – Increase



Supplement No. 125 to  
Gas Service Tariff – Pa P.U.C. No. 2  
Seventy Second Revised Page No. 67A  
Canceling Seventy First Revised Page No. 67A

**PHILADELPHIA GAS WORKS**

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**IRC - Interruptible Revenue Credit** - The credit defined in Subsection VI below. The currently effective IRC is \$(0.00067) per Ccf for service on or after December 1, 2019.

**(D)**

**Natural Gas or Gas** - The volumes of gas purchased or manufactured by the Company that is delivered to the Company's Customers, plus such portion of the Company-used and unaccounted-for gas as the Commission permits, including, but not limited to, natural gas, liquefied natural gas, synthetic gas, liquefied propane and naphtha.

**S - Projected applicable Mcf of Gas to be billed to Customers during the computation year.**

**SSC - Sales Service Charge** - The purchased Gas costs determined to the nearest  $\frac{1}{100}$  of a cent (\$0.0001). The currently effective SSC is \$0.26288 per Ccf for Commodity Costs and \$0.20469 per Ccf for Demand Costs, for service on or after December 1, 2019. The total SSC is \$0.46757 per Ccf.

**(I)**

**(D) – Decrease      (I) – Increase**

**III. COMPUTATION OF GAS COST RATE**

Issued: November 27, 2019

Effective: December 1, 2019

**PHILADELPHIA GAS WORKS**

A. The GCR shall be computed to the nearest one-thousandth cent (\$0.00001) in accordance with the formula set forth below as the terms are defined in Section II:

$$\begin{aligned} \text{SSC} &= \text{C/S} \\ \text{GAC} &= \text{E/S} \\ \text{GCR} &= \text{SSC} + \text{GAC} - \text{IRC} \end{aligned}$$

B. Each Gas Cost Rate so computed shall be applied to Customers' bills for twelve monthly billing periods commencing with September.

The currently effective Gas Cost Rate is \$0.47175 per Ccf, for service on or after December 1, 2019. (I)

**IV. REPORTING REQUIREMENTS**

A. The Company's rates are subject to quarterly adjustments for recovery of the Gas Cost Rate under procedures set forth in Section 1307(f) of the Public Utility Code.

B. The filing of the Company's annual Section 1307(f) filing, annual Gas Cost Rate, effective during the billing period of September through August, shall be submitted to the Commission by March 1 of each year, with a February 1 pre-filing date.

C. The application of the Gas Cost Rate shall be subject to review and audit by the Commission at such intervals as the Commission shall determine.

D. If it shall be determined, from audit by the Commission, or by final order entered after notice and hearing, that the application of this clause has resulted in the overcollection or undercollection of revenues, then the Company shall apply such over/undercollection as a credit or debit against future Gas Cost Rates.

**V. PROVISION FOR INCLUSION OF SPECIFIC NON-GAS EXPENSES**

The computation of the Gas Cost Rate may include such Non-Gas expenses as may be authorized by this tariff and annually authorized by the Commission.

**VI. INTERRUPTIBLE REVENUE CREDIT (IRC)**

A. The GCR rate shall be credited with an Interruptible Revenue Credit (IRC) equal to the margin realized from interruptible sales under PGW's Interruptible Sales Tariff Rates: BPS, LBS; and CG (Total Margin Revenue).

B. The IRC shall be set each year in the Company's 1307(f) proceeding to reflect the Total Margin Revenue. The rate per Mcf shall be calculated by dividing the Total Margin Revenue by total applicable firm sales. For the period September 1, 2003 through August 31, 2004 the IRC shall be initially set to reflect the Total Margin Revenue authorized by the Commission in its final order at M-00021612 (entered March 31, 2003).

(I) – Increase

**MERCHANT FUNCTION CHARGE (“MFC”)**

The MFC is a volumetric charge, applied to firm sales service customers, which will be included in the Price to Compare. The MFC is based on Gas Cost Rate multiplied by a fixed uncollectible percentage established in the Company's last general base rate proceeding. The MFC will not be reconciled to reflect actual results. The MFC is intended to make the Company's Price to Compare more comparable to the gas supply services price offers of other Natural Gas Suppliers that presumably reflect anticipated uncollectible expenses. The following percentages will be applied to the quarterly Gas Cost Rate in order to calculate the quarterly MFC: 3.76% - GS Residential (“GS RES”); 0.62% - GS Commercial (“GS COM”); and 0.39% - GS Industrial (“GS IND”). The current MFC is set forth below in the Price to Compare table.

**GAS PROCUREMENT CHARGE (“GPC”)**

The GPC is a volumetric charge, applied to firm sales service customers, which will be included in the Price to Compare. The GPC will remain in effect until reviewed and updated in the Company's next general base rate proceeding.

Current Gas Procurement Charge = \$0.00400/Ccf

**PRICE TO COMPARE (“PTC”)**

The PTC is composed of the Sales Service Charge (“SSC”), Gas Adjustment Charge (“GAC”), the Merchant Function Charge and the Gas Procurement Charge. The PTC will change whenever any of the components of the PTC change. The current PTC is (per Ccf):

	<b>GS-RES</b>	<b>GS-PH</b>	<b>GS-COM</b>	<b>GS-IND</b>	<b>MS</b>	<b>PHA</b>	<b>NGVS</b>
<b>SSC</b>	\$0.46757	\$0.46757	\$0.46757	\$0.46757	\$0.46757	\$0.46757	\$0.46757
<b>GAC</b>	\$0.00351	\$0.00351	\$0.00351	\$0.00351	\$0.00351	\$0.00351	\$0.00351
<b>MFC</b>	\$0.01774	\$0.00000	\$0.00292	\$0.00184	\$0.00000	\$0.00000	\$0.00000
<b>GPC</b>	\$0.00400	\$0.00400	\$0.00400	\$0.00400	\$0.00400	\$0.00400	\$0.00400
<b>PTC</b>	\$0.49282	\$0.47508	\$0.47800	\$0.47692	\$0.47508	\$0.47508	\$0.47508

(C)

(C) – Change

**PHILADELPHIA GAS WORKS**

**EFFICIENCY COST RECOVERY SURCHARGE**

The cost of the energy efficiency programs (i.e. the demand side management programs) for the firm customer rate classes listed below will be recovered by an Efficiency Cost Recovery Surcharge applicable to all volumes of Gas delivered.

- 1) The Surcharge will recover the program costs and the administrative costs of the energy efficiency program.
- 2) Computation of the Efficiency Cost Recovery Surcharge factors will be in accordance with the automatic adjustment procedures utilized under Section 1307(f) of the Public Utility Code and will be filed and approved in conjunction with the Company's annual Section 1307(f)-GCR filing.
- 3) Once the surcharge is in place, it will be automatically adjusted effective March 1, June 1, September 1, and December 1 of each year in accordance with Section 1307(f) quarterly adjustment procedures. No interest will be included in such surcharge computations. The basic component of the surcharge will be determined by dividing the total energy efficiency program costs approved for annual recovery plus (or minus) any over (or under) recovery from the prior period by the estimated applicable throughput in Mcfs. The costs related to customers other than low income residential customers are tracked and will be recovered separately from each of the following firm customer rate classes if the customer class is served by the energy efficiency program:
  - a) Residential and Public Housing Customers on Rate GS;
  - b) Commercial Customers on Rate GS;
  - c) Industrial Customers on Rate GS;
  - d) Municipal Customers on Rate MS; and
  - e) The Philadelphia Housing Authority on Rate PHA.

The surcharge shall be a cents per Ccf charge calculated to the nearest one-thousandth of a cent (0.00001) which shall be added to the distribution rates for billing purposes for all customers in each of the above rate classes. The rate shall be calculated separately for each rate class as follows:

- |   |      |
|---|------|
| a) \$0.00021 per Ccf for Residential and Public Housing Customers on Rate GS; | (D)  |
| b) \$0.00245 per Ccf for Commercial Customers on Rate GS;                     | (D)  |
| c) \$(0.00312) per Ccf for Industrial Customers on Rate GS;                   | (D)  |
| d) \$0.00000 per Ccf for Municipal Customers on Rate MS; and                  | (NC) |
| e) \$0.00245 per Ccf for The Philadelphia Housing Authority on Rate PHA.      | (D)  |

The Enhanced Low Income Retrofit Program costs shall be recovered through the Universal Services Surcharge beginning on September 1, 2010.

**(I) – Increase; (D) – Decrease; (NC) – No Change**

## **UNIVERSAL SERVICE AND ENERGY CONSERVATION SURCHARGE**

Universal service and energy conservation program and related costs will be recovered by a Universal Service and Energy Conservation Surcharge applicable to all volumes of Gas delivered.

1. The Surcharge will recover: 1) the discounts provided to Customers pursuant to the Customer Responsibility Program (CRP); 2) the discounts provided to Customers pursuant to the Senior Citizen Discount; 3) the costs of PGW's Low Income Usage Reduction Program (LIRUP), known as the Home Comfort Program (previously known as the Conservation Works Program (CWP), the Enhanced Low Income Retrofit Program (ELIRP) and the CRP Home Comfort Program); 4) the costs of the pilot Conservation Incentive Credit program; and, 5) for Customers entering the CRP program on or after September 1, 2003, past due arrearages forgiven pursuant to paragraph A (6) of the CRP/CAP Program Design Stipulation approved by the Commission by its order at M-00021612 (entered March 31, 2003).
2. Computation of the Universal Service and Energy Conservation Surcharge factors will be in accordance with the automatic adjustment procedures utilized under Section 1307(f) of the Public Utility Code and will be filed and approved in conjunction with the Company's annual Section 1307(f)-GCR filing.
3. Once the surcharge is in place it will be automatically adjusted effective March 1, June 1, September 1, and December 1 of each year in accordance with Section 1307(f) quarterly adjustment procedures. No interest will be included in such surcharge computations. The basic component of the surcharge will be determined by dividing the total universal service and energy conservation program costs approved for annual recovery by the estimated applicable throughput in Mcfs.
4. The Universal Service and Energy Conservation Surcharge shall take effect upon the effective date of this Tariff.

Current Universal Service and Energy Conservation Surcharge = \$0.09826/Ccf. **(D)**

**(D) - Decrease**

**GENERAL SERVICE - RATE GS**

Rate: Applicable to all Retail Sales Service or Transportation Service rendered pursuant to this Rate Schedule on or after December 1, 2019.

**AVAILABILITY**

Available for any purpose where the Company's distribution mains adjacent to the proposed Gas Service location are, or can economically be made, suitable to supply the quantities of Gas or Transportation Services required.

**RATES**

**CUSTOMER CHARGE (per Meter (except parallel meters)):**

\$ 13.75 per month for Residential and Public Housing Authority Customers.  
\$ 23.40 per month for Commercial Customers  
\$ 70.00 per month for Industrial Customers

**Surcharge:** Distribution System Improvement Charge.

Plus,

**GCR (not applicable to GS Customers who transport gas through a qualified NGS):**

\$0.47175	per Ccf for Residential and Public Housing	(I)
\$0.47175	per Ccf for Commercial Customers	(I)
\$0.47175	per Ccf for Industrial Customers	(I)

Plus,

**DISTRIBUTION CHARGE (consisting of items (A) and (B), below):**

(A) **Delivery Charge:**

\$0.66967	per Ccf for Residential
\$0.57105	per Ccf for Public Housing
\$0.48651	per Ccf for Commercial and Municipal Customers
\$0.47698	per Ccf for Industrial Customers

(B) **Surcharges:**

Universal Service and Energy Conservation Surcharge; Restructuring and Consumer Education Surcharge; Efficiency Cost Recovery Surcharge; Other Post Employment Benefit Surcharge; and Distribution System Improvement Charge.

(I) - Increase

Note: The Commodity Charge includes the Sales Service Charge, the Merchant Function Charge and the Gas Procurement Charge.

Supplement No. 1254 to  
Gas Service Tariff – Pa P.U.C. No. 2  
Eighty Ninth Revised Page No. 87

PHILADELPHIA GAS WORKS

Canceling Eighty Eighth Revised Page No. 87

### **MUNICIPAL SERVICE - RATE MS**

Rate: Applicable to all Retail Sales Service or Transportation Service rendered pursuant to this Rate Schedule on or after December 1, 2019.

#### AVAILABILITY

Available to properties owned or occupied by the City of Philadelphia or the Board of Education, or any of their respective agencies or instrumentalities, for any type of Gas Service, unless purchased for resale to others, and where the Company's distribution mains adjacent to the proposed Gas Service locations are, or can economically be made, suitable to supply the quantities of Gas required; provided, however, that the rate shall not be available to Commercial Tenants of any such property.

#### RATES

CUSTOMER CHARGE (per Meter (except parallel meters):

\$ 23.40 per month

Surcharge: Distribution System Improvement Charge.

Plus,

GCR (not applicable to MS Customers who transport Gas through a qualified NGS):

\$0.47175 per Ccf

(I)

Plus,

DISTRIBUTION CHARGE (consisting of items (A) and (B), below):

(A) Delivery Charge:

\$0.42723 per Ccf

(B) Surcharges:

Universal Service and Energy Conservation Surcharge; and The Restructuring and Consumer Education Surcharge; the Efficiency Cost Recovery Surcharge; Other Post Employment Benefit Surcharge; and Distribution System Improvement Charge.

(I) - Increase

Note: The Commodity Charge includes the Sales Service Charge, the Merchant Function Charge and the Gas Procurement Charge.

Issued: November 27, 2019

Effective: December 1, 2019

**PHILADELPHIA HOUSING AUTHORITY SERVICE - RATE PHA**

Rate: Applicable to all Retail Sales Service or Transportation Services rendered pursuant to this Rate Schedule on or after December 1, 2019.

**AVAILABILITY**

Available for all Gas usage in multiple dwelling Residential buildings containing 10 or more dwelling units, owned and operated by the Philadelphia Housing Authority, where cooking shall be performed exclusively with Gas and where Gas Service shall be supplied through one or more single point metering arrangements at locations where the Company's distribution mains adjacent to the proposed Gas Service locations are, or can economically be made, suitable to supply the quantities of Gas required.

This rate is also available for all Gas usage in single and multiple dwelling Residential buildings, containing less than 10 dwelling units, provided, and only so long as, Gas is used exclusively for cooking, water heating and space heating for all such Residential buildings owned and operated by the Philadelphia Housing Authority, except (a) buildings operated by the Philadelphia Housing Authority, prior to the original effective date of this rate (January 1, 1969), and (b) buildings for which, in the judgment of the Company, such Gas Service cannot be provided economically.

**RATES**

**CUSTOMER CHARGE (per Meter (except parallel meters):**

\$23.40 per month

**Surcharge: Distribution System Improvement Charge.**

Plus,

**GCR (not applicable to PHA customers who transport gas through a qualified NGS):**

\$0.47175 per Ccf

(I)

Plus

**DISTRIBUTION CHARGE (consisting of item (A) and (B), below):**

(A) **Delivery Charge:**

\$0.50163 per Ccf

(B) **Surcharges:**

Universal Service and Energy Conservation Surcharge; and The Restructuring and Consumer Education Surcharge; the Efficiency Cost Recovery Surcharge; Other Post Employment Benefit Surcharge; and Distribution System Improvement Charge.

(I) - Increase

Note: The Commodity Charge includes the Sales Service Charge, the Merchant Function Charge and the Gas Procurement Charge.



PHILADELPHIA GAS WORKS

**DEVELOPMENTAL NATURAL GAS VEHICLE SERVICE - RATE NGVS  
FIRM SERVICE**

Rate: Applicable to all Retail Sales Service rendered pursuant to this Rate Schedule on or after  
 December 1, 2019.

**AVAILABILITY**

This service is available to provide uncompressed Natural Gas to any Customer for the exclusive purpose of compressing such Gas for use as fuel for motor vehicles. The compression of the Natural Gas to the pressure required for use as a motor vehicle fuel will be conducted by the Customer, at the Customer's designated premises. Service shall only be available where the Company's distribution system is, or can economically be made available to supply the service. Each Customer will be required to execute a service agreement which will specify terms and conditions of service.

**CHARACTER OF SERVICE**

Service under this rate schedule is firm and shall only be interrupted in the case of operating emergencies experienced by the Company.

**MONTHLY RATE**

**CUSTOMER CHARGE:**

\$35.00 per month

Surcharge: Distribution System Improvement Charge.

Plus,

GCR (not applicable to NGVS customers who transport gas through a qualified NGS):

\$0.47175 per Ccf

(I)

Plus

**DISTRIBUTION CHARGE (consisting of item (A) and (B), below):**

(A) Delivery Charge (Updated in Supplement No. 65 – Issued: July 10, 2013; Effective: October 1, 2013):

\$0.12833 per Ccf

(B) Surcharges:

Universal Service and Energy Conversation Surcharge; The Restructuring and Consumer Education Surcharge; Other Post Employment Benefit Surcharge; and Distribution System Improvement Charge.

**(I) – Increase**

Note: The Commodity Charge includes the Sales Service Charge, the Merchant Function Charge and the Gas Procurement Charge.

Issued: November 27, 2019

Effective: December 1, 2019

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## Schedule 1

## Philadelphia Gas Works

## Levelized Gas Cost Rate

December 1, 2019

Formula:  
 $GCR = SSC + GAC - IRC$

where:

	<u>Demand</u>	<u>Commodity</u>	<u>Total</u>	
<b>S = Firm Sales (Mcf)</b>			<b>41,717,771</b>	Schedule 2
<b>Net Natural Gas Expense</b>	\$ 76,463,356	\$ 110,352,456	\$ 186,815,812	
<b>Purchased Electric &amp; Misc Expenses</b>	\$ -	\$ 658,718	\$ 658,718	
<b>Total Natural Gas Expense</b>	\$ 76,463,356	\$ 111,011,174	\$ 187,474,530	Schedule 3
<b>C-Factor Reconciliation</b>	\$ 10,047,481	\$ 89,567	\$ 10,137,048	Schedule 7(b)
<b>C = Total Applicable GCR Expense</b>	\$ 86,510,837	\$ 111,100,741	\$ 197,611,578	
<b>SSC = C / S</b>	\$ 2.0737	\$ 2.6632	\$ 4.7369	
<b>Adjustment For:</b>				
<b>E-Factor Volumes (Mcf)</b>			<b>36,945,136</b>	
<b>E-Factor Reconciliation</b>	\$ (1,025,218)	\$ 2,454,092	\$ 1,428,875	Schedule 7(c)
	\$ (1,025,218)	\$ 2,454,092	\$ 1,428,875	
<b>E = E-Factor</b>	\$ (0.0277)	\$ 0.0664	\$ 0.0387	
<b>Interruptible Revenue Credit</b>			\$ (252,357)	Schedule 4(a)
<b>IRC = Interruptible Revenue Credit / S</b>			\$ (0.0060)	
<b>Net Applicable GCR Expenses = C + E - Interruptible Revenue Credit</b>			\$ 199,292,809	
<b><u>GCR = SSC + GAC - IRC</u></b>			\$ 4.7816	
<b>SSC in effect 12/01/19</b>	\$ 2.0469	\$ 2.6288	\$ 4.6757	
<b>GAC in effect 12/01/19</b>	\$ (0.0252)	\$ 0.0603	\$ 0.0351	
<b>IRC in effect 12/01/19</b>			\$ 0.0067	
<b>GCR in effect 12/01/19</b>			\$ 4.7175	Schedule 8
<b>Recovery Test on:</b>				
<b>Firm Sales (Mcf)</b>			<b>41,717,771</b>	
<b>= GCR Projected Recovery</b>			\$ 196,516,044	
<b>= Load Balancing Revenue</b>			\$ 2,639,780	
<b>= LNG Sales Demand Revenue</b>			\$ 135,929	
<b>= Total Projected Recovery</b>			\$ 199,291,753	Schedule 8
<b>Compared To</b>				
<b>Net Applicable GCR Expenses</b>			\$ 199,292,809	
<b>= Net Over/(Under) Recovery</b>			\$ (1,056)	
<b>Degree Days</b>			<b>3,962</b>	

Schedule 1(a)

## Philadelphia Gas Works

## Price To Compare (\$ / MCF)

December 1, 2019

	<b>GCR</b>	<b>GCA</b>	<b>SSC</b>	<b>MFC</b>	<b>MFC Charge</b>	<b>GPC Charge</b>	<b>GAC</b>	<b>Price to Compare</b>
	<b>1</b>	<b>2</b>	<b>3 = (1 - 2)</b>	<b>4</b>	<b>5 = (1 * 4)</b>	<b>6</b>	<b>7</b>	<b>8 = (3 + 5 + 6 + 7)</b>
<b>Residential GS</b>	\$4.7175	\$0.0418	\$4.6757	3.76%	\$0.1774	\$0.0400	\$0.0351	\$4.9282
<b>Commercial GS</b>	\$4.7175	\$0.0418	\$4.6757	0.62%	\$0.0292	\$0.0400	\$0.0351	\$4.7800
<b>Industrial GS</b>	\$4.7175	\$0.0418	\$4.6757	0.39%	\$0.0184	\$0.0400	\$0.0351	\$4.7692
<b>Phila. Housing Authority (PHA)</b>	\$4.7175	\$0.0418	\$4.6757	0.00%	\$0.0000	\$0.0400	\$0.0351	\$4.7508
<b>Municipal (MS)</b>	\$4.7175	\$0.0418	\$4.6757	0.00%	\$0.0000	\$0.0400	\$0.0351	\$4.7508
<b>NGV Firm</b>	\$4.7175	\$0.0418	\$4.6757	0.00%	\$0.0000	\$0.0400	\$0.0351	\$4.7508
<b>Phila. Housing Authority (GS)</b>	\$4.7175	\$0.0418	\$4.6757	0.00%	\$0.0000	\$0.0400	\$0.0351	\$4.7508

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NOV 27 2019

PA PUBLIC UTILITY COMMISSION  
SECRETARY'S BUREAU

**SALES & VOLUMES**

DECEMBER 2019 THROUGH NOVEMBER 2020

MONTH	TOTAL VOLUMES	FIRM TRANSPORT VOLUMES	BILLED SALES	INTERRUPTIBLE SALES	LNG SALES	AIR CONDITIONING SALES	GCR FIRM SALES	SENIOR CITIZEN DISCOUNT SALES	APPLICABLE VOLUMES
	1	2	3 = (1 - 2)	4	4A	4B	5 = (3 - 4 - 4A - 4B)	6	7 = (5 - 6 + 2)
DECEMBER 2019	5,653,446	623,843	5,029,602	1,077	5,984	-	5,022,541	20,776	5,625,606
JANUARY 2020	10,606,536	1,323,812	9,282,824	1,077	5,984	-	9,275,862	39,517	10,559,957
FEBRUARY	8,971,581	1,123,209	7,848,352	1,008	5,588	-	7,841,746	32,762	8,932,193
MARCH	7,112,834	898,357	6,214,477	1,077	5,984	-	6,207,416	25,265	7,080,507
APRIL	4,508,610	558,446	3,951,164	1,043	5,781	-	3,944,330	15,586	4,487,191
MAY	2,020,706	288,878	1,733,828	1,077	5,984	-	1,728,767	5,991	2,007,653
JUNE	1,310,889	220,987	1,089,892	1,043	5,781	50	1,083,009	3,034	1,300,972
JULY	1,168,680	202,225	966,455	1,077	5,984	282	959,112	2,582	1,158,755
AUGUST	1,078,832	187,318	891,514	1,077	5,984	99	884,354	2,353	1,069,320
SEPTEMBER	1,040,687	183,255	857,432	1,045	4,110	157	852,120	2,242	1,033,133
OCTOBER	1,491,735	272,189	1,219,546	1,080	4,287	83	1,214,138	3,400	1,482,826
NOVEMBER	<u>3,290,331</u>	<u>488,800</u>	<u>2,711,531</u>	<u>1,045</u>	<u>4,110</u>	<u>-</u>	<u>2,708,376</u>	<u>8,004</u>	<u>3,188,171</u>
TOTAL	48,365,847	6,568,129	41,796,718	12,728	65,549	670	41,717,771	162,513	48,124,387

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**Projected Applicable Fuel Expense  
December 1, 2019 GCR Filing**

	DECEMBER 2019	JANUARY 2020	FEBRUARY 2020	MARCH 2020	APRIL 2020	MAY 2020	JUNE 2020	JULY 2020	AUGUST 2020	SEPTEMBER 2020	OCTOBER 2020	NOVEMBER 2020	TOTAL
<b>NATURAL GAS BILLED</b>													
DEMAND CHARGE	\$6,716,016	\$6,716,678	\$6,742,666	\$6,657,618	\$4,283,116	\$4,282,066	\$4,286,522	\$4,255,610	\$6,232,171	\$6,013,714	\$6,675,367	\$6,280,466	\$76,483,356
COMMODITY CHARGE	\$12,312,861	\$13,161,829	\$11,614,034	\$11,366,591	\$6,436,366	\$6,522,636	\$6,663,650	\$6,856,184	\$6,657,600	\$6,474,046	\$6,941,467	\$6,216,037	\$100,742,785
<b>TOTAL NATURAL GAS BILLED</b>	<b>\$19,028,877</b>	<b>\$19,878,507</b>	<b>\$18,356,700</b>	<b>\$18,024,209</b>	<b>\$10,719,482</b>	<b>\$10,804,702</b>	<b>\$10,950,172</b>	<b>\$11,111,794</b>	<b>\$12,889,771</b>	<b>\$12,487,760</b>	<b>\$13,616,834</b>	<b>\$12,496,503</b>	<b>\$177,226,141</b>
<b>INTERRUPTIBLE &amp; A/C CREDIT</b>	<b>\$2,061</b>	<b>\$3,011</b>	<b>\$2,779</b>	<b>\$2,857</b>	<b>\$2,465</b>	<b>\$2,407</b>	<b>\$2,742</b>	<b>\$3,467</b>	<b>\$3,006</b>	<b>\$2,664</b>	<b>\$2,669</b>	<b>\$2,643</b>	<b>\$33,613</b>
<b>SENDOUT VOLUME IN MCF</b>	<b>1,107</b>	<b>1,107</b>	<b>1,036</b>	<b>1,107</b>	<b>1,072</b>	<b>1,107</b>	<b>1,123</b>	<b>1,367</b>	<b>1,206</b>	<b>1,235</b>	<b>1,195</b>	<b>1,074</b>	<b>13,770</b>
<b>DKT CONVERSION FACTOR</b>	<b>1.036</b>	<b>1.036</b>	<b>1.036</b>	<b>1.036</b>	<b>1.036</b>	<b>1.036</b>	<b>1.036</b>	<b>1.036</b>	<b>1.036</b>	<b>1.036</b>	<b>1.036</b>	<b>1.036</b>	<b>1.036</b>
<b>PRICE \$/DKT</b>	<b>\$2.6812</b>	<b>\$2.6250</b>	<b>\$2.5966</b>	<b>\$2.4604</b>	<b>\$2.2117</b>	<b>\$2.0965</b>	<b>\$2.3567</b>	<b>\$2.3662</b>	<b>\$2.4007</b>	<b>\$2.2534</b>	<b>\$2.1806</b>	<b>\$2.2948</b>	
<b>GAS USED FOR UTILITY</b>	<b>\$100,466</b>	<b>\$106,136</b>	<b>\$103,675</b>	<b>\$82,383</b>	<b>\$64,736</b>	<b>\$16,071</b>	<b>\$22,234</b>	<b>\$20,360</b>	<b>\$27,177</b>	<b>\$19,680</b>	<b>\$21,632</b>	<b>\$67,623</b>	<b>\$667,666</b>
<b>NATURAL GAS TO STORAGE</b>													
FROM STORAGE PGW	(\$61,843)	\$0	\$0	(\$637,606)	(\$2,617,277)	(\$6,437,616)	(\$4,706,647)	(\$3,780,066)	(\$3,778,064)	(\$4,366,370)	(\$3,063,244)	(\$47,288)	(\$30,644,116)
FT FROM STORAGE	\$7,114,587	\$10,063,758	\$8,107,734	\$4,774,863	\$1,361,666	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$722,155
NET NATURAL GAS STORAGE	\$7,052,744	\$10,063,758	\$8,107,734	\$4,137,257	(\$1,255,611)	(\$6,437,616)	(\$4,706,647)	(\$3,780,066)	(\$3,778,064)	(\$4,366,370)	(\$3,063,244)	(\$47,288)	\$1,387,941
<b>LNG TO STORAGE</b>													
FROM LNG PGW	(\$276,627)	(\$636,612)	(\$600,366)	(\$1,101,006)	(\$641,431)	(\$162,666)	(\$3,666)	\$0	\$0	(\$3,230)	(\$421,676)	(\$664,337)	(\$5,676,374)
FT FROM LNG	\$620,470	\$1,436,721	\$962,262	\$261,163	\$271,336	\$277,166	\$266,446	\$276,342	\$276,342	\$256,755	\$366,935	\$252,600	\$6,636,280
NET LNG STORAGE	\$343,843	\$799,909	\$361,896	(\$439,843)	(\$370,095)	(\$34,499)	(\$262,777)	\$276,342	\$276,342	(\$264,925)	(\$65,742)	(\$411,737)	(\$1,039,094)
<b>LNG SALES FROM LNG TANK</b>	<b>\$17,343</b>	<b>\$17,316</b>	<b>\$16,266</b>	<b>\$17,624</b>	<b>\$16,966</b>	<b>\$17,316</b>	<b>\$16,661</b>	<b>\$17,134</b>	<b>\$17,134</b>	<b>\$17,134</b>	<b>\$17,134</b>	<b>\$17,134</b>	<b>\$17,134</b>
<b>SENDOUT VOLUMES (MCF)</b>	<b>5,864</b>	<b>5,864</b>	<b>5,864</b>	<b>5,864</b>	<b>5,791</b>	<b>5,864</b>	<b>5,791</b>	<b>5,864</b>	<b>5,864</b>	<b>4,110</b>	<b>4,347</b>	<b>4,110</b>	<b>65,646</b>
<b>@ AVG LNG COMMODITY RATE</b>	<b>\$2.6816</b>	<b>\$2.6627</b>	<b>\$2.6116</b>	<b>\$2.6251</b>	<b>\$2.6303</b>	<b>\$2.6637</b>	<b>\$2.6650</b>	<b>\$2.6633</b>	<b>\$2.6633</b>	<b>\$2.6633</b>	<b>\$2.6633</b>	<b>\$2.6633</b>	<b>\$2.6633</b>
<b>NET NATURAL GAS EXPENSE</b>	<b>\$26,017,301</b>	<b>\$30,362,716</b>	<b>\$26,863,706</b>	<b>\$21,227,964</b>	<b>\$12,866,634</b>	<b>\$9,462,666</b>	<b>\$8,464,735</b>	<b>\$8,565,620</b>	<b>\$8,658,633</b>	<b>\$8,366,664</b>	<b>\$10,756,666</b>	<b>\$16,467,366</b>	<b>\$166,616,612</b>
<b>APPLICABLE GCR EXPENSE</b>													
NET NATURAL GAS EXPENSE	\$26,017,301	\$30,362,716	\$26,863,706	\$21,227,964	\$12,866,634	\$9,462,666	\$8,464,735	\$8,565,620	\$8,658,633	\$8,366,664	\$10,756,666	\$16,467,366	\$166,616,612
PURCHASED ELECTRIC & MISC	\$64,366	\$76,713	\$66,661	\$64,723	\$66,666	\$66,666	\$64,366	\$64,366	\$64,366	\$64,366	\$64,366	\$64,366	\$64,366
PLANALECTICS	\$0	\$125,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$125,000
<b>TOTAL APPLICABLE EXPENSES</b>	<b>\$26,071,667</b>	<b>\$30,564,429</b>	<b>\$26,930,367</b>	<b>\$21,292,687</b>	<b>\$12,933,299</b>	<b>\$9,529,332</b>	<b>\$8,529,101</b>	<b>\$8,630,000</b>	<b>\$8,723,000</b>	<b>\$8,431,030</b>	<b>\$10,821,032</b>	<b>\$16,531,732</b>	<b>\$167,474,530</b>
<b>TOTAL GCR FIRM SALES</b>	<b>\$,022,641</b>	<b>\$,276,662</b>	<b>7,641,746</b>	<b>6,267,416</b>	<b>3,644,330</b>	<b>1,726,767</b>	<b>1,063,008</b>	<b>666,112</b>	<b>664,354</b>	<b>652,120</b>	<b>1,214,136</b>	<b>2,766,376</b>	<b>41,717,771</b>

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Schedule 4(a)

**INTERRUPTIBLE REVENUE CREDIT**  
**December 1, 2019**

**Fiscal Year 2019 Reconciliation (8/31/19)** **\$ (248,944) Schedule 4(c)**

<u>MONTH</u>	<u>IRC CREDIT</u>	<u>MARGIN</u>	
September-19	Actual \$ (3,621)	\$ 950	
October	Actual \$ (3,963)	\$ 991	
November	Estimated \$ (8,099)	\$ 782	
<b>Act/Est IRC Credit September 2019 to November 2019</b>	<b>\$ (15,683)</b>		
<b>Act/Est Margin September 2019 to November 2019</b>		<b>\$ 2,723</b>	<b>\$ 2,723</b>
<b>FY 2019 Reconciliation Plus Act/Est Margin September 2019 to November 2019</b>			<b>\$ (246,221)</b>
<b>FY 2019 Reconciliation Plus Act/Est Margin September 2019 to November 2019</b>			<b>\$ (246,221)</b>
<b>Act/Est IRC Credit September 2019 to November 2019</b>			<b>\$ (15,683)</b>
<b>Reconciliation as of November 30, 2019</b>			<b>\$ (261,903)</b>
<b>Margin - December 2019 through November 2020</b>			<b>\$ 9,546</b> Schedule 4(b)
<b>December 1, 2019 Interruptible Revenue Credit</b>			<b>\$ (252,357)</b>

**GCR Firm Sales** **41,717,771** Schedule 2

**December 1, 2019 IRC/Mcf** **\$ (0.0060)**

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**Schedule 4(b)****INTERRUPTIBLE REVENUE MARGIN**  
**December 1, 2019**

<b><u>MONTH</u></b>			<b><u>MARGIN</u></b>
<b>December-19</b>	Estimated	\$	808
<b>January-20</b>	Estimated	\$	808
<b>February</b>	Estimated	\$	756
<b>March</b>	Estimated	\$	808
<b>April</b>	Estimated	\$	782
<b>May</b>	Estimated	\$	808
<b>June</b>	Estimated	\$	782
<b>July</b>	Estimated	\$	808
<b>August</b>	Estimated	\$	808
<b>September</b>	Estimated	\$	784
<b>October</b>	Estimated	\$	810
<b>November</b>	Estimated	\$	784
<b>Total</b>		\$	<u>9,546</u>

## Schedule 4(c)

**INTERRUPTIBLE REVENUE CREDIT**  
**FINALIZED RECONCILIATION FY 2019**

Fiscal Year 2018 Reconciliation (8/31/18) \$ 18,323

<u>MONTH</u>	<u>IRC</u> <u>CREDIT</u>	<u>MARGIN</u>	
September-18	Actual \$ (1,546)	\$ 483	
October	Actual \$ (2,115)	\$ 332	
November	Actual \$ (6,285)	\$ 532	
December	Actual \$ (34,967)	\$ 547	
January-19	Actual \$ (71,431)	\$ 603	
February	Actual \$ (75,899)	\$ 506	
March	Actual \$ (51,129)	\$ 479	
April	Actual \$ (21,530)	\$ 29	
May	Actual \$ (9,841)	\$ (181)	
June	Actual \$ (5,763)	\$ 476	
July	Actual \$ (3,680)	\$ 551	
August	Actual \$ (3,311)	\$ 15,871	
<b>Actual IRC Credit September 2018 to August 2019</b>	<b><u>\$ (287,497)</u></b>		
<b>Actual Margin September 2018 to August 2019</b>		<b><u>\$ 20,230</u></b>	<b><u>\$ 20,230</u></b>
<b>FY 2018 Reconciliation Plus Actual Margin September 2018 to August 2019</b>			<b><u>\$ 38,553</u></b>
<hr/>			
<b>FY 2018 Reconciliation Plus Actual Margin September 2018 to August 2019</b>			<b>\$ 38,553</b>
<b>Actual IRC Credit September 2018 to August 2019</b>			<b><u>\$ (287,497)</u></b>
<b>Reconciliation as of August 31, 2019</b>			<b>\$ (248,944)</b>

**FISCAL YEAR 2019  
PHILADELPHIA GAS WORKS  
INTEREST CALCULATION**

MONTH	NET COST	TOTAL	OVER/	INTEREST	TIME	INTEREST	INTEREST	TOTAL
	OF FUEL <sup>(1)</sup>	C FACTOR	(UNDER)					
	1	REVENUE	RECOVERY	RATE	FACTOR	6 = (3*4*5)	REFUNDS <sup>(2)</sup>	8 = (6+7)
	(\$)	2	3 = (2 - 1)	4	5	(\$)	7	(\$)
SEPTEMBER 16	6,806,635	3,766,708	(3,039,927)	6.00%	18/12	(250,794)	-	(250,794)
OCTOBER	11,894,731	5,279,622	(6,615,109)	5.50%	17/12	(515,427)	233	(515,194)
NOVEMBER	22,789,760	15,472,572	(7,317,188)	5.60%	16/12	(536,594)	17	(536,577)
DECEMBER	31,738,375	28,556,586	(3,181,779)	5.80%	15/12	(218,747)	-	(218,747)
JANUARY 19	34,238,287	36,678,905	2,440,618	5.50%	14/12	156,606	-	156,606
FEBRUARY	25,796,063	38,964,148	13,168,085	5.50%	13/12	784,598	-	784,598
MARCH	23,390,285	32,924,286	9,534,001	5.60%	12/12	524,370	-	524,370
APRIL	12,274,022	18,346,665	6,072,643	5.50%	11/12	306,162	-	306,162
MAY	9,844,343	8,495,897	(1,348,446)	5.50%	10/12	(61,804)	21	(61,783)
JUNE	9,698,951	5,631,103	(4,067,848)	5.50%	9/12	(167,799)	-	(167,799)
JULY	8,841,227	4,204,717	(4,636,510)	5.50%	8/12	(170,005)	143	(169,862)
AUGUST	8,830,067	3,805,209	(5,024,858)	5.50%	7/12	(161,214)	12	(161,202)
<b>Total</b>	<b>208,142,746</b>	<b>202,126,428</b>	<b>(4,016,318)</b>			<b>(310,647)</b>	<b>426</b>	<b>(310,221)</b>

(1) See Schedule 4(b)

(2) See Schedule 5(c)

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Schedule 5(a)

Schedule 5(b)

**FISCAL YEAR 2019  
PHILADELPHIA GAS WORKS  
INTEREST ON NATURAL GAS REFUNDS**

<u>MONTH</u>	NATURAL GAS REFUNDS <sup>(1)</sup>	INTEREST RATE	TIME FACTOR	INTEREST ON REFUNDS
	1	2	3	4=(1*2*3)
	(\$)			(\$)
SEPTEMBER 18	0	6.00%	18/12	0
OCTOBER	2,740	6.00%	17/12	233
NOVEMBER	214	6.00%	16/12	17
DECEMBER	0	6.00%	15/12	0
JANUARY 19	0	6.00%	14/12	0
FEBRUARY	0	6.00%	13/12	0
MARCH	0	6.00%	12/12	0
APRIL	0	6.00%	11/12	0
MAY	425	6.00%	10/12	21
JUNE	0	6.00%	9/12	0
JULY	3,582	6.00%	8/12	143
AUGUST	350	6.00%	7/12	12
<b>TOTAL</b>	<b>7,311</b>			<b>426</b>

**FISCAL YEAR 2019  
PHILADELPHIA GAS WORKS  
DEMAND AND COMMODITY INTEREST CALCULATION**

MONTH	OVER/(UNDER) RECOVERY (1) 1	DEMAND CHARGE OVER/(UNDER) RECOVERY (2) 2	COMMODITY CHARGE OVER/(UNDER) RECOVERY 3=(1-2)	INTEREST RATE 4	TIME FACTOR 5	DEMAND INTEREST EXPENSE 6=(2*4*5)	COMMODITY INTEREST EXPENSE 7=(3*4*5)	TOTAL INTEREST EXPENSE 8=(6+7)	INTEREST ON REFUNDOS (3) 9	TOTAL INTEREST 10=(8+9)
	(\$)	(\$)	(\$)			(\$)	(\$)	(\$)	(\$)	(\$)
SEPTEMBER 18	(3,039,927)	(3,769,087)	729,161	5.50%	18/12	(310,950)	80,156	(250,794)	0	(250,794)
OCTOBER	(6,615,109)	(3,361,947)	(3,253,162)	5.50%	17/12	(261,952)	(253,476)	(515,427)	233	(515,194)
NOVEMBER	(7,317,188)	354,716	(7,671,905)	5.50%	18/12	26,013	(562,806)	(536,594)	17	(536,577)
DECEMBER	(3,181,779)	4,971,887	(8,153,666)	5.50%	15/12	341,817	(560,565)	(218,747)	0	(218,747)
JANUARY 19	2,440,616	8,778,954	(6,338,337)	5.50%	14/12	583,316	(408,710)	156,606	0	156,606
FEBRUARY	13,168,085	9,654,007	3,514,079	5.50%	13/12	575,218	209,381	784,599	0	784,599
MARCH	9,534,001	6,157,144	4,376,857	5.50%	12/12	283,643	240,727	524,370	0	524,370
APRIL	6,072,643	(828,573)	6,901,216	5.50%	11/12	(41,774)	347,936	306,162	0	306,162
MAY	(1,348,446)	(3,333,222)	1,984,776	5.50%	10/12	(152,773)	90,969	(61,804)	21	(61,783)
JUNE	(4,067,848)	(5,246,001)	1,178,153	5.50%	9/12	(216,398)	48,599	(167,799)	0	(167,799)
JULY	(4,636,510)	(5,658,608)	1,020,089	5.50%	8/12	(207,408)	37,403	(170,005)	143	(169,862)
AUGUST	(5,024,856)	(5,664,761)	639,844	5.50%	7/12	(181,743)	20,528	(161,214)	12	(161,202)
<b>TOTAL FY 2019</b>	<b>(4,016,318)</b>	<b>1,064,877</b>	<b>(5,072,895)</b>			<b>417,010</b>	<b>(727,657)</b>	<b>(310,647)</b>	<b>426</b>	<b>(310,221)</b>

**ACTUAL FISCAL YEAR 2019  
PHILADELPHIA GAS WORKS**

Rate	7/1/2018	Split Month 9/1/2018	10/1/2018	Split Month 12/1/2018	1/1/2019	Split Month 3/1/2019	4/1/2019	Split Month 6/1/2019	7/1/2019
BAC in Effect	\$ 3.8317	\$ 3.8831	\$ 4.1544	\$ 4.4303	\$ 4.7062	\$ 4.8402	\$ 4.8742	\$ 4.8822	\$ 4.3901
BAC in Effect	\$ (0.0081)	\$ (0.1483)	\$ (0.2884)	\$ (0.2871)	\$ (0.2247)	\$ (0.1578)	\$ (0.0804)	\$ (0.0821)	\$ (0.0737)
IRC in Effect	\$ (0.0016)	\$ (0.0017)	\$ (0.0017)	\$ (0.0055)	\$ (0.0082)	\$ (0.0078)	\$ (0.0050)	\$ (0.0050)	\$ (0.0040)
Total Effective	\$ 3.8210	\$ 3.7422	\$ 3.8653	\$ 4.1678	\$ 4.4723	\$ 4.6751	\$ 4.7778	\$ 4.7952	\$ 4.2724
<b>Percentage of Total</b>									
C-Factor	100.3%	104.0%	107.8%	108.3%	106.2%	103.5%	102.0%	101.8%	101.8%
E-Factor	-0.3%	-4.0%	-7.8%	-8.2%	-8.0%	-3.4%	-1.8%	-1.8%	-1.7%
IRC-Factor	0.0%	0.0%	0.0%	-0.1%	-0.2%	-0.2%	-0.1%	-0.1%	-0.1%
Total	100%	100%	100%	100%	100%	100%	100%	100%	100%

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C-Factor	7/1/2018	Split Month 9/1/2018	10/1/2018	Split Month 12/1/2018	1/1/2019	Split Month 3/1/2019	4/1/2019	Split Month 6/1/2019	7/1/2019
Demand Charge in Effect	\$ 0.8835	\$ 1.0108	\$ 1.1382	\$ 1.3801	\$ 1.6221	\$ 1.4781	\$ 1.3300	\$ 1.3374	\$ 1.3448
Commodity in Effect	\$ 2.7482	\$ 2.8822	\$ 3.0182	\$ 3.0502	\$ 3.0841	\$ 3.3642	\$ 3.8442	\$ 3.3321	\$ 3.0189
Total Effective	\$ 3.6317	\$ 3.8930	\$ 4.1564	\$ 4.4303	\$ 4.7062	\$ 4.8402	\$ 4.8742	\$ 4.6685	\$ 4.3647
<b>Percentage of Total</b>									
Demand Charge in Effect	24.3%	28.0%	27.4%	31.2%	34.8%	30.2%	28.7%	28.8%	30.8%
Commodity in Effect	75.7%	72.0%	72.6%	68.8%	65.2%	69.8%	71.3%	71.2%	69.2%
Total	100%	100%	100%	100%	100%	100%	100%	100%	100%

Fiscal Year 2018 E-Factor	C-Factor (Percent)	E-Factor (Percent)	Interest (Percent)	FY 2018 Total E-Factor
\$ 10,484,734	\$ 378,813	\$ 671,438	\$ 11,435,982	

Actual Fiscal Year 2018-2019	Aug-2018 Actual	Oct-2018 Actual	Nov-2018 Actual	Dec-2018 Actual	Jan-2019 Actual	Feb-2019 Actual	Mar-2019 Actual	Apr-2019 Actual	May-2019 Actual	Jun-2019 Actual	Jul-2019 Actual	Aug-2019 Actual	FY-2019 Total
GCR Firm Sales	\$ 228,528	\$ 1,244,865	\$ 3,888,101	\$ 6,380,768	\$ 7,778,814	\$ 8,247,721	\$ 8,730,403	\$ 9,851,708	\$ 1,888,884	\$ 1,188,828	\$ 915,491	\$ 827,870	\$ 43,221,710
GCR Revenue Billed *	\$ 3,808,081	\$ 4,808,212	\$ 14,283,135	\$ 25,740,273	\$ 34,734,168	\$ 38,885,882	\$ 31,880,084	\$ 17,789,847	\$ 6,138,341	\$ 5,328,908	\$ 3,930,518	\$ 3,638,088	\$ 191,345,878
Migration Rider Revenue Billed	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Load Balancing Billed	\$ 118,414	\$ 111,281	\$ 113,201	\$ 132,144	\$ 138,673	\$ 138,538	\$ 143,823	\$ 198,308	\$ 198,828	\$ 202,902	\$ 202,718	\$ 204,812	\$ 1,800,821
LNG Sales Demand Charge Credit	\$ 834	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,232	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,085
Total Revenue Billed	\$ 3,928,329	\$ 4,919,493	\$ 14,396,336	\$ 25,872,417	\$ 34,872,841	\$ 37,024,420	\$ 31,882,218	\$ 17,988,237	\$ 6,337,289	\$ 5,531,810	\$ 4,133,234	\$ 3,742,890	\$ 193,249,582
Natural Gas Refunds	\$ -	\$ 2,740	\$ 214	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 425	\$ -	\$ 3,582	\$ 350	\$ 7,311
Demand Charges	\$ 4,828,933	\$ 4,889,828	\$ 3,887,485	\$ 3,988,548	\$ 3,884,758	\$ 3,883,180	\$ 4,923,422	\$ 5,888,854	\$ 5,781,513	\$ 6,888,080	\$ 7,080,480	\$ 6,882,888	\$ 83,103,833
Supply Charges	\$ 1,878,702	\$ 7,004,905	\$ 18,822,278	\$ 27,771,827	\$ 30,273,531	\$ 21,832,803	\$ 18,888,883	\$ 8,283,388	\$ 4,082,830	\$ 2,702,881	\$ 1,780,737	\$ 1,847,078	\$ 143,038,911
Net Cost of Fuel	\$ 8,888,838	\$ 11,884,731	\$ 22,788,780	\$ 31,738,375	\$ 34,238,287	\$ 23,788,083	\$ 23,380,285	\$ 12,274,022	\$ 8,844,343	\$ 8,888,881	\$ 8,841,227	\$ 8,830,887	\$ 208,142,748

\* The GCR Revenue Billed has been revised from November 2018 through August 2019

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**FISCAL YEAR 2019  
PHILADELPHIA GAS WORKS  
C-FACTOR RECONCILIATION**

MONTH	NET COST	TOTAL	C FACTOR	C FACTOR	LOAD BALANCING	LNG SALES GCR	TOTAL	NATURAL GAS	OVER/	CUMULATIVE
	OF FUEL	GCR		REVENUE			REVENUE		C FACTOR	
	1	2	% of GCR	4 = (2 * 3)	5	6	7 = (4 + 5 + 6)	8	9 = (7 + 8 - 1)	10
	(\$)	(\$)		(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)
SEPTEMBER 2018	6,806,635	3,506,061	104.0%	3,647,441	118,414	864	3,766,708	0	(3,039,927)	(3,039,927)
OCTOBER	11,894,731	4,806,212	107.5%	5,168,381	111,261	0	5,279,622	2,740	(8,812,369)	(9,652,296)
NOVEMBER	22,789,760	14,283,135	107.5%	15,359,371	113,201	0	15,472,572	214	(7,316,974)	(18,969,270)
DECEMBER	31,738,376	28,740,273	106.3%	28,424,452	132,144	0	28,556,596	0	(3,181,778)	(20,151,049)
JANUARY 2019	34,238,287	34,724,188	105.2%	36,540,232	138,673	0	36,678,905	0	2,440,618	(17,710,431)
FEBRUARY	25,796,063	36,895,982	105.2%	38,825,810	138,538	0	38,964,148	0	13,168,085	(4,542,346)
MARCH	23,390,285	31,880,064	103.6%	32,778,131	143,923	2,232	32,924,286	0	9,534,001	4,991,655
APRIL	12,274,022	17,799,947	102.0%	18,151,356	195,309	0	18,346,665	0	6,072,643	11,064,298
MAY	9,844,343	8,136,341	102.0%	8,296,969	198,928	0	8,495,897	425	(1,348,021)	9,716,277
JUNE	9,698,981	5,326,906	101.9%	5,428,201	202,902	0	5,631,103	0	(4,067,848)	5,648,429
JULY	8,841,227	3,930,519	101.8%	4,002,001	202,718	0	4,204,717	3,582	(4,632,928)	1,015,500
AUGUST	8,830,062	3,536,088	101.8%	3,600,387	204,812	0	3,805,209	350	(5,024,508)	(4,009,007)
Total	206,142,746	191,345,675		200,222,521	1,900,821	3,085	202,126,426	7,311	(4,009,007)	



**FISCAL YEAR 2019  
PHILADELPHIA GAS WORKS  
E-FACTOR RECONCILIATION**

		GCR SALES 1	TOTAL E-FACTOR VOLUMES 2	TOTAL GCR REVENUE BILLED 3	E-FACTOR % of GCR 4	E-FACTOR GCR REVENUE BILLED 5=(3*4)	OVER/(UNDER) PROJECTED RECOVERY 6
		(MCF)	(MCF)	(\$)		(\$)	(\$)
<b>PRIOR YEAR E-FACTOR</b>							\$ 11,435,982
<b>MONTH</b>							
SEPTEMBER 2018	Actual	928,526	928,526	\$ 3,506,061	-4.0%	\$ (139,834)	\$ 11,296,148
OCTOBER	Actual	1,244,665	1,244,665	\$ 4,806,212	-7.5%	\$ (360,034)	\$ 10,936,115
NOVEMBER	Actual	3,698,101	3,698,101	\$ 14,283,135	-7.5%	\$ (1,069,950)	\$ 9,866,164
DECEMBER	Actual	6,380,788	6,380,788	\$ 26,740,273	-6.2%	\$ (1,649,212)	\$ 8,216,952
JANUARY 2019	Actual	7,770,814	7,770,814	\$ 34,724,168	-5.0%	\$ (1,744,633)	\$ 6,472,319
FEBRUARY	Actual	8,247,721	8,247,721	\$ 36,895,962	-5.0%	\$ (1,853,749)	\$ 4,618,570
MARCH	Actual	6,730,403	6,730,403	\$ 31,660,064	-3.4%	\$ (1,066,938)	\$ 3,551,632
APRIL	Actual	3,651,708	3,651,708	\$ 17,799,947	-1.9%	\$ (329,879)	\$ 3,221,753
MAY	Actual	1,668,694	1,668,694	\$ 8,136,341	-1.9%	\$ (150,787)	\$ 3,070,966
JUNE	Actual	1,156,829	1,156,829	\$ 5,326,906	-1.8%	\$ (95,532)	\$ 2,975,434
JULY	Actual	915,491	915,491	\$ 3,930,519	-1.7%	\$ (67,802)	\$ 2,907,632
AUGUST	Actual	827,970	827,970	\$ 3,536,088	-1.7%	\$ (60,998)	\$ 2,846,633
		43,221,710	43,221,710	191,345,875		\$ (8,589,349)	

## Schedule 6(d)

**FISCAL YEAR 2019  
PHILADELPHIA GAS WORKS  
IRC FACTOR REVENUE BILLED**

<b>MONTH</b>	<b>TOTAL GCR REVENUE BILLED 1</b>	<b>IRC- FACTOR % of GCR 2</b>	<b>IRC-FACTOR REVENUE BILLED 3 = ( 1 * 2 )</b>
	<b>\$</b>		<b>\$</b>
<b>SEPTEMBER 2018</b>	3,506,061	-0.04%	(1,546)
<b>OCTOBER</b>	4,806,212	-0.04%	(2,115)
<b>NOVEMBER</b>	14,283,135	-0.04%	(6,285)
<b>DECEMBER</b>	26,740,273	-0.13%	(34,967)
<b>JANUARY 2019</b>	34,724,168	-0.21%	(71,431)
<b>FEBRUARY</b>	36,895,962	-0.21%	(75,899)
<b>MARCH</b>	31,660,064	-0.16%	(51,129)
<b>APRIL</b>	17,799,947	-0.12%	(21,530)
<b>MAY</b>	8,136,341	-0.12%	(9,841)
<b>JUNE</b>	5,326,906	-0.11%	(5,763)
<b>JULY</b>	3,930,519	-0.09%	(3,680)
<b>AUGUST</b>	<u>3,536,088</u>	-0.09%	<u>(3,311)</u>
<b>TOTALS</b>	191,345,675		(287,497)

**FISCAL YEAR 2019  
PHILADELPHIA GAS WORKS  
RECONCILIATION OF DEMAND CHARGES**

MONTH	DEMAND CHARGES		MONTHLY DEMAND OVER/(UNDER)	CUMULATIVE DEMAND OVER/(UNDER)
	LESS LOAD BALANCING CHARGE REVENUE	DEMAND REVENUE BILLED		
	1	2	3 = (2 - 1)	4
	\$	\$	\$	\$
SEPTEMBER 2018	4,707,666	938,578	(3,769,087)	(3,769,087)
OCTOBER	4,778,565	1,416,618	(3,361,947)	(7,131,035)
NOVEMBER	3,854,284	4,209,001	354,716	(6,776,318)
DECEMBER	3,834,404	8,806,291	4,971,887	(1,804,431)
JANUARY 2019	3,826,083	12,605,037	8,778,954	6,974,524
FEBRUARY	3,724,622	13,378,628	9,654,007	16,628,530
MARCH	4,777,267	9,934,411	5,157,144	21,785,674
APRIL	5,685,345	4,856,772	(828,573)	20,957,101
MAY	5,552,585	2,219,363	(3,333,222)	17,623,879
JUNE	6,793,158	1,547,157	(5,246,001)	12,377,878
JULY	6,887,774	1,231,175	(5,656,600)	6,721,278
AUGUST	<u>6,778,176</u>	<u>1,113,474</u>	<u>(5,664,701)</u>	1,056,577
TOTALS	61,199,928	62,256,505	1,056,577	

**ACTUAL / ESTIMATED DATA - FISCAL YEAR 2020  
PHILADELPHIA GAS WORKS**

Rate	7/1/2018	Split Month 9/1/2018	10/1/2018	Split Month 12/1/2018	1/1/2020
BSC in Effect	\$ 4.3501	\$ 4.4681	\$ 4.5860	\$ 4.6309	\$ 4.6757
GAC in Effect	\$ (0.0737)	\$ (0.0266)	\$ 0.0206	\$ 0.0279	\$ 0.0351
IRC in Effect	\$ (0.0040)	\$ (0.0038)	\$ (0.0038)	\$ 0.0016	\$ 0.0067
<b>Total Effective</b>	<b>\$ 4.2724</b>	<b>\$ 4.4377</b>	<b>\$ 4.6030</b>	<b>\$ 4.6603</b>	<b>\$ 4.7175</b>
<b>Percentage of Total</b>					
C-Factor	101.8%	100.7%	99.6%	99.4%	98.1%
E-Factor	-1.7%	-0.6%	0.4%	0.6%	0.7%
IRC-Factor	-0.1%	-0.1%	-0.1%	0.0%	0.1%
Total	100%	100%	100%	100%	100%

C-Factor	7/1/2018	Split Month 9/1/2018	10/1/2018	Split Month 12/1/2018	1/1/2020
Demand Charge in Effect	\$ 1.3403	\$ 1.8114	\$ 1.8825	\$ 1.9647	\$ 2.0489
Commodity in Effect	\$ 3.0098	\$ 2.6567	\$ 2.7035	\$ 2.6662	\$ 2.6288
<b>Total Effective</b>	<b>\$ 4.3501</b>	<b>\$ 4.4681</b>	<b>\$ 4.5860</b>	<b>\$ 4.6309</b>	<b>\$ 4.6757</b>
<b>Percentage of Total</b>					
Demand Charge in Effect	30.8%	36.1%	41.0%	42.4%	43.8%
Commodity in Effect	69.2%	63.9%	59.0%	57.6%	56.2%
Total	100%	100%	100%	100%	100%

Fiscal Year 2019 E-Factor	C-Factor Over/Under	E-Factor Over/Under	Interest Over/Under	FY 2019 Final E-Factor
	\$ (4,008,007)	\$ 2,848,633	\$ (310,221)	\$ (1,472,595)

Actual Fiscal Year 2018-2020	Sep-2019 Actual	Oct-2019 Actual
GCR Firm Sales	944,022	1,100,259
GCR Revenue Billed	\$ 4,228,589	\$ 5,068,955
Migration Rider Revenue Billed	\$ -	\$ -
Load Balancing Billed	\$ 210,704	\$ 218,471
LNG Sales Demand Charge Credit	\$ -	\$ 78,522
<b>Total Revenue Billed</b>	<b>\$ 4,439,293</b>	<b>\$ 5,365,947</b>
Natural Gas Refunds	\$ -	\$ 1,115
Demand Charges	\$ 6,912,195	\$ 7,233,417
Supply Charges	\$ 1,884,811	\$ 3,918,186
<b>Net Cost of Fuel</b>	<b>\$ 8,797,006</b>	<b>\$ 11,152,803</b>

Schedule 7(a)

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**FISCAL YEAR 2020  
PHILADELPHIA GAS WORKS  
C-FACTOR RECONCILIATION**

MONTH	NET COST	TOTAL	C FACTOR	C FACTOR	LOAD BALANCING	LNG SALES GCR	TOTAL	NATURAL GAS	OVER/	CUMULATIVE
	OF FUEL	GCR	% of GCR	REVENUE	REVENUE	BILLED REVENUE	C FACTOR	REFUNDS	(UNDER)	OVER/(UNDER)
	1	2	3	4 = (2 * 3)	5	6	7 = (4 + 5 + 6)	8	9 = (7 + 8 - 1)	10
	(\$)	(\$)		(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)
SEPTEMBER 2019	8,797,006	4,228,589	100.7%	4,257,508	210,704	0	4,468,212	0	(4,328,794)	(4,328,794)
OCTOBER	11,152,603	5,066,956	99.6%	5,048,241	218,471	76,522	5,343,234	1,115	(5,808,254)	(10,137,048)

**FISCAL YEAR 2020  
PHILADELPHIA GAS WORKS  
E-FACTOR RECONCILIATION**

		<b>GCR SALES</b>	<b>TOTAL E-FACTOR VOLUMES</b>	<b>TOTAL GCR REVENUE BILLED</b>	<b>E-FACTOR % of GCR</b>	<b>E-FACTOR GCR REVENUE BILLED</b>	<b>OVER(UNDER) PROJECTED RECOVERY</b>
		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5=(3*4)</b>	<b>6</b>
		<b>(MCF)</b>	<b>(MCF)</b>	<b>(\$)</b>		<b>(\$)</b>	<b>(\$)</b>
<b>PRIOR YEAR E-FACTOR</b>							\$ (1,472,595)
<b>MONTH</b>							
<b>SEPTEMBER 2019</b>	Actual	944,022	944,022	\$ 4,228,569	-0.8%	\$ (25,299)	\$ (1,497,894)
<b>OCTOBER</b>	Actual	1,100,259	1,100,259	\$ 5,066,955	0.4%	\$ 22,676	\$ (1,475,218)
<b>NOVEMBER</b>	Estimated	2,249,650	2,249,650	\$ 10,355,139	0.4%	\$ 48,343	\$ (1,428,875)
<b>DECEMBER</b>	Estimated	5,022,541	5,022,541	\$ 23,408,297		\$ 194,250	
<b>JANUARY 2020</b>	Estimated	9,275,862	9,275,862	\$ 43,758,880		\$ 358,749	
<b>FEBRUARY</b>	Estimated	7,841,746	7,841,746	\$ 38,983,437		\$ 303,284	
<b>MARCH</b>	Estimated	6,207,416	6,207,416	\$ 29,283,485		\$ 240,075	
<b>APRIL</b>	Estimated	3,944,330	3,944,330	\$ 18,907,378		\$ 152,549	
<b>MAY</b>	Estimated	1,726,767	1,726,767	\$ 8,146,022		\$ 66,784	
<b>JUNE</b>	Estimated	1,083,009	1,083,009	\$ 5,109,093		\$ 41,886	
<b>JULY</b>	Estimated	959,112	959,112	\$ 4,524,610		\$ 37,094	
<b>AUGUST</b>	Estimated	884,354	884,354	\$ 4,171,939		\$ 34,203	
		<b>38,945,136</b>	<b>38,945,136</b>	<b>174,001,140</b>		<b>1,428,875</b>	

**DECEMBER 1, 2019 E-FACTOR 0.0387**

## Schedule 7(d)

**FISCAL YEAR 2020  
PHILADELPHIA GAS WORKS  
IRC FACTOR REVENUE BILLED**

<b>MONTH</b>	<b>TOTAL GCR REVENUE BILLED 1</b>	<b>IRC- FACTOR % of GCR 2</b>	<b>IRC-FACTOR REVENUE BILLED 3 = ( 1 * 2 )</b>
	\$		\$
<b>SEPTEMBER 2019</b>	4,228,589	-0.09%	(3,621)
<b>OCTOBER</b>	5,066,955	-0.08%	(3,963)

**FISCAL YEAR 2020  
PHILADELPHIA GAS WORKS  
RECONCILIATION OF DEMAND CHARGES**

<b>MONTH</b>	<b>DEMAND CHARGES</b>	<b>DEMAND REVENUE BILLED</b>	<b>MONTHLY DEMAND OVER/(UNDER)</b>	<b>CUMULATIVE DEMAND OVER/(UNDER)</b>
	<b>LESS LOAD BALANCING CHARGE REVENUE</b>			
	<b>1</b>	<b>2</b>	<b>3 = (2 - 1)</b>	<b>4</b>
	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
<b>SEPTEMBER 2019</b>	6,701,491	1,521,197	(5,180,294)	(5,180,294)
<b>OCTOBER</b>	6,938,424	2,071,237	(4,867,187)	(10,047,481)



**CALCULATION OF RECOVERED CHARGES**  
**1st Qtr Filing**  
**December 1, 2019**

	<u>50% December</u>	<u>11.5 Months</u>	<u>Total</u>
			(MCF)                      (\$)
<b>S - Firm Sales (Mcf)</b>	2,511,270	39,206,500	41,717,771
<b>C-Factor</b>	\$ 4.5860	\$ 4.6757	
<b>Projected Recovery</b>	11,516,686	183,317,834	\$ 194,834,521
<b>S - Firm Sales (Mcf)</b>	2,511,270	39,206,500	41,717,771
<b>IRC-Factor</b>	\$ (0.0036)	\$ 0.0067	
<b>Projected Recovery</b>	(9,041)	262,684	\$ 253,643
<b>E-Factor Volumes (Mcf)</b>	2,511,270	39,206,500	41,717,771
<b>E-Factor</b>	\$ 0.0206	\$ 0.0351	
<b>Projected Recovery</b>	51,732	1,376,148	\$ 1,427,880
<b>GCR (\$ / Mcf)</b>	\$ 4.6030	\$ 4.7175	
<hr/>			
<b>GCR Projected Recovery</b>			\$ 196,516,044
<b>Load Balancing Revenue</b>			\$ 2,639,780
<b>LNG Sales Demand Revenue</b>			\$ 135,929
<b>TOTAL PROJECTED RECOVERY</b>			\$ 199,291,753

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## Schedule 9

**Change In Rates**  
**1st Quarter Filing**  
**Rates Effective December 1, 2019**

**Current Rates**

	09/01/19 <u>Distribution Charge</u> (1)	09/01/19 <u>GCR</u> (2)	09/01/19 <u>MFC</u> (3)	09/01/19 <u>GPC</u> (4)	08/01/19 Commodity <u>Rate</u> (5)=(1)+(2)+(3)+(4)
Residential GS	\$8.2733	\$4.6030	\$0.1731	\$0.0400	\$13.0894
Commercial GS	\$6.4803	\$4.6030	\$0.0285	\$0.0400	\$11.1518
Industrial GS	\$6.3148	\$4.6030	\$0.0180	\$0.0400	\$10.9758
Phila.Housing Authority (PHA)	\$6.6315	\$4.6030	\$0.0000	\$0.0400	\$11.2745
Municipal (MS)	\$5.8323	\$4.6030	\$0.0000	\$0.0400	\$10.4753
Phila.Housing Authority (GS)	\$7.2871	\$4.6030	\$0.0000	\$0.0400	\$11.9301

**December 1, 2019 - Distribution Charge**

	Delivery <u>Delivery Charge</u> (6)	Surcharges				Total <u>Total Surcharges</u> (11)=(7)+(8)+(9)+(10)	Distribution <u>Charge / Mcf</u> (12)=(11)+(6)
		Other Post Employment Benefit (7)	Efficiency Cost Recovery (8)	Universal Service & Ener. Cons. (9)	Restructuring & Consumer Education (10)		
Residential GS	\$6.6967	\$0.3362	\$0.0021	\$0.9826	\$0.0043	\$1.3252	\$8.0219
Commercial GS	\$4.8651	\$0.3362	\$0.0245	\$0.9826	\$0.0043	\$1.3476	\$6.2127
Industrial GS	\$4.7698	\$0.3362	(\$0.0312)	\$0.9826	\$0.0043	\$1.2919	\$6.0617
Phila.Housing Authority (PHA)	\$5.0163	\$0.3362	\$0.0245	\$0.9826	\$0.0043	\$1.3476	\$6.3639
Municipal (MS)	\$4.2723	\$0.3362	\$0.0000	\$0.9826	\$0.0043	\$1.3231	\$5.5954
Phila.Housing Authority (GS)	\$5.7105	\$0.3362	\$0.0021	\$0.9826	\$0.0043	\$1.3252	\$7.0357

**Proposed Rates**

	12/01/19 <u>Distribution Charge</u> (12)	12/01/19 <u>GCR</u> (13)	12/01/19 <u>MFC</u> (14)	12/01/19 <u>GPC</u> (15)	12/01/19 Commodity <u>Rate</u> (16)=(12)+(13)+(14)+(15)	<u>Difference</u> (17)=(16)-(5)
Residential GS	\$8.0219	\$4.7175	\$0.1774	\$0.0400	\$12.9568	(\$0.1326)
Commercial GS	\$6.2127	\$4.7175	\$0.0292	\$0.0400	\$10.9994	(\$0.1524)
Industrial GS	\$6.0617	\$4.7175	\$0.0184	\$0.0400	\$10.8376	(\$0.1382)
Phila.Housing Authority (PHA)	\$6.3639	\$4.7175	\$0.0000	\$0.0400	\$11.1214	(\$0.1531)
Municipal (MS)	\$5.5954	\$4.7175	\$0.0000	\$0.0400	\$10.3529	(\$0.1224)
Phila.Housing Authority (GS)	\$7.0357	\$4.7175	\$0.0000	\$0.0400	\$11.7932	(\$0.1369)

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**PHILADELPHIA GAS WORKS**  
**DECEMBER 1, 2019**  
**UNIVERSAL SERVICE & ENERGY CONSERVATION SURCHARGE**

	<b>Expenses in the Surcharge</b>
Enhanced Low Income Retrofit Program (ELIRP)	\$ 8,854,041
Customer Responsibility Program (CRP)	\$ 41,616,463
Conservation Incentive Credit	\$ -
Senior Citizen Discount *	\$ 2,317,675
<u>November 2019 Over Collection</u>	<u>\$ (5,511,553)</u>
Total \$ to be Recovered	\$ 47,276,626
 Total Applicable Volumes	 Mcf 48,114,183
Universal Service & Energy Conservation Surcharge	<u><u>\$ 0.9826</u></u>

\* This is the Senior Citizen Discount based on the Distribution Charge without the Universal Services Surcharge plus the GCR. This is used to calculate the Universal Services Surcharge. The total senior citizen discount is \$2,489,279.

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**STATEMENT OF RECONCILIATION  
UNIVERSAL SERVICES & ENERGY CONSERVATION SURCHARGE  
SEPTEMBER 2019 THROUGH November 2020**

<u>Month</u>		<u>USC Applicable Volumes</u>	<u>USC Charge</u>	<u>USC Revenue Billed</u>	<u>USC Expenses</u>	<u>Monthly Over/(Under) Recovery</u>	<u>Cumulative Over/(Under) Recovery</u>
FY 19 Reconciliation							(\$1,259,707)
FY 17 & FY 18 Conservation Incentive Credit							(\$561,850)
							(\$1,821,357)
September 2019	Actual	1,138,308	\$ 1,2605	\$ 1,434,778	\$ (1,582,662)	\$ 3,017,440	\$1,196,083
October	Actual	1,358,986	\$ 1,2195	\$ 1,857,263	\$ (432,631)	\$ 2,089,914	\$3,285,997
November	Estimated	2,679,198	\$ 1,2195	\$ 3,267,282	\$ 1,041,726	\$ 2,225,566	\$5,511,553

<u>USC Expenses</u>	<u>Sep-19</u>	<u>Oct-19</u>	<u>Nov-19</u>
ELIRP Expense	\$ (5,610)	\$ (5,610)	\$ (5,610)
ELIRP Labor	\$ 22,492	\$ 22,492	\$ 22,492
Conservation Incentive Credit	\$ -	\$ 227,500	\$ 100
CRP Discount	\$ (2,403,563)	\$ (1,749,547)	\$ (101,829)
CRP Forgiveness	\$ 732,550	\$ 978,824	\$ 980,640
Senior Citizen Discount	\$ 71,489	\$ 93,710	\$ 145,933
Bad Debt Expense Offset*	\$ -	\$ -	\$ -
Total	\$ (1,582,662)	\$ (432,631)	\$ 1,041,726

<u>CRP Participation</u>		
Rate Case Participation Rate	60,000	60,000
Actual Participation Rate*	52,717	53,395
CRP Under/(Over) Participation	7,283	6,605
<u>Average Shortfall Per CRP Participant</u>		
CRP Discount	\$ (2,403,563)	\$ (1,749,547)
Actual Participation Rate	52,717	53,395
Average Shortfall per CRP Participant	\$ (46)	\$ (33)
Shortfall*	\$ -	\$ -
Bad Debt Expense Offset* 7.5%	\$ -	\$ -

\*Bad Debt Expense Offset Applicable When Actual CRP Participation Exceeds 60,000

Schedule 11

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PA PUBLIC UTILITY COMMISSION  
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**STATEMENT OF RECONCILIATION  
UNIVERSAL SERVICES & ENERGY CONSERVATION SURCHARGE  
SEPTEMBER 2018 THROUGH AUGUST 2019**

Month	USC Applicable Volume	USC Change	USC Revenue Billed	USC Expenses	Monthly Over(Under) Recovery	Cumulative Over(Under) Recovery (\$3,768,061) (\$581,050) (\$4,330,331)
FY 18 Reconciliation						
FY 17 & FY 18 Conservation Incentive Credit **						
September 2018	Actual 1,088,293	\$ 1,5434	\$ 1,896,106	\$ (1,876,070)	\$ 3,572,085	(\$758,246)
October	Actual 1,511,556	\$ 1,4438	\$ 2,182,385	\$ 335,100	\$ 1,847,285	\$1,088,039
November	Actual 4,238,857	\$ 1,4438	\$ 6,120,082	\$ 4,723,078	\$ 1,396,083	\$2,485,122
December	Actual 7,139,381	\$ 1,2811	\$ 9,145,917	\$ 9,136,000	\$ 9,917	\$2,485,039
January 2019 **	Actual 5,711,081	\$ 1,1183	\$ 9,741,813	\$ 14,487,024	\$ (4,725,410)	(\$2,230,371)
February **	Actual 9,204,787	\$ 1,1183	\$ 10,293,714	\$ 13,862,448	\$ (3,568,734)	(\$5,829,106)
March	Actual 7,534,016	\$ 1,3721	\$ 10,337,423	\$ 12,168,081	\$ (1,829,557)	(\$7,458,663)
April	Actual 4,136,881	\$ 1,8259	\$ 6,729,284	\$ 7,020,871	\$ (294,387)	(\$7,753,050)
May	Actual 1,949,583	\$ 1,8259	\$ 3,189,794	\$ 2,805,861	\$ 583,833	(\$7,169,117)
June	Actual 1,357,417	\$ 1,4837	\$ 1,986,799	\$ 219,227	\$ 1,767,572	(\$5,421,545)
July	Actual 1,107,830	\$ 1,3014	\$ 1,441,885	\$ (879,074)	\$ 2,320,959	(\$3,100,586)
August	Actual 994,868	\$ 1,3014	\$ 1,294,868	\$ (548,020)	\$ 1,840,979	(\$1,259,707)

USC Expenses	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	FY19 Total
ELIRP Expense	\$ 4,554	\$ 797,695	\$ 437,794	\$ 204,587	\$ 1,482,413	\$ 658,324	\$ 1,025,045	\$ 593,420	\$ 791,735	\$ 801,875	\$ 594,775	\$ 1,205,185	\$ 8,488,082								
ELIRP Labor	\$ 16,281	\$ 12,938	\$ 21,293	\$ 14,961	\$ 15,288	\$ 15,362	\$ 19,488	\$ 17,340	\$ 13,102	\$ 14,438	\$ 13,862	\$ 15,831	\$ 169,970								
Conservation Incentive Credit **	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -								
CRP Discount	\$ (1,871,866)	\$ (1,297,866)	\$ 3,128,211	\$ 7,808,815	\$ 11,588,988	\$ 11,907,833	\$ 9,811,597	\$ 5,175,059	\$ 624,548	\$ (1,514,700)	\$ (2,382,929)	\$ (2,802,428)	\$ 40,374,980								
CRP Forgiveness	\$ (109,542)	\$ 711,525	\$ 862,430	\$ 863,825	\$ 812,018	\$ 837,832	\$ 836,884	\$ 834,174	\$ 1,010,877	\$ 823,821	\$ 823,224	\$ 789,330	\$ 8,776,388								
Senior Citizen Discount	\$ 83,684	\$ 110,598	\$ 274,251	\$ 443,822	\$ 568,317	\$ 573,287	\$ 473,087	\$ 300,873	\$ 166,501	\$ 94,183	\$ 72,204	\$ 88,082	\$ 3,225,787								
Bad Debt Expense Offset*	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -								
<b>Total</b>	<b>\$ (1,876,070)</b>	<b>\$ 335,100</b>	<b>\$ 4,723,078</b>	<b>\$ 9,136,000</b>	<b>\$ 14,487,024</b>	<b>\$ 13,862,448</b>	<b>\$ 12,168,981</b>	<b>\$ 7,020,871</b>	<b>\$ 2,805,861</b>	<b>\$ 219,227</b>	<b>\$ (879,074)</b>	<b>\$ (548,020)</b>	<b>\$ 81,065,215</b>								

CRP Participation	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19
Rate Case Participation Rate	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000							
Actual Participation Rate*	48,110	49,485	50,609	51,885	52,051	52,459	54,455	54,806	54,814	54,718	53,486	53,445								
CRP Under(Over) Participation	11,890	10,515	9,391	8,115	7,949	7,541	5,545	5,194	5,186	5,284	6,514	6,555								
<b>Average Shortfall Per CRP Participant</b>	<b>\$ (1,871,866)</b>	<b>\$ (1,297,866)</b>	<b>\$ 3,128,211</b>	<b>\$ 7,808,815</b>	<b>\$ 11,588,988</b>	<b>\$ 11,907,833</b>	<b>\$ 9,811,597</b>	<b>\$ 5,175,059</b>	<b>\$ 624,548</b>	<b>\$ (1,514,700)</b>	<b>\$ (2,382,929)</b>	<b>\$ (2,802,428)</b>								
CRP Discount	\$ (1,871,866)	\$ (1,297,866)	\$ 3,128,211	\$ 7,808,815	\$ 11,588,988	\$ 11,907,833	\$ 9,811,597	\$ 5,175,059	\$ 624,548	\$ (1,514,700)	\$ (2,382,929)	\$ (2,802,428)								
Actual Participation Rate	48,110	49,485	50,609	51,885	52,051	52,459	54,455	54,806	54,814	54,718	53,486	53,445								
Average Shortfall per CRP Participant	\$ (39)	\$ (26)	\$ 62	\$ 150	\$ 223	\$ 227	\$ 180	\$ 94	\$ 11	\$ (28)	\$ (45)	\$ (48)								
Shortfall*	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -								
Bad Debt Expense Offset** 7.5%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -								

\*Bad Debt Expense Offset Applicable When Actual CRP Participation Exceeds 60,000  
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Schedule 13(a)

**EFFICIENCY COST RECOVERY (ECR) SURCHARGE**  
**December 1, 2019**

<u>Program</u>	<u>Residential &amp; PHA GS</u>	<u>Commercial &amp; PHA</u>	<u>Industrial</u>	<u>Total</u>
<b>Residential Heating Equipment Rebate (RHER)</b>				
Program Expense	\$423,032	\$18,699	\$2,145	\$443,875
Labor Expense	\$18,532	\$794	\$74	\$19,400
<b>Commercial &amp; Industrial Retrofit Incentive (CIRI)</b>				
Program Expense	\$148,657	\$28,584	\$0	\$177,241
Labor Expense	\$3,064	\$2,977	\$0	\$6,041
<b>Commercial &amp; Industrial Equipment Rebate (CIER)</b>				
Program Expense	\$11,959	\$690,401	\$16,568	\$718,928
Labor Expense	\$239	\$14,768	\$427	\$15,435
<b>High-Efficiency Construction Incentive (HECI)</b>				
Program Expense	\$152,594	-\$157,661	\$0	-\$5,067
Labor Expense	\$4,633	-\$3,023	\$0	\$1,611
<b>Comprehensive Residential Retrofit Incentive (CRRI)</b>				
Program Expense	\$0	\$0	\$0	\$0
Labor Expense	\$0	\$0	\$0	\$0
<b>Total Expense</b>	<b>\$762,710</b>	<b>\$595,540</b>	<b>\$19,214</b>	<b>\$1,377,464</b>
<b>Prior Period Reconciliation (11/31/19)</b>	<b>\$ (688,953)</b>	<b>\$ (320,119)</b>	<b>\$ (47,321)</b>	<b>\$ (1,056,394)</b>
<b>Total</b>	<b>\$73,757</b>	<b>\$275,421</b>	<b>-\$28,108</b>	<b>\$321,070</b>
<b>Volumes - Mcf (GCR Firm &amp; Firm Transportation)</b>	<b>35,123,167</b>	<b>11,248,018</b>	<b>899,489</b>	

<b>Efficiency Cost Recovery Surcharge / Mcf</b>	<b>\$0.0021</b>	<b>\$0.0245</b>	<b>(\$0.0312)</b>
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**EFFICIENCY COST RECOVERY (ECR) SURCHARGE  
STATEMENT OF RECONCILIATION  
FISCAL YEAR 2020**

		<u>Actual</u> <u>Sep-19</u>	<u>Actual</u> <u>Oct-19</u>	<u>Estimated</u> <u>Nov-19</u>
<b><u>RESIDENTIAL &amp; PHA GS</u></b>				
<b>FY 2019 Over-Collection</b>	<b>\$ 600,385</b>			
<b>Volume Billed</b>		673,192	841,321	1,787,612
<b>ECR Surcharge</b>		<u>\$ 0.0110</u>	<u>\$ 0.0166</u>	<u>\$ 0.0166</u>
<b>Revenue Billed</b>		\$ 7,371	\$ 13,966	\$ 29,674
<b>RHER</b>	<b>Expense</b>	\$ 81,353	\$ 25,311	\$ 34,980
<b>RHER</b>	<b>Labor</b>	\$ (1,539)	\$ 1,097	\$ 1,639
<b>HECI</b>	<b>Expense</b>	\$ (78,991)	\$ 2,137	\$ 15,242
<b>HECI</b>	<b>Labor</b>	\$ (2,516)	\$ 222	\$ 462
<b>CRR1</b>	<b>Expense</b>	\$ -	\$ -	\$ -
<b>CRR1</b>	<b>Labor</b>	\$ -	\$ -	\$ -
<b>CIRI</b>	<b>Expense</b>	\$ (126,730)	\$ 3,504	\$ 15,598
<b>CIRI</b>	<b>Labor</b>	\$ (1,406)	\$ 234	\$ 291
<b>CIER</b>	<b>Expense</b>	\$ (9,535)	\$ 53	\$ 1,180
<b>CIER</b>	<b>Labor</b>	<u>\$ (167)</u>	<u>\$ 3</u>	<u>\$ 23</u>
<b>Total</b>		\$ (139,531)	\$ 32,560	\$ 69,415
<b>Monthly Over/(Under)</b>		\$ 146,903	\$ (18,594)	\$ (39,740)
<b>Cumulative Over/(Under)</b>		\$ 747,287	\$ 728,693	\$ 688,953
<b><u>COMMERCIAL &amp; PHA</u></b>				
<b>FY 2019 Over-Collection</b>	<b>\$ 356,338</b>			
<b>Volume Billed</b>		423,048	466,216	779,282
<b>ECR Surcharge</b>		<u>\$ 0.0597</u>	<u>\$ 0.0552</u>	<u>\$ 0.0552</u>
<b>Revenue Billed</b>		\$ 25,256	\$ 25,735	\$ 43,016
<b>RHER</b>	<b>Expense</b>	\$ 6,942	\$ 958	\$ 938
<b>RHER</b>	<b>Labor</b>	\$ 78	\$ 42	\$ 48
<b>CRR1</b>	<b>Expense</b>	\$ -	\$ -	\$ -
<b>CRR1</b>	<b>Labor</b>	\$ -	\$ -	\$ -
<b>CIRI</b>	<b>Expense</b>	\$ 31,849	\$ 5,820	\$ 1,674
<b>CIRI</b>	<b>Labor</b>	\$ (3)	\$ 389	\$ 251
<b>CIER</b>	<b>Expense</b>	\$ (237,368)	\$ 9,789	\$ 65,620
<b>CIER</b>	<b>Labor</b>	\$ (2,500)	\$ 525	\$ 1,344
<b>HECI</b>	<b>Expense</b>	\$ 256,197	\$ 1,746	\$ (19,619)
<b>HECI</b>	<b>Labor</b>	<u>\$ 5,726</u>	<u>\$ 181</u>	<u>\$ (401)</u>
<b>Total</b>		\$ 60,920	\$ 19,450	\$ 49,856
<b>Monthly Over/(Under)</b>		\$ (35,664)	\$ 6,285	\$ (6,840)
<b>Cumulative Over/(Under)</b>		\$ 320,674	\$ 326,959	\$ 320,119
<b><u>INDUSTRIAL</u></b>				
<b>FY 2018 Over-Collection</b>	<b>\$ 49,225</b>			
<b>Volume Billed</b>		30,519	37,952	70,160
<b>ECR Surcharge</b>		<u>\$ (0.0225)</u>	<u>\$ (0.0150)</u>	<u>\$ (0.0150)</u>
<b>Revenue Billed</b>		\$ (685)	\$ (569)	\$ (1,052)
<b>RHER</b>	<b>Expense</b>	\$ (1,724)	\$ 31	\$ 226
<b>RHER</b>	<b>Labor</b>	\$ (59)	\$ 1	\$ 8
<b>CIRI</b>	<b>Expense</b>	\$ -	\$ -	\$ -
<b>CIRI</b>	<b>Labor</b>	\$ -	\$ -	\$ -
<b>CIER</b>	<b>Expense</b>	\$ 2	\$ 202	\$ 865
<b>CIER</b>	<b>Labor</b>	<u>\$ 13</u>	<u>\$ 11</u>	<u>\$ 21</u>
<b>Total</b>		\$ (1,769)	\$ 246	\$ 1,120
<b>Monthly Over/(Under)</b>		\$ 1,083	\$ (815)	\$ (2,172)
<b>Cumulative Over/(Under)</b>		\$ 50,309	\$ 49,494	\$ 47,321

**EFFICIENCY COST RECOVERY (ECR) SURCHARGE  
STATEMENT OF RECONCILIATION  
SEPTEMBER 2018 - AUGUST 2019**

		Actual Sep-18	Actual Oct-18	Actual Nov-18	Actual Dec-18	Actual Jan-19	Actual Feb-19	Actual Mar-19	Actual Apr-19	Actual May-19	Actual Jun-19	Actual Jul-19	Estimated Aug-19	Total FY2019
<b>RESIDENTIAL &amp; PHA 09</b>														
FY 2018 Over-Collection		\$ 482,658												
Volume Billed		662,388	635,081	3,022,500	5,368,087	6,553,283	7,023,713	5,099,081	3,093,500	1,355,688	885,148	685,707	801,438	30,915,000
ECR Surcharge		\$ 0.0189	\$ 0.0199	\$ 0.0199	\$ 0.0250	\$ 0.0301	\$ 0.0301	\$ 0.0280	\$ 0.0219	\$ 0.0219	\$ 0.0138	\$ 0.0053	\$ 0.0052	
Revenue Billed		\$ 13,052	\$ 16,515	\$ 59,846	\$ 133,933	\$ 197,254	\$ 211,414	\$ 148,170	\$ 67,740	\$ 29,690	\$ 12,038	\$ 3,634	\$ 3,189	\$ 806,488
RHER	Expense	\$ 408	\$ 14,240	\$ 13,304	\$ 36,421	\$ 81,168	\$ 54,380	\$ 83,988	\$ 60,651	\$ (2,573)	\$ 25,904	\$ 49,100	\$ 49,100	
RHER	Labor	\$ 1,451	\$ 1,153	\$ (1,465)	\$ 1,333	\$ 1,363	\$ 1,678	\$ 1,773	\$ 1,578	\$ 2,489	\$ 1,313	\$ 1,242	\$ 1,242	
HECI	Expense	\$ 82	\$ 1,958	\$ (1,738)	\$ 8,912	\$ 16,275	\$ (16,199)	\$ 2,135	\$ 3,101	\$ 63,598	\$ 428	\$ 960	\$ 960	
HECI	Labor	\$ 292	\$ 232	\$ (524)	\$ 268	\$ 274	\$ (350)	\$ 58	\$ 51	\$ 2,797	\$ 43	\$ 40	\$ 40	
CRRI	Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
CRRI	Labor	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
CIRI	Expense	\$ 80	\$ 118	\$ (122)	\$ 9,882	\$ 295	\$ (10,231)	\$ -	\$ -	\$ 128,787	\$ -	\$ -	\$ -	
CIRI	Labor	\$ 218	\$ 171	\$ (387)	\$ 198	\$ 203	\$ (481)	\$ -	\$ -	\$ 1,880	\$ -	\$ -	\$ -	
CIER	Expense	\$ 1	\$ 49	\$ (50)	\$ 43	\$ 455	\$ (498)	\$ -	\$ -	\$ 9,538	\$ -	\$ -	\$ -	
CIER	Labor	\$ 3	\$ 2	\$ (6)	\$ 3	\$ 3	\$ (6)	\$ -	\$ -	\$ 170	\$ -	\$ -	\$ -	
Total		\$ 2,511	\$ 17,821	\$ 9,013	\$ 55,060	\$ 100,036	\$ 28,352	\$ 87,951	\$ 65,381	\$ 224,484	\$ 27,888	\$ 51,341	\$ 51,341	
Monthly Over(Under)		\$ 10,540	\$ 894	\$ 50,833	\$ 78,673	\$ 97,218	\$ 183,061	\$ 80,224	\$ 2,388	\$ (194,775)	\$ (15,948)	\$ (47,707)	\$ (48,154)	
Cumulative Over(Under)		\$ 413,198	\$ 414,090	\$ 464,923	\$ 543,796	\$ 641,014	\$ 824,076	\$ 904,300	\$ 906,688	\$ 711,893	\$ 696,245	\$ 648,538	\$ 600,385	
<b>COMMERCIAL &amp; PHA</b>														
FY 2018 Over-Collection		\$ 366,727												
Volume Billed		363,598	520,371	1,059,399	1,515,558	1,873,082	1,869,051	1,573,165	900,948	535,983	418,709	380,870	352,430	11,352,214
ECR Surcharge		\$ 0.0603	\$ 0.0529	\$ 0.0529	\$ 0.0470	\$ 0.0411	\$ 0.0411	\$ 0.0408	\$ 0.0405	\$ 0.0406	\$ 0.0524	\$ 0.0642	\$ 0.0642	
Revenue Billed		\$ 18,289	\$ 27,528	\$ 56,041	\$ 71,231	\$ 78,083	\$ 78,407	\$ 64,185	\$ 36,452	\$ 21,707	\$ 21,919	\$ 24,452	\$ 22,626	\$ 517,820
RHER	Expense	\$ 22	\$ 784	\$ (786)	\$ 1,955	\$ 4,356	\$ 485	\$ 2,169	\$ 2,056	\$ (2,382)	\$ 878	\$ 1,984	\$ 1,984	
RHER	Labor	\$ 78	\$ 82	\$ (140)	\$ 72	\$ 73	\$ 42	\$ 60	\$ 53	\$ 3	\$ 45	\$ 42	\$ 42	
CRRI	Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
CRRI	Labor	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
CIRI	Expense	\$ 90	\$ 189	\$ (199)	\$ 16,139	\$ 482	\$ 9,701	\$ 7,463	\$ 7,454	\$ (41,328)	\$ 197	\$ 5,372	\$ 5,372	
CIRI	Labor	\$ 352	\$ 280	\$ (832)	\$ 324	\$ 331	\$ 74	\$ 680	\$ 605	\$ (2,013)	\$ 504	\$ 476	\$ 476	
CIER	Expense	\$ 139	\$ 7,836	\$ 24,835	\$ 8,059	\$ 73,102	\$ 28,300	\$ 18,078	\$ 14,985	\$ 225,358	\$ 1,578	\$ 32,473	\$ 32,473	
CIER	Labor	\$ 490	\$ 396	\$ 433	\$ 458	\$ 488	\$ 1,633	\$ 815	\$ 547	\$ 2,089	\$ 455	\$ 431	\$ 431	
HECI	Expense	\$ 25	\$ 513	\$ 16,530	\$ 2,139	\$ 5,037	\$ 24,388	\$ 14,855	\$ 21,581	\$ (85,066)	\$ 2,907	\$ 6,678	\$ 6,678	
HECI	Labor	\$ 90	\$ 72	\$ 537	\$ 83	\$ 85	\$ 474	\$ 400	\$ 350	\$ (2,997)	\$ 298	\$ 280	\$ 280	
Total		\$ 1,304	\$ 10,112	\$ 40,378	\$ 28,128	\$ 83,935	\$ 85,078	\$ 44,319	\$ 47,838	\$ 94,595	\$ 9,922	\$ 47,418	\$ 47,418	
Monthly Over(Under)		\$ 16,985	\$ 17,416	\$ 15,982	\$ 43,103	\$ (6,852)	\$ 11,331	\$ 19,886	\$ (11,186)	\$ (72,856)	\$ 14,968	\$ (22,964)	\$ (24,780)	
Cumulative Over(Under)		\$ 372,712	\$ 390,128	\$ 405,790	\$ 448,893	\$ 441,941	\$ 453,273	\$ 473,139	\$ 461,952	\$ 389,095	\$ 404,093	\$ 381,128	\$ 358,338	
<b>INDUSTRIAL</b>														
FY 2018 Over-Collection		\$ 77,348												
Volume Billed		30,295	43,389	89,550	119,894	153,457	142,280	117,521	67,107	42,946	30,381	29,835	30,883	867,918
ECR Surcharge		\$ 0.0531	\$ 0.0598	\$ 0.0598	\$ (0.0075)	\$ (0.0718)	\$ (0.0718)	\$ (0.0548)	\$ (0.0376)	\$ (0.0376)	\$ (0.0338)	\$ (0.0299)	\$ (0.0299)	
Revenue Billed		\$ 1,600	\$ 2,456	\$ 5,069	\$ (899)	\$ (10,088)	\$ (10,167)	\$ (6,417)	\$ (2,523)	\$ (1,815)	\$ (1,025)	\$ (865)	\$ (923)	\$ (28,398)
RHER	Expense	\$ 0	\$ 17	\$ (17)	\$ 43	\$ 95	\$ (138)	\$ -	\$ -	\$ 1,724	\$ -	\$ -	\$ -	
RHER	Labor	\$ 2	\$ 1	\$ (3)	\$ 2	\$ 2	\$ (3)	\$ -	\$ -	\$ 81	\$ -	\$ -	\$ -	
CIRI	Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
CIRI	Labor	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
CIER	Expense	\$ 3	\$ 187	\$ (190)	\$ 166	\$ 1,742	\$ (1,908)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
CIER	Labor	\$ 12	\$ 0	\$ (21)	\$ 11	\$ 11	\$ (22)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total		\$ 17	\$ 214	\$ (232)	\$ 221	\$ 1,850	\$ (2,071)	\$ -	\$ -	\$ 1,785	\$ -	\$ -	\$ -	
Monthly Over(Under)		\$ 1,591	\$ 2,242	\$ 5,300	\$ (1,120)	\$ (12,837)	\$ (8,118)	\$ (6,417)	\$ (2,523)	\$ (3,398)	\$ (1,025)	\$ (865)	\$ (923)	
Cumulative Over(Under)		\$ 78,940	\$ 81,182	\$ 86,482	\$ 85,362	\$ 72,524	\$ 64,408	\$ 57,991	\$ 55,468	\$ 52,069	\$ 51,044	\$ 50,149	\$ 49,225	

Schedule 13 (c)



**PHILADELPHIA GAS WORKS  
LOAD BALANCING CHARGE  
DECEMBER 1, 2019**

<b>Storage and Peaking Asset Cost</b>	<b>\$ 22,066,018</b>
<b>Design Day Requirements (Mcf)</b>	<b>695,932</b>
<b>Fulfilled from FT Capacity (Mcf)</b>	<b><u>296,713</u></b>
<b>Fulfilled from Storage and Peaking Assets (Excess Mcf)</b>	<b>399,219</b>
<b>Annual Storage and Peaking Cost per Excess Mcf</b>	<b>\$ 55.2729</b>
<b>Per Mcf Over / (Under) Adjustment</b>	<b>\$ <u>(0.1517)</u></b>
<b>Load Balancing Charge</b>	<b>\$ 55.4246</b>

<b>Over / (Under) Recovery</b>	<b>\$ (81,643)</b>
<b>Interest</b>	<b>\$ <u>(5,041)</u></b>
<b>Total Over/(Under) Recovery</b>	<b>\$ (86,683)</b>
<b>Forecasted SSPC Volumes</b>	<b>571,540</b>
<b>Per Mcf Over / (Under) Adjustment</b>	<b>\$ (0.1517)</b>

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**Projected Unaccounted For Factor And Retainage Rate  
December 1, 2019**

<u>Fiscal Year</u>	<u>Firm Sendout (Mcf)</u>	<u>Accounted For Gas (Mcf)</u>	<u>Unaccounted For (Mcf)</u>	<u>3 Year Average</u>
2016-17	45,968,346	44,693,234	1,275,112	
2017-18	51,127,087	49,688,830	1,438,257	
2018-19	<u>50,736,512</u>	<u>49,455,116</u>	<u>1,281,396</u>	
<b>Total</b>	147,831,945	143,837,180	3,994,765	<b>2.7%</b>

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SECRETARY'S BUREAU

**Natural Gas Prices Used for PGW's - FY 2019-2020 - 1st Quarter GCR Filing**

**Basis Differentials**

	TRANSCO					TETCO					NYMEX Futures 11/01/19 Close	TRANSCO				TETCO																	
	Sta 30	Sta 45	Sta 65	Sta. 85	Zone 6- Non-NY	ELA	WLA	STX	M-1	M-2		Dom.S.Pl.	Sta 30	Sta 45	Sta 65	Sta. 85	Zone 6-Non-NY	ELA	WLA	STX	M-1	M-2											
	Nov-19																							2.597	2.51	2.57	2.54	2.57	2.42	2.47	2.52	2.50	2.44
Dec-19	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.13)	(0.10)	(0.14)	(0.42)	2.714	2.60	2.57	2.69	2.70	2.78	2.65	2.63	2.58	2.61	2.57	2.802	2.69	2.66	2.78	2.79	2.87	2.74	2.72	2.67	2.70	2.66
Jan-20	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.13)	(0.10)	(0.14)	(0.42)	2.762	2.65	2.62	2.74	2.75	2.83	2.70	2.68	2.63	2.66	2.62	2.631	2.52	2.49	2.61	2.62	2.70	2.57	2.55	2.50	2.53	2.49
Feb-20	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.13)	(0.10)	(0.14)	(0.42)	2.631	2.26	2.23	2.35	2.36	2.44	2.31	2.29	2.24	2.27	2.23	2.371	2.26	2.23	2.35	2.36	2.44	2.31	2.29	2.24	2.27	2.23
Mar-20	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.13)	(0.10)	(0.14)	(0.42)	2.345	2.24	2.21	2.33	2.34	2.42	2.29	2.27	2.22	2.25	2.21	2.345	2.24	2.21	2.33	2.34	2.42	2.29	2.27	2.22	2.25	2.21
Apr-20	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.13)	(0.10)	(0.14)	(0.42)	2.381	2.27	2.24	2.36	2.37	2.45	2.32	2.30	2.25	2.28	2.24	2.371	2.26	2.23	2.35	2.36	2.44	2.31	2.29	2.24	2.27	2.23
May-20	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.13)	(0.10)	(0.14)	(0.42)	2.423	2.31	2.28	2.40	2.41	2.49	2.36	2.34	2.29	2.32	2.28	2.423	2.31	2.28	2.40	2.41	2.49	2.36	2.34	2.29	2.32	2.28
Jun-20	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.13)	(0.10)	(0.14)	(0.42)	2.429	2.32	2.29	2.41	2.42	2.50	2.37	2.35	2.30	2.33	2.29	2.429	2.32	2.29	2.41	2.42	2.50	2.37	2.35	2.30	2.33	2.29
Jul-20	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.13)	(0.10)	(0.14)	(0.42)	2.413	2.30	2.27	2.39	2.40	2.48	2.35	2.33	2.28	2.31	2.31	2.413	2.30	2.27	2.39	2.40	2.48	2.35	2.33	2.28	2.31	2.31
Aug-20	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.13)	(0.10)	(0.14)	(0.42)	2.442	2.33	2.30	2.42	2.43	2.51	2.38	2.36	2.31	2.34	2.34	2.442	2.33	2.30	2.42	2.43	2.51	2.38	2.36	2.31	2.34	2.34
Sep-20	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.13)	(0.10)	(0.14)	(0.42)	2.506	2.40	2.37	2.49	2.50	2.58	2.45	2.43	2.38	2.41	2.41	2.506	2.40	2.37	2.49	2.50	2.58	2.45	2.43	2.38	2.41	2.41
Oct-20	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.13)	(0.10)	(0.14)	(0.42)																						
Nov-20	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.13)	(0.10)	(0.14)	(0.42)																						

Schedule 16

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## Schedule 17

**Actual Natural Gas Billed**

	<u>Jul-19</u>	<u>Aug-19</u>	<u>Sep-19</u>
Williams	\$ 3,516,763.91	\$ 3,518,800.33	\$ 3,396,739.74
Texas Eastern	\$ 3,446,477.31	\$ 3,526,938.39	\$ 3,437,325.08
Dominion	\$ 133,266.10	\$ 133,266.10	\$ 129,669.42
Equitrans	\$ -	\$ -	\$ -
Spot Purchases -Transco	\$ 25,688.88	\$ 33,931.22	\$ 25,091.92
Spot Purchases -Tetco	\$ -	\$ -	\$ -
Transco Supply2	\$ -	\$ -	\$ -
Transco Supply3	\$ -	\$ -	\$ -
Transco Supply6	\$ 316,200.00	\$ 295,275.00	\$ 285,750.00
Transco Supply7	\$ -	\$ -	\$ -
Transco Supply8	\$ -	\$ -	\$ -
Transco Supply10	\$ -	\$ -	\$ -
Transco Supply12	\$ -	\$ -	\$ -
Transco Supply14	\$ 776,550.00	\$ 674,250.00	\$ 652,500.00
Transco Supply17	\$ -	\$ -	\$ -
Transco Supply20	\$ -	\$ -	\$ -
Transco Supply21	\$ -	\$ -	\$ -
Transco Supply22	\$ -	\$ -	\$ -
Transco Supply23	\$ -	\$ -	\$ -
Transco Supply24	\$ -	\$ -	\$ -
Transco Supply25	\$ -	\$ -	\$ -
Transco Supply26	\$ -	\$ -	\$ -
Transco Supply27	\$ -	\$ -	\$ -
Transco Supply28	\$ -	\$ -	\$ -
Transco Supply29	\$ 319,300.00	\$ 299,150.00	\$ 289,500.00
Transco Supply30	\$ 476,308.50	\$ 863,566.00	\$ 382,490.00
Transco Supply31	\$ -	\$ -	\$ -
Transco Supply32	\$ 316,587.50	\$ 294,500.00	\$ 285,000.00
Transco Supply33	\$ -	\$ -	\$ -
Transco Supply34	\$ 35,070.50	\$ 945.50	\$ 915.00
Transco Supply35	\$ -	\$ -	\$ -
Transco Supply36	\$ 210,675.00	\$ -	\$ -
Transco Supply37	\$ 427,480.39	\$ 396,076.15	\$ 407,178.30
Tetco Supply1	\$ -	\$ -	\$ -
Tetco Supply2	\$ -	\$ -	\$ -
Tetco Supply3	\$ 4,650.00	\$ 4,650.00	\$ 4,500.00
Tetco Supply4	\$ -	\$ -	\$ -
Tetco Supply5	\$ -	\$ -	\$ -
Tetco Supply7	\$ -	\$ -	\$ -
Tetco Supply13	\$ -	\$ -	\$ -
Tetco Supply14	\$ -	\$ -	\$ -
Tetco Supply16	\$ 293,337.50	\$ 276,287.50	\$ 232,875.00
Tetco Supply17	\$ -	\$ -	\$ -
Tetco Supply18	\$ -	\$ -	\$ -
Tetco Supply19	\$ -	\$ -	\$ -
Tetco Supply20	\$ -	\$ -	\$ -
Tetco Supply21	\$ -	\$ -	\$ -
Tetco Supply22	\$ -	\$ -	\$ -
Tetco Supply23	\$ -	\$ -	\$ -
Tetco Supply24	\$ 1,075,320.00	\$ 902,243.75	\$ 749,400.00
Tetco Supply25	\$ -	\$ -	\$ -
Tetco Supply26	\$ 293,337.50	\$ 276,287.50	\$ 232,875.00
Tetco Supply27	\$ -	\$ -	\$ -
Tetco Supply28	\$ 585,900.00	\$ 551,800.00	\$ 465,000.00
Tetco Supply29	\$ -	\$ -	\$ -
Tetco Supply30	\$ -	\$ -	\$ -
Tetco Supply31	\$ -	\$ -	\$ -
Tetco Supply32	\$ -	\$ -	\$ -
<b>Total Costs</b>	<b>\$ 12,252,913</b>	<b>\$ 12,047,967</b>	<b>\$ 10,976,809</b>
Sharing Mechanism	\$ 72,543	\$ 73,975	\$ 96,186
Asset Management Agreement	\$ -	\$ -	\$ -
Off System Sales	\$ -	\$ -	\$ -
Gas Transportation Purchases	\$ -	\$ -	\$ -
Adjustment/Reconciliation	\$ 37,993	\$ (161,075)	\$ -
<b>Total Natural Gas Billed</b>	<b>\$ 12,363,449</b>	<b>\$ 11,960,867</b>	<b>\$ 11,072,995</b>

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**Philadelphia Gas Works  
Summary of Fuels Purchased  
Three Months Ending September 2019**

	Actual				Total	Projected 3rd Qtr Filing Jul-19	Projected 4th Qtr Filing Aug-19	Projected 4th Qtr Filing Sep-19	Total	Actual Over/Under vs. Projected			
	Jul-19	Aug-19	Sep-19	Total						Jul-19	Aug-19	Sep-19	Total
<b>Total Natural Gas Billed</b>	\$ 12,363,449	\$ 11,980,987	\$ 11,072,995	\$ 35,397,311	\$ 13,886,349	\$ 12,750,622	\$ 14,570,333	\$ 41,007,304	\$ (1,322,900)	\$ (786,795)	\$ (3,487,338)	\$ (5,600,993)	
Less Imbalance Charge	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Less Interruptible Credit	\$ 4,164	\$ 3,048	\$ 22,749	\$ 29,961	\$ 133,852	\$ 124,141	\$ 106,685	\$ 364,778	\$ (129,488)	\$ (121,063)	\$ (89,239)	\$ (339,817)	
Gas Used For Utility	\$ 7,183	\$ 4,527	\$ 11,895	\$ 23,585	\$ 29,882	\$ 28,241	\$ 22,801	\$ 77,925	\$ (19,799)	\$ (23,714)	\$ (10,708)	\$ (54,218)	
	\$ 12,362,122	\$ 11,983,292	\$ 11,094,351	\$ 35,343,765	\$ 13,525,738	\$ 12,598,240	\$ 14,438,747	\$ 40,562,723	\$ (1,173,614)	\$ (844,948)	\$ (3,400,386)	\$ (5,218,958)	
<b>Pipeline Storages</b>													
(To)	\$ (3,575,134)	\$ (3,275,783)	\$ (2,322,038)	\$ (9,172,953)	\$ (4,087,385)	\$ (4,308,258)	\$ (5,830,392)	\$ (14,327,045)	\$ 512,291	\$ 1,033,475	\$ 3,608,358	\$ 5,154,092	
From	\$ (139,888)	\$ (52,393)	\$ (89,882)	\$ (282,063)	\$ -	\$ -	\$ -	\$ -	\$ (139,888)	\$ (52,393)	\$ (89,882)	\$ (282,063)	
Net Pipeline Storages	\$ (3,715,122)	\$ (3,328,176)	\$ (2,411,718)	\$ (9,455,016)	\$ (4,087,385)	\$ (4,308,258)	\$ (5,830,392)	\$ (14,327,045)	\$ 372,273	\$ 981,082	\$ 3,518,874	\$ 4,872,029	
<b>LNG Storages</b>													
(To)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (7,582)	\$ (7,582)	\$ -	\$ -	\$ 7,582	\$ 7,582	
From	\$ 189,784	\$ 173,965	\$ 171,292	\$ 514,961	\$ 235,374	\$ 239,513	\$ 232,132	\$ 707,019	\$ (85,810)	\$ (85,948)	\$ (89,880)	\$ (182,438)	
Net LNG Storage	\$ 189,784	\$ 173,965	\$ 171,292	\$ 514,961	\$ 235,374	\$ 239,513	\$ 224,570	\$ 699,437	\$ (85,810)	\$ (85,948)	\$ (83,318)	\$ (184,876)	
Net Natural Gas	\$ 8,826,784	\$ 8,798,081	\$ 8,797,865	\$ 26,423,330	\$ 8,873,714	\$ 8,528,498	\$ 8,732,925	\$ 26,135,135	\$ (868,951)	\$ 270,185	\$ 84,980	\$ (531,805)	
<b>APPLICABLE OGR EXPENSES</b>													
Net Natural Gas Expense	\$ 8,826,784	\$ 8,798,081	\$ 8,797,865	\$ 26,423,330	\$ 8,873,715	\$ 8,528,498	\$ 8,732,925	\$ 26,135,135	\$ (868,951)	\$ 270,185	\$ 84,980	\$ (531,805)	
Purchased Electric & Misc	\$ 34,483	\$ 31,388	\$ 31,570	\$ 97,419	\$ 36,374	\$ 30,928	\$ 31,859	\$ 101,982	\$ (4,911)	\$ 458	\$ (89)	\$ (4,543)	
Total OGR Expenses	\$ 8,841,227	\$ 8,830,097	\$ 8,829,435	\$ 26,500,749	\$ 8,913,089	\$ 8,559,424	\$ 8,764,584	\$ 27,037,097	\$ (871,882)	\$ 270,643	\$ 84,871	\$ (536,348)	

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Schedule 18



Eckert Seamans Cherin & Mellott, LLC  
213 Market Street  
8<sup>th</sup> Floor  
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www.eckertseamans.com

Deanne M. O'Dell  
717.255.3744  
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December 16, 2019

**Via Electronic Filing**

Rosemary Chiavetta, Secretary  
PA Public Utility Commission  
P.O. Box 3265  
Harrisburg, PA 17105-3265

Re: Philadelphia Gas Works ("PGW") January 1, 2020 Quarterly Distribution System Improvement Charge ("DSIC") Filing; Docket No. M-2019-

Dear Secretary Chiavetta:

Enclosed please find Philadelphia Gas Works' ("PGW") Gas Services Tariff No. 2 to be effective January 1, 2020. The Distribution System Improvement Charge ("DSIC") rate increases from the currently effective 7.29% to 7.5%. Schedules supporting the calculations are enclosed. Please do not hesitate to contact me with any questions.

Sincerely,

Deanne M. O'Dell

DMO/lww  
Enclosure

cc: Cert. of Service w/enc.  
Renardo Hicks ([ricks@pa.gov](mailto:ricks@pa.gov))  
Paul Diskin ([pdiskin@pa.gov](mailto:pdiskin@pa.gov))  
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Jennie Banzhof ([jbanzhof@pa.gov](mailto:jbanzhof@pa.gov))  
Deron Henry (<mailto:dehenry@pa.gov>) w/ supporting Excel files  
Raquel Guzman, Esq. w/enc.

**CERTIFICATE OF SERVICE**

I hereby certify that this day I served a copy of PGW's Quarterly DSIC filing upon the persons listed below in the manner indicated in accordance with the requirements of 52 Pa. Code Section 1.54.

**Via Email and/or First Class Mail**

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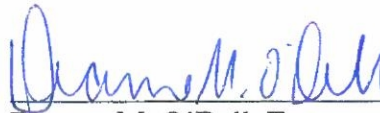
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PA Public Utility Commission  
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Dated: December 16, 2019

  
Deanne M. O'Dell, Esq.

PGW  
Gas Service Tariff  
Pa. P.U.C. No. 2  
  
Supplement No. 127



Supplement No. 127 to  
Gas Service Tariff – Pa P.U.C. No. 2  
One Hundred and Twenty Seventh Revised Page No. 1  
PHILADELPHIA GAS WORKS      Canceling One Hundred and Twenty Sixth Revised Page No. 1

## **PHILADELPHIA GAS WORKS**

### **GAS SERVICE TARIFF**



Issued by: Craig White  
President and CEO

PHILADELPHIA GAS WORKS  
800 West Montgomery Avenue  
Philadelphia, PA 19122

Supplement No. 127 to  
Gas Service Tariff – Pa P.U.C. No.2  
One Hundred and Twenty Second Revised Page No. 2  
PHILADELPHIA GAS WORKS Canceling One Hundred and Twenty First Revised Page No. 2

**List of Changes Made by this Tariff Supplement**

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Updated to reflect revised page numbers for each of the changes listed below on this page

**DISTRIBUTION SYSTEM IMPROVEMENT CHARGE (Page No. 151)**

Effective January 1, 2020, the DSIC percentage increases from the currently effective 7.29% to 7.5%.

PHILADELPHIA GAS WORKS

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## DISTRIBUTION SYSTEM IMPROVEMENT CHARGE (DSIC)

In addition to the net charges provided for in this Tariff, for service rendered on or after July 1, 2019, a charge of 7.5% will apply consistent with the Commission Order dated May 9, 2013, at Docket No. P-2012-2337737 approving the DSIC and the Commission Orders dated January 28, 2016, and July 6, 2016, at Docket No. P-2015-2501500 modifying the terms and conditions of the DSIC.

(I)

### 1. General Description

**A. Purpose:** To recover the reasonable and prudent costs incurred to repair, improve, or replace eligible property which is completed and placed in service and recorded in the individual accounts, as noted below, between base rate cases and to provide the Utility with the resources to accelerate the replacement of aging infrastructure, to comply with evolving regulatory requirements. The costs of extending facilities to serve new customers are not recoverable through the DSIC.

**B. Eligible Property:** The DSIC-eligible property will consist of the following:

- Piping (account 376);
- Couplings (account 376);
- Gas services lines (account 380) and insulated and non-insulated fittings (account 378);
- Valves (account 376);
- Excess flow valves (account 376);
- Risers (account 376);
- Meter bars (account 382);
- Meters (account 381);
- Unreimbursed costs related to highway relocation projects where a natural gas distribution company or city natural gas distribution operation must relocate its facilities; and
- Other related capitalized costs.

**C. Effective Date:** The initial DSIC will become effective upon one (1) day notice after submission of a compliance tariff in compliance with commission order.

### 2. Computation of the DSIC

**A. Calculation:** The initial DSIC shall be calculated to recover the fixed costs of eligible plant additions that have not previously been reflected in the Utility's rates and have been or are projected to be placed in service in the calendar year in which the DSIC is charged. The DSIC charge shall be levelized so that, on an annual basis, it will collect the recoverable costs for eligible plant additions that have been or are anticipated to be placed in service during the calendar year. DSIC charges shall be reconciled and may be adjusted on a calendar quarter basis for: 1) actual experienced sales volumes; and 2) revisions to projected DSIC eligible capital expenditures.

(I) – Increase



# Supporting Schedules

**PHILADELPHIA GAS WORKS  
JANUARY 1, 2020 - QUARTERLY FILING  
DISTRIBUTION SYSTEM IMPROVEMENT CHARGE (DSIC)**

Projected Recoverable Annual Costs (DSI)	\$ 33,600,000
2018 Annual Reconciliation (e)	\$ 3,839,650 (Page 2)
Total Recoverable Costs (DSI + e)	\$ 37,439,650
Projected Annual Revenues (PAR)	\$ 450,253,779 (Page 3)
Distribution System Improvement Charge (DSIC)	<b>7.50%</b>

**Formula:** The formula for calculation of the DSIC is as follows:

$$\text{DSIC} = \frac{\text{DSI} + \text{e}}{\text{PAR}}$$

Where:

- DSI = Projected recoverable annual costs
- e = The amount calculated under the annual reconciliation feature or Commission audit.
- PAR = Projected annual revenues for distribution service (including all applicable clauses and riders) including any revenue from existing customers plus netted revenue from any customers which will be gained or lost by the beginning of the applicable service period.



**PHILADELPHIA GAS WORKS**  
**2018 DISTRIBUTION SYSTEM IMPROVEMENT CHARGE (DSIC) RECONCILIATION**

Month	DSIC Revenue Billed		Over / (Under) Collection Balance (3)	DSIC Recoverable Costs (4)		Over/(Under) Collection (6 = 5-4)	Interest Weighting (7)	Interest Rate* (8)	Interest** (9)
	Total DSIC Revenue Billed (1)	Allocated to (Under) Collection (2)		DSIC Recoverable Costs (4)	Allocated to Recoverable Costs (5 = 1 - 2)				
<b>2017 Under Collection</b>			<b>\$ (13,419,965)</b>						
January 18	\$ 8,626,322	\$ 2,489,014	\$ 2,489,014	\$ -	\$ 6,137,309	\$ 6,137,309	21	5.00%	\$ 537,015
February	\$ 6,118,705	\$ 1,765,473	\$ 4,254,487	\$ -	\$ 4,353,232	\$ 4,353,232	20	5.00%	\$ 362,769
March	\$ 5,470,211	\$ 1,578,359	\$ 5,832,845	\$ -	\$ 3,891,853	\$ 3,891,853	19	5.25%	\$ 323,510
April	\$ 4,962,824	\$ 1,604,347	\$ (5,982,773)	\$ -	\$ 3,358,477	\$ 3,358,477	18	5.50%	\$ 277,074
May	\$ 2,398,664	\$ 775,423	\$ (5,207,350)	\$ 2,303,244	\$ 1,623,241	\$ (680,003)	17	5.50%	\$ (52,984)
June	\$ 1,537,556	\$ 497,050	\$ (4,710,300)	\$ -	\$ 1,040,505	\$ 1,040,505	16	5.50%	\$ 76,304
July	\$ 1,387,764	\$ 448,627	\$ (4,261,673)	\$ -	\$ 939,137	\$ 939,137	15	5.50%	\$ 64,566
August	\$ 1,328,996	\$ 429,629	\$ (3,832,045)	\$ 7,525,299	\$ 899,368	\$ (6,625,931)	14	5.50%	\$ (425,164)
September	\$ 1,379,968	\$ 446,106	\$ (3,385,938)	\$ -	\$ 933,862	\$ 933,862	13	5.50%	\$ 55,643
October	\$ 1,504,122	\$ 485,809	\$ (2,900,129)	\$ -	\$ 1,018,312	\$ 1,018,312	12	5.50%	\$ 56,007
November	\$ 3,064,473	\$ 989,780	\$ (1,910,348)	\$ 9,311,862	\$ 2,074,693	\$ (7,237,169)	11	5.50%	\$ (364,874)
December	\$ 4,740,938	\$ 1,531,254	\$ (379,094)	\$ 13,799,824	\$ 3,209,684	\$ (10,590,140)	10	5.75%	\$ (507,444)
<b>Totals</b>	<b>\$ 42,520,544</b>	<b>\$ 13,040,871</b>	<b>\$ (3,839,650)</b>	<b>\$ 32,940,228</b>	<b>\$ 29,479,673</b>	<b>\$ (3,460,556)</b>			<b>\$ 402,422</b>
<b>2018 Under Collection</b>			<b>\$ (3,839,650)</b>						

\* Maximum Lawful Rate of Interest for Residential Mortgages for the month posted in the Pennsylvania Bulletin

\*\* Interest is not recoverable in net under-collections

**PHILADELPHIA GAS WORKS  
JANUARY 1, 2020 DSIC FILING  
Annual Tariff Revenue**

	1st Quarter Filing 12/1/2019			December 1, 2019 PUC Approved Tariff Rates						Amounts in \$000s						
	No. of Customers	No. of Annual Bills	Annual Deliveries (mcf)	Monthly Cust. Charge	OPFB	Univ. Service Charge	Efficiency Cost Recovery Charge	Restructuring & Consumer Education Charge	Delivery Charge	Cust. Charge Revenue	OPFB Revenue	Univ. Service Charge Revenue	Efficiency Cost Recovery Revenue	Restructuring & Consumer Education Revenue	Delivery Charge Revenue	Total Distribution Revenue
1 Non-Heating:																
2 Residential	14,819	177,828	370,262	\$13.75	\$0.3362	\$0.9856	\$0.0021	\$0.0043	\$6.6967	2,445	124	365	1	2	2,480	5,416
3 Commercial	3,277	39,319	907,828	\$23.40	\$0.3362	\$0.9856	\$0.0245	\$0.0043	\$4.8651	920	335	983	24	4	4,855	7,122
4 Industrial	106	1,269	106,913	\$70.00	\$0.3362	\$0.9856	\$(0.0312)	\$0.0043	\$4.7698	89	36	105	(3)	0	510	737
5 Municipal/MS	81	972	100,727	\$23.40	\$0.3362	\$0.9856	-	\$0.0043	\$4.2723	23	34	99	0	0	430	587
6 NGV	3	36	1,617	\$35.00	\$0.3362	\$0.9856	-	\$0.0043	\$1.2833	1	1	2	0	0	2	5
7 Total Non-Heat Firm	18,285	219,424	1,577,347							3,478	530	1,555	22	7	8,276	13,868
8																
9 Heating:																
10 Residential	445,239	5,342,863	32,989,466	\$13.75	\$0.3362	\$0.9856	\$0.0021	\$0.0043	\$6.6967	73,464	11,091	32,514	69	142	220,921	338,202
11 Commercial	18,168	218,010	6,087,802	\$23.40	\$0.3362	\$0.9856	\$0.0245	\$0.0043	\$4.8651	5,101	2,047	6,000	149	26	29,618	42,941
12 Industrial	379	4,548	373,954	\$70.00	\$0.3362	\$0.9856	\$(0.0312)	\$0.0043	\$4.7698	318	126	369	(12)	2	1,784	2,586
13 Municipal/MS	403	4,836	456,878	\$23.40	\$0.3362	\$0.9856	-	\$0.0043	\$4.2723	113	154	450	0	2	1,952	2,671
14 PHA Rate 8	215	2,580	43,630	\$23.40	\$0.3362	\$0.9856	\$0.0245	\$0.0043	\$5.0163	60	15	43	1	0	219	338
15 PHA/GS	2,022	24,264	178,491	\$13.75	\$0.3362	\$0.9856	\$0.0021	\$0.0043	\$5.7105	334	60	176	0	1	1,019	1,590
16 Total Heat Firm	466,425	5,597,101	40,130,221							79,391	13,492	39,552	208	173	255,512	388,328
17 Total Heat & Non-Heat Firm	484,710	5,816,525	41,707,568						82,869	14,022	41,107	230	179	263,788	402,196	
18																
19 Firm Transport																
20 Non-Heating:																
21 Residential	1,174	14,082	26,438	\$13.75	\$0.3362	\$0.9856	\$0.0021	\$0.0043	\$6.6967	194	9	26	0	0	177	406
22 Commercial	574	6,891	535,212	\$23.40	\$0.3362	\$0.9856	\$0.0245	\$0.0043	\$4.8651	161	180	528	13	2	2,604	3,488
23 Industrial	35	423	166,006	\$70.00	\$0.3362	\$0.9856	\$(0.0312)	\$0.0043	\$4.7698	30	56	164	(5)	1	792	1,036
24 Municipal/MS	172	2,064	67,547	\$23.40	\$0.3362	\$0.9856	-	\$0.0043	\$4.2723	48	23	67	0	0	289	426
25 NGV	0	0	0	\$55.00	\$0.3362	\$0.9856	-	\$0.0043	\$1.2833	0	0	0	0	0	0	0
26 Total Non Heat FT	1,955	23,460	795,203						433	267	784	8	8	3	3,861	5,357
27																
28 Heating:																
29 Residential	19,712	236,544	1,538,509	\$13.75	\$0.3362	\$0.9856	\$0.0021	\$0.0043	\$6.6967	3,252	524	1,536	3	7	10,437	15,759
30 Commercial	2,460	29,517	3,174,401	\$23.40	\$0.3362	\$0.9856	\$0.0245	\$0.0043	\$4.8651	691	1,067	3,129	78	14	15,444	20,422
31 Industrial	79	942	252,617	\$70.00	\$0.3362	\$0.9856	\$(0.0312)	\$0.0043	\$4.7698	66	85	249	(8)	1	1,205	1,598
32 Municipal/MS	197	2,364	379,254	\$23.40	\$0.3362	\$0.9856	-	\$0.0043	\$4.2723	55	128	374	0	2	1,620	2,179
33 PHA	876	10,776	409,144	\$13.75	\$0.3362	\$0.9856	-	\$0.0043	\$5.0163	148	138	403	0	2	2,052	2,743
34 Total Heat FT	23,345	280,143	5,773,926						4,213	1,941	5,691	73	25	30,758	42,701	
35 Total FT	25,300	303,603	6,569,129						4,645	2,209	6,475	81	28	34,620	48,057	
36																
37 Total PCW	510,011	6,120,128	48,276,696						87,515	16,231	47,582	311	208	298,408	450,254	

**PHILADELPHIA GAS WORKS**  
**DISTRIBUTION SYSTEM IMPROVEMENT CHARGE (DSIC)**  
**2019 REVENUE & RECOVERABLE COSTS - YTD**

<u>Month</u>		<u>Total DSIC</u> <u>Revenue Billed</u>	<u>DSIC Recoverable</u> <u>Costs</u>
January 2019	Actual	\$ 5,579,424	\$ -
February	Actual	\$ 5,883,125	\$ -
March	Actual	\$ 5,076,106	\$ -
April	Actual	\$ 3,092,647	\$ -
May	Actual	\$ 1,733,600	\$ 6,799,028
June	Actual	\$ 1,345,921	\$ -
July	Actual	\$ 1,162,005	\$ -
August	Actual	\$ 1,078,232	\$ 8,922,223
September	Actual	\$ 1,155,838	\$ -
October	Actual	\$ 1,274,872	\$ -
November	Actual	\$ 2,412,347	\$ 13,768,640

**PHILADELPHIA GAS WORKS  
 JANUARY 1, 2020 - QUARTERLY FILING  
DISTRIBUTION SYSTEM IMPROVEMENT CHARGE (DSIC)**

**RECOVERABLE COSTS - 9/1/19 to 11/30/19**

FERC Account #	PGW Project #	Location	Type	Costs				Total
				Sep-19	Oct-19	Nov-19		
376	411539 / 411649	4000 - 4600 N 9TH St 400 - 800 W Luzerne	30" HP			\$ 3,991,337	\$ 3,991,337	
376	411523	Red Lion Haldeman to Bustleton HP Main Replacement	12" HP			\$ 1,389,140	\$ 1,389,140	
376	411524	5600 Rising Sun, 300-400 E Godfrey, 5700 Newton, 300 E Sanger, 5700-5800 Weymouth	12" HP			\$ 1,315,872	\$ 1,315,872	
376	411557	2900 Ella St, 2800-2900 Kip St, 2800-2900 B St, 2800 Rosehill, 300 E Cambria, 300 E William St	8" (LP / IP)			\$ 878,125	\$ 878,125	
376	411497	8500 Glen Campbell, 900 Lomond, 900 Glenroy, 900 E Cathedral, 8400-8500 Chippewa	12" HP			\$ 778,654	\$ 778,654	
376	411464	1700-1800 Spruce St, 1700-1800 Delancey St, 1700 Panama St, 1600 Pine St, 1700-1800 Addison St, 1700 Lombard St, 200 & 400 S 18th St, 300-400 S 17th St, 300 Chadwick St	8" (LP / IP)			\$ 2,308,674	\$ 2,308,674	
376	411543	300-500 E Washington Ln, 6200-6300 Homer St, 6300 Ross St	8" (LP / IP)			\$ 1,487,964	\$ 1,487,964	
376	411553	2100 Fanshawe St, 6600 Bustleon Ave, 6600 Akron St, 6600 Eastwood St, 6600 Oakland St, 2000 Magee, 1900-2000 Unruh	8" (LP / IP)			\$ 1,618,874	\$ 1,618,874	
<b>Recoverable Costs (DSIC)</b>				<b>\$ -</b>	<b>\$ -</b>	<b>\$ 13,768,640</b>	<b>\$ 13,768,640</b>	