

**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-2017-2586783**

**FEBRUARY 2017**

**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 2016 through August 2017 are anticipated to be immaterial at the end of the test year.

Over/under collection of fuel costs for the period September 2017 through August 2018 are anticipated to be immaterial at the end of the test year.

1.b.

Accounts 186.0, 253.5 and 495.0

The portion of deferred over/under collection of fuel costs for the period September 2015 through August 2016 was \$2,698,116.

### **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:**

See the attached schedule, which supports the deferred fuel costs at the beginning of the test year: GCR Statement of Reconciliation for September 2015 - August 2016.

Over/under collection of fuel costs for the period September 2016 through August 2017 are anticipated to be immaterial at the end of the test year.

Over/under collection of fuel costs for the period September 2017 through August 2018 are anticipated to be immaterial at the end of the test year.

ACTUAL / ESTIMATED DATA - FISCAL YEAR 2016  
PHILADELPHIA GAS WORKS

Rate	7/1/2015	9/1/2015	10/1/2015	12/1/2015	1/1/2016	3/1/2016	4/1/2016	6/1/2016	7/1/2016
	Split Month	Split Month	Split Month	Split Month	Split Month	Split Month	Split Month	Split Month	Split Month
SSC in Effect	\$ 4,2385	\$ 4,2506	\$ 4,2626	\$ 4,0715	\$ 3,8804	\$ 3,8145	\$ 3,7485	\$ 3,7518	\$ 3,7551
E-Factor	(0.0657)	(0.1276)	(0.1894)	(0.1878)	(0.1861)	(0.2189)	(0.2516)	(0.3935)	(0.5353)
IRC in Effect	(0.0007)	(0.0008)	(0.0008)	(0.0009)	(0.0009)	(0.0016)	(0.0023)	(0.0021)	(0.0019)
Total Effective	\$ 4,1721	\$ 4,1223	\$ 4,0724	\$ 3,8829	\$ 3,6934	\$ 3,5940	\$ 3,4946	\$ 3,3563	\$ 3,2179
Percentage of Total	101.6%	103.1%	104.7%	104.9%	105.1%	106.1%	107.3%	111.8%	116.7%
C-Factor	-1.6%	-3.1%	-4.7%	-4.8%	-5.0%	-6.1%	-7.2%	-11.7%	-16.6%
IRC-Factor	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.1%	-0.1%
Total	100%	100%	100%	100%	100%	100%	100%	100%	100%

C-Factor	Demand Charge in Effect	Commodity in Effect
\$ 0.8504	\$ 1,0545	\$ 1,2586
\$ 3.3881	\$ 3,1961	\$ 3,0040
\$ 4.2385	\$ 4,2506	\$ 4,2626
20.1%	24.8%	29.5%
79.9%	75.2%	70.5%
100%	100%	100%

Fiscal Year 2015 E-Factor	C-Factor	E-Factor	Interest	FY 2015
	Over/(Under)	Over/(Under)	Over/(Under)	Final E-Factor
\$ 8,413,382	\$ (62,649)	\$ 226,479	\$ 8,577,213	

Actual	Sep-2015	Oct-2015	Nov-2015	Dec-2015	Jan-2016	Feb-2016	Mar-2016	Apr-2016	May-2016	Jun-2016	Jul-2016	Aug-2016	FY-2016
	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Totals
GCR Firm Sales	894,850	1,338,478	2,405,950	3,849,724	6,409,695	7,802,937	5,730,335	3,735,180	2,354,969	1,373,128	940,582	840,559	37,676,387
Migration Rider Sales	19,504	22,521	30,764	93,084	147,147	148,353	116,191	78,495	47,409	32,441	25,652	27,248	790,808
GCR Revenue Billed	\$ 3,730,053	\$ 5,461,240	\$ 9,792,985	\$ 14,993,284	\$ 24,255,062	\$ 28,266,729	\$ 20,633,034	\$ 13,050,528	\$ 8,232,518	\$ 4,666,423	\$ 3,073,877	\$ 2,756,457	\$ 138,912,189
Migration Rider Revenue Billed	(2,811)	(4,265)	(5,819)	(17,380)	(27,386)	(27,597)	(27,378)	(19,278)	(11,785)	(13,255)	(13,640)	(13,912)	(184,506)
Load Balancing Billed	\$ 80,989	\$ 78,091	\$ 77,245	\$ 84,959	\$ 96,731	\$ 95,271	\$ 93,915	\$ 89,738	\$ 90,134	\$ 89,807	\$ 90,851	\$ -	\$ 967,729
LNG Sales Demand Charge Credit	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,561	\$ 4,902	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,463
Total Revenue Billed	\$ 3,808,230	\$ 5,535,066	\$ 9,864,410	\$ 15,060,863	\$ 24,324,407	\$ 28,341,963	\$ 20,704,472	\$ 13,120,988	\$ 8,310,867	\$ 4,742,975	\$ 3,151,087	\$ 2,742,545	\$ 139,707,874
Natural Gas Refunds	\$ -	\$ 6,382	\$ 2,005	\$ -	\$ 1,197	\$ 6,382	\$ -	\$ -	\$ -	\$ -	\$ 8,769	\$ -	\$ 24,736
Demand Charges	\$ 4,900,132	\$ 4,875,008	\$ 4,906,154	\$ 4,882,448	\$ 5,007,784	\$ 5,036,303	\$ 4,827,940	\$ 5,012,175	\$ 4,718,222	\$ 4,559,675	\$ 4,593,759	\$ 4,602,321	\$ 57,921,921
Supply Charges	\$ 2,456,112	\$ 5,898,510	\$ 7,834,145	\$ 10,376,701	\$ 21,533,607	\$ 16,724,261	\$ 9,067,567	\$ 4,581,500	\$ 4,822,961	\$ 1,328,020	\$ 1,621,825	\$ 2,073,513	\$ 88,278,722
Net Cost of Fuel	\$ 7,356,244	\$ 10,733,518	\$ 12,740,299	\$ 15,259,149	\$ 26,541,391	\$ 21,760,564	\$ 13,895,507	\$ 9,593,675	\$ 9,541,183	\$ 5,887,695	\$ 6,215,584	\$ 6,675,834	\$ 146,200,643



**FISCAL YEAR 2016  
PHILADELPHIA GAS WORKS  
C-FACTOR RECONCILIATION**

MONTH	NET COST OF FUEL 1	TOTAL GCR REVENUE BILLED 2	C FACTOR % of GCR 3	C FACTOR REVENUE BILLED 4 = (2 * 3)	LOAD BALANCING REVENUE 5	LNG SALES GCR BILLED REVENUE 6	TOTAL C FACTOR REVENUE BILLED 7 = (4 + 5 + 6)	NATURAL GAS REFUNDS 8	OVER/ (UNDER) RECOVERY 9 = (7 + 8 - 1)	CUMULATIVE OVER/(UNDER) 10
	(\$)	(\$)		(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)
SEPTEMBER 2015	7,356,244	3,730,053	103.1%	3,846,146	80,989	0	3,927,135	0	(3,429,109)	(3,429,109)
OCTOBER	10,733,518	5,461,240	104.7%	5,716,305	78,091	0	5,794,395	6,382	(4,932,740)	(8,361,849)
NOVEMBER	12,740,299	9,792,985	104.7%	10,250,362	77,245	0	10,327,608	2,005	(2,410,687)	(10,772,536)
DECEMBER	15,259,149	14,993,284	104.9%	15,721,537	84,959	0	15,806,495	0	547,346	(10,225,189)
JANUARY 2016	26,541,391	24,255,062	105.1%	25,483,116	96,731	0	25,579,847	1,197	(960,347)	(11,185,536)
FEBRUARY	21,760,564	28,266,729	105.1%	29,697,898	95,271	7,561	29,800,729	6,382	8,046,548	(3,138,989)
MARCH	13,895,507	20,633,034	106.1%	21,898,630	93,915	4,902	21,997,447	0	8,101,940	4,962,951
APRIL	9,593,675	13,050,528	107.3%	13,998,714	89,738	0	14,088,452	0	4,494,777	9,457,729
MAY	9,541,183	8,232,518	107.3%	8,830,651	90,134	0	8,920,785	0	(620,398)	8,837,330
JUNE	5,887,695	4,666,423	111.8%	5,216,383	89,807	0	5,306,190	0	(581,505)	8,255,825
JULY	6,215,584	3,073,877	116.7%	3,587,033	90,851	0	3,677,884	8,769	(2,528,931)	5,726,894
AUGUST	6,675,834	2,756,457	116.7%	3,216,623	0	0	3,216,623	0	(3,459,211)	2,267,684
Totals	146,200,643	138,912,189		147,463,399	967,729	12,463	148,443,591	24,736	2,267,684	

**FISCAL YEAR 2016  
PHILADELPHIA GAS WORKS  
E-FACTOR RECONCILIATION**

MONTH	MIGRATION RIDER SALES		TOTAL E-FACTOR VOLUMES		TOTAL GCR REVENUE BILLED		E-FACTOR % of GCR		E-FACTOR REVENUE BILLED		MIGRATION RIDER REVENUES		TOTAL E-FACTOR REVENUE		OVER/(UNDER) PROJECTED RECOVERY	
	1	2	3=(1+2)	(MCF)	4	(MCF)	5	6=(4*5)	7	8=(6+7)	9	(MCF)	(MCF)	(MCF)	(MCF)	(MCF)
	(MCF)	(MCF)	(MCF)	(MCF)	(MCF)	(MCF)	(MCF)	(MCF)	(MCF)	(MCF)	(MCF)	(MCF)	(MCF)	(MCF)	(MCF)	(MCF)
<b>PRIOR YEAR E-FACTOR</b>																
SEPTEMBER 2015	894,850	19,504	914,354		3,730,053		-3.1%	(115,415)	(2,811)	(118,226)						
OCTOBER	1,338,478	22,521	1,360,999		5,461,240		-4.7%	(253,992)	(4,265)	(258,257)						
NOVEMBER	2,405,950	30,764	2,436,714		9,792,985		-4.7%	(455,454)	(5,819)	(461,273)						
DECEMBER	3,849,724	93,084	3,942,808		14,993,284		-4.8%	(724,971)	(17,380)	(742,350)						
JANUARY 2016	6,409,695	147,147	6,556,842		24,255,062		-5.0%	(1,222,144)	(27,386)	(1,249,530)						
FEBRUARY	7,802,937	148,353	7,951,290		28,266,729		-5.0%	(1,424,281)	(27,597)	(1,451,878)						
MARCH	5,730,335	118,191	5,848,526		20,633,034		-6.1%	(1,256,411)	(27,378)	(1,283,789)						
APRIL	3,735,180	78,495	3,813,675		13,050,528		-7.2%	(939,596)	(19,278)	(958,874)						
MAY	2,354,969	47,409	2,402,378		8,232,518		-7.2%	(592,715)	(11,785)	(604,500)						
JUNE	1,373,128	32,441	1,405,569		4,666,423		-11.7%	(547,040)	(13,255)	(560,295)						
JULY	940,582	25,652	966,234		3,073,877		-16.6%	(511,342)	(13,640)	(524,982)						
AUGUST	840,559	27,248	867,807		2,756,457		-16.6%	(458,539)	(13,912)	(472,451)						
<b>TOTAL</b>	<b>37,676,387</b>	<b>790,808</b>	<b>38,467,195</b>		<b>138,912,189</b>			<b>(8,501,899)</b>	<b>(184,506)</b>	<b>(8,686,405)</b>						<b>8,577,213</b>

**FISCAL YEAR 2016  
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 2015</b>	3,730,053	-0.02%	(679)
<b>OCTOBER</b>	5,461,240	-0.02%	(1,073)
<b>NOVEMBER</b>	9,792,985	-0.02%	(1,924)
<b>DECEMBER</b>	14,993,284	-0.02%	(3,282)
<b>JANUARY 2016</b>	24,255,062	-0.02%	(5,910)
<b>FEBRUARY</b>	28,266,729	-0.02%	(6,888)
<b>MARCH</b>	20,633,034	-0.04%	(9,186)
<b>APRIL</b>	13,050,528	-0.07%	(8,589)
<b>MAY</b>	8,232,518	-0.07%	(5,418)
<b>JUNE</b>	4,666,423	-0.06%	(2,920)
<b>JULY</b>	3,073,877	-0.06%	(1,815)
<b><u>AUGUST</u></b>	<u>2,756,457</u>	-0.06%	<u>(1,628)</u>
<b>TOTALS</b>	138,912,189		(49,312)

III.E.2 Demand Charges

**FISCAL YEAR 2016  
PHILADELPHIA GAS WORKS  
RECONCILIATION OF DEMAND CHARGES**

MONTH	DEMAND CHARGES			
	LESS LOAD BALANCING CHARGE REVENUE	DEMAND REVENUE BILLED	MONTHLY DEMAND OVER/(UNDER)	CUMULATIVE DEMAND OVER/(UNDER)
	1	2	3 = (2 - 1)	4
	\$	\$	\$	\$
SEPTEMBER 2015	4,819,143	943,619	(3,875,524)	(3,875,524)
OCTOBER	4,796,917	1,684,608	(3,112,309)	(6,987,833)
NOVEMBER	4,828,909	3,028,129	(1,800,780)	(8,788,613)
DECEMBER	4,797,489	5,098,382	300,893	(8,487,721)
JANUARY 2016	4,911,053	8,910,117	3,999,064	(4,488,657)
FEBRUARY	4,933,471	10,846,863	5,913,391	1,424,734
MARCH	4,729,123	7,117,936	2,388,812	3,813,547
APRIL	4,922,437	4,087,034	(835,403)	2,978,144
MAY	4,628,088	2,576,807	(2,051,281)	926,863
JUNE	4,469,868	1,528,703	(2,941,164)	(2,014,302)
JULY	4,502,908	1,065,115	(3,437,793)	(5,452,095)
<u>AUGUST</u>	<u>4,602,321</u>	<u>951,849</u>	<u>(3,650,472)</u>	<u>(9,102,567)</u>
<b>TOTALS</b>	<b>56,941,729</b>	<b>47,839,162</b>	<b>(9,102,567)</b>	

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.

**FY 2018 Fully Forecasted Future Test Year**

	<b>MCF</b> <b>@1050 BTU</b>
<b>CITY GATE REQUIREMENTS</b>	
<b>Sendout:</b>	
Firm Customers	44,243,923
Co-Gen	17,250
BPS	0
LBS	0
LNG Sales	1,000,000
Firm Transport	4,973,008
GTS	13,212,658
IT	<u>14,671,489</u>
<b>Total Sendout</b>	<u>78,118,327</u>
Plant Use*	139,671
Storage Inj/WD/Trans Fuel	441,986
Storage Injected	13,943,041
LNG Liquified	2,202,415
<b>Total Required</b>	<u>94,845,440</u>
<b>CITY GATE SOURCES</b>	
PGW Pipeline Supply	47,470,395
Interruptible Transport Supply	27,884,147
Pipeline delivered to FT	4,488,801
Transportation Fuel	<u>(1,086,517)</u>
<b>Total Net Pipeline</b>	<u>78,756,826</u>
Gross Storage Withdrawal	13,434,873
Storage Delivered to FT	<u>484,207</u>
<b>Total Storage</b>	<u>13,919,079</u>
LNG Boiloff + Vaporization Gas Sales	2,173,034
LNG Boiloff BTU Adjustment	(3,499)
LNG delivered to FT	<u>0</u>
<b>Total Net LNG</b>	<u>2,169,535</u>
<b>Sources</b>	<u>94,845,440</u>
<b>Total Billed Sales</b>	43,526,691
Company Use	320,945
Firm Transport Sales	4,860,283
GTS	13,212,658
IT	14,671,489
<b>Total Accounted For</b>	76,592,066
<b>Total Sendout</b>	78,118,327
Line Loss (UAF) Volumes	1,526,261
Line Loss (UAF) %	2%

\* Plant use is the accumulated fuels for LNG injection and vaporization as well as the miscellaneous fuels needed to run the Richmond and Passyunk plant.

### **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.

Philadelphia Gas Works' Base Rate Filing

**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.



**FY 2018 Fully Forecasted Future Test Year**

<b>CITY GATE SOURCES</b>	<b>MCF</b>
PGW Pipeline Supply	47,470,395
Interruptible Transport Supply	27,884,147
Pipeline delivered to FT	4,488,801
Transportation Fuel	<u>(1,086,517)</u>
Total Net Pipeline	78,756,826
Gross Storage Withdrawal	13,434,873
Storage Delivered to FT	<u>484,207</u>
Total Storage	13,919,079
LNG Boiloff + Vaporization Gas Sales	2,173,034
LNG Boiloff BTU Adjustment	(3,499)
LNG delivered to FT	<u>-</u>
Total Net LNG	2,169,535
<b>TOTAL SOURCES</b>	<b>94,845,440</b>

Philadelphia Gas Works' Base Rate Filing

**III. BALANCE SHEET AND OPERATING STATEMENT**

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

**RESPONSE:**

PHILADELPHIA GAS WORKS  
OPERATING REVENUE AND OTHER INCOME  
TWELVE MONTHS ENDED AUGUST 31, 2016

**OPERATING REVENUES**

**SALES OF GAS**

480.0	Residential Sales	\$ 432,540,087
481.0	Commercial & Industrial Sales	75,933,639
482.0	Public Authority Sales	6,501,192
483.0	Sales for Resale	8,483
489.3	Gas Transportation Service Sales	41,007,688
495.0	Other Gas Revenues	16,435,124
	Total Gas Revenues	<u>\$ 572,426,213</u>

**OTHER OPERATING REVENUE**

487.0	Forfeited Discounts	8,808,881
488.0	Miscellaneous Service Revenue	2,039,864
	Total Other Revenue	<u>\$ 10,848,745</u>

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

879.0	Customer Installation Expense	5,910,830
903.0	Customer Records & Collection Expense	2,050,574
	Total OPEX Credits	<u>\$ 7,961,403</u>

TOTAL OPERATING REVENUE \$ 591,236,362

Philadelphia Gas Works' Base Rate Filing

**III. BALANCE SHEET AND OPERATING STATEMENT**

PHILADELPHIA GAS WORKS  
OPERATING REVENUE AND OTHER INCOME  
TWELVE MONTHS ENDED AUGUST 31, 2017

**OPERATING REVENUES**

**SALES OF GAS**

480.0	Residential Sales	\$ 453,451,000
481.0	Commercial & Industrial Sales	115,003,000
482.0	Public Authority Sales	8,401,000
483.0	Sales for Resale	10,000
489.3	Gas Transportation Service Sales	46,023,000
495.0	Other Gas Revenues	<u>(15,278,000)</u>
	Total Gas Revenues	\$ 607,610,000

**OTHER OPERATING REVENUE**

487.0	Forfeited Discounts	8,112,000
488.0	Miscellaneous Service Revenue	<u>1,212,000</u>
	Total Other Revenue	\$ 9,324,000

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

879.0	Customer Installation Expense	6,317,000
903.0	Customer Records & Collection Expense	<u>1,865,000</u>
	Total OPEX Credits	\$ 8,182,000

TOTAL OPERATING REVENUE \$ 625,116,000

Philadelphia Gas Works' Base Rate Filing

**III. BALANCE SHEET AND OPERATING STATEMENT**

PHILADELPHIA GAS WORKS  
OPERATING REVENUE AND OTHER INCOME  
TWELVE MONTHS ENDED AUGUST 31, 2018

**OPERATING REVENUES**

**SALES OF GAS**

480.0	Residential Sales	\$ 464,045,000
481.0	Commercial & Industrial Sales	88,679,000
482.0	Public Authority Sales	8,110,000
483.0	Sales for Resale	11,000
489.3	Gas Transportation Service Sales	44,614,000
495.0	Other Gas Revenues	<u>4,230,000</u>
	Total Gas Revenues	\$ 609,689,000

**OTHER OPERATING REVENUE**

487.0	Forfeited Discounts	7,853,000
488.0	Miscellaneous Service Revenue	<u>1,206,000</u>
	Total Other Revenue	\$ 9,059,000

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

879.0	Customer Installation Expense	6,382,000
903.0	Customer Records & Collection Expense	<u>1,883,000</u>
	Total OPEX Credits	\$ 8,265,000

TOTAL OPERATING REVENUE \$ 627,013,000

### 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 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 sections 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.

Philadelphia Gas Works' Base Rate Filing

**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.



Philadelphia Gas Works' Base Rate Filing

**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:**

Please see attached.





**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.

	SEPTEMBER 2014	OCTOBER 2014	NOVEMBER 2014	DECEMBER 2014	JANUARY 2015	FEBRUARY 2015	MARCH 2015	APRIL 2015	MAY 2015	JUNE 2015	JULY 2015	AUGUST 2015	TOTAL
<b>NON-HEATING</b>													
RESIDENTIAL	22,546	24,962	36,125	54,598	64,040	69,460	66,463	50,154	32,408	26,083	20,301	19,933	487,073
RESIDENTIAL-AC	0	0	0	0	0	0	0	0	0	0	0	0	0
CRP	309	433	971	1,860	2,216	2,638	2,871	2,048	948	517	629	371	15,810
COMMERCIAL	60,099	66,134	90,738	129,575	148,976	161,998	153,123	107,667	71,290	60,266	56,274	54,931	1,161,071
COMMERCIAL-AC	327	3	0	0	0	0	0	0	0	86	1,297	1,563	4,046
INDUSTRIAL	3,109	2,297	7,734	13,318	17,830	21,284	20,536	9,519	4,371	3,921	3,085	3,366	110,370
INDUSTRIAL-AC	2,690	4,096	9,453	17,419	22,513	22,216	20,253	14,461	4,834	3,301	3,053	2,958	127,247
MUNICIPAL	1,771	536	1,771	0	0	0	0	0	0	0	0	0	2,307
MUNICIPAL-AC	256	440	349	315	(34)	332	428	408	420	559	628	0	4,101
NGV FIRM	91,107	98,901	145,370	217,065	255,541	277,928	263,674	184,256	114,271	95,503	85,267	83,122	1,912,025
TOTAL FIRM NON-HEATING													
<b>INTERRUPTIBLE</b>													
BFS-SMALL	0	0	0	133	1,087	1,191	0	749	0	0	0	0	3,160
BFS-LARGE	810	770	1,400	(190)	0	0	0	0	0	0	0	0	2,630
BFS-H	0	0	0	0	0	0	0	0	0	0	0	0	0
BFS-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
LNG SALES	82,350	23,672	48,671	85,848	137,866	116,239	3,960	0	0	0	0	0	498,606
COGEN	1,542	816	553	646	673	0	0	290	716	0	0	878	6,114
GTS SALES	0	363	394	931	223	1,071	0	225	194	0	0	0	3,401
NGV	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL INTERRUPTIBLE	84,702	25,621	51,018	87,408	139,849	118,501	3,960	974	194	290	716	878	514,111
TOTAL NON-HEATING	175,809	124,522	196,388	304,493	395,390	396,429	267,634	185,230	114,465	95,793	85,983	84,000	2,426,136
<b>HEATING</b>													
RESIDENTIAL	571,391	692,219	1,798,417	4,060,924	5,275,014	6,219,576	5,747,561	3,170,474	1,205,648	694,311	566,371	551,316	30,563,221
RESIDENTIAL-AC	0	0	0	0	0	0	0	0	1	(1)	0	0	0
CRP	117,826	167,570	494,076	1,066,161	1,323,886	1,516,921	1,449,397	896,762	351,979	152,487	119,547	109,204	7,765,835
HOUSING AUTHORITY-GS	3,176	4,603	11,230	25,892	38,293	32,985	36,358	21,859	9,072	4,203	3,526	3,029	194,227
COMMERCIAL	176,183	221,269	443,972	836,673	1,080,808	1,242,936	1,111,112	617,456	266,163	177,377	163,691	158,570	6,496,210
COMMERCIAL-AC	0	1	0	0	0	0	0	0	0	0	0	0	1
INDUSTRIAL	8,794	10,887	23,402	47,060	70,049	82,439	68,737	28,951	8,602	5,126	4,744	4,531	363,322
INDUSTRIAL-AC	5,511	8,440	46,905	75,378	106,131	102,120	94,022	72,731	19,588	10,358	6,510	6,510	524,708
MUNICIPAL	13,720	27,714	56,407	79,443	104,353	105,180	92,426	58,840	23,168	13,078	12,106	10,444	596,879
PHA													
TOTAL HEATING	896,601	1,132,702	2,864,409	6,191,551	7,973,226	9,307,465	8,599,613	4,856,356	1,884,221	1,056,939	897,716	843,604	46,504,403
TOTAL FIRM HTG & NON-HTG	987,708	1,231,603	3,009,779	6,408,636	8,228,767	9,585,393	8,863,287	5,040,612	1,998,492	1,152,442	982,983	926,726	48,416,428
GAS SALES	1,072,410	1,257,224	3,060,797	6,496,044	8,368,616	9,703,894	8,867,247	5,041,586	1,998,686	1,152,732	983,699	927,604	48,930,539
<b>FIRM TRANSPORT NON HEATING</b>													
RESIDENTIAL	61	81	101	122	164	193	160	117	67	52	54	48	1,220
COMMERCIAL	25,606	32,001	46,988	55,091	60,172	64,194	59,266	47,011	30,765	26,413	24,499	23,114	495,120
INDUSTRIAL	11,202	13,715	15,302	19,333	24,244	28,077	23,269	16,504	12,823	13,279	10,345	12,601	194,694
MUNICIPAL	2,385	3,348	6,229	8,643	9,969	12,568	11,255	7,802	4,052	3,026	2,219	1,814	73,310
NGV	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL FT NON-HEATING	39,254	49,145	68,620	83,189	92,382	101,199	93,950	71,434	47,707	42,770	37,117	37,577	764,344
<b>FIRM TRANSPORT HEATING</b>													
RESIDENTIAL	1,156	1,534	3,441	5,982	7,269	8,323	8,980	4,943	2,181	1,181	1,354	1,023	47,367
COMMERCIAL	89,340	123,332	218,657	360,386	426,670	506,551	422,802	259,896	135,732	106,477	24,499	90,090	2,840,331
INDUSTRIAL	8,133	10,257	13,207	33,454	36,309	41,071	38,730	21,737	10,580	10,494	9,655	8,080	241,707
MUNICIPAL	2,544	3,513	20,954	57,255	71,628	93,782	88,942	43,528	7,786	3,404	3,264	3,550	400,150
HOUSING AUTHORITY	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL FT HEATING	101,173	138,636	256,259	457,077	543,876	649,727	559,454	330,104	156,279	121,556	112,671	102,743	3,529,555
TOTAL FIRM TRANSPORT	140,427	187,781	324,879	540,266	636,258	750,926	653,404	401,538	203,986	164,326	145,788	140,320	4,293,889
TOTAL SALES & FIRM TRANSPORT	1,212,837	1,445,005	3,385,676	7,036,310	9,004,874	10,454,820	9,520,651	5,443,124	2,202,672	1,317,058	1,133,487	1,067,924	53,224,438
GTS TRANSPORT	1,959,506	1,700,024	2,393,935	2,621,653	3,133,663	3,141,802	2,804,652	1,920,421	1,682,474	1,605,496	1,691,086	1,713,490	26,004,202
TOTAL SALES & ALL TRANSPORT	2,806,343	3,145,029	5,779,611	9,657,963	12,138,537	13,596,622	12,325,303	7,363,545	3,885,146	2,922,554	2,824,573	2,781,414	79,228,640

	SEPTEMBER 2015	OCTOBER 2015	NOVEMBER 2015	DECEMBER 2015	JANUARY 2016	FEBRUARY 2016	MARCH 2016	APRIL 2016	MAY 2016	JUNE 2016	JULY 2016	AUGUST 2016	TOTAL
<b>NON-HEATING</b>													
RESIDENTIAL	19,472	23,727	32,984	43,028	60,258	61,361	48,097	36,822	28,211	23,408	19,186	15,845	412,400
RESIDENTIAL-AC	0	0	0	0	0	0	0	0	0	0	0	0	0
CRP	382	646	1,327	2,109	2,836	2,836	1,196	873	633	367	147	213	13,360
COMMERCIAL	56,679	64,480	80,815	97,404	127,236	138,589	100,540	75,663	64,279	54,550	46,924	45,218	952,377
COMMERCIAL-AC	1,248	0	0	0	0	0	0	1,182	1,214	1,182	1,332	1,176	4,976
INDUSTRIAL	2,807	4,036	5,691	8,536	13,623	16,747	9,622	6,333	5,010	3,663	3,445	3,033	82,546
INDUSTRIAL-AC	2,572	3,377	8,000	11,695	17,096	21,472	12,424	10,526	4,371	2,722	2,353	2,301	98,909
MUNICIPAL	449	119	0	0	0	146	0	0	0	146	917	845	2,476
MUNICIPAL-AC	(163)	160	165	120	153	170	181	164	132	107	134	160	1,483
NGV FIRM	83,446	96,545	128,982	162,892	221,000	241,174	172,060	130,380	102,636	86,145	74,320	68,947	1,568,527
TOTAL FIRM NON-HEATING													
RESIDENTIAL	0	0	0	0	0	0	0	0	0	0	0	0	0
RESIDENTIAL-AC	0	0	0	0	0	0	0	0	0	0	0	0	0
CRP	0	0	0	0	0	0	0	0	0	0	0	0	0
COMMERCIAL	0	0	0	0	0	0	0	0	0	0	0	0	0
COMMERCIAL-AC	0	0	0	0	0	0	0	0	0	0	0	0	0
INDUSTRIAL	0	0	0	0	0	0	0	0	0	0	0	0	0
INDUSTRIAL-AC	0	0	0	0	0	0	0	0	0	0	0	0	0
MUNICIPAL	0	0	0	0	0	0	0	0	0	0	0	0	0
MUNICIPAL-AC	0	0	0	0	0	0	0	0	0	0	0	0	0
NGV FIRM	620	1,039	1,609	1,213	1,265	2,422	4,480	1,899	764	73	1,077	9,143	9,919
COGEN	728	0	3,627	220	232	0	0	46	(148)	0	0	0	23,063
GTS SALES	0	0	0	0	0	0	0	0	0	0	0	0	4,926
NGV	620	1,767	5,236	1,433	1,497	7,861	6,640	1,945	(148)	837	1,077	9,143	37,908
TOTAL INTERRUPTIBLE													
RESIDENTIAL	84,066	98,312	134,218	164,325	222,497	249,035	178,700	132,325	102,488	86,982	75,397	78,090	1,606,435
RESIDENTIAL-AC	0	0	0	0	0	0	0	0	0	0	0	0	0
CRP	520,150	773,413	1,423,984	2,431,703	4,188,526	5,184,198	3,786,957	2,410,107	1,492,630	866,229	587,583	528,296	24,193,776
COMMERCIAL	102,590	187,146	407,801	652,593	995,902	1,185,597	906,580	629,840	395,763	179,192	94,271	81,458	5,822,732
COMMERCIAL-AC	164,096	229,032	348,847	510,607	847,744	1,001,152	734,699	474,377	315,306	210,027	162,157	151,095	162,205
INDUSTRIAL	0	0	0	0	0	0	0	0	0	0	0	0	0
INDUSTRIAL-AC	5,030	7,653	12,866	24,983	47,807	57,897	34,908	19,123	11,383	14,690	12,241	926	249,507
MUNICIPAL	11,398	12,617	27,179	46,059	71,933	92,343	62,086	49,622	23,203	10,139	7,005	7,430	417,022
PHA	813,101	1,242,052	2,276,968	3,686,832	6,188,695	7,561,763	5,558,275	3,604,800	2,252,333	1,288,311	868,393	773,789	36,115,312
TOTAL HEATING	896,547	1,338,597	2,405,950	3,849,724	6,409,695	7,802,937	5,730,335	3,735,180	2,354,969	1,374,456	942,713	842,736	37,683,839
TOTAL FIRM HTG & NON-HTG	897,167	1,340,364	2,411,186	3,851,157	6,411,192	7,810,798	5,736,975	3,737,125	2,354,821	1,375,293	943,790	851,879	37,721,747
<b>GAS SALES</b>													
RESIDENTIAL	55	67	77	100	211	220	111	90	80	46	47	41	1,145
RESIDENTIAL-AC	24,282	30,761	35,960	44,622	56,049	51,684	46,870	37,790	31,064	27,409	21,943	22,831	433,265
COMMERCIAL	9,875	13,497	13,389	16,621	20,696	18,824	17,142	13,977	12,763	12,632	11,178	11,668	172,262
INDUSTRIAL	2,070	2,984	4,694	5,762	8,315	9,823	6,023	5,915	4,094	3,039	2,149	1,769	56,637
MUNICIPAL	0	0	350	334	383	357	404	388	343	308	308	343	3,938
NGV	36,282	47,659	54,487	67,439	87,664	80,908	70,550	58,131	48,339	43,511	35,625	36,652	667,247
TOTAL FT NON-HEATING													
RESIDENTIAL	951	1,556	2,785	4,184	6,557	8,226	5,767	4,595	2,698	1,568	1,070	927	40,884
RESIDENTIAL-AC	92,754	136,008	189,042	262,279	392,058	428,991	332,476	233,705	163,574	115,583	94,972	101,930	2,543,372
COMMERCIAL	11,526	16,089	16,659	33,147	57,368	68,829	44,617	30,864	26,683	17,921	9,036	8,432	221,856
INDUSTRIAL	3,583	4,056	5,762	8,209	12,823	16,599	9,399	5,915	4,035	3,039	2,149	1,769	293,383
INDUSTRIAL-AC	108,114	153,146	224,686	371,923	566,668	635,198	468,942	326,824	212,113	145,888	118,500	124,098	3,456,100
HOUSING AUTHORITY													
TOTAL FT HEATING	144,396	200,805	279,173	439,362	654,332	716,106	539,492	384,955	260,452	189,399	154,125	160,750	4,123,347
TOTAL FIRM TRANSPORT	1,041,563	1,541,169	2,690,359	4,290,519	7,065,524	8,526,904	6,276,467	4,122,080	2,615,273	1,564,692	1,097,915	1,012,629	41,845,094
TOTAL SALES & FIRM TRANSPORT	1,683,149	2,724,712	4,699,261	6,569,241	9,950,978	11,257,920	8,578,675	5,948,004	4,323,711	2,893,830	2,171,667	2,781,712	85,802,944
GTS TRANSPORT	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL SALES & ALL TRANSPORT	1,683,149	2,724,712	4,699,261	6,569,241	9,950,978	11,257,920	8,578,675	5,948,004	4,323,711	2,893,830	2,171,667	2,781,712	85,802,944

	SEPTEMBER 2016	OCTOBER 2016	NOVEMBER 2016	DECEMBER 2016	JANUARY 2017	FEBRUARY 2017	MARCH 2017	APRIL 2017	MAY 2017	JUNE 2017	JULY 2017	AUGUST 2017	TOTAL
<b>NON-HEATING</b>													
RESIDENTIAL	17,904	21,830	34,034	50,918	75,371	66,594	54,967	41,305	25,908	21,006	19,758	17,461	447,057
RESIDENTIAL-AC	0	0	0	0	0	0	0	0	0	0	0	0	0
CRP	303	503	1,296	2,365	3,962	3,536	2,731	1,913	873	425	374	328	18,607
COMMERCIAL	52,185	62,996	86,057	118,738	156,555	137,874	119,261	90,461	65,083	59,730	56,833	50,190	1,055,963
COMMERCIAL-AC	1,248	0	0	0	0	0	0	0	0	866	1,297	1,563	4,964
INDUSTRIAL	3,180	5,230	9,456	14,839	19,485	16,976	13,778	8,676	4,925	3,631	3,451	3,065	106,691
INDUSTRIAL-AC	2,815	4,220	10,587	17,666	29,545	24,387	18,150	12,266	5,659	3,380	3,269	2,903	134,847
MUNICIPAL	449	119	0	0	0	0	0	0	5	193	355	584	1,704
MUNICIPAL-AC	145	150	145	150	150	135	150	145	150	145	150	150	1,766
NGV FIRM	79,229	95,048	141,574	204,675	285,067	249,503	209,037	154,767	102,602	89,366	85,487	76,243	1,771,599
<b>TOTAL FIRM NON-HEATING</b>													
RESIDENTIAL	0	0	0	0	0	0	0	0	0	0	0	0	0
RESIDENTIAL-AC	0	0	0	0	0	0	0	0	0	0	0	0	0
BFS-SMALL	0	0	0	0	0	0	0	0	0	0	0	0	0
BFS-LARGE	0	0	0	0	0	0	0	0	0	0	0	0	0
BFS-H	0	0	0	0	0	0	0	0	0	0	0	0	0
BFS-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-DIRECT	0	0	0	0	0	0	0	0	0	0	0	0	0
LNG SALES	82,192	84,932	82,192	84,932	84,932	76,712	84,932	82,192	84,932	82,192	84,932	84,932	1,000,000
COGEN	1,374	1,420	1,374	1,420	1,420	1,282	1,420	1,374	1,420	1,374	1,420	1,420	16,714
GTS SALES	0	0	0	0	0	0	0	0	0	0	0	0	0
NGV	83,566	86,351	83,566	86,351	86,351	77,994	86,351	83,566	86,351	83,566	86,351	86,351	1,016,714
<b>TOTAL INTERRUPTIBLE</b>													
TOTAL NON-HEATING	161,795	181,399	225,140	291,026	371,419	327,497	295,388	238,333	188,953	172,931	171,838	162,594	2,788,312
<b>HEATING</b>													
RESIDENTIAL	526,590	842,072	2,068,454	3,692,834	6,129,633	5,428,307	4,180,398	2,877,562	1,322,906	679,167	609,044	539,276	28,896,242
RESIDENTIAL-AC	0	0	0	0	0	0	0	0	0	0	0	0	0
CRP	101,494	182,848	512,838	955,803	1,619,161	1,444,381	1,111,383	770,438	335,461	145,278	125,334	109,483	7,413,903
HOUSING AUTHORITY-GS	3,279	6,343	14,580	25,086	37,130	32,536	25,292	16,053	7,399	3,863	3,535	3,139	178,236
COMMERCIAL	162,787	254,655	495,891	810,361	1,179,601	1,038,320	829,351	555,301	295,991	198,544	186,180	165,737	6,172,720
COMMERCIAL-AC	0	0	0	0	0	0	0	0	0	0	0	0	0
INDUSTRIAL	5,121	11,493	26,270	44,758	62,336	54,227	42,227	25,074	11,267	5,647	5,212	4,628	298,285
INDUSTRIAL-AC	6,742	12,211	38,399	67,169	115,724	95,130	69,148	45,261	18,091	7,830	6,953	4,907	490,752
MUNICIPAL	1,938	2,950	6,452	6,484	7,404	6,400	5,448	3,386	2,362	2,137	2,067	1,823	46,926
PHA	807,952	1,312,572	3,160,958	5,602,495	9,150,989	8,099,327	6,263,245	4,293,074	1,993,477	1,042,731	939,202	831,039	43,487,063
<b>TOTAL HEATING</b>													
TOTAL FIRM HTG & NON-HTG	886,181	1,407,620	3,302,533	5,807,170	9,436,057	8,348,830	6,472,282	4,447,841	2,096,079	1,132,097	1,024,689	907,282	45,268,661
GAS SALES	963,747	1,493,971	3,386,098	5,893,521	9,522,408	8,426,825	6,558,633	4,531,406	2,182,430	1,215,662	1,111,040	993,633	46,285,375
<b>FIRM TRANSPORT NON HEATING</b>													
RESIDENTIAL	0	0	0	0	0	0	0	0	0	0	0	0	0
RESIDENTIAL-AC	0	0	0	0	0	0	0	0	0	0	0	0	0
COMMERCIAL	23,520	30,018	41,378	57,141	70,931	62,658	55,317	40,670	30,387	28,888	27,848	24,840	493,597
INDUSTRIAL	10,266	12,558	15,484	19,729	22,000	19,320	18,025	13,703	11,669	12,069	11,663	10,356	176,842
MUNICIPAL	1,888	2,476	4,901	7,655	12,231	10,162	7,842	5,548	2,287	2,287	2,192	1,947	62,137
NGV	342	362	362	362	362	327	362	362	362	411	398	353	4,343
TOTAL FT NON-HEATING	36,017	45,414	62,114	84,888	105,524	92,467	81,546	60,271	45,448	43,635	42,101	37,496	736,919
<b>FIRM TRANSPORT HEATING</b>													
RESIDENTIAL	0	0	0	0	0	0	0	0	0	0	0	0	0
RESIDENTIAL-AC	0	0	0	0	0	0	0	0	0	0	0	0	0
COMMERCIAL	101,768	156,195	288,529	414,415	545,631	477,972	393,547	256,820	153,816	120,247	114,779	102,151	3,105,871
INDUSTRIAL	10,939	16,457	25,745	37,642	44,879	38,946	33,011	21,013	14,122	12,429	11,973	10,632	277,787
MUNICIPAL	3,247	7,801	30,394	55,033	96,763	79,324	56,734	36,291	12,854	3,899	3,771	3,349	389,458
HOUSING AUTHORITY	10,888	25,300	50,045	80,030	94,217	64,626	46,626	33,297	16,772	10,811	10,458	9,286	486,401
TOTAL FT HEATING	126,842	205,752	374,713	587,120	781,490	676,913	547,917	347,421	197,564	147,386	148,981	125,418	4,259,517
<b>TOTAL FIRM TRANSPORT</b>													
TOTAL SALES & FIRM TRANSPORT	1,132,606	1,745,137	3,822,925	6,585,529	10,409,422	9,196,204	7,188,096	4,939,098	2,425,442	1,406,693	1,294,123	1,156,546	51,281,811
GTS TRANSPORT	1,861,419	2,127,118	2,388,934	2,755,559	2,891,940	2,578,173	2,563,536	2,158,183	1,987,465	1,831,961	1,889,271	1,889,271	26,892,829
<b>TOTAL SALES &amp; ALL TRANSPORT</b>													
TOTAL SALES & ALL TRANSPORT	2,994,024	3,872,255	6,181,859	9,321,088	13,301,362	11,774,377	9,751,631	7,097,281	4,412,907	3,238,643	3,183,394	3,045,817	78,174,640

	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	16,846	19,254	29,258	43,910	67,439	62,309	50,099	36,030	22,230	19,394	18,492	16,333	401,593
RESIDENTIAL-AC	0	0	0	0	0	0	0	0	0	0	0	0	0
CRP	313	435	1,153	2,161	3,840	3,621	2,714	1,776	748	419	386	337	17,904
COMMERCIAL	48,566	56,425	76,182	103,490	141,624	128,887	108,387	79,834	57,283	55,505	53,163	46,932	956,279
COMMERCIAL-AC	1,248	0	0	0	0	0	0	0	0	866	1,297	0	4,964
INDUSTRIAL	3,033	4,658	8,686	13,230	18,819	16,952	13,044	7,905	4,338	3,592	3,451	3,065	100,773
INDUSTRIAL-AC	2,815	3,608	9,024	15,671	28,206	24,460	17,255	10,989	4,701	3,380	3,269	2,903	126,280
MUNICIPAL	449	119	0	0	0	0	0	0	5	193	355	584	1,704
MUNICIPAL-AC	145	150	145	150	150	135	150	145	150	145	150	150	1,766
NGV FIRM	73,414	84,648	124,448	178,612	260,079	236,364	191,649	136,680	89,455	83,483	80,564	71,867	1,611,262
<b>TOTAL FIRM NON-HEATING</b>													
INTERRUPTIBLE													
BFS-SMALL	0	0	0	0	0	0	0	0	0	0	0	0	0
BFS-LARGE	0	0	0	0	0	0	0	0	0	0	0	0	0
BFS-H	0	0	0	0	0	0	0	0	0	0	0	0	0
BFS-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
LNG SALES	82,192	84,932	82,192	84,932	84,932	76,712	84,932	82,192	84,932	82,192	84,932	84,932	1,000,000
COGEN	1,374	1,420	1,374	1,420	1,420	1,282	1,420	1,374	1,420	1,374	1,420	1,420	16,714
GTS SALES	0	0	0	0	0	0	0	0	0	0	0	0	0
NGV	83,566	86,351	83,566	86,351	86,351	77,994	86,351	83,566	86,351	83,566	86,351	86,351	1,016,714
<b>TOTAL INTERRUPTIBLE</b>													
TOTAL NON-HEATING	156,980	170,999	208,014	264,963	346,430	314,358	278,000	220,245	175,806	167,049	166,916	158,218	2,627,976
<b>HEATING</b>													
RESIDENTIAL	523,684	708,780	1,779,279	3,266,913	5,750,188	5,379,285	4,007,286	2,582,165	1,103,225	648,570	606,079	538,428	26,897,882
RESIDENTIAL-AC	0	0	0	0	0	0	0	0	0	0	0	0	0
CRP	104,497	153,341	451,349	870,776	1,568,528	1,479,730	1,099,607	710,092	281,831	141,262	129,410	113,104	7,103,526
HOUSING AUTHORITY-GS	3,112	5,334	12,919	22,136	32,433	32,433	24,035	14,381	6,126	3,735	3,535	3,139	166,265
COMMERCIAL	163,047	231,636	456,765	740,139	1,150,123	1,057,374	810,556	517,078	264,856	200,989	192,451	171,404	5,956,419
COMMERCIAL-AC	0	0	0	0	0	0	0	0	0	0	0	0	0
INDUSTRIAL	4,673	9,549	23,451	39,143	59,585	53,943	39,632	22,248	9,152	5,487	5,212	4,628	276,702
INDUSTRIAL-AC	6,725	9,685	31,924	58,861	109,959	65,316	65,316	39,936	14,139	8,074	6,934	4,547	454,537
MUNICIPAL	1,791	2,621	4,143	5,647	7,041	6,197	4,963	3,044	2,109	2,066	1,998	1,762	43,384
PHA													
<b>TOTAL HEATING</b>	807,529	1,120,946	2,759,829	5,005,617	8,680,804	8,104,136	6,051,395	3,888,944	1,681,439	1,010,183	948,495	839,399	40,898,715
<b>TOTAL FIRM HTG &amp; NON-HTG</b>	880,943	1,205,594	2,884,277	5,184,228	8,940,883	8,340,500	6,243,044	4,025,624	1,770,894	1,093,666	1,029,059	911,266	42,509,977
<b>GAS SALES</b>	964,508	1,291,945	2,967,843	5,270,579	9,027,234	8,418,494	6,329,395	4,109,189	1,857,245	1,177,232	1,115,410	997,617	43,526,681
<b>FIRM TRANSPORT NON HEATING</b>													
RESIDENTIAL	0	0	0	0	0	0	0	0	0	0	0	0	0
COMMERCIAL	24,325	29,882	41,114	55,235	72,347	65,601	55,736	40,199	29,951	30,002	29,025	25,873	499,290
INDUSTRIAL	10,109	12,089	14,975	18,452	21,684	19,324	17,407	13,194	11,282	12,062	11,663	10,356	172,597
MUNICIPAL	1,888	2,240	4,299	6,887	11,715	10,190	7,497	5,056	2,661	2,287	2,192	1,947	58,837
NGV	342	362	362	362	362	327	362	362	362	411	398	353	4,343
<b>TOTAL FT NON-HEATING</b>	36,664	44,573	60,738	80,936	106,108	95,442	81,001	58,799	44,256	44,741	43,278	38,529	735,067
<b>FIRM TRANSPORT HEATING</b>													
RESIDENTIAL	0	0	0	0	0	0	0	0	0	0	0	0	0
COMMERCIAL	100,878	145,719	256,807	385,354	546,744	494,763	387,187	243,154	141,434	122,034	117,571	104,586	3,046,232
INDUSTRIAL	10,496	15,091	24,211	33,903	43,866	38,949	31,215	19,481	12,956	12,398	11,973	10,632	265,170
MUNICIPAL	3,247	5,651	9,326	13,247	18,058	16,458	12,958	8,199	4,990	3,899	3,771	3,349	359,365
HOUSING AUTHORITY	124,184	188,070	352,246	537,368	774,949	694,053	531,713	324,033	177,834	149,142	143,773	127,852	4,125,216
<b>TOTAL FIRM TRANSPORT</b>	160,848	232,643	412,984	618,304	881,057	789,495	612,714	382,832	222,090	193,883	187,051	166,381	4,860,283
<b>TOTAL SALES &amp; FIRM TRANSPORT</b>	1,125,356	1,524,568	3,380,827	5,888,883	9,908,291	9,207,989	6,942,109	4,492,021	2,079,335	1,371,115	1,302,462	1,163,998	48,386,974
<b>GTS TRANSPORT</b>	1,917,144	2,147,930	2,387,384	2,709,817	2,945,483	2,655,719	2,579,983	2,184,450	2,025,733	1,908,416	1,965,726	1,965,726	27,393,512
<b>TOTAL SALES &amp; ALL TRANSPORT</b>	3,042,500	3,672,518	5,768,210	8,598,701	12,853,774	11,863,708	9,522,092	6,676,471	4,105,068	3,279,531	3,268,188	3,129,724	75,780,486



Philadelphia Gas Works' Base Rate Filing

**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,

Philadelphia Gas Works' Base Rate Filing

**III. BALANCE SHEET AND OPERATING STATEMENT**

natural or synthetic), contracted or spot sales, whether sales are to affiliated companies, and any other pertinent information.

**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**

FERC Account	Other Operating Revenue	FY 2017	FY 2018
487.0	Finance Charge	\$8,112,000	\$7,853,000
488.0	Return Check Charge	208,000	202,000
488.0	Credit Card Charge	4,000	4,000
495.0	Contractual Obligation Adjustment	19,000	18,000
488.0	Capacity Release – TETCO	250,000	250,000
488.0	Capacity Release – TRANSCO	750,000	750,000
495.0	LNG Service & Loading Fee	3,680,000	3,680,000
	TOTAL	\$13,023,000	\$12,757,000

- E.14.a.(ii) Please refer to the response provided to Exhibit A – III.A.20 and PGW Statement No. 2 – Joseph F. Golden, Jr. and accompanying schedules.
- E.14.a.(iii).a Please refer to the column titled “GCR Charge Revenue” in the Proof of Revenue schedule in response to Exhibit A – III.E.11.
- E.14.a.(iii).b PGW does not have a state tax surcharge.
- E.14.a.(iii).c Please refer to the response provided to Exhibit A – III.E.14.(i).(b).
- 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)**

<u>FERC</u>	<u>Non-Heating Sales</u>	<u>Budget 2016-17</u>	<u>Forecast 2017-18</u>
4800	Residential	447	402
4800	CRP Residential	19	18
4810	Commercial	1,061	960
4810	Industrial	107	101
4820	Municipal	137	128
4830	NGV Firm	2	2
	<b>Total Firm Non-Heating Sales</b>	<b>1,773</b>	<b>1,611</b>
4810	LNG Sales - Expander Liquefier	1,000	1,000
4810	Co-Generation - Indirect	17	17
	<b>Total Interruptible Sales</b>	<b>1,017</b>	<b>1,017</b>
	<b>Total Non-Heating Sales</b>	<b>2,790</b>	<b>2,628</b>
	<b><u>Heating Sales</u></b>		
4800	Residential	28,895	26,899
4800	CRP Residential	7,414	7,104
4810	Commercial	6,173	5,956
4810	Industrial	298	277
4820	Municipal	491	455
4820	Housing Authority	225	209
	<b>Total Heating Sales</b>	<b>43,496</b>	<b>40,900</b>
	<b>Net Billed Sales</b>	<b>46,286</b>	<b>43,528</b>
	<b><u>FT Non-Heating Service</u></b>		
4893	Commercial	494	499
4893	Industrial	177	173
4893	Municipal	62	59
4893	NGV	4	4
	<b>Total FT Non-Heating Service</b>	<b>737</b>	<b>735</b>
	<b><u>FT Heating Sales</u></b>		
4893	Commercial	3,106	3,046
4893	Industrial	278	265
4893	Municipal	389	359
4893	PHA	486	454
	<b>Total FT Heating Service</b>	<b>4,259</b>	<b>4,124</b>
	<b><u>General Transportation Service</u></b>		
4893	GTS- Transportation	26,893	27,393
	<b>Total Billed Sales &amp; Transportation Volumes</b>	<b>78,175</b>	<b>75,780</b>

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

<u>FERC</u>	<u>Non-Heating Revenues</u>	<u>Budget 2016-17</u>	<u>Forecast 2017-18</u>
4800	Residential	8,032	7,523
4800	CRP Residential	248	249
4800	CRP Discount	(88)	(82)
4810	Commercial	11,389	10,799
4810	Industrial	1,142	1,122
4820	Municipal	1,194	1,173
4830	NGV	10	11
4800	Residential DSIC Surcharge	486	443
4810	Commercial DSIC Surcharge	562	505
4810	Industrial DSIC Surcharge	56	52
4820	Municipal DSIC Surcharge	52	48
4830	NGV DSIC Surcharge	-	-
	<b>Total Firm Non-Heating Revenue</b>	<b>23,083</b>	<b>21,843</b>
	<b><u>Interruptible Revenue</u></b>		
4810	LNG Sales - Expander Liquefier	4,130	4,301
4810	Co-Generation - Indirect	72	77
	<b>Total Interruptible Revenue</b>	<b>4,202</b>	<b>4,378</b>
	<b>Total Billed Non-Heating Revenue</b>	<b>27,285</b>	<b>26,221</b>
4950	Non-Heating GCR Adjustment	(860)	9
	<b>Total Non-Heating Revenue</b>	<b>26,425</b>	<b>26,230</b>
	<b><u>Heating Revenue</u></b>		
4800	Residential	384,528	374,542
4800	CRP Residential	93,732	93,733
4800	CRP Discount	(38,425)	(36,269)
4810	Commercial	65,088	65,562
4810	Industrial	3,197	3,090
4820	Municipal	4,322	4,201
4820	PHA	2,562	2,496
4810	Residential DSIC Surcharge	25,469	23,906
4810	Commercial DSIC Surcharge	3,181	3,027
4810	Industrial DSIC Surcharge	158	144
4820	Municipal DSIC Surcharge	23	171
4820	PHA DSIC Surcharge	189	21
4800	Residential WNA Charge / (Credit)	4,938	-
4810	Commercial WNA Charge / (Credit)	543	-
4810	Industrial WNA Charge / (Credit)	16	-
4820	PHA-GS WNA Charge / (Credit)	21	-
4820	Municipal WNA Charge / (Credit)	38	-
	<b>Total Billed Heating Revenue</b>	<b>549,580</b>	<b>534,624</b>
4950	Heating GCR Adjustment	(19,790)	208
	<b>Total Heating Revenue</b>	<b>529,790</b>	<b>534,832</b>

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

<u>FERC</u>	<u>FT Non-Heating Revenue</u>	<u>Budget 2016-17</u>	<u>Forecast 2017-18</u>
4893	FT Commercial	3,244	3,237
4893	FT Industrial	1,131	1,076
4893	FT Municipal	352	327
4893	FT NGV	6	6
4893	FT Commercial DSIC Surcharge	244	243
4893	FT Industrial DSIC Surcharge	85	81
4893	FT Municipal DSIC Surcharge	26	25
	<b>Total FT Non-Heating Revenue</b>	<b>5,088</b>	<b>4,995</b>
	 <u>FT Heating Revenue</u>		
4893	FT Commercial	20,023	19,345
4893	FT Industrial	1,778	1,656
4893	FT Municipal	1,979	1,780
4893	FT Housing Authority	2,933	2,735
4893	FT Residential DSIC Surcharge	-	-
4893	FT Commercial DSIC Surcharge	1,505	1,451
4893	FT Industrial DSIC Surcharge	134	124
4893	FT Municipal DSIC Surcharge	148	133
4893	FT PHA DSIC Surcharge	223	205
4893	FT Commercial WNA Charge / (Credit)	247	-
4893	FT Industrial WNA Charge / (Credit)	17	-
4893	FT Municipal WNA Charge / (Credit)	33	-
4893	FT PHA WNA Charge / (Credit)	52	-
	<b>Total FT Heating Revenue</b>	<b>29,072</b>	<b>27,429</b>
	 <u>General Transportation Service</u>		
4893	GTS- Transportation	1,251	1,249
4893	GTS- Cust/Cust Choice	10,599	10,928
4893	GTS- Sup/Cust Choice	13	13
	<b>Total GTS Revenue</b>	<b>11,863</b>	<b>12,190</b>
4950	Unbilled Gas Adjustment	1,673	315
	<b>Total Billed Gas Revenues</b>	<b>603,911</b>	<b>605,991</b>

**PHILADELPHIA GAS WORKS  
CUSTOMER COUNTS**

	Average Number of Customers		Sales (Mcf)		Customer Counts	
	Budget <u>2016-17</u>	Forecast <u>2017-18</u>	Budget <u>2016-17</u>	Forecast <u>2017-18</u>	Budget <u>Sep-01-2017</u>	Forecast <u>Aug-31-2018</u>
<b><u>Firm Non-Heating</u></b>						
Residential	20,493	19,250	447	402	19,945	18,668
CRP Residential	238	246	19	18	238	245
Commercial	4,023	3,982	1,061	960	4,001	3,965
Commercial - AC	1	1	0	0	1	1
Industrial	136	136	107	101	136	136
Municipal	102	102	137	128	102	102
Municipal - Ac	2	2	-	-	2	2
NGV Firm	3	3	2	2	3	3
<b>Total Firm Non-Heating</b>	<b>24,999</b>	<b>23,721</b>	<b>1,773</b>	<b>1,611</b>	<b>24,428</b>	<b>23,122</b>
<b><u>Interruptible</u></b>						
LNG Sales	4	4	1,000	1,000	4	4
COGEN	4	4	17	17	4	4
<b>Total Interruptible</b>	<b>8</b>	<b>8</b>	<b>1,017</b>	<b>1,017</b>	<b>8</b>	<b>8</b>
<b>Total Non-Heating</b>	<b>25,007</b>	<b>23,729</b>	<b>2,790</b>	<b>2,628</b>	<b>24,436</b>	<b>23,130</b>
<b><u>Firm Heating</u></b>						
Residential	391,403	390,726	28,896	26,898	387,849	387,213
CRP Residential	60,387	62,379	7,414	7,104	60,262	62,255
Housing Authority - GS	1,863	1,863	179	166	1,863	1,863
Commercial	17,155	17,392	6,173	5,956	17,257	17,509
Industrial	388	388	298	277	388	388
Municipal	380	379	491	455	380	379
PHA	152	147	46	43	150	145
<b>Total Firm Heating</b>	<b>471,728</b>	<b>473,274</b>	<b>43,497</b>	<b>40,899</b>	<b>468,149</b>	<b>469,752</b>
<b>Total Firm Non-Heating &amp; Heating</b>	<b>496,727</b>	<b>496,995</b>	<b>45,270</b>	<b>42,510</b>	<b>492,577</b>	<b>492,874</b>
<b>Total Non-Heating &amp; Heating</b>	<b>496,735</b>	<b>497,003</b>	<b>46,287</b>	<b>43,527</b>	<b>492,585</b>	<b>492,882</b>
<b><u>FT Non-Heating</u></b>						
Residential	-	-	-	-	-	-
Commercial	707	780	494	499	744	810
Industrial	41	41	177	173	41	41
Municipal	196	196	62	59	196	196
NGV	1	1	4	4	1	1
<b>Total FT Non-Heating</b>	<b>945</b>	<b>1,018</b>	<b>737</b>	<b>735</b>	<b>982</b>	<b>1,048</b>
<b><u>FT Heating</u></b>						
Residential	-	-	-	-	-	-
Commercial	2,676	2,892	3,106	3,046	2,782	2,983
Industrial	68	68	278	265	68	68
Municipal	189	189	389	359	189	189
Housing Authority	764	764	486	454	764	764
<b>Total FT Heating</b>	<b>3,697</b>	<b>3,913</b>	<b>4,259</b>	<b>4,124</b>	<b>3,803</b>	<b>4,004</b>
<b>Total Firm Transportation</b>	<b>4,643</b>	<b>4,930</b>	<b>4,996</b>	<b>4,859</b>	<b>4,785</b>	<b>5,052</b>
<b>Total Sales and Firm Transportation</b>	<b>501,377</b>	<b>501,933</b>	<b>51,283</b>	<b>48,386</b>	<b>497,370</b>	<b>497,934</b>

Philadelphia Gas Works' Base Rate Filing

**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.



Philadelphia Gas Works' Base Rate Filing

**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, 2018):

<u>Account Description</u>	<u>Debit</u>	<u>Credit</u>
173.0 Accrued Utility Revenue	\$315,000	
495.0 Other Gas Revenues		\$315,000

The following GCR accrual entry is anticipated to be made at the beginning of the fully projected future test year (August 31, 2018):

<u>Account Description</u>	<u>Debit</u>	<u>Credit</u>
495.0 Other Gas Revenues	\$86,000	
186.0 Miscellaneous Deferred Debits		\$86,000

The following entry is anticipated to be made at the end of the fully projected future test year (August 31, 2018):

<u>Account Description</u>	<u>Debit</u>	<u>Credit</u>
495.0 Other Gas Revenues		\$303,000
186.0 Miscellaneous Deferred Debits	\$303,000	

The aforementioned entries are not reversed for rate making 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 \$180,275,467.

**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 \$180,273,347. 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 \$2,121.

**Projected Applicable Fuel Expense**

**SENDOUT MODEL OUTPUT SCENARIO 1379**

FY 2018 - Fully Projected Future Test Year

	ESTIMATED SEPTEMBER 2017	ESTIMATED OCTOBER 2017	ESTIMATED NOVEMBER 2017	ESTIMATED DECEMBER 2017	ESTIMATED JANUARY 2018	ESTIMATED FEBRUARY 2018	ESTIMATED MARCH 2018	ESTIMATED APRIL 2018	ESTIMATED MAY 2018	ESTIMATED JUNE 2018	ESTIMATED JULY 2018	ESTIMATED AUGUST 2018	TOTAL
<b>NATURAL GAS BILLED</b>													
DEMAND CHARGE	\$ 4,486,407	\$ 4,467,838	\$ 4,629,207	\$ 4,675,377	\$ 4,674,596	\$ 4,710,729	\$ 4,614,015	\$ 4,481,432	\$ 4,462,775	\$ 4,479,985	\$ 4,461,358	\$ 4,460,664	\$ 54,604,383
COMMODITY CHARGE	\$ 7,601,518	\$ 11,059,444	\$ 12,763,114	\$ 14,619,232	\$ 13,327,199	\$ 13,613,392	\$ 10,212,555	\$ 11,440,461	\$ 10,536,745	\$ 8,725,236	\$ 8,779,680	\$ 8,615,000	\$ 131,293,576
<b>TOTAL NATURAL GAS BILLED</b>	<b>\$ 12,087,925</b>	<b>\$ 15,527,281</b>	<b>\$ 17,392,321</b>	<b>\$ 19,294,610</b>	<b>\$ 18,001,796</b>	<b>\$ 18,324,121</b>	<b>\$ 14,826,570</b>	<b>\$ 15,921,893</b>	<b>\$ 14,999,520</b>	<b>\$ 13,205,222</b>	<b>\$ 13,241,037</b>	<b>\$ 13,075,664</b>	<b>\$ 185,897,959</b>
DAILY & MONTHLY IMBALANCE CHARGES	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
INTERRUPTIBLE AND A/C CREDIT	\$ 8,330	\$ 4,359	\$ 3,992	\$ 4,242	\$ 4,275	\$ 3,886	\$ 4,168	\$ 3,830	\$ 3,881	\$ 6,548	\$ 8,415	\$ 9,803	\$ 65,731
SENDOUT VOLUME IN MCF	3,169	1,587	1,418	1,465	1,465	1,323	1,465	1,418	1,470	2,500	3,170	3,681	24,131
DKT CONVERSION FACTOR	1,050	1,050	1,050	1,050	1,050	1,050	1,050	1,050	1,050	1,050	1,050	1,050	1,050
PRICE \$/DKT	\$ 2,5034	\$ 2,6155	\$ 2,6819	\$ 2,7577	\$ 2,7790	\$ 2,7965	\$ 2,7096	\$ 2,5728	\$ 2,5146	\$ 2,4946	\$ 2,5281	\$ 2,5367	\$ 2,5367
GAS USED FOR UTILITY	\$ 27,587	\$ 37,011	\$ 65,440	\$ 117,860	\$ 147,537	\$ 160,575	\$ 169,565	\$ 84,665	\$ 31,336	\$ 25,280	\$ 16,776	\$ 23,985	\$ 907,615
<b>NATURAL GAS</b>													
TO STORAGE	\$ (5,131,751)	\$ (4,559,259)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (2,912,990)	\$ (6,467,765)	\$ (6,391,347)	\$ (6,363,512)	\$ (6,190,239)	\$ (38,016,863)
FROM STORAGE PGW	\$ -	\$ -	\$ 833,439	\$ 5,855,638	\$ 12,648,547	\$ 9,209,767	\$ 7,341,292	\$ 135,836	\$ -	\$ -	\$ -	\$ -	\$ 36,024,519
FT FROM STORAGE	\$ -	\$ -	\$ 39,547	\$ 242,614	\$ 461,385	\$ 412,230	\$ 92,520	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,248,296
<b>NET NATURAL GAS STORAGE</b>	<b>\$ (5,131,751)</b>	<b>\$ (4,559,259)</b>	<b>\$ 833,439</b>	<b>\$ 5,855,638</b>	<b>\$ 12,648,547</b>	<b>\$ 9,209,767</b>	<b>\$ 7,341,292</b>	<b>\$ (2,777,153)</b>	<b>\$ (6,467,765)</b>	<b>\$ (6,391,347)</b>	<b>\$ (6,363,512)</b>	<b>\$ (6,190,239)</b>	<b>\$ (1,992,344)</b>
<b>LNG</b>													
TO STORAGE	\$ (25,773)	\$ (869,721)	\$ (1,150,805)	\$ (1,049,901)	\$ (585,479)	\$ (455,681)	\$ (1,074,555)	\$ (931,152)	\$ (524,822)	\$ (12,865)	\$ -	\$ -	\$ (6,680,754)
FROM LNG PGW	\$ 433,735	\$ 448,541	\$ 433,898	\$ 495,938	\$ 986,840	\$ 950,234	\$ 462,367	\$ 448,171	\$ 461,158	\$ 445,400	\$ 460,237	\$ 460,237	\$ 6,486,757
FT FROM LNG	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>NET LNG STORAGE</b>	<b>\$ 407,962</b>	<b>\$ (421,180)</b>	<b>\$ (716,908)</b>	<b>\$ (553,962)</b>	<b>\$ 401,360</b>	<b>\$ 494,554</b>	<b>\$ (612,188)</b>	<b>\$ (482,981)</b>	<b>\$ (63,663)</b>	<b>\$ 432,535</b>	<b>\$ 460,237</b>	<b>\$ 460,237</b>	<b>\$ (193,997)</b>
LNG SALES FROM LNG TANK	\$ 243,296	\$ 251,423	\$ 244,216	\$ 254,497	\$ 257,699	\$ 234,410	\$ 261,096	\$ 253,636	\$ 260,808	\$ 251,745	\$ 260,128	\$ 260,128	\$ 3,033,083
SENDOUT VOLUMES (MCF)	82,192	84,932	82,192	84,932	84,932	76,712	84,932	82,192	84,932	82,192	84,932	84,932	1,000,000
@ AVG LNG COMMODITY RATE	\$ 2,9601	\$ 2,9603	\$ 2,9713	\$ 2,9965	\$ 3,0342	\$ 3,0557	\$ 3,0742	\$ 3,0859	\$ 3,0708	\$ 3,0629	\$ 3,0628	\$ 3,0628	\$ 3,0628
<b>NET NATURAL GAS EXPENSE</b>	<b>\$ 7,084,923</b>	<b>\$ 10,254,049</b>	<b>\$ 17,195,204</b>	<b>\$ 24,219,686</b>	<b>\$ 30,642,192</b>	<b>\$ 27,629,571</b>	<b>\$ 21,120,845</b>	<b>\$ 12,319,627</b>	<b>\$ 8,172,067</b>	<b>\$ 6,962,837</b>	<b>\$ 7,052,444</b>	<b>\$ 7,051,746</b>	<b>\$ 179,705,190</b>
<b>APPLICABLE GCR EXPENSE</b>													
NET NATURAL GAS EXPENSE	\$ 7,084,923	\$ 10,254,049	\$ 17,195,204	\$ 24,219,686	\$ 30,642,192	\$ 27,629,571	\$ 21,120,845	\$ 12,319,627	\$ 8,172,067	\$ 6,962,837	\$ 7,052,444	\$ 7,051,746	\$ 179,705,190
PURCHASED ELECTRIC & MISC	\$ 20,609	\$ 50,948	\$ 51,671	\$ 76,206	\$ 82,929	\$ 87,831	\$ 87,917	\$ 56,966	\$ 43,553	\$ 33,005	\$ 41,313	\$ 40,816	\$ 673,766
PLANALYTICS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 125,000
<b>TOTAL APPLICABLE EXPENSES</b>	<b>\$ 7,105,532</b>	<b>\$ 10,304,997</b>	<b>\$ 17,246,874</b>	<b>\$ 24,295,892</b>	<b>\$ 30,850,121</b>	<b>\$ 27,717,403</b>	<b>\$ 21,208,762</b>	<b>\$ 12,376,594</b>	<b>\$ 8,215,620</b>	<b>\$ 6,995,842</b>	<b>\$ 7,093,756</b>	<b>\$ 7,092,562</b>	<b>\$ 180,503,956</b>
TOTAL GCR FIRM SALES	\$ 879,246	\$ 1,205,475	\$ 2,884,277	\$ 5,184,228	\$ 8,940,883	\$ 8,340,500	\$ 6,243,044	\$ 4,025,624	\$ 1,770,889	\$ 1,092,618	\$ 1,027,407	\$ 909,119	\$ 42,503,310

**Philadelphia Gas Works**  
**Levelized Gas Cost Rate**  
**FY 2018 - Fully Projected Future Test Year**

Formula:  
GCR = SSC + GAC - IRC

where:

	<u>Demand</u>	<u>Commodity</u>	<u>Total</u>	
S = Firm Sales (Mcf)			42,503,310	GCR 3
<hr/>				
Net Natural Gas Expense	\$ 54,604,383	\$ 125,100,807	\$ 179,705,190	
Purchased Electric & Misc Expenses	\$ -	\$ 798,766	\$ 798,766	
C = Total Applicable GCR Expense	\$ 54,604,383	\$ 125,899,572	\$ 180,503,956	GCR 5
SSC = C / S	\$ 1.2847	\$ 2.9621	\$ 4.2468	
<hr/>				
Adjustment For:				
E-Factor Volumes (Mcf)			42,503,310	
Interest	\$ (250,911)	\$ 15,971	\$ (234,940)	GCR 6 (b)
E-Factor Reconciliation	\$ (1,576,386)	\$ 1,595,145	\$ 18,760	GCR 8 (b), (c)
	\$ (1,827,297)	\$ 1,611,117	\$ (216,180)	
E = E-Factor	\$ (0.0430)	\$ 0.0379	\$ (0.0051)	
<hr/>				
Interruptible Revenue Credit			\$ 14,429	GCR 7 (a)
IRC = Interruptible Revenue Credit / S			\$ 0.0003	
<hr/>				
Net Applicable GCR Expenses = C + E - Interruptible Revenue Credit			\$ 180,273,347	
<u>GCR = SSC + GAC - IRC</u>			\$ 4.2414	
<hr/>				
SSC in effect 9/01/17	\$ 1.2681	\$ 2.9238	\$ 4.1919	
GAC in effect 9/01/17	\$ (0.0313)	\$ 0.0276	\$ (0.0037)	
IRC in effect 9/01/17			\$ (0.0003)	
GCR in effect 9/01/17			\$ 4.1879	GCR 2
<hr/>				
Recovery Test on:				
Firm Sales (Mcf)			42,503,310	
= GCR Projected Recovery			\$ 177,751,663	
= Load Balancing Revenue			\$ 1,239,104	
= LNG Sales Demand Revenue			\$ 1,284,700	
= Total Projected Recovery			\$ 180,275,467	GCR 2
Compared To				
Net Applicable GCR Expenses			\$ 180,273,347	
= Net Over/(Under) Recovery			\$ 2,121	
<hr/>				
Degree Days			3,855	

Philadelphia Gas Works' Base Rate Filing

**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.

PHILADELPHIA GAS WORKS  
FIRM GAS SALES  
3855 DD

	Avg Customers Actual 2015-16	Normalized Sales MMCF 2015-16	Average MCF per Customer Normalized	Avg Customers Act/Est 6 & 6 2016-17	Normalized Sales MMCF 2016-17	Average MCF per Customer Normalized	Test Year Avg Customers 2017-18	Sales Test Year MMCF 2017-18	Test Year Average MCF per Customer Normalized
<b>NON-HEATING</b>									
Residential	20,813.6	440.3	21.2	21,574.4	451.4	20.9	19,249.8	334.7	17.4
CRP	197.1	14.7	74.8	244.4	17.2	70.3	245.8	14.9	60.7
Commercial	3,746.2	1,006.8	268.8	4,058.9	1,073.6	264.5	3,982.5	801.0	201.1
Industrial	119.8	90.0	750.8	134.6	93.2	692.8	136.0	84.0	617.5
Municipal	87.5	111.7	1,276.1	101.6	117.8	1,159.3	104.0	106.7	1,025.5
Housing Authority-PHA	0	0	0	0	0	0	0	0	0
Natural Gas Vehicle	3.3	1.5	456.0	3.3	1.5	459.4	3.0	1.5	490.5

**HEATING**

Residential	395,815.6	26,269.4	66.4	392,291.2	26,562.1	67.7	390,725.6	22,414.9	57.4
CRP	55,338.7	6,415.7	115.9	57,704.6	6,314.2	109.4	62,379.3	5,919.6	94.9
Housing Authority-GS	1,950.2	177.3	90.9	1,877.8	160.8	85.7	1,863.0	138.6	74.4
Commercial	17,342.5	5,470.7	315.4	17,008.2	5,434.7	319.5	17,391.8	4,963.7	285.4
Industrial	399.3	273.5	685.0	389.2	262.8	675.4	388.0	230.6	594.3
Municipal	388.0	459.6	1,184.5	380.6	437.8	1,150.3	379.0	378.8	999.4
Housing Authority-PHA	360.2	126.9	352.4	355.5	125.0	351.6	147.4	36.2	245.2



Philadelphia Gas Works' Base Rate Filing

**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:**

Please see attached.

**Philadelphia Gas Works  
Rate Case 2017**

**Base Rate Revenue at Proposed Rates**

	FY 2017-2018		Proposed Rates				Amounts in \$000s				Total Full Base Rate Revenue	
	No. of Customers	No. of Annual Bills	Annual Deliveries (mcf)	Monthly Cust. Charge	Delivery Charge	Merchant Function Charge (MCF)	Gas Procurement Charge (GPC)	Cust. Charge Revenue	Delivery Charge Revenue	Merchant Function Charge (MCF) Revenue		Gas Procurement Charge (GPC) Revenue
<b>1 Non-Heating:</b>												
2 Residential	18,990	227,880	409,486	\$18.00	\$6.7275	\$0.2165	\$0.0228	4,102	2,755	89	9	6,955
3 Residential-Senior	506	6,066	10,011	\$18.00	\$6.7275	\$0.2165	\$0.0228	109	67	2	0	179
4 Commercial	3,982	47,778	956,279	\$27.00	\$4.8108	\$0.0359	\$0.0228	1,290	4,600	34	22	5,947
5 Industrial	136	1,632	100,773	\$75.00	\$3.8170	\$0.0223	\$0.0228	122	385	2	2	512
6 Municipal/MS	102	1,224	126,280	\$27.00	\$3.8365	-	\$0.0228	33	484	0	3	520
7 NGV	3	36	1,766	\$35.00	\$1.3005	-	\$0.0228	1	2	0	0	4
8 <i>Total Non-Heat Firm</i>	23,718	284,616	1,604,594					5,658	8,294	127	37	14,116
9												
<b>10 Heating:</b>												
11 Residential	441,742	5,300,910	33,026,903	\$18.00	\$6.7275	\$0.2165	\$0.0228	95,416	222,188	7,150	753	325,508
12 Residential-Senior	11,362	136,348	974,505	\$18.00	\$6.7275	\$0.2165	\$0.0228	2,454	6,556	211	22	9,243
13 Commercial	17,392	208,702	5,956,419	\$27.00	\$4.8108	\$0.0359	\$0.0228	5,635	28,655	214	136	34,640
14 Industrial	388	4,656	276,702	\$75.00	\$3.8170	\$0.0223	\$0.0228	349	1,056	6	6	1,418
15 Municipal/MS	379	4,548	454,537	\$27.00	\$3.8365	-	\$0.0228	123	1,744	0	10	1,877
16 PHA Rate 8	147	1,769	43,384	\$27.00	\$3.8365	-	\$0.0228	48	166	0	1	215
17 PHA/GS	1,835	22,020	163,415	\$18.00	\$6.5603	-	\$0.0228	396	1,072	0	4	1,472
18 PHA/GS- Senior	28	336	2,850	\$18.00	\$6.5603	-	\$0.0228	6	19	0	0	25
19 <i>Total Heat Firm</i>	473,274	5,679,289	40,898,715					104,428	261,457	7,581	932	374,398
<b>20 Total Heat &amp; Non-Heat Firm</b>	<b>496,992</b>	<b>5,963,905</b>	<b>42,503,310</b>					<b>110,085</b>	<b>269,751</b>	<b>7,709</b>	<b>969</b>	<b>388,514</b>
21												
<b>22 Firm Transport</b>												
<b>23 Non-Heating:</b>												
24 Residential	0	0	0	\$18.00	\$6.7275	-	-	0	0	0	0	0
25 Commercial	780	9,354	499,290	\$27.00	\$4.8108	-	-	253	2,402	0	0	2,655
26 Industrial	41	492	172,597	\$75.00	\$3.8170	-	-	37	659	0	0	696
27 Municipal/MS	196	2,352	58,837	\$27.00	\$3.8365	-	-	64	226	0	0	289
28 NGV	1	12	4,343	\$35.00	\$1.3005	-	-	0	6	0	0	6
29 <i>Total Non Heat FT</i>	1,018	12,210	735,067					353,382	3,292,162	0	0	3,646
30												
<b>31 Heating:</b>												
32 Residential	0	0	0	\$18.00	\$6.7275	-	-	0	0	0	0	0
33 Commercial	2,892	34,698	3,046,232	\$27.00	\$4.8108	-	-	937	14,655	0	0	15,592
34 Industrial	68	816	265,170	\$75.00	\$3.8170	-	-	61	1,012	0	0	1,073
35 Municipal/MS	189	2,268	359,365	\$27.00	\$3.8365	-	-	61	1,379	0	0	1,440
36 PHA	764	9,168	454,449	\$27.00	\$3.8365	-	-	248	1,743	0	0	1,991
37 <i>Total Heat FT</i>	3,913	46,950	4,125,216					1,307	18,789	0	0	20,096
38 <i>Total FT</i>	4,930	59,160	4,860,283					1,660	22,081	0	0	23,742
39												
40 <b>Total Interruptible Sales</b>	4	48	16,714					22				22
41 <b>Total PGW (Sales &amp; FT)</b>	<b>501,926</b>	<b>6,023,113</b>	<b>47,380,306</b>					<b>111,768</b>	<b>291,832</b>	<b>7,709</b>	<b>969</b>	<b>412,278</b>
42 GTS / IT Revenue												17,690
43 WNA Revenue												0
44 LNG Sales												3,680
45 <b>Total Full Tariff Revenue</b>												<b>433,648</b>

Actual Degree Days 3,855

NOTE - WITHOUT THE INCREASE IN THE UNIVERSAL SERVICES CHARGE & DSIC

III.E.20

**FY 2018 Fully Projected Future Test Year  
Typical Monthly Bill**

**February 28, 2017**

**September 1, 2017**

**Residential Heating**

<b>Unit Costs</b>	<b>Annual</b>		<b>Current Rates</b>		<b>Rate Change Update</b>	<b>Change In Annual Bill Due To Rate Increase</b>	<b>Change In Rate</b>
	<b>Usage/Months</b>	<b>Unit</b>					
Commodity Charge	76	Mcf	\$ 4.4417	Commodity Charge	\$ 4.4417	\$ -	\$ -
Gas Cost Adjustment	76	Mcf	\$ (0.0494)	Gas Cost Adjustment	\$ (0.0494)	\$ -	\$ -
Distribution Charge	76	Mcf	\$ 7.7183	Distribution Charge	\$ 8.4438	\$ 0.7255	\$ 0.7255
Customer Charge	12	Months	\$ 12.00	Customer Charge	\$ 18.00	\$ 6.00	\$ 6.00
DSIC		Percentage	<b>8.80%</b>	DSIC	<b>8.80%</b>		
<b>Total</b>			<b>\$ 1,128.70</b>				
<b>Annual Bill/Effect on Annual Bill</b>						<b>\$ 127.14</b>	
<b>Effect on Average Monthly Bill</b>			<b>\$ 94.06</b>			<b>11.3%</b>	<b>\$ 10.59</b>

**Commercial Heating**

<b>Unit Costs</b>	<b>Annual</b>		<b>Current Rates</b>		<b>Rate Change Update</b>	<b>Change In Annual Bill</b>	<b>Change In Rate</b>
	<b>Usage/Months</b>	<b>Unit</b>					
Commodity Charge	332	Mcf	\$ 4.2587	Commodity Charge	\$ 4.2587	\$ -	\$ -
Gas Cost Adjustment	332	Mcf	\$ (0.0494)	Gas Cost Adjustment	\$ (0.0494)	\$ -	\$ -
Distribution Charge	332	Mcf	\$ 6.3463	Distribution Charge	\$ 6.5658	\$ 0.2195	\$ 0.2195
Customer Charge	12	Months	\$ 18.00	Customer Charge	\$ 27.00	\$ 9.00	\$ 9.00
DSIC		Percentage	<b>8.80%</b>	DSIC	<b>8.80%</b>		
<b>Total</b>			<b>\$ 3,924.88</b>				
<b>Annual Bill/Effect on Annual Bill</b>						<b>\$ 180.87</b>	
<b>Effect on Average Monthly Bill</b>			<b>\$ 327.07</b>			<b>4.6%</b>	<b>\$ 15.07</b>
							<b>\$ 342.15</b>

**Industrial Heating**

<b>Unit Costs</b>	<b>Annual</b>		<b>Current Rates</b>		<b>Rate Change Update</b>	<b>Change In Annual Bill</b>	<b>Change In Rate</b>
	<b>Usage/Months</b>	<b>Unit</b>					
Commodity Charge	717	Mcf	\$ 4.2596	Commodity Charge	\$ 4.2596	\$ -	\$ -
Gas Cost Adjustment	717	Mcf	\$ (0.0494)	Gas Cost Adjustment	\$ (0.0494)	\$ -	\$ -
Distribution Charge	717	Mcf	\$ 6.2585	Distribution Charge	\$ 5.5349	\$ (0.7236)	\$ (0.7236)
Customer Charge	12	Months	\$ 50.00	Customer Charge	\$ 75.00	\$ 25.00	\$ 25.00
DSIC		Percentage	<b>8.80%</b>	DSIC	<b>8.80%</b>		
<b>Total</b>			<b>\$ 8,553.74</b>				
<b>Annual Bill/Effect on Annual Bill</b>						<b>\$ (218.82)</b>	
<b>Effect on Average Monthly Bill</b>			<b>\$ 712.81</b>			<b>-2.6%</b>	<b>\$ (18.24)</b>
							<b>\$ 694.58</b>

**Municipal Heating**

<b>Unit Costs</b>	<b>Annual</b>		<b>Current Rates</b>		<b>Rate Change Update</b>	<b>Change In Annual Bill</b>	<b>Change In Rate</b>
	<b>Usage/Months</b>	<b>Unit</b>					
Commodity Charge	1,192	Mcf	\$ 4.2471	Commodity Charge	\$ 4.2471	\$ -	\$ -
Gas Cost Adjustment	1,192	Mcf	\$ (0.0494)	Gas Cost Adjustment	\$ (0.0494)	\$ -	\$ -
Distribution Charge	1,192	Mcf	\$ 5.0530	Distribution Charge	\$ 5.5062	\$ 0.4532	\$ 0.4532
Customer Charge	12	Months	\$ 18.00	Customer Charge	\$ 27.00	\$ 9.00	\$ 9.00
DSIC		Percentage	<b>8.80%</b>	DSIC	<b>8.80%</b>		
<b>Total</b>			<b>\$ 11,791.88</b>				
<b>Annual Bill/Effect on Annual Bill</b>						<b>\$ 648.21</b>	
<b>Effect on Average Monthly Bill</b>			<b>\$ 982.66</b>			<b>5.5%</b>	<b>\$ 54.02</b>
							<b>\$ 1,036.67</b>

**PHA Heating**

<b>Unit Costs</b>	<b>Annual</b>		<b>Current Rates</b>		<b>Rate Change Update</b>	<b>Change In Annual Bill</b>	<b>Change In Rate</b>
	<b>Usage/Months</b>	<b>Unit</b>					
Commodity Charge	294	Mcf	\$ 4.2471	Commodity Charge	\$ 4.2471	\$ -	\$ -
Gas Cost Adjustment	294	Mcf	\$ (0.0494)	Gas Cost Adjustment	\$ (0.0494)	\$ -	\$ -
Distribution Charge	294	Mcf	\$ 5.8580	Distribution Charge	\$ 5.5672	\$ (0.2908)	\$ (0.2908)
Customer Charge	12	Months	\$ 18.00	Customer Charge	\$ 27.00	\$ 9.00	\$ 9.00
DSIC		Percentage	<b>8.80%</b>	DSIC	<b>8.80%</b>		
<b>Total</b>			<b>\$ 3,342.94</b>				
<b>Annual Bill/Effect on Annual Bill</b>						<b>\$ 22.50</b>	
<b>Effect on Average Monthly Bill</b>			<b>\$ 278.58</b>			<b>0.7%</b>	<b>\$ 1.88</b>
							<b>\$ 280.45</b>

**PHA/GS Heating**

<b>Unit Costs</b>	<b>Annual</b>		<b>Current Rates</b>		<b>Rate Change Update</b>	<b>Change In Annual Bill</b>	<b>Change In Rate</b>
	<b>Usage/Months</b>	<b>Unit</b>					
Commodity Charge	89	Mcf	\$ 4.2471	Commodity Charge	\$ 4.2471	\$ -	\$ -
Gas Cost Adjustment	89	Mcf	\$ (0.0494)	Gas Cost Adjustment	\$ (0.0494)	\$ -	\$ -
Distribution Charge	89	Mcf	\$ 6.6557	Distribution Charge	\$ 8.2547	\$ 1.5990	\$ 1.5990
Customer Charge	12	Months	\$ 12.00	Customer Charge	\$ 18.00	\$ 6.00	\$ 6.00
DSIC		Percentage	<b>8.80%</b>	DSIC	<b>8.80%</b>		
<b>Total</b>			<b>\$ 1,174.75</b>				
<b>Annual Bill/Effect on Annual Bill</b>						<b>\$ 214.31</b>	
<b>Effect on Average Monthly Bill</b>			<b>\$ 97.90</b>			<b>18.2%</b>	<b>\$ 17.86</b>
							<b>\$ 115.76</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.

Philadelphia Gas Works' Base Rate Filing

**III. BALANCE SHEET AND OPERATING STATEMENT**

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

**RESPONSE:** Not applicable.

Philadelphia Gas Works' Base Rate Filing

**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.

Philadelphia Gas Works' Base Rate Filing

**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 1379  
FY 2018 Fully Projected Future Test Year**

	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
NATURAL GAS BILLED	\$ 4,486,407	\$ 4,467,838	\$ 4,629,207	\$ 4,675,377	\$ 4,674,596	\$ 4,710,729	\$ 4,614,015	\$ 4,481,432	\$ 4,462,775	\$ 4,479,985	\$ 4,461,358	\$ 4,460,664	\$ 54,604,383
DEMAND CHARGE	\$ 7,601,518	\$ 11,059,444	\$ 12,765,114	\$ 14,619,232	\$ 13,327,199	\$ 13,613,392	\$ 10,212,565	\$ 11,440,461	\$ 10,536,745	\$ 8,725,236	\$ 8,779,680	\$ 8,615,000	\$ 131,293,576
COMMODITY CHARGE	\$ 12,087,925	\$ 15,527,281	\$ 17,392,321	\$ 19,294,610	\$ 18,001,796	\$ 18,324,121	\$ 14,826,570	\$ 15,921,893	\$ 14,999,520	\$ 13,205,222	\$ 13,241,037	\$ 13,075,664	\$ 185,897,959
DAILY & MONTHLY IMBALANCE CHARGES	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
INTERRUPTIBLE AND A/C CREDIT	\$ 8,330	\$ 4,359	\$ 3,992	\$ 4,242	\$ 4,275	\$ 3,886	\$ 4,168	\$ 3,830	\$ 3,881	\$ 6,548	\$ 8,415	\$ 9,803	\$ 65,731
SENDOUT VOLUME IN MCF	3,169	1,587	1,418	1,465	1,465	1,323	1,465	1,418	1,470	2,500	3,170	3,681	24,131
DKT CONVERSION FACTOR	1,050	1,050	1,050	1,050	1,050	1,050	1,050	1,050	1,050	1,050	1,050	1,050	1,050
PRICE \$/DKT	2,5034	2,6155	2,6819	2,7577	2,7790	2,7965	2,7096	2,5728	2,5746	2,4946	2,5281	2,5367	2,5367
GAS USED FOR UTILITY	\$ 27,587	\$ 37,011	\$ 65,440	\$ 117,860	\$ 147,537	\$ 160,575	\$ 169,565	\$ 84,665	\$ 31,336	\$ 25,280	\$ 16,776	\$ 23,985	\$ 907,615
NATURAL GAS TO STORAGE	\$ (5,131,751)	\$ (4,559,259)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (2,912,990)	\$ (6,467,765)	\$ (6,391,347)	\$ (6,363,512)	\$ (6,190,239)	\$ (38,016,863)
FROM STORAGE PGW	\$ -	\$ -	\$ 833,439	\$ 5,855,638	\$ 12,648,547	\$ 9,209,767	\$ 7,341,292	\$ 135,836	\$ -	\$ -	\$ -	\$ -	\$ 36,024,519
FT FROM STORAGE	\$ -	\$ -	\$ 39,547	\$ 242,614	\$ 461,385	\$ 412,230	\$ 92,520	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,246,296
NET NATURAL GAS STORAGE	\$ (5,131,751)	\$ (4,559,259)	\$ 833,439	\$ 5,855,638	\$ 12,648,547	\$ 9,209,767	\$ 7,341,292	\$ (2,777,153)	\$ (6,467,765)	\$ (6,391,347)	\$ (6,363,512)	\$ (6,190,239)	\$ (1,992,344)
LNG TO STORAGE	\$ (25,773)	\$ (869,721)	\$ (1,150,805)	\$ (1,049,901)	\$ (685,479)	\$ (455,651)	\$ (1,074,555)	\$ (931,152)	\$ (524,822)	\$ (12,865)	\$ -	\$ -	\$ (6,680,754)
FROM LNG PGW	\$ 433,735	\$ 448,541	\$ 433,898	\$ 495,938	\$ 986,640	\$ 950,234	\$ 462,367	\$ 448,171	\$ 461,158	\$ 445,400	\$ 460,237	\$ 460,237	\$ 6,486,757
FT FROM LNG	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
NET LNG STORAGE	\$ 407,962	\$ (421,180)	\$ (716,908)	\$ (553,962)	\$ 401,360	\$ 494,554	\$ (612,188)	\$ (482,981)	\$ (63,663)	\$ 432,535	\$ 460,237	\$ 460,237	\$ (193,997)
LNG SALES FROM LNG TANK	\$ 243,296	\$ 251,423	\$ 244,216	\$ 254,497	\$ 257,699	\$ 234,410	\$ 261,096	\$ 253,636	\$ 260,808	\$ 251,745	\$ 260,128	\$ 260,128	\$ 3,033,083
SENDOUT VOLUMES (MCF)	82,192	84,932	82,192	84,932	84,932	82,192	84,932	82,192	84,932	82,192	84,932	84,932	1,000,000
@ AVG LNG COMMODITY RATE	2,9601	2,9603	2,9713	2,9965	3,0342	3,0557	3,0742	3,0859	3,0708	3,0629	3,0628	3,0628	3,0628
NET NATURAL GAS EXPENSE	\$ 7,084,923	\$ 10,254,049	\$ 17,195,204	\$ 24,219,686	\$ 30,642,192	\$ 27,629,571	\$ 21,120,845	\$ 12,319,627	\$ 8,172,067	\$ 6,962,837	\$ 7,052,444	\$ 7,051,746	\$ 179,705,190
APPLICABLE GCR EXPENSE	\$ 7,084,923	\$ 10,254,049	\$ 17,195,204	\$ 24,219,686	\$ 30,642,192	\$ 27,629,571	\$ 21,120,845	\$ 12,319,627	\$ 8,172,067	\$ 6,962,837	\$ 7,052,444	\$ 7,051,746	\$ 179,705,190
NET NATURAL GAS EXPENSE	\$ 20,609	\$ 50,948	\$ 51,671	\$ 76,206	\$ 82,929	\$ 87,831	\$ 87,917	\$ 56,966	\$ 43,553	\$ 35,005	\$ 41,313	\$ 40,816	\$ 673,766
PURCHASED ELECTRIC & MISC PLANALYTICS	\$ -	\$ -	\$ -	\$ -	\$ 125,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 125,000
TOTAL APPLICABLE EXPENSES	\$ 7,105,532	\$ 10,304,997	\$ 17,246,874	\$ 24,295,892	\$ 30,850,121	\$ 27,717,403	\$ 21,208,762	\$ 12,376,594	\$ 8,215,620	\$ 6,996,642	\$ 7,093,756	\$ 7,092,562	\$ 180,503,956
TOTAL GCR FIRM SALES	879,246	1,205,475	2,884,277	5,184,228	8,940,883	8,340,500	6,243,044	4,025,624	1,770,889	1,092,618	1,027,407	909,119	42,503,310



**PROJECTED APPLICABLE FUEL EXPENSE  
SUMMARY  
SEPTEMBER 2016 - AUGUST 2017**

	SEPTEMBER 2016	OCTOBER 2016	NOVEMBER 2016	DECEMBER 2016	JANUARY 2017	FEBRUARY 2017	MARCH 2017	APRIL 2017	MAY 2017	JUNE 2017	JULY 2017	AUGUST 2017	TOTAL
<b>NATURAL GAS BILLED</b>													
DEMAND CHARGE	\$4,546,053	\$4,527,310	\$4,639,187	\$4,685,069	\$4,684,230	\$4,720,160	\$4,623,359	\$4,494,515	\$4,471,772	\$4,488,837	\$4,470,123	\$4,469,284	\$54,815,900
COMMODITY CHARGE	\$4,560,203	\$7,794,036	\$11,889,457	\$17,113,396	\$13,187,361	\$13,565,501	\$10,700,316	\$11,498,164	\$10,285,910	\$6,907,210	\$7,128,645	\$6,967,027	\$121,597,226
<b>TOTAL NATURAL GAS BILLED</b>	\$9,106,256	\$12,321,346	\$16,528,645	\$21,798,465	\$17,871,591	\$18,285,661	\$15,323,675	\$15,998,679	\$14,757,683	\$11,396,047	\$11,598,768	\$11,436,311	\$176,413,125
<b>INTERRUPTIBLE &amp; A/C CREDIT</b>	\$6,231	\$3,334	\$3,393	\$3,783	\$3,766	\$3,467	\$3,665	\$3,550	\$3,679	\$6,060	\$7,825	\$9,115	\$57,868
SENDOUT VOLUME IN MCF	3,169	1,587	1,418	1,465	1,465	1,323	1,465	1,418	1,470	2,500	3,170	3,681	24,131
DKT CONVERSION FACTOR	1,050	1,050	1,050	1,050	1,050	1,050	1,050	1,050	1,050	1,050	1,050	1,050	1,050
PRICE \$/DKT	\$1,8726	\$2,0001	\$2,2790	\$2,4592	\$2,4482	\$2,4950	\$2,3824	\$2,3849	\$2,3837	\$2,3088	\$2,3509	\$2,3585	\$2,3585
<b>GAS USED FOR UTILITY</b>	\$20,635	\$28,304	\$55,610	\$105,100	\$129,974	\$143,264	\$149,089	\$78,483	\$29,704	\$23,396	\$15,600	\$22,300	\$801,460
<b>NATURAL GAS TO STORAGE</b>													
FROM STORAGE PGW	(\$2,527,845)	(\$2,367,450)	\$0	\$0	\$0	\$0	\$0	(\$3,241,753)	(\$6,012,824)	(\$4,767,775)	(\$4,903,535)	(\$4,734,629)	(\$28,555,810)
FT FROM STORAGE	\$0	\$0	\$396,615	\$3,536,619	\$9,954,252	\$6,627,591	\$5,885,656	\$581,958	\$0	\$0	\$0	\$0	\$26,982,691
	\$0	\$0	\$31,117	\$217,599	\$338,843	\$269,809	\$82,363	\$1,255	\$0	\$0	\$0	\$0	\$940,986
<b>NET NATURAL GAS STORAGE</b>	(\$2,527,845)	(\$2,367,450)	\$396,615	\$3,536,619	\$9,954,252	\$6,627,591	\$5,885,656	(\$2,659,794)	(\$6,012,824)	(\$4,767,775)	(\$4,903,535)	(\$4,734,629)	(\$1,573,119)
<b>LNG TO STORAGE</b>													
FROM LNG PGW	(\$20,440)	(\$460,646)	(\$939,136)	(\$976,806)	(\$417,486)	(\$305,072)	(\$1,006,532)	(\$828,878)	(\$265,359)	(\$12,713)	\$0	\$0	(\$5,233,069)
NET LNG STORAGE	\$437,109	\$450,192	\$426,007	\$471,747	\$914,426	\$825,089	\$445,148	\$434,846	\$448,399	\$433,733	\$448,191	\$448,191	\$6,183,079
<b>LNG SALES FROM LNG TANK</b>													
SENDOUT VOLUMES (MCF)	\$241,841	\$249,716	\$238,455	\$244,526	\$246,267	\$223,824	\$248,960	\$244,085	\$251,559	\$243,296	\$251,406	\$251,406	\$2,935,340
@ AVG LNG COMMODITY RATE	\$2,9424	\$2,9402	\$2,9012	\$2,8791	\$2,8996	\$2,9177	\$2,9313	\$2,9697	\$2,9619	\$2,9601	\$2,9601	\$2,9601	\$2,9601
<b>NET NATURAL GAS EXPENSE</b>	\$6,726,372	\$9,662,089	\$16,114,672	\$24,476,616	\$27,942,775	\$25,062,714	\$20,246,232	\$12,608,735	\$8,642,957	\$6,776,540	\$6,868,593	\$6,867,053	\$171,995,348
<b>APPLICABLE GCR EXPENSE</b>													
NET NATURAL GAS EXPENSE	\$6,726,372	\$9,662,089	\$16,114,672	\$24,476,616	\$27,942,775	\$25,062,714	\$20,246,232	\$12,608,735	\$8,642,957	\$6,776,540	\$6,868,593	\$6,867,053	\$171,995,348
PURCHASED ELECTRIC & MISC PLANAUTYCS INC.	\$20,266	\$49,261	\$50,657	\$76,359	\$103,785	\$99,004	\$90,001	\$58,660	\$43,842	\$35,613	\$42,123	\$34,939	\$704,509
<b>TOTAL APPLICABLE EXPENSES</b>	\$6,746,637	\$9,711,350	\$16,165,329	\$24,552,975	\$28,171,560	\$25,161,718	\$20,336,234	\$12,667,395	\$8,686,799	\$6,812,154	\$6,910,716	\$6,901,992	\$172,824,857
<b>TOTAL GCR FIRM SALES</b>	884,484	1,407,502	3,302,533	5,807,170	9,436,057	8,348,830	6,472,282	4,447,841	2,096,074	1,131,048	1,023,037	905,135	45,261,994

**PG&W  
NET COST OF FUEL  
FY 2016 - Historic Test Year**

	SEP 2015	OCT	NOV	DEC	JAN 2016	FEB	MAR	APR	MAY	JUNE	JULY	AUGUST	TOTAL
<b>WACOG</b>													
Natural Gas Billed	\$2,211,231	\$2,317,639	\$2,445,639	\$2,305,486	\$2,417,135	\$2,423,810	\$2,440,854	\$2,353,175	\$2,232,367	\$1,993,786	\$2,149,617	\$1,939,863	\$27,230,603
Texas Eastern	2,604,978	2,615,151	2,554,522	2,680,305	2,768,313	2,848,519	2,557,620	2,790,403	2,522,574	2,594,926	2,464,811	2,773,601	31,775,722
Transco	5,482,248	8,735,330	5,701,685	8,299,920	13,365,127	11,046,376	6,689,389	4,592,621	4,828,226	3,710,043	5,502,533	4,805,159	82,756,657
Other	0	0	0	0	0	0	0	0	0	0	0	0	0
Less: System - Off Sales	0	0	0	0	0	0	0	0	0	0	0	0	0
Less: Off-Asset Management Agreement	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Natural Gas Billed	\$10,298,457	\$13,668,120	\$10,701,946	\$13,285,711	\$18,550,574	\$16,318,705	\$11,687,862	\$9,711,199	\$9,558,167	\$8,273,755	\$10,091,961	\$9,493,823	\$141,639,982
Less: Daily & Monthly Imbalance Charges	28,368	17,198	38,779	46,963	56,290	68,924	56,340	57,843	48,024	12,953	5,886	(16,192)	421,377
Less: LBS, NGV, AC & GTS	\$4,060	\$2,696	\$8,904	\$569	\$541	\$0	\$0	\$81	\$0	\$2,346	\$4,594	\$3,517	\$27,308
Sendout Volume (Mcf) @ Avoided Cost	1,744	871	3,728	227	239	0	0	47	0	1,446	2,199	2,247	12,748
	\$2,3279	\$3,0951	\$2,3885	\$2,5078	\$2,2652	\$2,2979	\$1,9349	\$1,7332	\$1,8555	\$1,6227	\$2,0893	\$1,5651	\$2,1421
Less: BPS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Sendout Volume (Mcf) @ Avoided Cost	\$2,3279	\$3,0951	\$2,3885	\$2,5078	\$2,2652	\$2,2979	\$1,9349	\$1,7332	\$1,8555	\$1,6227	\$2,0893	\$1,5651	\$1,5651
Less: LNG Sales from Tank	\$0	\$0	\$0	\$0	\$0	\$16,903	\$13,923	\$0	\$0	\$0	\$0	\$0	\$0
Sendout Volume (Mcf)	\$0,0000	\$0,0000	\$0,0000	\$0,0000	\$3,2177	\$5,439	\$4,480	\$0	\$2,9039	\$2,7710	\$0	\$0	\$0,919
	\$0,0000	\$0,0000	\$0,0000	\$0,0000	\$3,2177	\$3,1078	\$3,1078	\$2,9238	\$2,9039	\$2,7710	\$0	\$0	\$3,1078
Less: CO-Generation	\$1,483	\$3,305	\$3,950	\$3,139	\$2,957	\$5,744	\$4,313	\$3,397	(283)	\$1,279	\$2,322	\$14,768	\$46,374
Sendout Volume (Mcf) @ Commodity Cost	637	1,066	1,654	1,252	1,305	2,489	2,229	1,960	(153)	788	1,111	9,436	23,767
	\$2,3279	\$3,0951	\$2,3885	\$2,5078	\$2,2652	\$2,2979	\$1,9349	\$1,7332	1,8555	\$1,6227	\$2,0893	\$1,5651	\$1,9496
Less: Gas Utility Used	\$16,565	\$43,248	\$42,690	\$66,823	\$81,577	\$94,933	\$57,180	\$33,600	\$26,914	\$14,325	\$19,052	\$13,757	\$510,664
Sendout Volume (Mcf) @ Commodity Cost	7,116	13,973	17,873	26,646	36,013	41,313	29,552	19,386	14,505	8,828	9,119	8,790	233,115
	\$2,3279	\$3,0951	\$2,3885	\$2,5078	\$2,2652	\$2,2979	\$1,9349	\$1,7332	\$1,8555	\$1,6227	\$2,0893	\$1,5651	\$2,1906
Pipeline Storages	(3,140,670)	(2,811,189)	(785,584)	(872,311)	(304,774)	(159,894)	(558,097)	(464,591)	(1,098,644)	(2,583,947)	(4,084,742)	(3,817,841)	(20,682,284)
(To)	-	223,356	3,504,133	3,535,600	8,328,012	5,269,322	3,066,208	925,008	1,123,703	(26,077)	(274)	806,444	26,753,435
From	(\$3,140,670)	(\$2,587,833)	\$2,718,549	\$2,663,289	\$8,021,238	\$5,109,428	\$2,508,111	\$460,417	\$25,059	(\$2,610,024)	(\$4,085,016)	(\$3,011,397)	\$6,071,151
LNG Storage	\$0	(\$532,112)	(\$903,635)	(\$876,111)	(\$682,078)	(\$625,368)	(\$583,957)	(\$740,682)	(\$219,315)	\$65,292	\$8,634	\$0	(\$5,289,331)
(To)	226,536	212,109	259,958	248,190	916,481	1,066,323	226,029	209,885	211,769	179,024	177,714	182,069	4,116,067
From	\$226,536	(\$320,003)	(\$643,677)	(\$627,921)	\$34,383	\$440,955	(\$357,928)	(\$530,797)	(\$7,546)	\$244,316	\$186,348	\$182,069	(\$1,173,264)
NET NATURAL GAS	\$7,333,847	\$10,693,837	\$12,682,395	\$15,203,585	\$26,464,830	\$21,682,584	\$13,706,290	\$9,545,898	\$9,501,025	\$5,877,144	\$6,161,439	\$6,648,445	\$145,501,320
APPLICABLE GCR EXPENSES	\$7,333,847	\$10,693,837	\$12,682,395	\$15,203,585	\$26,464,830	\$21,682,584	\$13,706,290	\$9,545,898	\$9,501,025	\$5,877,144	\$6,161,439	\$6,648,445	\$145,501,320
Net Natural Gas Expense	0	0	0	0	0	0	125,000	0	0	0	0	0	125,000
Planalytics Inc.	22,397	39,681	57,904	55,564	76,561	77,980	64,217	47,777	40,158	10,551	54,145	27,389	574,324
Electric	\$7,356,244	\$10,733,518	\$12,740,299	\$15,259,149	\$26,541,391	\$21,760,564	\$13,895,507	\$9,593,675	\$9,541,183	\$5,887,695	\$6,215,584	\$6,675,834	\$146,200,644
Total GCR Expenses	10,623	12,196	8,913	8,759	11,284	9,149	9,212	12,251	9,325	10,614	14,025	13,193	129,543
Non-Fuel Expense :	-	549,415	621,010	570,305	625,126	601,202	563,635	757,660	603,981	627,270	731,544	1,303,378	7,554,527
ELRP Labor Expenses	2,532	4,305	1,728	31,779	2,387	12,883	14,172	15,436	12,319	12,238	3,963	271,054	384,796
ELRP Programmatic Expenses	(2,580,366)	(1,452,007)	2,250,502	5,686,259	10,196,817	10,828,112	8,489,760	4,982,892	1,114,289	(1,096,436)	(2,026,795)	(2,160,228)	34,232,797
ELRP Portfolio Allocation Expenses	\$533,280	\$561,291	\$542,000	\$616,950	\$781,302	\$718,458	\$867,149	\$934,553	\$855,603	\$825,567	768,032	801,053	8,805,239
Customer Responsibility Program	(\$2,033,931)	(\$324,800)	\$3,424,153	\$6,914,052	\$11,616,916	\$12,169,804	\$9,943,927	\$6,702,792	\$2,595,517	\$379,253	(\$509,231)	\$228,450	\$51,106,901
CRP Forgiveness 9/1/03	\$5,322,313	\$10,408,718	\$16,164,452	\$22,173,201	\$38,158,307	\$33,930,368	\$23,839,434	\$16,296,467	\$12,136,700	\$6,286,948	\$5,706,353	\$6,904,284	\$197,307,545
Total Non-Fuel Expenses	\$0	(\$6,328)	\$0	\$0	(\$1,167)	(\$6,382)	\$0	\$0	\$0	\$0	(\$8,662)	\$0	(\$22,540)
Total GCR plus Non-Fuel Expenses	0	(54)	(2,005)	0	(30)	0	0	0	0	0	(107)	0	(2,196)
Natural Gas Refund	\$0	(\$6,382)	\$0	\$0	(\$1,167)	(\$6,382)	\$0	\$0	\$0	\$0	(\$8,662)	\$0	(\$22,540)
Interest on Refund	\$0	(54)	(2,005)	0	(30)	0	0	0	0	0	(107)	0	(2,196)
Total Refund Received	\$0	(\$6,382)	(\$2,005)	\$0	(\$1,197)	(\$6,382)	\$0	\$0	\$0	\$0	(\$8,769)	\$0	(\$24,736)
Demand Charges	\$4,900,132	\$4,875,008	\$4,906,154	\$4,882,448	\$5,007,784	\$5,036,303	\$4,827,940	\$5,012,175	\$4,718,222	\$4,559,675	\$4,593,759	\$4,602,321	\$57,921,922
Commodity Charges	\$5,398,325	\$8,793,112	\$5,795,692	\$8,403,263	\$13,542,700	\$11,282,402	\$6,859,922	\$4,699,024	\$4,839,945	\$3,714,081	\$5,498,202	\$4,891,301	\$3,718,060
Total	\$10,298,457	\$13,668,120	\$10,701,846	\$13,285,711	\$18,550,574	\$16,318,705	\$11,687,862	\$9,711,199	\$9,558,167	\$8,273,756	\$10,091,961	\$9,493,823	\$141,639,982

Philadelphia Gas Works' Base Rate Filing

**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, 2017**

Formula:  
GCR = SSC + GAC - IRC

where:

	<u>Demand</u>	<u>Commodity</u>	<u>Total</u>	
S = Firm Sales (Mcf)			42,503,310	GCR 3
<hr/>				
Net Natural Gas Expense	\$ 54,604,383	\$ 125,100,807	\$ 179,705,190	
Purchased Electric & Misc Expenses	\$ -	\$ 798,766	\$ 798,766	
C = Total Applicable GCR Expense	\$ 54,604,383	\$ 125,899,572	\$ 180,503,956	GCR 5
SSC = C / S	\$ 1.2847	\$ 2.9621	\$ 4.2468	

Adjustment For:

E-Factor Volumes (Mcf)			42,503,310	
Interest	\$ (250,911)	\$ 15,971	\$ (234,940)	GCR 6 (b)
E-Factor Reconciliation	\$ (1,576,386)	\$ 1,595,145	\$ 18,760	GCR 8 (b), (c)
	\$ (1,827,297)	\$ 1,611,117	\$ (216,180)	
E = E-Factor	\$ (0.0430)	\$ 0.0379	\$ (0.0051)	

Interruptible Revenue Credit \$ 14,429 GCR 7 (a)

IRC = Interruptible Revenue Credit / S \$ 0.0003

Net Applicable GCR Expenses = C + E - Interruptible Revenue Credit \$ 180,273,347

GCR = SSC + GAC - IRC \$ 4.2414

SSC in effect 9/01/17	\$ 1.2681	\$ 2.9238	\$ 4.1919	
GAC in effect 9/01/17	\$ (0.0313)	\$ 0.0276	\$ (0.0037)	
IRC in effect 9/01/17			\$ (0.0003)	
GCR in effect 9/01/17			\$ 4.1879	GCR 2

Recovery Test on:

Firm Sales (Mcf)		42,503,310	
= GCR Projected Recovery	\$	177,751,663	
= Load Balancing Revenue	\$	1,239,104	
= LNG Sales Demand Revenue	\$	<u>1,284,700</u>	
= Total Projected Recovery	\$	180,275,467	GCR 2
Compared To			
Net Applicable GCR Expenses	\$	<u>180,273,347</u>	
= Net Over/(Under) Recovery	\$	<u>2,121</u>	

Degree Days 3,855

**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.

Philadelphia Gas Works' Base Rate Filing

**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:**

PGW does not have firm gas purchase contracts with any utilities. PGW does not have an affiliate.

Philadelphia Gas Works' Base Rate Filing

**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.



Philadelphia Gas Works' Base Rate Filing

**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:**

Please see attached schedule.

	<b>MCF @1050 BTU</b>	<b>COSTS</b>
<b>Spot Purchases - Transco</b>	6,309,225	\$ 18,399,211
<b>Transco Supply 2</b>	4,146,550	\$ 12,068,191
<b>Transco Supply 8</b>	2,593,824	\$ 7,716,962
<b>Transco Supply 22</b>	3,549,091	\$ 10,381,204
<b>Spot Purchases - Tetco</b>	26,116,704	\$ 68,553,397
<b>Tetco Supply 24</b>	2,498,301	\$ 6,428,454
<b>Tetco Supply 26</b>	<u>2,256,700</u>	<u>\$ 5,814,246</u>
<b>Supply Subtotal</b>	47,470,395	129,361,664
<b>Supply Transportation Charges</b>		\$ 2,344,840
<b>Storage Injection and Withdrawal Charges</b>		<u>\$ 1,014,717</u>
<b>Received Gas Cost</b>		\$ 132,721,222
<b>Supply for FT</b>	4,488,801	\$ -
<b>Transportation Fuel</b>	(1,086,517)	\$ -
<b>Total City Gate Delivered (PGW)</b>	50,872,679	\$ 132,721,222
<b><u>Storage</u></b>		
<b>PGW Storage Injected</b>	13,458,834	\$ 39,265,159
<b>FT Payback Storage</b>	484,207	\$ (1,248,296)
<b>LNG Liquified</b>	2,202,415	\$ 6,680,754
<b>FT Payback LNG</b>	<u>0</u>	<u>\$ -</u>
<b>To Storage</b>	16,145,456	\$ 44,697,617
<b>PGW Storage Withdrawal</b>	13,434,873	\$ 36,024,519
<b>Withdrawal for FT</b>	484,207	\$ 1,248,296
<b>LNG Sales</b>	1,000,000	\$ 3,033,083
<b>PGW LNG Vaporization</b>	1,173,034	\$ 3,453,675
<b>LNG for FT</b>	<u>0</u>	<u>\$ -</u>
<b>From Storage</b>	16,092,114	\$ 43,759,572
<b>Natural Gas Supply</b>	50,819,336	
<b>Plant Use</b>	(139,671)	
<b>Storage Inj /Wd Fuel</b>	<u>(441,986)</u>	
	50,237,680	
<b>Company Use</b>	<u>(331,213)</u>	
	49,906,467	
<b>Line loss or Unaccounted for gas</b>	<u>(1,519,493)</u>	
<b>Total Sales</b>	48,386,974	

Philadelphia Gas Works' Base Rate Filing

**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, 2017**

Formula:  
GCR = SSC + GAC - IRC

where:

	<u>Demand</u>	<u>Commodity</u>	<u>Total</u>	
S = Firm Sales (Mcf)			42,503,310	GCR 3
<hr/>				
Net Natural Gas Expense	\$ 54,604,383	\$ 125,100,807	\$ 179,705,190	
Purchased Electric & Misc Expenses	\$ -	\$ 798,766	\$ 798,766	
C = Total Applicable GCR Expense	\$ 54,604,383	\$ 125,899,572	\$ 180,503,956	GCR 5
SSC = C / S	\$ 1.2847	\$ 2.9621	\$ 4.2468	

Adjustment For:

E-Factor Volumes (Mcf)			42,503,310	
Interest	\$ (250,911)	\$ 15,971	\$ (234,940)	GCR 6 (b)
E-Factor Reconciliation	\$ (1,576,386)	\$ 1,595,145	\$ 18,760	GCR 8 (b), (c)
	\$ (1,827,297)	\$ 1,611,117	\$ (216,180)	
E = E-Factor	\$ (0.0430)	\$ 0.0379	\$ (0.0051)	

Interruptible Revenue Credit \$ 14,429 GCR 7 (a)

IRC = Interruptible Revenue Credit / S \$ 0.0003

Net Applicable GCR Expenses = C + E - Interruptible Revenue Credit \$ 180,273,347

GCR = SSC + GAC - IRC \$ 4.2414

SSC in effect 9/01/17	\$ 1.2681	\$ 2.9238	\$ 4.1919	
GAC in effect 9/01/17	\$ (0.0313)	\$ 0.0276	\$ (0.0037)	
IRC in effect 9/01/17			\$ (0.0003)	
GCR in effect 9/01/17			\$ 4.1879	GCR 2

Recovery Test on:

Firm Sales (Mcf)		42,503,310	
= GCR Projected Recovery	\$	177,751,663	
= Load Balancing Revenue	\$	1,239,104	
= LNG Sales Demand Revenue	\$	<u>1,284,700</u>	
= Total Projected Recovery	\$	180,275,467	GCR 2
Compared To			
Net Applicable GCR Expenses	\$	<u>180,273,347</u>	
= Net Over/(Under) Recovery	\$	<u>2,121</u>	

Degree Days 3,855

Philadelphia Gas Works' Base Rate Filing

**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, 2018</u>	<u>August 31, 2017</u>	<u>August 31, 2016</u>	<u>August 30, 2015</u>
1) Gas Production Maintenance Expenses	\$1,025,000	\$891,446	\$1,139,144	\$1,132,007
Gross Plant Production	\$60,359,447	\$60,359,447	\$60,359,447	\$59,552,848
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	\$16.982	\$14.769	\$18.873	\$19.008
2) Transmission Maintenance Expenses	\$2,018,000	\$1,874,400	\$1,981,390	\$1,932,063
Gross Transmission Expenses	\$0	\$0	\$0	\$0
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	\$33,306,000	\$32,556,835	\$29,818,461	\$30,275,204
Gross Distribution Plant	\$1,824,229,704	\$1,758,146,144	\$1,689,747,098	\$1,625,797,268
Total Customers	502,000	501,000	502,000	501,000
Per Customer	\$66.35	\$64.98	\$59.40	\$60.43
Per \$1000 of Gross Distribution Plant	\$18.26	\$18.52	\$17.65	\$18.62
4) Storage Maintenance Expense	\$5,699,000	\$5,421,800	\$6,629,509	\$5,656,585
Gross Storage Plant	\$155,084,292	\$150,986,611	\$145,112,332	\$143,733,065
Maximum Gross Storage Capacity (Mmcf)	4,299	4,299	4,299	4,299
Per Mmcf of Storage Capacity	\$1,325.66	\$1,261.18	\$1,542.07	\$1,315.76
Per \$1000 of Gross Storage Plant	\$36.75	\$35.91	\$45.69	\$39.35
<b>INFORMATIONAL PURPOSES ONLY:</b>				
5) Gross General Plant	\$300,736,982	\$297,767,456	\$283,413,017	\$264,030,339
6) Leased Computer Related Equipment	0	0	0	0
7) Leased Transportation Equipment	0	0	0	0
8) Lease Adjustment	0	0	0	0
<b>TOTAL GROSS PLANT</b>	<b>\$2,340,410,425</b>	<b>\$2,267,259,658</b>	<b>\$2,178,631,894</b>	<b>\$2,093,113,520</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

**III. BALANCE SHEET AND OPERATING STATEMENT**

***OTHER GAS SUPPLY EXPENSES***

***OPERATION***

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

**III. BALANCE SHEET AND OPERATING STATEMENT**

- 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
- 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

**III. BALANCE SHEET AND OPERATING STATEMENT**

858 Transmission and compression of gas by others  
859 Other expenses  
860 Rents  
    Total

***MAINTENANCE***

861 Maintenance supervision and engineering  
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

**III. BALANCE SHEET AND OPERATING STATEMENT**

893 Maintenance of meters and house regulators  
894 Maintenance of other equipment  
Total  
Total Distribution Expenses

***CUSTOMER ACCOUNTS EXPENSES***

***OPERATION***

901 Supervision  
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

Philadelphia Gas Works' Base Rate Filing

**III. BALANCE SHEET AND OPERATING STATEMENT**

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

**RESPONSE:**

Please see attached.

**PHILADELPHIA GAS WORKS**  
**COMPARATIVE OPERATING STATEMENTS**  
**TWELVE MONTHS ENDED AUGUST 31, 2016, 2017 & 2018**

	FY 2016	PERIOD FY 2017	FY 2018
<b>OPERATING EXPENSES INCLUDING FUEL AND RAW MATERIAL</b>			
<b>STEAM PRODUCTION</b>			
7010 OPERATING LABOR	230,135	166,595	191,000
7020 BOILER FUEL	108,778	171,640	98,000
7030 MISC STEAM EXPENSES	345,552	359,895	335,000
7060 MAINT OF STRUCTURE & IMPROVEMENTS	3,112	3,970	3,000
7070 MAINT OF BOILER PLANT EQUIPMENT	235,063	190,399	212,000
7080 MAINT OF OTHER STEAM PRODUCTION PLANT	17,250	0	10,000
7100 OPERATION SUPERVISION AND ENGINEERING	648	0	5,000
<b>MANUFACTURED GAS PRODUCTION</b>			
7120 LABOR & EXP - OTHER POWER EXP	745,939	829,005	793,000
7170 LABOR & EXP LIQUEFIED PETROLEUM	8	0	0
<b>GAS RAW MATERIAL</b>			
7340 GAS RAW MAT'L DUPLICATE CHARGES - CREDIT	(574,325)	(668,000)	(622,000)
7350 GAS RAW MAT'L MISC PROD EXP	1,233,696	1,099,552	1,143,000
7400 MAINTENANCE SUPERVISION AND ENGINEERING	338,661	270,100	303,000
7410 MAINT OF STRUCTURE & IMPROVEMENTS	115,518	61,071	102,000
7420 MAINT OF PRODUCTION EQUIP	429,539	365,906	395,000
<b>OTHER GAS SUPPLY EXPENSES</b>			
8040 NATURAL GAS CITY GATE PURCHASES	141,617,446	176,413,124	185,897,000
8072 PURCHASE GAS EXPENSES	97,983	310,680	178,000
8075 PURCHASE GAS EXPENSES	1,903,710	5,681,817	3,052,000
8081 GAS WITHDRAWN FROM STORAGE - DEBIT	29,425,018	34,106,755	43,760,000
8082 GAS DELIVERED TO STORAGE - DEBIT	(24,527,132)	(33,788,879)	(44,698,000)
8120 GAS USED FOR UTILITY OPERATIONS - CREDIT	(7,538,614)	(12,161,523)	(9,913,000)
8130 OTHER GAS SUPPLY EXPENSE	6,205,247	8,375,006	8,840,000
<b>OTHER STORAGE EXPENSES</b>			
8400 RATION SUPERVISION & ENGINEERING	1,119,836	1,041,999	1,066,000
8410 OTHER STORAGE EXP OPERATIONS LABOR & EXPENSES	3,197,766	3,158,689	3,050,000
8421 FUEL	89,643	136,060	87,000
8422 POWER	319,836	348,756	334,000
8431 MAINTENANCE SUPERVISION & ENGINEERING	664,012	622,372	597,000
8432 MAINTENANCE OF STRUCTURE & IMPROVEMENTS	1,015,727	969,339	955,000
8433 MAINTENANCE OF GAS HOLDERS	952,332	550,493	657,000
8434 MAINTENANCE OF PURIFICATION EQUIPMENT	15,246	20,813	17,000
8435 MAINTENANCE OF LIQUEFACTION EQUIPMENT	1,102,677	817,973	879,000
8436 MAINTENANCE OF VAPORIZING EQUIPMENT	919,708	785,892	868,000
8437 MAINTENANCE OF COMPRESSOR EQUIPMENT	280,971	326,366	288,000
8438 MAINTENANCE OF MEASURING & REGULATING EQUIPMENT	150,499	158,113	167,000
8439 MAINTENANCE OF OTHER EQUIPMENT	1,528,337	1,170,439	1,271,000
<b>TRANSMISSION EXPENSES</b>			
8500 TRANSMISSION EXPENSES OPERATION SUPERVISION & ENGINEERING	1,405,628	1,499,375	1,278,000
<b>DISTRIBUTION EXPENSES</b>			
8700 OPERATION SUPERVISION & ENGINEERING	1,981,390	1,874,400	2,018,000
8710 DISTRIBUTION LOAD DISPATCHING	1,396,698	1,613,451	1,650,000
8740 MAIN & SERVICE	3,782,732	4,708,000	4,617,000
8750 MEASURING & REGULATING STATION EXPENSES - GENERAL	1,764,014	2,033,109	2,102,000
8760 PURCHASE GAS EXPENSES	129,323	0	47,000
8770 MEASURING & REGULATING STATION EXP - CITY GATE CHECK STATIONS	606,157	548,493	550,000
8780 METER & HOUSE REGULATOR EXPENSES	15,906,273	18,627,907	18,417,000
8790 CUSTOMER INSTALLATION EXPENSES	1,526,970	2,173,521	3,006,000
8800 OTHER OPERATION EXPENSES	11,878,034	13,198,456	12,935,000
8810 DISTRIBUTION EXPENSES - RENTS	4,537	7,000	7,000
8850 MAINTENANCE SUPERVISION & ENGINEERING	261,026	368,800	300,000
8870 MAINTENANCE OF MAINS	22,672,888	25,060,004	25,719,000
8890 MAINTENANCE OF MEASURING & REGULATING STATION EQUIPMENT	1,216,937	995,217	1,184,000
8900 INDUSTRIAL M&R MAINTENANCE	19,709	0	6,000
8910 MAINTENANCE OF MEASURING & REGULATING STATION EQUIPMENT	470,453	533,589	487,000
8920 MAINTENANCE OF SERVICES	1,481,802	1,974,196	1,800,000
8930 MAINTENANCE OF METERS & HOUSE REGULATORS	3,715,354	3,625,029	3,810,000

**PHILADELPHIA GAS WORKS**  
**COMPARATIVE OPERATING STATEMENTS**  
**TWELVE MONTHS ENDED AUGUST 31, 2016, 2017 & 2018**

	FY 2016	PERIOD FY 2017	FY 2018
<b>CUSTOMER ACCOUNTS EXPENSES</b>			
9010 SUPERVISION	500,497	2,229,425	1,109,000
9020 METER READING EXPENSES	731,697	706,392	785,000
9030 CUSTOMER RECORDS & COLLECTION EXPENSES	22,101,582	22,706,453	24,774,000
9040 UNCOLLECTIBLE ACCOUNTS	27,133,023	30,654,000	26,956,000
9080 CUSTOMER ASSISTANCE EXPENSES	4,511,919	5,371,860	5,476,000
<b>ADMINISTRATIVE &amp; GENERAL</b>			
9200 SALARIES	13,675,242	11,938,564	14,442,000
9210 OFFICE SUPPLIES & EXPENSES	29,195,835	22,475,245	22,663,000
9220 ADMINISTRATIVE EXPENSES TRANSFERRED - CREDIT	(20,855,356)	(27,328,000)	(24,565,000)
9230 OUTSIDE SERVICES EMPLOYED	1,737,143	4,025,000	1,660,000
9240 PROPERTY INSURANCE	1,035,931	1,422,597	4,853,000
9250 INJURIES & DAMAGES	7,711,871	9,619,540	6,415,000
9260 EMPLOYEE PENSIONS & BENEFITS	129,203,642	133,254,241	115,230,000
9280 REGULATORY COMMISSION EXPENSES	4,171,084	5,037,000	5,157,000
9290 DUPLICATE CHARGES - CREDIT	(620,856)	(801,000)	(913,000)
9301 GENERAL ADVERTISING EXPENSES	413,539	2,689,671	2,455,000
9302 MISCELLANEOUS GENERAL EXPENSES	3,133,627	3,079,048	3,565,000
9310 RENTS	256,368	317,000	330,000
<b>OTHER EXPENSES</b>			
4081 TAXES OTHER THAN INCOME TAXES, UTILITY OPERATING INCOME	7,520,710	8,232,000	8,437,000
4030 DEPRECIATION EXPENSE	45,448,383	46,171,000	47,180,000
<b>LESS APPLIANCE &amp; OTHER REVENUE REPORTED AS A CREDIT TO OPERATING EXPENSE ACCOUNTS</b>			
8790 CUSTOMER INSTALLATION EXPENSE	(5,910,830)	(6,317,000)	(6,382,000)
9030 CUSTOMER RECORDS & COLLECTION EXPENSE	(2,050,574)	(1,865,000)	(1,883,000)
<b>TOTAL OPERATING &amp; DEPRECIATION EXPENSES</b>	<b>516,957,031</b>	<b>560,717,000</b>	<b>554,527,000</b>
<b>INTEREST EXPENSES</b>			
4270 INTEREST ON LONG TERM DEBT (DR)	40,295,307	44,834,000	49,160,000
4280 AMORTIZATION OF DEBT DISCOUNT AND EXPENSE (DR)	2,737,368	163,000	101,888
4281 AMORTIZATION OF LOSS ON REACQUIRED DEBT	6,346,734	7,890,000	4,245,796
4290 AMORTIZATION OF PREMIUM ON DEBT (CR)	(4,878,288)	(10,037,000)	(9,363,970)
4310 OTHER INTEREST EXPENSE (DR)	4,237,228	4,006,000	3,789,286
4320 ALLOWANCE FOR BORROWED FUNDS USED DURING CONSTRUCTION (CR)	(1,119,714)	(1,136,000)	(920,000)
<b>TOTAL INTEREST EXPENSES</b>	<b>47,618,635</b>	<b>45,720,000</b>	<b>47,013,000</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 2014, 2015 and 2016.

*sep 14*

**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 ENERGY	3.7%	1.066	468,900	439,869	17,310	16,238	423,630	\$22,805.30	\$35,811.51	\$970,075.95	\$2.0688
EXELON	4.3%	1.066	144,269	135,337	6,234	5,848	129,489	\$8,571.97	\$26,432.16	\$611,700.56	\$4.2400
OXY	3.7%	1.066	97,602	91,559	3,602	3,379	88,180	\$4,747.00	\$7,772.94	\$210,620.38	\$2.1580
SHELL	3.7%	1.066	300,000	281,426	11,070	10,435	270,991	\$14,590.97	\$35,922.15	\$973,500.00	\$3.2450
<b>Totals &amp; Averages</b>	<b>3.8%</b>	<b>1.066</b>	<b>1,010,771</b>	<b>948,190</b>	<b>38,216</b>	<b>35,900</b>	<b>912,291</b>	<b>\$50,715.24</b>	<b>\$105,938.76</b>	<b>\$2,765,896.89</b>	<b>\$2.7364</b>

**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	0.5%	1.034	150,000	145,068	810	783	144,284	\$1,247.10	\$3,636.90	\$673,500.00	\$4.4900
BG ENERGY	0.4%	1.034	150,000	145,068	660	638	144,429	\$996.30	\$2,717.88	\$617,700.00	\$4.1180
BNP PARIBAS	0.2%	1.034	150,000	145,068	360	348	144,720	\$1,010.10	\$1,278.00	\$532,500.00	\$3.5500
BP ENERGY	0.2%	1.034	150,000	145,068	360	348	144,720	\$1,010.10	\$1,243.80	\$518,250.00	\$3.4550
COYANOSA	0.2%	1.034	150,000	145,068	360	348	144,720	\$1,009.80	\$1,285.92	\$535,800.00	\$3.5720
EXELON	1.0%	1.034	300,000	290,135	3,090	2,988	287,147	\$5,362.50	\$14,198.55	\$1,378,500.00	\$4.5950
IBERDROLA	1.6%	1.034	651,353	629,935	10,534	10,188	619,748	\$18,834.23	\$43,586.11	\$2,695,076.97	\$4.1377
ES 1		1.034		0	1,408	1,362	0	\$2,523.67			
ES 2		1.034		0	1,980	1,915	0	\$3,577.50			
WSS SAG		1.034		0	3,524	3,408	0	\$6,092.97			
<b>Totals &amp; Averages</b>	<b>1.4%</b>	<b>1.034</b>	<b>1,701,353</b>	<b>1,645,409</b>	<b>23,086</b>	<b>22,327</b>	<b>1,629,767</b>	<b>\$41,664.27</b>	<b>\$67,947.16</b>	<b>\$6,951,326.97</b>	<b>\$4.0858</b>

<b>Grand Total</b>	<b>2.3%</b>	<b>1.046</b>	<b>2,712,124</b>	<b>2,593,600</b>	<b>61,302</b>	<b>58,227</b>	<b>2,542,057</b>	<b>\$92,379.51</b>	<b>\$173,885.91</b>	<b>\$9,717,223.86</b>	<b>\$3.5829</b>
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Oct 14

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 ENERGY	3.7%	1.065	218,673	205,327	8,071	7,605	197,721	\$10,677.52	\$13,058.06	\$353,790.74	\$1.6179
EXELON	4.3%	1.065	153,944	144,548	6,651	6,325	138,223	\$9,176.36	\$28,200.24	\$652,722.56	\$4.2400
SHELL	3.7%	1.065	310,000	291,080	11,439	10,821	280,259	\$15,137.05	\$37,119.56	\$1,005,950.00	\$3.2450
<b>Totals &amp; Averages</b>	<b>3.8%</b>	<b>1.065</b>	<b>682,617</b>	<b>640,955</b>	<b>26,161</b>	<b>24,751</b>	<b>616,204</b>	<b>\$34,990.93</b>	<b>\$78,377.85</b>	<b>\$2,012,463.30</b>	<b>\$2.9482</b>

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	0.5%	1.033	155,000	150,048	837	720	149,328	\$1,288.67	\$3,201.53	\$592,875.00	\$3.8250
BG ENERGY	0.4%	1.033	155,000	150,048	682	570	149,478	\$1,029.51	\$2,808.48	\$638,290.00	\$4.1180
BNP PARIBAS	0.2%	1.033	125,000	121,007	300	230	120,776	\$866.50	\$1,320.60	\$550,250.00	\$4.4020
BP ENERGY	0.2%	1.033	125,000	121,007	300	230	120,776	\$866.50	\$1,036.50	\$431,875.00	\$3.4550
COYANOSA	0.2%	1.033	125,000	121,007	300	230	120,776	\$866.50	\$1,079.70	\$449,875.00	\$3.5990
EXELON	1.0%	1.033	310,000	300,097	3,193	2,891	297,206	\$5,571.63	\$14,671.84	\$1,424,450.00	\$4.5950
IBERDROLA	1.6%	1.033	555,946	538,186	8,888	8,383	529,803	\$16,037.26	\$36,284.19	\$2,269,582.66	\$4.0824
OXY	1.7%	1.033	333,831	323,167	5,676	5,275	317,892	\$10,139.98	\$21,229.14	\$1,248,580.76	\$3.7402
SHELL	1.7%	1.033	220,000	212,972	3,740	3,421	209,551	\$6,682.50	\$14,252.80	\$838,400.00	\$3.8109
ES1		1.033		0	1,258	1,218	0	\$2,268.18	\$0.00	\$0.00	\$0.00
ES2		1.033		0	1,864	1,804	0	\$3,393.55	\$0.00	\$0.00	\$0.00
WSS SAG		1.033		0	3,759	3,639	0	\$6,537.78	\$0.00	\$0.00	\$0.00
<b>Totals &amp; Averages</b>	<b>1.5%</b>	<b>1.033</b>	<b>2,104,777</b>	<b>2,037,538</b>	<b>30,797</b>	<b>28,612</b>	<b>2,015,587</b>	<b>\$55,548.56</b>	<b>\$95,884.76</b>	<b>\$8,444,178.42</b>	<b>\$4.0119</b>
<b>Grand Total</b>	<b>2.0%</b>	<b>1.041</b>	<b>2,787,394</b>	<b>2,678,493</b>	<b>56,958</b>	<b>53,363</b>	<b>2,631,791</b>	<b>\$90,539.49</b>	<b>\$174,262.62</b>	<b>\$10,456,641.72</b>	<b>\$3.7514</b>



Nov 14

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	5.8%	1.069	20,000	18,709	1,166	1,021	17,688	\$1,631.03	\$4,981.74	\$85,450.00	\$4.2725
BNP	3.7%	1.069	150,000	140,318	5,520	5,004	135,314	\$7,325.13	\$13,744.80	\$373,500.00	\$2.4900
COYANOSA	5.9%	1.069	150,000	140,318	8,820	8,086	132,232	\$11,336.75	\$37,485.00	\$637,500.00	\$4.2500
EQT	3.7%	1.069	630,000	589,336	23,236	21,551	567,785	\$30,762.94	\$77,804.64	\$2,109,525.00	\$3.3485
MACQUARIE	5.9%	1.069	150,000	140,318	8,820	8,094	132,224	\$11,336.75	\$38,543.40	\$655,500.00	\$4.3700
OCCIDENTAL	4.3%	1.069	300,000	280,636	12,990	11,967	268,670	\$17,880.72	\$51,310.50	\$1,185,000.00	\$3.9500
SEQUENT	3.9%	1.069	480,000	449,018	18,676	17,291	431,727	\$25,053.61	\$65,619.88	\$1,686,525.00	\$3.5136
TENASKA	4.3%	1.069	150,000	140,318	6,510	5,930	134,388	\$8,939.42	\$25,323.90	\$583,500.00	\$3.8900
Totals & Averages	4.2%	1.069	2,030,000	1,898,971	85,738	78,942	1,820,029	\$114,266.35	\$314,813.85	\$7,316,500.00	\$3.6042

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	0.5%	1.039	150,000	144,370	810	710	143,660	\$1,247.10	\$3,361.50	\$622,500.00	\$4.1500
BG	0.4%	1.039	150,000	144,370	660	565	143,804	\$996.30	\$2,781.90	\$632,250.00	\$4.2150
BNP	0.2%	1.039	600,000	577,478	1,440	1,253	576,225	\$4,160.10	\$3,931.20	\$1,638,000.00	\$2.7300
BP	0.5%	1.039	150,000	144,370	810	710	143,660	\$1,247.10	\$3,191.40	\$591,000.00	\$3.9400
COYANOSA	2.1%	1.039	150,000	144,370	3,090	2,834	141,536	\$5,303.70	\$12,251.85	\$594,750.00	\$3.9650
IBERDROLA	1.5%	1.039	450,000	433,109	6,840	6,433	426,676	\$12,435.00	\$27,816.00	\$1,830,000.00	\$4.0667
MACQUARIE	1.5%	1.039	150,000	144,370	2,280	2,064	142,305	\$4,144.80	\$9,222.60	\$606,750.00	\$4.0450
OCCIDENTAL	1.6%	1.039	770,000	741,097	12,280	11,659	729,438	\$22,155.00	\$47,537.95	\$2,980,800.00	\$3.8712
TENASKA	1.5%	1.039	290,000	279,115	4,408	4,093	275,022	\$8,013.64	\$18,171.22	\$1,195,475.12	\$4.1223
ESI	1.039	1.039	0	0	1,323	1,273	0	\$2,385.72	\$0.00		
ESI INV.	1.039	1.039	0	0	938	903	0	\$1,705.10	\$0.00		
ES2	1.039	1.039	0	0	1,876	1,806	0	\$3,412.82	\$0.00		
ES2 INV.	1.039	1.039	0	0	1,342	1,292	0	\$2,442.53	\$0.00		
WSS SAG	1.039	1.039	0	0	3,022	2,909	0	\$5,199.60	\$0.00		
WSS INV.	1.039	1.039	0	0	2,642	2,543	0	\$4,804.83	\$0.00		
Totals & Averages	1.5%	1.039	2,860,000	2,752,647	43,761	41,045	2,722,326	\$79,653.34	\$128,265.63	\$10,691,525.12	\$3.7383
Grand Total	2.6%	1.051	4,890,000	4,651,618	129,499	119,987	4,542,355	\$193,919.69	\$443,079.48	\$18,008,025.12	\$3.6826

Dec 14

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
BNP	3.6%	1.069	155,000	144,995	5,642	5,403	139,592	\$8,393.92	\$14,048.58	\$385,950.00	\$2.4900
COYANOSA	5.5%	1.069	155,000	144,995	8,587	8,158	136,838	\$12,752.57	\$34,090.39	\$615,350.00	\$3.9700
EQT	3.6%	1.069	655,000	612,722	23,896	22,485	590,238	\$35,468.05	\$72,045.53	\$1,974,800.00	\$3.0150
IBERDROLA	6.0%	1.069	310,000	289,991	18,693	17,616	272,374	\$26,042.85	\$76,454.37	\$1,267,900.00	\$4.0900
MACQUARIE	5.5%	1.069	155,000	144,995	8,587	8,158	136,838	\$12,752.57	\$33,274.63	\$600,625.00	\$3.8750
OCCIDENTAL	5.3%	1.069	665,000	622,077	35,002	32,873	589,204	\$52,004.64	\$131,165.39	\$2,492,000.00	\$3.7474
SEQUENT	3.9%	1.069	500,000	467,727	19,277	18,163	449,564	\$28,914.93	\$61,585.20	\$1,597,375.00	\$3.1948
TENASKA	4.3%	1.069	154,999	144,994	6,695	6,388	138,607	\$10,232.98	\$28,152.48	\$651,770.80	\$4.2050
Totals & Averages	4.6%	1.069	2,749,999	2,572,497	126,379	119,243	2,453,254	\$186,562.51	\$450,816.55	\$9,585,770.80	\$3.4857

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	0.5%	1.046	155,000	148,184	837	820	147,363	\$1,288.67	\$3,465.18	\$641,700.00	\$4.1400
BG	0.4%	1.046	155,000	148,184	682	672	147,512	\$1,029.51	\$2,874.63	\$653,325.00	\$4.2150
BNP	0.2%	1.046	620,000	592,734	1,488	1,473	591,262	\$4,298.77	\$8,853.60	\$3,689,000.00	\$5.9500
BP	0.5%	1.046	155,000	148,184	837	820	147,363	\$1,288.67	\$3,297.78	\$610,700.00	\$3.9400
COYANOSA	2.1%	1.046	155,000	148,184	3,193	3,173	145,011	\$5,480.49	\$12,660.25	\$614,575.00	\$3.9650
IBERDROLA	1.5%	1.046	465,000	444,551	7,068	7,037	437,513	\$12,849.50	\$23,830.56	\$1,567,800.00	\$3.3716
MACQUARIE	1.5%	1.046	375,000	358,509	5,700	5,689	352,819	\$10,362.44	\$20,503.66	\$1,348,925.00	\$3.5971
OCCIDENTAL	1.6%	1.046	1,085,000	1,037,285	17,815	17,440	1,019,845	\$31,675.60	\$69,007.26	\$4,202,800.00	\$3.8735
TENASKA	1.5%	1.046	465,000	444,551	7,068	7,037	437,513	\$12,849.50	\$23,830.56	\$1,567,800.05	\$3.3716
ES1	1.046	1.046	0	0	1,421	1,419	0	\$2,562.44	\$0.00	\$0.00	\$0.00
ES1 INV.	1.046	1.046	0	0	291	278	0	\$530.42	\$0.00	\$0.00	\$0.00
ES2	1.046	1.046	0	0	1,963	1,947	0	\$3,571.20	\$0.00	\$0.00	\$0.00
ES2 INV.	1.046	1.046	0	0	676	665	0	\$1,234.45	\$0.00	\$0.00	\$0.00
WSS SAG.	1.046	1.046	0	0	4,833	4,820	0	\$8,495.73	\$0.00	\$0.00	\$0.00
WSS INV.	1.046	1.046	0	0	2,344	2,331	0	\$4,267.60	\$0.00	\$0.00	\$0.00
Totals & Averages	1.5%	1.046	3,630,000	3,470,363	56,216	55,621	3,426,203	\$101,784.99	\$168,323.48	\$14,896,625.05	\$4.1038
Grand Total	2.9%	1.056	6,379,999	6,042,860	182,595	174,863	5,879,457	\$288,347.50	\$619,140.03	\$24,482,395.85	\$3.8374



Jan 15

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
BNP	3.6%	1.072	155,000	144,590	5,642	5,463	139,126	\$8,393.92	\$14,048.58	\$385,950.00	\$2.4900
BP	6.1%	1.072	85,000	79,291	5,168	5,021	74,270	\$7,552.10	\$14,660.40	\$241,125.00	\$2.8368
COYANOSA	5.5%	1.072	155,000	144,590	8,587	8,210	136,379	\$12,752.57	\$34,090.39	\$615,350.00	\$3.9700
EQT	3.6%	1.072	743,767	693,813	27,132	25,510	668,303	\$40,274.89	\$59,413.16	\$1,628,687.38	\$2.1898
IBERDROLA	6.0%	1.072	307,865	287,188	18,564	17,517	269,670	\$25,863.51	\$73,699.08	\$1,222,224.06	\$3.9700
MACQUARIE	5.5%	1.072	154,876	144,474	8,580	8,204	136,270	\$12,742.38	\$33,247.50	\$600,144.50	\$3.8750
OCCIDENTAL	5.2%	1.072	618,134	576,618	32,157	30,227	546,390	\$47,840.26	\$111,791.69	\$2,148,902.00	\$3.4764
SEQUENT	3.8%	1.072	620,000	578,358	23,653	22,283	556,075	\$35,413.00	\$54,796.75	\$1,436,350.00	\$2.3167
TENASKA	4.3%	1.072	153,446	143,140	6,629	6,384	136,756	\$10,130.38	\$23,950.58	\$554,400.40	\$3.6130
Totals & Averages	4.5%	1.072	2,993,088	2,792,060	136,112	128,819	2,663,241	\$200,963.01	\$419,698.12	\$8,833,133.34	\$2.9512

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	0.5%	1.050	155,000	147,619	837	797	146,822	\$1,288.67	\$3,465.18	\$641,700.00	\$4.1400
BG	0.4%	1.050	155,000	147,619	682	650	146,970	\$1,029.51	\$2,434.74	\$553,350.00	\$3.5700
BNP	0.2%	1.050	620,000	590,476	1,488	1,467	589,009	\$4,298.77	\$9,433.92	\$3,930,800.00	\$6.3400
BP	1.2%	1.050	360,000	342,857	4,322	4,316	338,541	\$7,515.51	\$14,555.54	\$1,212,400.00	\$3.3678
COYANOSA	2.1%	1.050	155,000	147,619	3,193	3,161	144,458	\$5,480.49	\$12,660.25	\$614,575.00	\$3.9650
IBERDROLA	1.5%	1.050	465,000	442,857	7,068	6,981	435,876	\$12,849.50	\$21,193.74	\$1,394,325.00	\$2.9985
MACQUARIE	1.5%	1.050	485,000	461,905	7,372	7,271	454,634	\$13,402.18	\$25,575.75	\$1,682,615.00	\$3.4693
OCCIDENTAL	1.6%	1.050	1,075,000	1,023,810	17,438	16,958	1,006,852	\$31,378.25	\$53,383.40	\$3,290,925.00	\$3.0613
TENASKA	1.5%	1.050	465,000	442,857	7,068	6,981	435,876	\$12,849.50	\$21,193.74	\$1,394,324.82	\$2.9985
ESI		1.050	0	0	1,519	1,507		\$2,739.16			
ESI INV.		1.050	0	0	817	778		\$1,485.48			
ES2		1.050	0	0	2,046	2,009		\$3,723.10			
ES2 INV		1.050	0	0	1,001	953		\$1,818.33			
WSS SAG		1.050	0	0	5,208	5,113		\$9,182.20			
WSS INV.		1.050	0	0	5,286	5,034		\$9,612.53			
Totals & Averages	1.7%	1.050	3,935,000	3,747,619	65,345	63,976	3,699,037	\$118,653.18	\$163,896.24	\$14,715,014.82	\$3.7395
Grand Total	2.9%	1.059	6,928,088	6,539,679	201,457	192,795	6,362,277	\$319,616.19	\$583,594.36	\$23,548,148.16	\$3.3989

Feb 15

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
BNP Paribas	3.6%	1.073	140,000	130,475	5,097	4,750	125,725	\$9,982.83	\$12,691.53	\$348,600.00	\$2.4900
BP	6.1%	1.073	374,991	349,479	22,829	21,056	328,423	\$41,379.04	\$65,551.64	\$1,076,756.51	\$2.8714
COYANOSA	5.5%	1.073	137,117	127,788	7,596	6,899	120,889	\$14,247.31	\$30,156.12	\$544,354.49	\$3.9700
EQT	3.6%	1.073	700,000	652,377	25,536	23,569	628,808	\$49,910.34	\$67,596.53	\$1,852,975.00	\$2.6471
IBERDROLA	6.0%	1.073	280,000	260,951	16,884	15,505	245,445	\$29,547.92	\$60,444.72	\$1,002,399.98	\$3.5800
MACQUARIE	5.5%	1.073	139,957	130,435	7,754	7,032	123,403	\$14,542.33	\$30,046.75	\$542,333.38	\$3.8750
OCCIDENTAL	4.3%	1.073	280,000	260,951	12,096	11,043	249,908	\$24,593.59	\$47,779.20	\$1,106,000.00	\$3.9500
SEQUENT	3.8%	1.073	560,000	521,901	21,364	19,681	502,221	\$42,243.42	\$62,439.15	\$1,636,675.00	\$2.9226
TENASKA	4.3%	1.073	140,000	130,475	6,048	5,435	125,041	\$12,296.79	\$16,843.68	\$389,900.00	\$2.7850
Totals & Averages	4.5%	1.073	2,752,065	2,564,832	125,204	114,970	2,449,862	\$238,743.57	\$393,549.32	\$8,499,994.36	\$3.0886

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	0.5%	1.048	140,000	133,588	756	621	132,966	\$1,163.96	\$3,129.84	\$579,600.00	\$4.1400
BG	0.4%	1.048	140,000	133,588	616	488	133,100	\$929.88	\$2,442.44	\$555,100.00	\$3.9650
BNP	0.2%	1.048	560,000	534,351	1,344	1,132	533,219	\$3,882.76	\$8,252.16	\$3,438,400.00	\$6.1400
BP	1.4%	1.048	530,000	505,725	7,188	6,697	499,028	\$12,708.70	\$23,152.14	\$1,707,100.00	\$3.2209
COYANOSA	2.1%	1.048	140,000	133,588	2,884	2,602	130,986	\$4,950.12	\$11,435.06	\$555,100.00	\$3.9650
DIRECT	1.5%	1.048	110,000	104,962	1,672	1,445	103,516	\$3,039.74	\$5,016.00	\$330,000.00	\$3.0000
IBERDROLA	1.5%	1.048	420,000	400,763	6,384	5,922	394,842	\$11,606.00	\$18,168.18	\$1,195,275.00	\$2.8459
MACQUARIE	1.5%	1.048	420,000	400,763	6,384	5,922	394,842	\$11,606.00	\$21,827.20	\$1,436,000.00	\$3.4190
OCCIDENTAL	1.6%	1.048	870,000	830,153	14,034	13,201	816,951	\$25,274.75	\$39,589.99	\$2,454,275.00	\$2.8210
TENASKA	1.5%	1.048	420,000	400,763	6,384	5,922	394,842	\$11,606.00	\$18,168.18	\$1,195,275.06	\$2.8459
ESI	1.048	1.048		0	1,372	1,309	0	\$2,474.08			
ESI INV.	1.048	1.048		0	1,256	1,198	0	\$2,286.91			
E2	1.048	1.048		0	1,848	1,763	0	\$3,362.80			
ES2 INV.	1.048	1.048		0	1,256	1,198	0	\$2,286.91			
WSS SAG	1.048	1.048		0	4,704	4,489	0	\$8,294.16			
WSS SAG INV.	1.048	1.048		0	5,006	4,777	0	\$9,084.94			
Totals & Averages	1.7%	1.048	3,750,000	3,578,244	63,088	58,686	3,534,293	\$114,557.71	\$151,181.20	\$13,446,125.06	\$3.5856
Grand Total	2.9%	1.058	6,502,065	6,143,077	188,292	173,656	5,984,155	\$353,301.28	\$544,730.51	\$21,946,119.42	\$3.3753



March 15

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
BNP Paribas	3.6%	1.068	155,000	145,131	5,642	5,358	139,773	\$11,052.49	\$14,048.58	\$385,950.00	\$2.4900
BP	6.1%	1.068	465,000	435,393	28,303	26,576	408,817	\$51,311.90	\$78,540.83	\$1,290,375.00	\$2.7750
COYANOSA	5.5%	1.068	155,000	145,131	8,587	8,112	137,019	\$16,105.43	\$34,090.39	\$615,350.00	\$3.9700
EQT	3.6%	1.068	775,000	725,655	28,272	26,547	699,109	\$55,257.87	\$64,113.60	\$1,757,500.00	\$2.2677
IBERDROLA	6.0%	1.068	310,000	290,262	18,693	17,578	272,684	\$32,713.78	\$66,920.94	\$1,109,799.98	\$3.5800
MACQUARIE	5.5%	1.068	153,631	143,849	8,511	8,039	135,810	\$15,963.20	\$32,980.12	\$595,320.12	\$3.8750
OCCIDENTAL	4.3%	1.068	309,906	290,174	13,388	12,606	277,569	\$27,220.36	\$52,882.60	\$1,224,128.70	\$3.9500
SEQUENT	3.8%	1.068	619,727	580,269	23,641	22,206	558,063	\$46,745.53	\$57,871.54	\$1,517,049.03	\$2.4479
TENASKA	4.3%	1.068	155,000	145,131	6,696	6,340	138,791	\$13,614.31	\$18,782.28	\$434,775.00	\$2.8050
Totals & Averages	4.6%	1.068	3,098,264	2,900,996	141,733	133,361	2,767,635	\$269,984.87	\$420,230.88	\$8,930,247.83	\$2.8823

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	0.5%	1.046	155,000	148,184	837	740	147,443	\$1,288.68	\$3,465.18	\$641,700.00	\$4.1400
BG	0.7%	1.046	195,000	186,424	1,290	1,150	185,274	\$2,134.87	\$4,864.46	\$735,325.00	\$3.7709
BNP	0.2%	1.046	620,000	592,734	1,488	1,343	591,392	\$4,298.77	\$6,904.32	\$2,876,800.00	\$4.6400
BP	1.3%	1.046	835,000	798,279	11,173	10,587	787,693	\$20,079.17	\$34,153.92	\$2,552,450.00	\$3.0568
COYANOSA	2.1%	1.046	155,000	148,184	3,193	2,968	145,216	\$5,480.49	\$12,660.25	\$614,575.00	\$3.9650
IBERDROLA	1.5%	1.046	465,000	444,551	7,068	6,667	437,883	\$12,849.50	\$19,742.52	\$1,298,850.00	\$2.7932
MACQUARIE	1.5%	1.046	155,000	148,184	2,356	2,169	146,014	\$4,282.96	\$9,530.02	\$626,975.00	\$4.0450
OCCIDENTAL	1.6%	1.046	1,045,000	999,044	16,928	16,084	982,960	\$30,467.00	\$47,502.88	\$2,932,450.00	\$2.8062
TENASKA	1.5%	1.046	465,000	444,551	7,068	6,672	437,878	\$12,849.50	\$19,742.52	\$1,298,850.00	\$2.7932
ESI	1.046			0	1,406	1,344	0	\$2,537.43			
ESI INV.	1.046			0	97	93	0	\$178.87			
ES2	1.046			0	1,878	1,795	0	\$3,619.24			
ES2 INV.	1.046			0	425	406	0	\$781.62			
WSS SAG	1.046			0	4,636	4,432	0	\$8,138.67			
WSS SAG INV.	1.046			0	1,436	1,373	0	\$2,607.86			
Totals & Averages	1.5%	1.046	4,090,000	3,910,134	61,279	57,823	3,861,754	\$111,594.63	\$158,566.07	\$13,577,975.00	\$3.3198
Grand Total	2.8%	1.055	7,188,264	6,811,130	203,012	191,184	6,629,390	\$381,579.50	\$578,796.95	\$22,508,222.83	\$3.1312

April 15

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
EQT	3.0%	1.058	395,000	373,346	12,008	11,396	361,950	\$28,341.41	\$18,775.04	\$617,600.00	\$1.5635
NEXTERA	3.0%	1.058	150,000	141,777	4,560	4,356	137,421	\$10,762.56	\$6,224.40	\$204,750.00	\$1.3650
NDR	3.0%	1.058	150,000	141,777	4,560	4,356	137,421	\$10,762.56	\$6,338.40	\$208,500.00	\$1.3900
MACQUARIE	3.5%	1.058	148,197	140,073	5,217	4,978	135,095	\$13,125.56	\$12,755.56	\$362,341.66	\$2.4450
SEQUENT	3.0%	1.058	600,000	567,108	18,240	17,286	549,822	\$43,050.24	\$27,248.28	\$896,325.00	\$1.4939
SHELL	3.7%	1.058	300,000	283,554	11,204	10,637	272,917	\$21,370.90	\$18,374.56	\$492,000.00	\$1.6400
Totals & Averages	3.2%	1.058	1,743,197	1,647,634	55,789	53,009	1,594,626	\$127,413.23	\$89,716.24	\$2,781,516.66	\$1.5956

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	0.9%	1.032	150,000	145,349	1,410	1,281	144,068	\$1,467.90	\$3,514.43	\$373,875.00	\$2.4925
BG	0.9%	1.032	150,000	145,349	1,410	1,281	144,068	\$1,467.90	\$3,814.05	\$405,750.00	\$2.7050
BNP	0.3%	1.032	300,000	290,698	960	880	289,817	\$2,200.80	\$2,289.60	\$715,500.00	\$2.3850
BP	1.5%	1.032	310,000	300,388	4,786	4,547	295,841	\$6,290.38	\$12,374.51	\$801,525.00	\$2.5856
DIRECT	0.3%	1.032	149,343	144,712	478	413	144,299	\$1,095.58	\$1,156.76	\$361,410.06	\$2.4200
DTE	2.1%	1.032	180,000	174,419	3,798	3,590	170,828	\$5,425.29	\$9,589.95	\$454,500.00	\$2.5250
IBERDROLA	2.1%	1.032	420,000	406,977	8,848	8,484	398,493	\$12,659.64	\$22,676.16	\$1,076,400.00	\$2.5629
OCCIDENTAL	2.1%	1.032	450,000	436,047	9,480	9,096	426,950	\$13,563.90	\$24,275.12	\$1,152,300.00	\$2.5607
TENASKA	2.1%	1.032	420,000	406,977	8,848	8,484	398,493	\$12,659.64	\$22,676.16	\$1,076,399.94	\$2.5629
ESI		1.032	0	0	1,741	1,687	0	\$2,498.60	\$0.00	\$0.00	\$0.0000
ESI INV.		1.032	0	0	29	28	0	\$41.01	\$0.00	\$0.00	\$0.0000
ES2		1.032	0	0	2,540	2,461	0	\$3,617.99	\$0.00	\$0.00	\$0.0000
WSS SAG		1.032	0	0	5,599	5,425	0	\$7,572.37	\$0.00	\$0.00	\$0.0000
WSS SAG INV.		1.032	0	0	339	328	0	\$483.71	\$0.00	\$0.00	\$0.0000
Totals & Averages	2.0%	1.032	2,529,343	2,450,914	50,266	47,986	2,412,858	\$71,044.71	\$102,366.74	\$6,417,660.00	\$2.5373
Grand Total	2.5%	1.042	4,272,540	4,098,548	106,055	100,995	4,007,483	\$198,457.94	\$192,082.98	\$9,199,176.66	\$2.1531



May 15

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
EQT	3.0%	1.058	146,010	138,006	4,433	4,150	133,856	\$10,476.70	\$6,536.53	\$215,294.10	\$1.4745
NEXTERA	3.0%	1.058	155,000	146,503	4,712	4,414	142,089	\$11,121.31	\$6,337.64	\$208,475.00	\$1.3450
NDR	3.0%	1.058	155,000	146,503	4,712	4,414	142,089	\$11,121.31	\$6,455.44	\$212,350.00	\$1.3700
MACQUARIE	3.5%	1.058	155,000	146,503	5,456	5,117	141,386	\$13,728.14	\$14,512.96	\$412,300.00	\$2.6600
SEQUENT	3.0%	1.058	620,000	586,011	18,848	17,749	568,263	\$44,485.25	\$27,087.16	\$891,025.00	\$1.4371
SHELL	3.0%	1.058	310,000	293,006	9,424	8,866	284,139	\$22,242.63	\$14,767.41	\$485,770.00	\$1.5670
Totals & Averages	3.1%	1.058	1,541,010	1,456,531	47,585	44,709	1,411,822	\$113,175.34	\$75,697.14	\$2,425,214.10	\$1.5738

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	0.9%	1.052	155,000	147,338	1,457	1,275	146,063	\$1,516.83	\$3,762.70	\$400,287.50	\$2.5825
BG	0.9%	1.052	155,000	147,338	1,457	1,275	146,063	\$1,516.84	\$3,970.33	\$422,375.00	\$2.7250
BNP	0.3%	1.052	300,000	285,171	960	823	284,349	\$2,200.80	\$2,251.20	\$703,500.00	\$2.3450
BP	0.9%	1.052	155,000	147,338	1,457	1,275	146,063	\$1,516.83	\$3,777.27	\$401,837.50	\$2.5925
DIRECT	0.3%	1.052	155,000	147,338	496	410	146,928	\$1,137.08	\$1,180.48	\$368,900.00	\$2.3800
IBERDROLA	2.1%	1.052	7,355	6,991	155	117	6,874	\$221.69	\$393.70	\$18,681.70	\$2.5400
OCCIDENTAL	2.1%	1.052	465,000	442,015	9,796	9,192	432,823	\$14,016.03	\$27,882.26	\$1,323,525.00	\$2.8463
TENASKA	2.1%	1.052	65,785	62,533	1,386	1,207	61,326	\$1,982.84	\$3,908.78	\$185,526.07	\$2.8202
ES1	1.052	1.052	0	0	2,072	1,970	0	\$2,980.95	\$0.00	\$0.00	\$0.0000
ES2	1.052	1.052	0	0	2,852	2,711	0	\$4,060.38	\$0.00	\$0.00	\$0.0000
WSS SAG	1.052	1.052	0	0	6,021	5,723	0	\$8,169.78	\$0.00	\$0.00	\$0.0000
Totals & Averages	1.9%	1.052	1,458,140	1,386,065	28,109	25,979	1,370,490	\$39,320.05	\$47,126.72	\$3,824,632.77	\$2.6230

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%	1.055	2,999,150	2,842,596	75,694	70,688	2,782,312	\$152,495.39	\$122,823.86	\$6,249,846.87	\$2.0839

June 15

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
EQT	3.0%	1.061	141,300	133,176	4,290	4,043	129,133	\$10,138.74	\$5,619.90	\$185,103.00	\$1.3100
MACQUARIE	3.5%	1.061	150,000	141,376	5,280	4,976	136,400	\$13,285.30	\$14,044.80	\$399,000.00	\$2.6600
NDR	3.0%	1.061	150,000	141,376	4,560	4,298	137,078	\$10,762.56	\$6,338.40	\$208,500.00	\$1.3900
NEXTERA	3.0%	1.061	150,000	141,376	4,560	4,298	137,078	\$10,762.56	\$6,224.40	\$204,750.00	\$1.3650
SEQUENT	3.0%	1.061	600,000	565,504	18,240	17,176	548,328	\$43,050.24	\$24,054.00	\$791,250.00	\$1.3188
SHELL	3.0%	1.061	300,000	282,752	9,120	8,588	274,164	\$21,525.12	\$17,008.80	\$559,500.00	\$1.8650
Totals & Averages	3.1%	1.061	1,491,300	1,405,561	46,050	43,379	1,362,181	\$109,524.52	\$73,290.30	\$2,348,103.00	\$1.5745

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	0.9%	1.051	150,000	142,721	1,410	1,342	141,380	\$1,467.90	\$3,641.33	\$387,375.00	\$2.5825
BG	0.9%	1.051	150,000	142,721	1,410	1,342	141,380	\$1,467.90	\$3,905.70	\$415,500.00	\$2.7700
BNP	0.3%	1.051	300,000	285,442	960	913	284,529	\$2,200.80	\$2,385.60	\$745,500.00	\$2.4850
BP	0.9%	1.051	150,000	142,721	1,410	1,342	141,380	\$1,467.90	\$3,725.93	\$396,375.00	\$2.6425
DIRECT	0.3%	1.051	150,000	142,721	480	457	142,265	\$1,100.40	\$1,209.60	\$378,000.00	\$2.5200
OCCIDENTAL	2.1%	1.051	428,072	407,300	9,024	8,421	398,879	\$12,902.70	\$24,874.83	\$1,179,988.68	\$2.7565
TENASKA	2.1%	1.051	34,048	32,396	717	682	31,714	\$1,026.22	\$1,900.99	\$90,271.70	\$2.6513
ES1		1.051		0	103	98	0	\$146.72	\$0.00		
ES2		1.051		0	265	252	0	\$377.21	\$0.00		
WSS SAG		1.051		0	3,799	3,615	0	\$5,003.91	\$0.00		
Totals & Averages	1.4%	1.051	1,362,120	1,296,023	19,578	18,463	1,281,525	\$27,161.66	\$41,643.97	\$3,593,010.38	\$2.6378

Supplier	Fuel %	BTU	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
Grand Total	2.3%	1.056	2,853,420	2,701,584	65,628	61,842	2,643,706	\$136,686.18	\$114,934.27	\$5,941,113.38	\$2.0821



July 15 III.E.36

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
EQT	3.0%	1.059	256,010	241,747	7,777	7,322	234,425	\$18,369.25	\$9,747.46	\$320,875.30	\$1.2534
MACQUARIE	3.5%	1.059	155,000	146,364	5,456	5,130	141,234	\$13,728.14	\$14,512.96	\$412,300.00	\$2.6600
NDR	3.0%	1.059	155,000	146,364	4,712	4,427	141,937	\$11,121.31	\$5,937.12	\$195,300.00	\$1.2600
NEXTERA	3.0%	1.059	155,000	146,364	4,712	4,427	141,937	\$11,121.31	\$5,819.32	\$191,425.00	\$1.2350
SEQUENT	3.0%	1.059	620,000	585,458	18,848	17,774	567,684	\$44,485.25	\$21,881.16	\$719,775.00	\$1.1609
SHELL	3.0%	1.059	310,000	292,729	9,424	8,877	283,852	\$22,242.63	\$17,179.95	\$565,130.00	\$1.8230
Totals & Averages	3.1%	1.059	1,651,010	1,559,027	50,929	47,958	1,511,070	\$121,067.89	\$75,077.97	\$2,404,805.30	\$1.4566

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	0.9%	1.030	155,000	150,485	1,457	1,450	149,036	\$1,516.83	\$3,762.70	\$400,287.50	\$2.5825
BG	0.9%	1.030	155,000	150,485	1,457	1,450	149,036	\$1,516.83	\$4,116.03	\$437,875.00	\$2.8250
BNP	0.3%	1.030	310,000	300,971	992	983	299,988	\$2,274.16	\$2,088.16	\$652,550.00	\$2.1050
BP	0.9%	1.030	155,000	150,485	1,457	1,450	149,036	\$1,516.83	\$3,952.11	\$420,437.50	\$2.7125
DIRECT	0.3%	1.030	155,000	150,485	496	492	149,994	\$1,137.08	\$1,061.44	\$331,700.00	\$2.1400
OCCIDENTAL	2.1%	1.030	380,029	368,960	8,029	7,973	360,987	\$11,453.88	\$22,692.29	\$1,074,072.36	\$2.8263
WAS SAG		1.030		0	337	327	0	\$484.42	\$0.00	\$0.00	\$0.0000
WASSAGESI		1.030		0	1,085	1,053	0	\$1,375.16	\$0.00	\$0.00	\$0.0000
WASSAGES2		1.030		0	1,488	1,445	0	\$1,868.37	\$0.00	\$0.00	\$0.0000
Totals & Averages	1.3%	1.030	1,310,029	1,271,873	16,798	16,622	1,258,076	\$23,143.56	\$37,672.73	\$3,316,922.36	\$2.5319
Grand Total	2.3%	1.046	2,961,039	2,830,900	67,727	64,579	2,769,146	\$144,211.45	\$112,750.70	\$5,721,727.66	\$1.9323

Aug 15

**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
EQT	3.0%	1.058	146,010	138,006	4,433	4,132	133,874	\$10,618.28	\$5,625.62	\$185,291.40	\$1.2690
MACQUARIE	3.5%	1.058	155,000	146,503	5,456	5,099	141,404	\$13,937.50	\$14,512.96	\$412,300.00	\$2.6600
NDR	3.0%	1.058	155,000	146,503	4,712	4,396	142,107	\$11,271.60	\$5,795.76	\$190,650.00	\$1.2300
NEXTERA	3.0%	1.058	155,000	146,503	4,712	4,396	142,107	\$11,271.60	\$5,677.96	\$186,775.00	\$1.2050
SEQUENT	3.0%	1.058	620,000	586,011	18,848	17,753	568,259	\$45,086.40	\$23,522.76	\$773,775.00	\$1.2480
SHELL	3.0%	1.058	310,000	293,006	9,424	8,849	284,156	\$22,543.20	\$18,244.86	\$600,160.00	\$1.9360
<b>Totals &amp; Averages</b>	<b>3.1%</b>	<b>1.058</b>	<b>1,541,010</b>	<b>1,456,531</b>	<b>47,585</b>	<b>44,624</b>	<b>1,411,907</b>	<b>\$114,728.58</b>	<b>\$73,379.92</b>	<b>\$2,348,951.40</b>	<b>\$1.5243</b>

**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	0.9%	1.031	155,000	150,339	1,457	1,333	149,006	\$1,516.83	\$3,762.70	\$400,287.50	\$2.5825
BG	0.9%	1.031	155,000	150,339	1,457	1,333	149,006	\$1,516.83	\$4,101.46	\$436,325.00	\$2.8150
BNP	0.5%	1.031	310,000	300,679	1,407	1,285	299,394	\$2,271.11	\$2,961.74	\$652,550.00	\$2.1050
BP	0.9%	1.031	155,000	150,339	1,457	1,332	149,007	\$1,516.83	\$3,952.11	\$420,437.50	\$2.7125
DIRECT	0.5%	1.031	155,000	150,339	704	633	149,707	\$1,135.55	\$1,506.56	\$331,700.00	\$2.1400
OCCIDENTAL	2.2%	1.031	355,513	344,823	7,930	7,586	337,238	\$10,702.08	\$22,030.81	\$987,672.19	\$2.7782
ES2SAGG1	1.031		0	0	62	60	0	\$88.89			
WSS SAG1	1.031		0	0	473	459	0	\$672.76			
WSS SAGES1	1.031		0	0	1,085	1,052	0	\$1,375.16			
WSS SAGES2	1.031		0	0	1,488	1,443	0	\$1,868.37			
<b>Totals &amp; Averages</b>	<b>1.4%</b>	<b>1.031</b>	<b>1,285,513</b>	<b>1,246,860</b>	<b>17,520</b>	<b>16,516</b>	<b>1,233,359</b>	<b>\$22,664.41</b>	<b>\$38,315.38</b>	<b>\$3,228,972.19</b>	<b>\$2.5118</b>
<b>Grand Total</b>	<b>2.3%</b>	<b>1.046</b>	<b>2,826,523</b>	<b>2,703,392</b>	<b>65,105</b>	<b>61,141</b>	<b>2,645,265</b>	<b>\$137,392.99</b>	<b>\$111,695.30</b>	<b>\$5,577,923.59</b>	<b>\$1.9734</b>



sep 15

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
EQT	3.0%	1.056	141,300	133,807	4,290	4,068	129,739	\$10,275.75	\$5,235.95	\$172,456.65	\$1.2205
MACQUARIE	3.5%	1.056	150,000	142,045	5,280	5,003	137,042	\$13,487.91	\$14,044.80	\$399,000.00	\$2.6600
NDR	3.0%	1.056	150,000	142,045	4,560	4,323	137,722	\$10,908.00	\$5,152.80	\$169,500.00	\$1.1300
NEXTERA	3.0%	1.056	150,000	142,045	4,560	4,323	137,722	\$10,908.00	\$5,038.80	\$165,750.00	\$1.1050
SEQUENT	3.0%	1.056	600,000	568,182	18,240	17,298	550,884	\$43,632.00	\$21,644.04	\$711,975.00	\$1.1866
SHELL	3.0%	1.056	300,000	284,091	9,120	8,636	275,455	\$21,816.00	\$15,394.56	\$506,400.00	\$1.6880
<b>Totals &amp; Averages</b>	<b>3.1%</b>	<b>1.056</b>	<b>1,491,300</b>	<b>1,412,216</b>	<b>46,050</b>	<b>43,651</b>	<b>1,368,565</b>	<b>\$111,027.66</b>	<b>\$66,510.95</b>	<b>\$2,125,081.65</b>	<b>\$1.4250</b>

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	2.5%	1.030	150,000	145,631	3,720	3,672	141,959	\$4,695.08	\$9,606.90	\$387,375.00	\$2.5825
BG	2.5%	1.030	150,000	145,631	3,720	3,672	141,959	\$4,695.08	\$9,980.76	\$402,450.00	\$2.6830
BNP	0.3%	1.030	300,000	291,262	960	942	290,320	\$2,200.80	\$2,145.60	\$670,500.00	\$2.2350
BP	0.9%	1.030	150,000	145,631	1,410	1,399	144,232	\$1,467.90	\$3,659.66	\$389,325.00	\$2.5955
DIRECT	0.3%	1.030	150,000	145,631	480	466	145,165	\$1,100.40	\$1,089.60	\$340,500.00	\$2.2700
OCCIDENTAL	2.1%	1.030	100,113	97,197	2,113	2,100	95,097	\$3,017.42	\$5,547.81	\$262,852.97	\$2.6256
ESISAGCGI	1.030	1.030	0	0	319	310	0	\$458.91	\$0.00	\$0.00	\$0.00
ES2SAGCGI	1.030	1.030	0	0	506	491	0	\$720.20	\$0.00	\$0.00	\$0.00
WSS SAG1	1.030	1.030	0	0	1,108	1,076	0	\$1,583.13	\$0.00	\$0.00	\$0.00
WSS SAGES1	1.030	1.030	0	0	280	272	0	\$354.88	\$0.00	\$0.00	\$0.00
WSS SAGES2	1.030	1.030	0	0	384	373	0	\$482.16	\$0.00	\$0.00	\$0.00
<b>Totals &amp; Averages</b>	<b>1.5%</b>	<b>1.030</b>	<b>1,000,113</b>	<b>970,983</b>	<b>15,000</b>	<b>14,772</b>	<b>958,733</b>	<b>\$20,775.96</b>	<b>\$32,030.33</b>	<b>\$2,453,002.97</b>	<b>\$2.4527</b>

<b>Grand Total</b>	<b>2.5%</b>	<b>1.045</b>	<b>2,491,413</b>	<b>2,383,199</b>	<b>61,050</b>	<b>58,423</b>	<b>2,327,298</b>	<b>\$131,803.62</b>	<b>\$98,541.27</b>	<b>\$4,578,084.62</b>	<b>\$1.8375</b>
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Oct 15

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
EQT	3.0%	1.060	239,870	226,292	7,293	6,822	219,470	\$17,443.28	\$9,933.82	\$326,727.65	\$1.3621
MACQUARIE	3.5%	1.060	155,000	146,226	5,456	5,089	141,137	\$13,937.50	\$14,512.96	\$412,300.00	\$2.6600
NDR	3.0%	1.060	155,000	146,226	4,712	4,387	141,839	\$11,271.60	\$5,560.16	\$182,900.00	\$1.1800
NEXTERA	3.0%	1.060	155,000	146,226	4,712	4,387	141,839	\$11,271.60	\$5,442.36	\$179,025.00	\$1.1550
SEQUENT	3.0%	1.060	620,000	584,906	18,848	17,717	567,189	\$45,086.40	\$23,143.52	\$761,300.00	\$1.2279
SHELL	3.0%	1.060	310,000	292,453	9,424	8,833	283,620	\$22,543.20	\$15,200.91	\$500,030.00	\$1.6130
Totals & Averages	3.1%	1.060	1,634,870	1,542,330	50,445	47,236	1,495,095	\$121,553.58	\$73,793.73	\$2,362,282.65	\$1.4449

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	3.1%	1.035	155,000	149,758	4,814	4,791	144,967	\$6,060.09	\$12,432.16	\$400,287.50	\$2.5825
BG	3.1%	1.035	155,000	149,758	4,816	4,793	144,965	\$6,060.01	\$12,921.33	\$415,865.00	\$2.6830
BNP	0.4%	1.035	310,000	299,517	1,202	1,191	298,326	\$2,272.61	\$2,686.47	\$692,850.00	\$2.2350
BP	0.9%	1.035	155,000	149,758	1,457	1,428	148,331	\$1,516.83	\$3,842.84	\$408,812.50	\$2.6375
DIRECT	0.4%	1.035	155,000	149,758	601	581	149,178	\$1,136.31	\$1,298.16	\$334,800.00	\$2.1600
IBERDROLA	2.2%	1.035	316,617	305,910	6,905	6,841	299,069	\$9,536.19	\$15,975.61	\$732,534.13	\$2.3136
OCCIDENTAL	2.2%	1.035	455,000	439,614	9,894	9,729	429,884	\$13,705.10	\$22,866.56	\$1,051,575.00	\$2.3112
TENASKA	2.2%	1.035	395,000	381,643	8,630	8,518	373,124	\$11,896.58	\$19,933.12	\$912,350.07	\$2.3097
WSSSAGCGI	1.035	1.035	0	0	1,808	1,765	0	\$2,578.28	\$0.00	\$0.00	
MAKEUP GAS	1.035	1.035	0	0	-	-	0	\$36.77	\$0.00	\$0.00	
Totals & Averages	1.9%	1.035	2,096,617	2,025,717	40,127	39,638	1,987,844	\$54,798.77	\$91,956.23	\$4,949,074.20	\$2.3605

Grand Total	2.4%	1.046	3,731,487	3,568,047	90,572	86,874	3,482,938	\$176,352.35	\$165,749.96	\$7,311,356.85	\$1.9594
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Nov 15

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
BG	4.6%	1.056	150,000	142,045	6,960	6,591	135,455	\$16,263.65	\$18,722.40	\$403,500.00	\$2.6900
BP	3.0%	1.056	300,000	284,091	9,120	8,586	275,505	\$21,816.00	\$12,065.76	\$396,900.00	\$1.3230
COYANOSA	3.0%	1.056	150,000	142,045	4,560	4,268	137,777	\$10,908.00	\$6,055.68	\$199,200.00	\$1.3280
EQT	3.0%	1.056	450,000	426,136	13,680	12,903	413,234	\$32,724.00	\$16,621.20	\$546,750.00	\$1.2150
MACQUARIE	4.6%	1.056	150,000	142,045	6,960	6,541	135,505	\$15,934.66	\$14,233.20	\$306,750.00	\$2.0450
NEXTERA	3.0%	1.056	150,000	142,045	4,560	4,268	137,777	\$10,908.00	\$5,540.40	\$182,250.00	\$1.2150
REPSOL	4.6%	1.056	150,000	142,045	6,960	6,541	135,505	\$15,934.66	\$16,773.60	\$361,500.00	\$2.4100
SEQUENT	4.5%	1.056	165,471	156,696	7,431	6,987	149,709	\$17,388.65	\$19,383.37	\$431,622.33	\$2.6084
Totals & Averages	3.6%	1.056	1,665,471	1,577,151	60,231	56,685	1,520,466	\$141,877.62	\$109,395.61	\$2,828,472.33	\$1.6983

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	3.1%	1.037	300,000	289,296	9,150	8,664	280,633	\$11,735.70	\$25,848.75	\$847,500.00	\$2.8250
BG	2.4%	1.037	300,000	289,296	7,260	6,841	282,455	\$9,988.20	\$18,041.10	\$745,500.00	\$2.4850
DIRECT	2.1%	1.037	165,000	159,113	3,476	3,199	155,914	\$4,973.43	\$7,263.26	\$344,775.00	\$2.0895
IBERDROLA	2.1%	1.037	225,000	216,972	4,730	4,411	212,561	\$6,782.25	\$9,825.00	\$467,362.50	\$2.0772
MACQUARIE	2.3%	1.037	300,000	289,296	6,780	6,378	282,918	\$9,515.70	\$16,492.35	\$729,750.00	\$2.4325
NDR	2.1%	1.037	150,000	144,648	3,151	2,889	141,759	\$4,521.56	\$8,460.44	\$402,750.00	\$2.6850
OXY	1.7%	1.037	441,404	425,655	7,544	7,115	418,540	\$10,251.50	\$17,680.66	\$1,034,505.84	\$2.3437
UET	2.1%	1.037	150,000	144,648	3,151	2,889	141,759	\$4,521.56	\$8,452.56	\$402,375.00	\$2.6825
WSSAGCG1	1.037	1.037	0	0	3,164	2,901	0	\$4,521.89	\$0.00	\$0.00	\$0.0000
WSSINVCG1	1.037	1.037	0	0	347	335	0	\$495.76	\$0.00	\$0.00	\$0.0000
Totals & Averages	2.4%	1.037	2,031,404	1,958,924	48,753	45,621	1,916,539	\$67,307.55	\$112,064.11	\$4,974,518.34	\$2.4488

Supplier	Fuel %	BTU Factor	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	MCF Received	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
Grand Total	2.9%	1.045	3,696,875	3,536,074	108,984	102,305	3,437,005	\$209,185.17	\$221,459.72	\$7,802,990.67	\$2.1107

Dec 15

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
BG	5.0%	1.056	155,000	146,780	7,750	7,470	139,310	\$11,264.63	\$20,847.50	\$416,950.00	\$2.6900
BP	2.9%	1.056	310,000	293,561	8,959	8,615	284,946	\$15,383.20	\$13,402.66	\$463,760.00	\$1.4960
COYANOSA	2.9%	1.056	155,000	146,780	4,464	4,358	142,422	\$7,692.39	\$6,700.46	\$232,655.00	\$1.5010
EQT	2.9%	1.056	585,000	553,977	16,922	16,160	537,818	\$29,028.77	\$25,064.09	\$866,475.00	\$1.4812
EQT	0.0%	1.056	155,000	146,780			146,780			\$237,925.00	\$1.5350
MACQUARIE	4.9%	1.056	155,000	146,780	7,626	7,353	139,428	\$11,023.57	\$18,721.83	\$380,525.00	\$2.4550
NEXTERA	2.9%	1.056	155,000	146,780	4,464	4,358	142,422	\$7,692.39	\$6,852.24	\$237,925.00	\$1.5350
REPSOL	4.9%	1.056	155,000	146,780	7,626	7,353	139,428	\$11,023.58	\$16,090.86	\$327,050.00	\$2.1100
SEQUENT	4.3%	1.056	235,000	222,538	10,062	9,659	212,878	\$15,234.48	\$22,664.12	\$529,325.00	\$2.2524
Totals & Averages	3.3%	1.056	2,060,000	1,950,758	67,873	65,326	1,885,432	\$108,343.01	\$130,343.76	\$3,692,590.00	\$1.7925

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	3.1%	1.033	310,000	300,097	9,455	9,175	290,922	\$12,126.89	\$26,710.38	\$875,750.00	\$2.8250
BG	2.4%	1.033	310,000	300,097	7,502	7,281	292,815	\$10,321.14	\$16,429.38	\$678,900.00	\$2.1900
DIRECT	2.1%	1.033	135,000	130,687	2,844	2,772	127,915	\$4,069.17	\$5,885.50	\$279,375.00	\$2.0694
IBERDROLA	2.1%	1.033	305,000	295,257	6,415	6,229	289,027	\$9,193.62	\$13,885.32	\$660,175.00	\$2.1645
MACQUARIE	2.3%	1.033	310,000	300,097	7,006	6,801	293,296	\$9,832.89	\$17,917.85	\$792,825.00	\$2.5575
NDR	2.1%	1.033	155,000	150,048	3,255	3,170	146,878	\$4,672.32	\$8,739.68	\$416,175.00	\$2.6850
OCCIDENTAL	1.7%	1.033	430,000	416,263	7,240	7,028	409,236	\$9,806.19	\$17,589.83	\$1,044,700.00	\$2.4295
UET	2.1%	1.033	155,000	150,048	3,255	3,170	146,878	\$4,672.32	\$8,731.54	\$415,787.50	\$2.6825
ES1 INV.	1.033		0	0	408	395	0	\$582.88	\$0.00	\$0.00	\$0.0000
ES2 INV.	1.033		0	0	1,123	1,087	0	\$1,605.32	\$0.00	\$0.00	\$0.0000
WSS SAG	1.033		0	0	2,819	2,729	0	\$4,044.93	\$0.00	\$0.00	\$0.0000
WSS SAG INV.	1.033		0	0	1,758	1,702	0	\$2,509.63	\$0.00	\$0.00	\$0.0000
PPL	1.033		1,393	1,348	0	0	1,348	\$0.00	\$0.00	\$1,883.02	\$1.3518
South Jersey	1.033		9,442	9,140	0	0	9,140	\$0.00	\$0.00	\$8,203.99	\$0.8689
UGI	1.033		2,594	2,511	0	0	2,511	\$0.00	\$0.00	\$3,506.50	\$1.3518
Totals & Averages	2.5%	1.033	2,123,429	2,055,594	53,080	51,539	2,009,968	\$73,437.30	\$115,889.47	\$5,177,281.01	\$2.4382
Grand Total	2.9%	1.044	4,183,429	4,006,352	120,953	116,865	3,895,400	\$181,780.31	\$246,233.23	\$8,869,871.01	\$2.1202



Jan 16

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%	1.054	135,000	128,083	3,024	2,869	125,214	\$7,179.49	\$3,870.72	\$172,800.00	\$1.2800
EQT-Baselod	1.054	155,000	147,059	0	0	0	0	\$0.00	\$0.00	\$198,400.00	\$1.2800
EQT- Swing	2.2%	1.054	125,102	118,693	2,806	2,674	116,018	\$6,652.90	\$3,752.37	\$167,294.65	\$1.3373
MACQUARIE	2.4%	1.054	290,000	275,142	7,023	6,693	268,449	\$17,523.06	\$11,307.33	\$466,912.50	\$1.6100
NEXTERA	2.2%	1.054	135,000	128,083	3,024	2,899	125,184	\$7,179.49	\$3,870.72	\$172,800.00	\$1.2800
STATOIL	2.2%	1.054	155,000	147,059	3,472	3,324	143,735	\$8,243.12	\$4,469.85	\$199,547.00	\$1.2874
SEQUENT	2.2%	1.054	355,000	336,812	7,952	7,575	329,238	\$18,879.41	\$10,520.16	\$469,650.00	\$1.3230
Totals & Averages	2.0%	1.054	1,350,102	1,280,932	27,301	26,034	1,107,839	\$65,657.47	\$37,791.15	\$1,847,404.15	\$1.3683

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	3.2%	1.033	155,000	150,048	4,916	4,774	145,274	\$6,619.47	\$9,463.30	\$298,375.00	\$1.9250
BG	3.0%	1.033	155,000	150,048	4,639	4,506	145,543	\$6,298.06	\$8,953.27	\$299,150.00	\$1.9300
BNP	0.3%	1.033	155,000	150,048	527	510	149,538	\$1,260.77	\$682.47	\$200,725.00	\$1.2950
BP	0.3%	1.033	155,000	150,048	527	510	149,538	\$1,260.77	\$708.82	\$208,475.00	\$1.3450
COYANOSA	0.3%	1.033	155,000	150,048	527	510	149,538	\$1,260.77	\$692.61	\$203,710.00	\$1.3143
DIRECT	2.3%	1.033	366,170	354,472	8,373	8,126	346,347	\$12,512.26	\$15,484.52	\$677,172.70	\$1.8493
ENSTOR	2.3%	1.033	60,000	58,083	1,372	1,343	56,740	\$2,050.24	\$2,618.81	\$114,525.00	\$1.9088
OCCIDENTAL	2.3%	1.033	140,819	136,320	3,220	3,132	133,188	\$4,811.87	\$6,030.06	\$263,710.32	\$1.8727
PACIFIC	0.3%	1.033	155,000	150,048	527	510	149,538	\$1,260.77	\$682.47	\$200,725.00	\$1.2950
WSS SAG	1.033	0	0	0	454	439	0	\$676.94	\$0.00	\$0.00	\$0.0000
WSS SAG INV.	1.033	0	0	0	17	16	0	\$25.21	\$0.00	\$0.00	\$0.0000
CONSTELLATION	0.0%	1.033	210	203	0	-	203	\$0.00	\$0.00	\$324.21	\$1.5439
DIRECT	0.0%	1.033	2,948	2,854	0	-	2,854	\$0.00	\$0.00	\$4,551.33	\$1.5439
PPL	0.0%	1.033	1,084	1,049	0	-	1,049	\$0.00	\$0.00	\$1,673.56	\$1.5439
SPRAGUE	0.0%	1.033	248	240	0	-	240	\$0.00	\$0.00	\$351.24	\$1.4163
SOUTH JERSEY	0.0%	1.033	1,658	1,605	0	-	1,605	\$0.00	\$0.00	\$2,559.74	\$1.5439
UGI	0.0%	1.033	3,500	3,388	0	-	3,388	\$0.00	\$0.00	\$5,116.64	\$1.4619
Totals & Averages	1.7%	1.033	1,506,637	1,458,506	25,099	24,377	1,434,585	\$38,037.13	\$45,316.32	\$2,481,144.74	\$1.6468
Grand Total	1.8%	1.043	2,856,739	2,739,438	52,400	50,411	2,542,424	\$103,694.60	\$83,107.47	\$4,328,548.89	\$1.5152

Feb 16

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%	1.057	150,000	141,911	3,360	3,135	141,911	\$7,977.22	\$3,864.00	\$172,500.00	\$1.1500
EQT-baseload		1.057	150,000	141,911		-	0	\$0.00	\$0.00	\$172,500.00	\$1.1500
EQT-Swing	2.2%	1.057	70,460	66,660	1,580	1,447	141,911	\$3,747.07	\$2,379.78	\$106,125.93	\$1.5062
MAQUARIE	2.4%	1.057	300,000	283,822	7,230	6,792	277,030	\$17,987.12	\$10,763.66	\$446,625.00	\$1.4888
NEXTERA	2.2%	1.057	150,000	141,911	3,360	3,131	138,780	\$7,977.22	\$3,864.00	\$172,500.00	\$1.1500
STATOIL	2.2%	1.057	150,000	141,911	3,360	3,131	138,780	\$7,977.22	\$3,888.86	\$173,610.00	\$1.1574
SEQUENT	2.2%	1.057	310,460	293,718	6,956	6,533	287,185	\$16,510.62	\$8,995.52	\$401,487.93	\$1.2932
<b>Totals &amp; Averages</b>	<b>2.0%</b>	<b>1.057</b>	<b>1,280,920</b>	<b>1,211,845</b>	<b>25,846</b>	<b>24,168</b>	<b>1,125,598</b>	<b>\$62,176.47</b>	<b>\$33,755.82</b>	<b>\$1,645,348.86</b>	<b>\$1.2845</b>

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%	1.031	150,000	145,490	1,530	1,344	144,146	\$1,743.30	\$2,861.10	\$280,500.00	\$1.8700
BG	0.9%	1.031	150,000	145,490	1,290	1,114	144,376	\$1,415.70	\$2,399.40	\$279,000.00	\$1.8600
BP	0.3%	1.031	150,000	145,490	510	425	145,065	\$1,220.10	\$639.03	\$187,950.00	\$1.2530
BNP	0.3%	1.031	150,000	145,490	510	425	145,065	\$1,220.10	\$619.65	\$182,250.00	\$1.2150
COYANOSA	0.3%	1.031	150,000	145,490	510	425	145,065	\$1,220.10	\$665.60	\$195,765.00	\$1.3051
DIRECT	2.3%	1.031	160,468	155,643	3,674	3,414	152,230	\$5,483.06	\$6,742.79	\$294,502.48	\$1.8353
ENSTOR	2.3%	1.031	110,000	106,693	2,519	2,293	104,399	\$3,758.59	\$4,705.38	\$205,475.00	\$1.8680
OCCIDENTAL	2.3%	1.031	50,000	48,497	1,145	991	47,506	\$1,708.45	\$2,146.88	\$93,750.00	\$1.8750
PACIFIC	0.3%	1.031	150,000	145,490	510	425	145,065	\$1,220.10	\$619.65	\$182,250.00	\$1.2150
CONST (GTS)		1.031	2,398	2,326	0	-	2,326	\$0.00	\$0.00	\$3,621.38	
HESS (GTS)		1.031	6,065	5,883	0	-	5,883	\$0.00	\$0.00	\$9,159.16	
PPL (GTS)		1.031	2,588	2,510	0	-	2,510	\$0.00	\$0.00	\$3,908.31	
WSSSAG CGI		1.031		0	6,252	6,064	0	\$9,322.71	\$0.00	\$0.00	
WSSSINV CGI		1.031		0	1,881	1,824	0	\$2,805.85	\$0.00	\$0.00	
<b>Totals &amp; Averages</b>	<b>1.7%</b>	<b>1.031</b>	<b>1,231,519</b>	<b>1,194,490</b>	<b>20,331</b>	<b>18,743</b>	<b>1,183,636</b>	<b>\$31,118.06</b>	<b>\$21,399.47</b>	<b>\$1,918,131.33</b>	<b>\$1.5575</b>
<b>Grand Total</b>	<b>1.8%</b>	<b>1.044</b>	<b>2,512,439</b>	<b>2,406,335</b>	<b>46,177</b>	<b>42,911</b>	<b>2,309,233</b>	<b>\$93,294.53</b>	<b>\$55,155.30</b>	<b>\$3,563,480.19</b>	<b>\$1.4183</b>



March 16

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
BG	5.0%	1.057	155,000	146,641	7,750	7,386	139,255	\$11,883.08	\$20,847.50	\$416,950.00	\$2,690
BP	2.9%	1.057	310,000	293,283	8,959	8,530	284,753	\$16,376.64	\$8,967.96	\$310,310.00	\$1,0010
COYANOSA	2.9%	1.057	155,000	146,641	4,464	4,277	142,364	\$8,189.16	\$4,490.78	\$155,930.00	\$1,0060
EQT	2.9%	1.057	605,000	572,375	17,500	16,610	555,764	\$31,960.01	\$16,917.87	\$584,875.00	\$0,9667
EQT	0.0%	1.057	155,000	146,641	0	-	146,641	\$0.00	\$0.00	\$148,025.00	\$0,9550
MACQUARIE	4.9%	1.057	157,942	149,425	7,771	7,406	142,019	\$11,863.51	\$19,077.81	\$387,747.61	\$2,4550
NEXTERA	2.9%	1.057	155,000	146,641	4,464	4,277	142,364	\$8,189.16	\$4,263.12	\$148,025.00	\$0,9550
REPSOL	4.9%	1.057	155,000	146,641	7,626	7,269	139,373	\$11,642.54	\$16,453.10	\$334,412.50	\$2,1575
SEQUENT	4.2%	1.057	255,000	241,249	10,640	10,125	231,124	\$17,165.93	\$17,028.17	\$408,100.00	\$1,6004
Totals & Averages	3.3%	1.057	2,102,942	1,989,538	69,174	65,881	1,923,658	\$117,270.03	\$108,046.31	\$2,894,375.11	\$1,3763

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	3.1%	1.031	310,000	300,679	9,455	9,246	291,433	\$12,126.89	\$16,640.80	\$545,600.00	\$1,7600
BG	2.4%	1.031	310,000	300,679	7,502	7,351	293,328	\$20,321.14	\$14,966.49	\$618,450.00	\$1,9950
DIRECT	2.1%	1.031	90,000	87,294	1,895	1,858	85,436	\$2,712.81	\$3,002.00	\$142,575.00	\$1,5842
ENSTOR	2.1%	1.031	252,151	244,569	5,302	5,218	239,352	\$7,600.63	\$10,223.18	\$486,191.16	\$1,9282
MACQUARIE	2.3%	1.031	310,000	300,679	7,006	6,870	293,809	\$9,832.89	\$16,665.52	\$737,412.50	\$2,3788
NDR	2.1%	1.031	155,000	150,339	3,255	3,227	147,112	\$4,672.32	\$8,739.68	\$416,175.00	\$2,6850
OCCIDENTAL	1.5%	1.031	310,000	300,679	4,712	4,644	296,035	\$6,189.15	\$9,977.66	\$656,425.00	\$2,1175
UET	2.1%	1.031	155,000	150,339	3,255	3,231	147,108	\$4,672.32	\$8,731.54	\$415,787.50	\$2,6825
ESI INV.		1.031		0	305	296	0	\$433.62	\$0.00	\$0.00	
ES2 INV.		1.031		0	483	468	0	\$832.31	\$0.00	\$0.00	
WSSAGCG1		1.031		0	2,803	2,719	0	\$4,023.13	\$0.00	\$0.00	
WSSINVCG1		1.031		0	812	788	0	\$1,160.44	\$0.00	\$0.00	
CONSTELLATION		1.031	15,785	15,310	0	-	15,310	\$0.00	\$0.00	\$13,337.50	
PPL		1.031	3,921	3,803	0	-	3,803	\$0.00	\$0.00	\$3,545.60	
SOUTH JERSEY		1.031	1,309	1,270	0	-	1,270	\$0.00	\$0.00	\$1,595.71	
SPRAGUE		1.031	1,104	1,071	0	-	1,071	\$0.00	\$0.00	\$909.11	
UGI		1.031	52	50	0	-	50	\$0.00	\$0.00	\$63.39	
Totals & Averages		1.031	1,914,322	1,856,762	46,785	45,916	1,815,117	\$64,577.65	\$88,946.86	\$4,038,067.47	\$2,1094
Grand Total	2.9%	1.044	4,017,264	3,846,301	115,959	111,797	3,738,774	\$181,847.68	\$196,993.17	\$6,932,442.58	\$1,7257

April 16

TEXAS EASTERN SPOT PURCHASES

Supplier	Fuel %	BTU Factor	DTH Purchased	MCF Purchased	DTH Fuel	MCF Fuel	DTH Fuel	MCF Fuel	Transportation Costs	Fuel Costs	Commodity Costs	Average \$/DTH
BG	5.0%	1.060	145,000	136,792	7,250	6,630	130,163	\$11,116.43	\$19,502.50	\$390,050.00	\$2.6900	
BP	3.3%	1.060	360,000	339,623	11,993	11,104	328,518	\$20,929.86	\$18,960.93	\$569,160.00	\$1.5810	
COYANOSA	2.9%	1.060	145,000	136,792	4,176	3,730	133,063	\$7,660.82	\$6,197.18	\$215,180.00	\$1.4840	
EQT	2.9%	1.060	1,015,000	957,547	29,348	27,477	930,070	\$53,619.46	\$38,753.09	\$1,340,275.00	\$1.3205	
EQT	0.0%	1.060	145,000	136,792	0	-	136,792	\$0.00	\$0.00	\$197,925.00	\$1.3650	
MACQUARIE	4.9%	1.060	145,000	136,792	7,134	6,520	130,272	\$10,891.41	\$17,513.97	\$355,975.00	\$2.4550	
NEXTERA	2.9%	1.060	145,000	136,792	4,176	3,730	133,063	\$7,660.82	\$5,700.24	\$197,925.00	\$1.3650	
REPSOL	4.9%	1.060	145,000	136,792	7,134	6,520	130,272	\$10,891.41	\$15,391.61	\$312,837.50	\$2.1575	
SEQUENT	3.5%	1.060	486,784	459,230	17,126	15,948	443,283	\$29,172.22	\$29,899.34	\$849,849.36	\$1.7458	
Totals & Averages	3.2%	1.060	2,731,784	2,577,155	88,337	81,658	2,495,497	\$151,942.43	\$151,918.87	\$4,429,176.86	\$1.6213	

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	3.1%	1.037	290,000	279,653	8,845	8,449	271,203	\$11,344.51	\$18,574.50	\$609,000.00	\$2.1000
BG	2.4%	1.037	470,000	453,230	11,374	10,888	442,342	\$15,648.18	\$22,957.33	\$948,650.00	\$2.0184
DIRECT ENERGY	2.1%	1.037	330,000	318,226	6,952	6,624	311,602	\$9,946.86	\$14,031.98	\$666,075.00	\$2.0184
ENSTOR	2.1%	1.037	520,000	501,446	10,945	490,972	410,474	\$15,674.13	\$22,051.28	\$1,047,662.50	\$2.0147
MACQUARIE	2.3%	1.037	290,000	279,653	6,554	6,240	273,413	\$9,198.51	\$15,590.33	\$689,837.50	\$2.3788
NDR	2.1%	1.037	145,000	139,826	3,045	2,860	136,966	\$4,370.88	\$8,175.83	\$389,325.00	\$2.6850
OCCIDENTAL	1.8%	1.037	635,000	612,343	11,676	11,179	601,164	\$16,188.84	\$24,090.25	\$1,310,150.00	\$2.0632
PACIFIC SUMMIT	2.1%	1.037	20,000	19,286	422	407	18,879	\$602.80	\$793.36	\$37,600.00	\$1.8800
UET	2.1%	1.037	145,000	139,826	3,045	2,856	136,970	\$4,370.88	\$8,168.21	\$388,962.50	\$2.6825
ESI INV.		1.037	0	0	718	692	0	\$1,024.38	\$0.00	\$0.00	
ES2 INV.		1.037	0	0	808	779	0	\$1,153.74	\$0.00	\$0.00	
WSSAGCC1		1.037	0	0	2,726	2,629	0	\$3,913.29	\$0.00	\$0.00	
WSS INV.		1.037	0	0	3,655	3,525	0	\$5,225.33	\$0.00	\$0.00	
CONSTELLATION		1.037	4,247	4,095	0	-	0	\$0.00	\$0.00	\$8,197.44	
PPL		1.037	1,527	1,473	0	-	0	\$0.00	\$0.00	\$2,947.37	
SPRAGUE		1.037	188	181	0	-	0	\$0.00	\$0.00	\$362.87	
SPRAGUE		1.037	0	0	0	-	0	\$0.00	\$0.00	\$2,608.76	
Totals & Averages	2.5%	1.037	2,850,962	2,749,240	70,765	67,604	2,683,512	\$98,662.33	\$134,433.07	\$6,101,378.94	\$2.1401
Grand Total	2.8%	1.048	5,582,746	5,326,395	159,102	149,262	5,179,009	\$250,604.76	\$286,351.94	\$10,530,555.80	\$1.8863



May 16

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
BG	5.0%	1.062	155,000	145,951	7,750	7,238	138,713	\$11,264.63	\$20,847.50	\$416,950.00	\$2.6900
BP	3.9%	1.062	580,000	546,139	22,891	21,489	524,651	\$35,945.47	\$43,888.36	\$1,112,020.00	\$1.9173
COYANOSA	2.9%	1.062	155,000	145,951	4,464	4,143	141,808	\$7,692.39	\$7,441.49	\$258,385.00	\$1.6670
EQT	2.9%	1.062	1,005,000	946,328	29,060	27,295	919,032	\$49,870.53	\$40,785.93	\$1,410,525.00	\$1.4035
EQT	1.062	155,000	145,951	0	0	145,951	\$0.00	\$0.00	\$196,075.00	\$1.2650	
MACQUARIE	4.9%	1.062	152,058	143,181	7,481	6,984	136,197	\$10,814.36	\$18,365.86	\$373,302.39	\$2.4550
NEXTERA	2.9%	1.062	155,000	145,951	4,464	4,143	141,808	\$7,692.39	\$5,646.96	\$196,075.00	\$1.2650
REPSOL	4.9%	1.062	155,000	145,951	7,626	7,121	138,830	\$11,023.57	\$16,453.10	\$334,412.50	\$2.1575
SEQUENT	3.6%	1.062	465,000	437,853	16,709	15,666	422,188	\$26,647.83	\$32,272.63	\$898,125.00	\$1.9315
Totals & Averages	3.4%	1.062	2,977,058	2,803,256	100,445	94,079	2,709,177	\$160,951.17	\$185,701.81	\$5,195,869.89	\$1.7453

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	3.1%	1.039	310,000	298,364	9,455	9,129	289,235	\$12,125.64	\$26,710.38	\$875,750.00	\$2.8250
BG	2.4%	1.039	430,000	413,859	10,406	10,044	403,815	\$14,313.25	\$21,796.94	\$900,700.00	\$2.0947
DIRECT	2.1%	1.039	405,000	389,798	8,532	8,241	381,557	\$12,206.02	\$19,315.50	\$916,875.00	\$2.2639
IBERDROLA	2.1%	1.039	545,000	524,543	11,471	11,069	513,473	\$16,425.71	\$25,354.59	\$1,204,625.00	\$2.2103
MACQUARIE	2.3%	1.039	310,000	298,364	7,006	6,772	291,592	\$9,831.85	\$17,007.07	\$752,525.00	\$2.4275
NDR	2.1%	1.039	155,000	149,182	3,255	3,162	146,020	\$4,671.82	\$8,739.68	\$416,175.00	\$2.6850
OCCIDENTAL	1.9%	1.039	775,000	745,910	14,508	13,992	731,917	\$20,203.19	\$32,097.31	\$1,714,600.00	\$2.2124
UET	2.1%	1.039	155,000	149,182	3,255	3,162	146,020	\$4,671.82	\$8,731.54	\$415,787.50	\$2.6825
E51 INV	1.039	0	0	0	5,303	5,104	0	\$7,574.59	\$0.00	\$0.00	\$0.0000
E52 INV	1.039	0	0	0	6,234	6,000	0	\$8,907.00	\$0.00	\$0.00	\$0.0000
WSS SAG	1.039	0	0	0	3,039	2,925	0	\$4,360.59	\$0.00	\$0.00	\$0.0000
WSS INV	1.039	0	0	0	2,489	2,396	0	\$3,554.86	\$0.00	\$0.00	\$0.0000
CONSTELLATION	1.039	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.0000
PPL	1.039	16,799	16,799	16,168	0	0	16,168	\$0.00	\$0.00	\$45,809.78	\$2.7269
SPRAGUE	1.039	2,209	2,209	2,126	0	0	2,126	\$0.00	\$0.00	\$6,023.80	\$2.7269
UGI	1.039	2,508	2,508	2,414	0	0	2,414	\$0.00	\$0.00	\$3,835.77	\$1.5294
UGI	1.039	1,251	1,251	1,204	0	0	1,204	\$0.00	\$0.00	\$3,411.40	\$2.7269
Totals & Averages	1.039	3,107,767	2,991,114	84,953	81,996	2,925,542	\$118,846.34	\$159,753.00	\$7,256,118.25	\$2.3348	
Grand Total	3.0%	1.050	6,084,825	5,794,370	185,398	176,075	5,634,719	\$279,797.51	\$345,454.81	\$12,451,988.14	\$2.0464

June 16

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%	1.057	150,000	141,911	3,360	3,199	138,712	\$7,977.22	\$4,502.40	\$201,000.00	\$1.3400
EQT-Baseload	1.057	150,000	141,911	-	-	141,911	\$0.00	\$0.00	\$201,000.00	\$1.3400	
MACQUARIE	2.4%	1.057	300,000	283,822	7,230	6,860	276,962	\$17,987.13	\$11,522.81	\$478,125.00	\$1.5938
NEXTERA	2.2%	1.057	149,836	141,756	3,356	3,183	138,573	\$7,968.51	\$4,497.04	\$200,780.24	\$1.3400
SEQUENT	2.2%	1.057	283,656	268,360	6,360	6,037	262,322	\$15,084.91	\$9,303.43	\$414,932.76	\$1.4628
STATOIL	2.2%	1.057	150,000	141,911	3,360	3,187	138,724	\$7,977.22	\$4,527.26	\$202,110.00	\$1.3474
Totals & Averages	2.0%	1.057	1,183,492	1,119,671	23,666	22,466	1,097,205	\$56,994.99	\$34,352.94	\$1,697,948.00	\$1.4347

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%	1.029	150,000	145,773	1,530	1,522	144,251	\$1,743.30	\$2,884.05	\$282,750.00	\$1.8850
BG	0.9%	1.029	150,000	145,773	1,290	1,284	144,489	\$1,415.70	\$2,463.90	\$286,500.00	\$1.9100
BNP	0.3%	1.029	150,000	145,773	510	496	145,277	\$1,220.10	\$742.05	\$218,250.00	\$1.4550
BP	0.3%	1.029	150,000	145,773	510	496	145,277	\$1,220.10	\$669.63	\$196,950.00	\$1.3130
COYANOSA	0.3%	1.029	150,000	145,773	510	496	145,277	\$1,220.10	\$674.73	\$198,450.00	\$1.3230
DIRECT	2.3%	1.029	265,064	257,594	6,064	5,930	251,664	\$9,057.23	\$15,437.07	\$674,771.24	\$2.5457
PACIFIC	0.3%	1.029	150,000	145,773	510	496	145,277	\$1,220.10	\$742.05	\$218,250.00	\$1.4550
CONSTELLATION	0.0%	1.029	419	407	0	-	407	\$0.00	\$0.00	\$765.37	\$1.8267
DIRECT (GTS)	0.0%	1.029	4,566	4,437	0	-	4,437	\$0.00	\$0.00	\$8,340.56	\$1.8267
PPL	0.0%	1.029	411	399	0	-	399	\$0.00	\$0.00	\$750.76	\$1.8267
SOUTH JERSEY	0.0%	1.029	1,047	1,017	0	-	1,017	\$0.00	\$0.00	\$1,912.52	\$1.8267
SPRAGUE	0.0%	1.029	488	474	0	-	474	\$0.00	\$0.00	\$660.34	\$1.3532
UGI	0.0%	1.029	955	928	0	-	928	\$0.00	\$0.00	\$1,744.47	\$1.8267
Totals & Averages	0.9%	1.029	1,172,950	1,139,893	10,924	10,718	1,129,175	\$17,096.63	\$23,613.48	\$2,090,095.26	\$1.7819
Grand Total	1.5%	1.043	2,356,442	2,259,564	34,590	33,184	2,226,380	\$74,091.62	\$57,966.43	\$3,788,043.26	\$1.6075



July 16

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%	1.060	155,000	146,226	3,472	3,254	142,972	\$8,243.12	\$6,805.12	\$303,800.00	\$1.9600
EQT--Baseload	0.0%	1.060	155,000	146,226		-	146,226		\$0.00	\$303,800.00	\$1.9600
EQT--Swing	2.2%	1.060	233,402	220,191	5,226	4,909	215,281	\$12,412.78	\$7,160.61	\$319,805.11	\$1.3702
MACQUARIE	2.4%	1.060	310,000	292,453	7,471	7,027	285,426	\$18,586.69	\$17,958.42	\$745,162.50	\$2.4038
NEXTERA	2.2%	1.060	155,000	146,226	3,472	3,254	142,972	\$8,243.12	\$6,805.12	\$303,800.00	\$1.9600
SEQUENT	2.2%	1.060	445,685	420,458	9,981	9,395	411,063	\$23,702.30	\$15,689.25	\$700,577.22	\$1.5719
STATOIL	2.2%	1.060	155,000	146,226	3,472	3,254	142,972	\$8,243.12	\$6,830.81	\$304,947.00	\$1.9674
Totals & Averages	2.1%	1.060	1,609,087	1,518,007	33,094	31,095	1,486,912	\$79,431.13	\$61,249.33	\$2,981,891.83	\$1.8532

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%	1.031	155,000	150,339	1,581	1,441	148,898	\$1,801.41	\$4,497.95	\$440,975.00	\$2.8450
BG	0.9%	1.031	155,000	150,339	1,333	1,201	149,139	\$1,462.89	\$3,812.38	\$443,300.00	\$2.8600
BNP	0.3%	1.031	155,000	150,339	527	469	149,870	\$1,242.77	\$1,151.50	\$338,675.00	\$2.1850
BP	0.3%	1.031	155,000	150,339	527	469	149,870	\$1,242.75	\$1,194.71	\$351,385.00	\$2.2670
COYANOSA	0.3%	1.031	155,000	150,339	527	469	149,870	\$1,242.75	\$1,199.98	\$352,935.00	\$2.2770
ENSTOR	2.3%	1.031	105,405	102,236	2,405	2,238	99,998	\$3,555.44	\$6,653.50	\$291,606.09	\$2.7665
PACIFIC	0.3%	1.031	155,000	150,339	527	469	149,870	\$1,242.75	\$1,151.50	\$338,675.00	\$2.1850
CONSTELLATION		1.031	802	778	0	-	778	\$0.00	\$0.00	\$1,472.45	\$1.8360
SPRAGUE		1.031	113	110	0	-	110	\$0.00	\$0.00	\$207.46	\$1.8359
UGI		1.031	8,495	8,240	0	-	8,240	\$0.00	\$0.00	\$10,934.21	\$1.2871
WGL		1.031	841	816	0	-	816	\$0.00	\$0.00	\$1,037.81	\$1.2340
Totals & Averages	0.7%	1.031	1,045,656	1,014,215	7,427	6,757	1,007,459	\$11,790.76	\$19,661.51	\$2,571,203.02	\$2.4589
Grand Total	1.5%	1.048	2,654,743	2,532,222	40,521	37,851	2,494,370	\$91,221.89	\$80,910.84	\$5,553,094.85	\$2.0918

Aug 16

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%	1.060	155,000	146,226	3,472	3,275	142,951	\$8,728.01	\$4,340.00	\$193,750.00	\$1.2500
EQT--Baseload	0.0%	1.060	155,000	146,226		-	146,226		\$0.00	\$193,750.00	\$1.2500
EQT--Swing	2.2%	1.060	293,632	277,011	6,576	6,204	270,808	\$16,534.43	\$8,272.76	\$369,395.99	\$1.2580
MACQUARIE	2.4%	1.060	310,000	292,453	7,471	7,048	285,405	\$19,690.68	\$14,334.97	\$594,812.00	\$1.9187
NEXTERA	2.2%	1.060	155,000	146,226	3,472	3,275	142,951	\$8,728.01	\$4,340.00	\$193,750.00	\$1.2500
SEQUENT	2.2%	1.060	465,000	438,679	10,416	9,826	428,853	\$26,184.04	\$12,977.44	\$579,350.00	\$1.2459
STATOIL	2.2%	1.060	155,000	146,226	3,472	3,275	142,951	\$8,728.01	\$4,365.69	\$194,897.00	\$1.2574
Totals & Averages	2.1%	1.06	1,688,632	1,593,049	34,879	32,905	1,560,144	\$88,593.18	\$48,630.87	\$2,319,704.99	\$1.3737

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%	1.029	155,000	150,632	1,581	1,536	149,095	\$1,801.41	\$4,355.66	\$427,025.00	\$2.7550
BG/SHELL	0.9%	1.029	154,214	149,868	1,326	1,289	148,579	\$1,455.48	\$3,460.86	\$402,498.54	\$2.6100
BNP	0.3%	1.029	155,000	150,632	527	512	150,120	\$1,260.77	\$951.24	\$279,775.00	\$1.8050
BP	0.3%	1.029	155,000	150,632	527	512	150,120	\$1,260.77	\$1,065.59	\$313,410.00	\$2.0220
COYANOSA	0.3%	1.029	155,000	150,632	527	512	150,120	\$1,260.77	\$1,070.86	\$314,960.00	\$2.0320
ENSTOR	2.3%	1.029	83,917	81,552	1,917	1,863	79,689	\$2,867.54	\$5,301.18	\$232,060.00	\$2.7654
PACIFIC	0.3%	1.029	155,000	150,632	527	512	150,120	\$1,260.77	\$951.24	\$279,775.00	\$1.8050
UGI		1.029	796	774	0	-	774	\$0.00	\$0.00	\$1,386.84	\$1.7423
PPL		1.029	611	594	0	-	594	\$0.00	\$0.00	\$1,064.52	\$1.7423
Totals & Averages	0.7%	1.030	1,014,538	985,352	6,932	6,737	978,615	\$11,167.51	\$17,156.62	\$2,251,954.90	\$2.2197
Grand Total	1.5%	1.048	2,703,170	2,578,401	41,811	39,641	2,538,759	\$99,760.69	\$65,787.49	\$4,571,659.89	\$1.6912



sep 16

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	137,043	3,248	3,070	133,973	\$8,164.91	\$3,767.68	\$168,200.00	\$1.1600
EQT--Baseload	0.0%	1.058	150,000	141,769		-	141,769		\$0.00	\$174,000.00	\$1.1600
EQT--Swing	2.2%	1.058	375,702	355,085	8,422	7,960	347,126	\$21,155.33	\$8,587.99	\$383,106.96	\$1.0197
MACQUARIE	2.4%	1.058	295,000	278,812	7,118	6,727	272,084	\$18,773.95	\$14,074.94	\$583,325.00	\$1.9774
NEXTERA	2.2%	1.058	150,000	141,769	3,360	3,176	138,593	\$8,446.47	\$3,897.60	\$174,000.00	\$1.1600
SEQUENT	2.2%	1.058	450,000	425,306	10,080	9,527	415,779	\$25,339.40	\$10,681.44	\$476,850.00	\$1.0597
STATOIL	2.2%	1.058	150,000	141,769	3,360	3,176	138,593	\$8,446.47	\$3,922.46	\$175,110.00	\$1.1674
Totals & Averages	2.1%	1.0581	1,715,702	1,621,553	35,588	33,635	1,587,918	\$90,326.53	\$44,932.12	\$2,134,591.96	\$1.2442

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%	1.029	150,000	145,773	1,530	1,487	144,286	\$1,743.30	\$4,215.15	\$413,250.00	\$2.7550
BG/SHELL	0.9%	1.029	150,000	145,773	1,290	1,254	144,519	\$1,415.70	\$3,338.52	\$388,200.00	\$2.5880
BNP	0.3%	1.029	150,000	145,773	510	496	145,277	\$1,220.10	\$701.25	\$206,250.00	\$1.3750
BP	0.3%	1.029	150,000	145,773	510	496	145,277	\$1,220.10	\$1,123.53	\$330,450.00	\$2.2030
COYANOSA	0.3%	1.029	150,000	145,773	510	496	145,277	\$1,220.10	\$1,128.63	\$331,950.00	\$2.2130
ENSTOR	2.3%	1.029	92,100	89,504	2,100	2,041	87,464	\$3,147.30	\$6,129.20	\$268,809.35	\$2.9187
PACIFIC	0.3%	1.029	150,000	145,773	510	496	145,277	\$1,220.10	\$680.85	\$200,250.00	\$1.3350
UGI	0.0%	1.029	0	0	0	-	0	\$0.00	\$0.00	\$0.00	\$0.0000
PPL	0.0%	1.029	0	0	0	-	0	\$0.00	\$0.00	\$0.00	\$0.0000
WSS SAGI	2.3%	1.029	97,498	94,750	2,235	2,172	92,578	\$3,331.32	\$0.00	\$0.00	\$0.0000
Totals & Averages	0.6%	1.130	1,089,598	964,140	6,960	6,764	957,376	\$14,518.02	\$17,317.13	\$2,139,159.35	\$1.9633
Grand Total	1.5%	1.085	2,805,300	2,585,693	42,548	40,399	2,545,294	\$104,844.55	\$62,249.25	\$4,273,751.31	\$1.5235

Oct 16

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		\$0.00	\$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 Factor	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
WSS SAGI	0.0%	1.039	0	0	-	-	0	\$7,299.59	\$0.00	\$0.00	\$0.0000
Totals & Averages	1.0%	1.039	1,428,362	1,375,259	14,522	13,982	1,260,181	\$33,423.57	\$38,399.78	\$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



Nov 16

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	142,462	6,060	5,755	136,707	\$12,191.72	\$17,210.40	\$426,000.00	\$2.8400
EQT--Baseload	0.0%	1.053	150,000	142,462		-	142,462		\$0.00	\$312,000.00	\$2.0800
EQT--Baseload	2.2%	1.053	300,000	284,925	6,720	6,382	278,542	\$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%	1.0533	2,300,000	2,183,714	59,370	56,367	2,127,347	\$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	2.9%	1.030	300,000	291,213	8,656	8,402	282,810	\$6,706.93	\$12,016.69	\$416,475.00	\$1.3883
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
WSSINVCG1	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	\$8,720.77	\$0.00	\$0.00	\$0.0000
Totals & Averages	2.4%	1.030	2,380,468	2,310,742	56,858	55,193	2,255,550	\$84,417.52	\$140,996.52	\$6,025,947.38	\$2.5314

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%	1.041	4,680,468	4,494,457	116,228	111,560	4,382,897	\$220,038.55	\$248,936.98	\$10,207,572.38	\$2.1809

## Philadelphia Gas Works

As of February 2016

Transco Supplier		
Transco Supplier	1	FS
Transco Supplier	2	HESS/DIRECT ENERGY
Transco Supplier	3	BNP PARABIS (FORMERLY FORTIS)
Transco Supplier	4	CONOCO
Transco Supplier	5	EL PASO
Transco Supplier	6	COOK INLET/MACQUARIE ENERGY
Transco Supplier	7	CORAL/SHELL
Transco Supplier	8	OXY
Transco Supplier	9	TEXACO
Transco Supplier	10	ANADARKO
Transco Supplier	11	ENRON
Transco Supplier	12	SOCIETE GENERALE
Transco Supplier	13	MIRANT
Transco Supplier	14	BP AMOCO/BP ENERGY
Transco Supplier	15	WESCO
Transco Supplier	16	SEQUENT
Transco Supplier	17	COKINOS
Transco Supplier	18	FRONTERA
Transco Supplier	19	UBS
Transco Supplier	20	LOUIS DREYFUS
Transco Supplier	21	NET NATIONAL ENERGY & TRADE
Transco Supplier	22	PPM/ IBERDROLA RENEWABLES
Transco Supplier	23	BG ENERGY
Transco Supplier	24	CIMA
Transco Supplier	25	TENASKA
Transco Supplier	26	FREEPOINT COMMODITIES
Transco Supplier	27	ONEOKE
Transco Supplier	28	CONSTELLATION/EXELON
Transco Supplier	29	COYANOSA GAS SERVICES
Transco Supplier	30	UET UNITED ENERGY TRADING
Transco Supplier	31	NDR
Transco Supplier	32	PACIFIC SUMMIT

TETCO Supplier	1	HESS/DIRECT ENERGY
TETCO Supplier	2	SEMPRA
TETCO Supplier	3	OXY
TETCO Supplier	4	BNP PARABIS (FORMERLY FORTIS)
TETCO Supplier	5	BP AMOCO/BP ENERGY
TETCO Supplier	6	ENRON
TETCO Supplier	7	ANADARKO
TETCO Supplier	8	DUKE
TETCO Supplier	9	SUPERIOR
TETCO Supplier	10	MIRANT
TETCO Supplier	11	AQUILA
TETCO Supplier	12	EL PASO
TETCO Supplier	13	CORAL/SHELL
TETCO Supplier	14	COKINOS
TETCO Supplier	15	FRONTERA
TETCO Supplier	16	COOK INLET/MACQUAIRE ENERGY
TETCO Supplier	17	PPM/ IBERDROLA RENEWABLES
TETCO Supplier	18	NET NATIONAL ENERGY & TRADE
TETCO Supplier	19	BG ENERGY
TETCO Supplier	20	TENASKA
TETCO Supplier	21	LOUIS DREYFUS
TETCO Supplier	22	CONSTELLATION/EXELON
TETCO Supplier	23	FREEPOINT COMMODITIES
TETCO Supplier	24	EQT CORPORATION
TETCO Supplier	25	COYANOSA
TETCO Supplier	26	SEQUENT
TETCO Supplier	27	NDR
TETCO Supplier	28	NEXTERA
TETCO Supplier	29	REPSOL
TETCO Supplier	30	STATOIL

TETCO SUPPLIER 31 UET

**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:**

The Marketing Department actively pursues all new residential, commercial and major accounts which involve both new construction and rehabilitation projects. The Marketing Department also actively participates in trade organizations nationally and locally in order to receive information about the planning and development of new projects in Philadelphia.



### 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 – Philip Q. Hanser 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 – Philip Q. Hanser 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 – Philip Q. Hanser 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:**

Please see attached.

**PEAK DAY HISTORY**

<b><u>FISCAL YEAR</u></b>	<b><u>DATE</u></b>	<b><u>DEGREE AVG TEMP</u></b>	<b><u>MCF SENDOUT</u></b>	<b><u>N.G.</u></b>	<b><u>L.N.G.</u></b>
2012-2013	01/23/13	21	542,095	454,157	87,938
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	01/01/17	2	734,294	631,917	102,377
2017-2018	01/01/18	2	740,583	510,409	230,174

## 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)
2012 - 2013	Jan 23	21	24	19	542,095	474,747	353	3,499	63,496
2012 - 2013	Jan 24	23	28	19	520,871	454,814	344	3,697	62,016
2012 - 2013	Jan 25	23	31	20	532,130	467,509	344	3,645	60,632
2013 - 2014	Jan 22	14	19	8	576,853	513,402	173	2,422	60,855
2013 - 2014	Jan 23	18	26	13	550,700	485,528	164	1,698	63,310
2013 - 2014	Jan 24	22	29	15	544,086	478,302	174	3,716	61,893
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	407,975	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 1	2	-	-	734,294	634,860	2787	4,980	91,667
2016 - 2017	Jan 2	7	-	-	681,341	587,363	2787	4,797	86,394
2016 - 2017	Jan 3	10	-	-	649,569	558,864	2787	4,688	83,230
2017 - 2018	Jan 1	2	-	-	740,583	638,683	2787	4,980	94,133
2017 - 2018	Jan 2	7	-	-	642,229	542,942	2787	4,797	91,703
2017 - 2018	Jan 3	10	-	-	530,703	437,532	2787	4,688	85,696

\* Excludes Grays Ferry &amp; 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 17-18 3372 DEG DAYS	Ave. Monthly Cons. (MCF) Nov. to March Budget Yr 16-17 3603 DEG DAYS	Ave. Monthly Cons. (MCF) Nov. to March Budget Yr 15-16 3612 DEG DAYS	Ave. Monthly Cons. (MCF) Nov. to March Budget Yr 14-15 3606 DEG DAYS	Ave. Monthly Cons. (MCF) Nov. to March Budget Yr 13-14 3609 DEG DAYS	Ave. Monthly Cons. (MCF) Nov. to March Budget Yr 12-13 3661 DEG DAYS
RC-1	Residential Non-Heat	53,301	59,155	53,161	56,471	63,579	66,527
	Residential Non-Heat-AC	-	0	-	-	-	-
RC-2	Residential Heat	5,130,988	5,428,638	5,448,564	5,382,280	5,450,113	5,672,750
RC-3	Residential Heat-AC	-	-	-	-	-	-
RC-3	PHA GS Heat	25,381	26,925	26,973	25,236	25,937	27,013
RC-4	Commercial Non-Heat	111,714	123,697	121,758	115,841	136,815	141,970
	Commercial Non-Heat-AC	-	-	-	-	-	-
RC-5	Commercial Heat	842,991	870,705	877,349	873,461	912,252	993,967
	Commercial Heat-AC	-	-	-	-	-	-
RC-6	Industrial Non-Heat	14,746	14,907	14,423	14,018	18,850	29,290
RC-7	Industrial Heat	43,151	45,969	53,950	57,019	58,454	56,179
RC-8	Municipal Non-Heat	18,923	20,067	19,478	31,322	19,715	23,957
	Municipal Non-Heat-AC	-	-	-	-	-	-
RC-9	Municipal Heat	72,247	77,114	81,268	78,980	82,404	101,444
	Municipal Heat-AC	-	-	-	-	-	-
RC-10	Housing Auth Non-Heat	-	-	-	-	-	-
RC-11	Housing Auth Heat	5,598	6,052	80,560	82,986	86,704	80,015
RC-12	BPS Small	-	-	-	-	-	570
RC-13	BPS Large	-	-	-	-	-	16,144
RC-14	BPS A/C	-	-	-	-	-	77
RC-15	LBS Small	-	-	-	-	1,764	5,009
RC-16	LBS Large-Indirect	-	-	-	-	-	-
RC-17	LBS Large-Direct	-	-	-	-	-	-
RC-18	LBS XLarge-Indirect	-	-	-	-	-	-
RC-19	LBS XLarge-Direct	-	-	-	-	-	-
RC-20	LNG Sales	82,740	82,740	24,400	82,972	69,384	-
RC-21	Co-Gen Indirect	1,383	1,383	524	1,863	1,701	987
RC-22	GTS Sales	-	-	-	-	-	-
RC-23	NGV Firm	146	146	249	127	85	94
	<b>Total</b>	<b>6,402,709</b>	<b>6,757,497</b>	<b>6,802,637</b>	<b>6,802,576</b>	<b>6,927,836</b>	<b>7,215,992</b>
<b>FIRM TRANSPORT NON HEATING</b>							
	RESIDENTIAL	-	-	-	-	-	-
	COMMERCIAL	58,007	57,485	66,933	73,015	59,025	46,005
	INDUSTRIAL	18,368	18,912	24,582	24,965	17,703	13,419
	MUNICIPAL	8,117	8,558	9,980	11,356	15,852	11,607
	NGV	353	353	-	-	-	-
	<b>TOTAL FT NON-HEATING</b>	<b>84,845</b>	<b>85,308</b>	<b>101,495</b>	<b>109,336</b>	<b>92,579</b>	<b>71,030</b>
<b>FIRM TRANSPORT HEATING</b>							
	RESIDENTIAL	-	-	-	-	-	-
	COMMERCIAL	414,171	420,019	444,320	403,887	335,683	276,989
	INDUSTRIAL	34,429	36,045	37,445	29,608	24,541	26,334
	MUNICIPAL	59,631	63,649	64,280	72,719	67,947	55,959
	HOUSING AUTHORITY	69,835	73,918	-	-	-	-
	<b>TOTAL FT HEATING</b>	<b>578,066</b>	<b>593,631</b>	<b>546,045</b>	<b>506,214</b>	<b>428,171</b>	<b>359,282</b>
	<b>TOTAL FIRM TRANSPORT</b>	<b>662,911</b>	<b>678,938</b>	<b>647,540</b>	<b>615,550</b>	<b>520,750</b>	<b>430,312</b>

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

Rate Class	Rate Class Name	Ave. Monthly Cons. (MCF) April to August 483 DEG DAYS	Ave. Monthly Cons. (MCF) Sept-Oct & April to August 634 DEG DAYS	Ave. Monthly Cons. (MCF) Sept-Oct & April to August 625 DEG DAYS	Ave. Monthly Cons. (MCF) Sept-Oct & April to August 650 DEG DAYS	Ave. Monthly Cons. (MCF) Sept-Oct & April to August 671 DEG DAYS
RC-1	Residential Non-Heat	21,857	24,270	24,550	26,528	28,821
RC-2	Residential Non-Heat-AC	-	0	-	-	-
RC-2	Residential Heat	1,192,352	1,309,565	1,309,313	1,333,328	1,354,786
RC-3	Residential Heat-AC	-	-	-	-	-
RC-3	PHA GS	5,623	6,230	6,168	5,869	5,903
RC-4	Commercial Non-Heat	56,816	62,497	62,458	64,051	67,275
RC-4	Commercial Non-Heat-AC	709	709	651	-	696
RC-5	Commercial Heat	248,780	259,885	258,250	272,442	276,281
RC-5	Commercial Heat-AC	-	-	-	-	-
RC-6	Industrial Non-Heat	4,292	4,594	4,487	4,437	8,264
RC-7	Industrial Heat	8,707	9,777	12,685	12,650	12,605
RC-8	Municipal Non-Heat	4,524	4,930	4,533	6,246	4,318
RC-8	Municipal Non-Heat-AC	243	243	986	705	659
RC-9	Municipal Heat	13,329	15,026	13,835	13,893	14,331
RC-9	Municipal Heat-AC	-	-	-	-	-
RC-10	Housing Auth Non-Heat	-	-	-	-	-
RC-11	Housing Auth Heat	2,199	2,381	20,563	20,008	19,739
RC-12	BPS Small	-	-	-	-	-
RC-13	BPS Large	-	-	-	-	-
RC-14	BPS A/C	-	-	-	-	-
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	83,757	83,757	54,643	82,377	69,380
RC-21	Co-Gen Indirect	1,400	1,400	527	1,886	1,889
RC-22	GTS Sales	-	-	-	-	-
RC-23	NGV Firm	148	148	251	128	86
	<b>Total</b>	<b>1,644,735</b>	<b>1,785,413</b>	<b>1,773,899</b>	<b>1,844,548</b>	<b>1,865,109</b>

FIRM TRANSPORT NON HEATING

RESIDENTIAL	-	-	-	-	-	-
COMMERCIAL	29,894	29,453	34,953	34,086	34,561	27,299
INDUSTRIAL	11,536	11,755	13,792	14,350	13,493	4,695
MUNICIPAL	2,607	2,764	3,197	3,496	4,344	3,964
NGV	368	368	-	-	-	-
<b>TOTAL FT NON-HEATING</b>	<b>44,406</b>	<b>44,340</b>	<b>51,941</b>	<b>51,932</b>	<b>52,398</b>	<b>35,958</b>

FIRM TRANSPORT HEATING

RESIDENTIAL	-	-	-	-	-	-
COMMERCIAL	139,339	143,682	142,410	133,735	116,730	97,106
INDUSTRIAL	13,289	13,938	12,571	11,306	9,926	10,996
MUNICIPAL	8,745	10,173	9,183	11,202	11,023	8,944
HOUSING AUTHORITY	15,039	16,687	-	-	-	-
<b>TOTAL FT HEATING</b>	<b>176,412</b>	<b>184,481</b>	<b>164,164</b>	<b>156,243</b>	<b>137,679</b>	<b>117,047</b>

TOTAL FIRM TRANSPORT

<b>220,818</b>	<b>228,821</b>	<b>216,105</b>	<b>208,175</b>	<b>190,078</b>	<b>153,005</b>
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e. The average daily consumption in MCF for each 12-month period.

Rate Class	Rate Class Name	Ave.Daily Cons. (MCF) Test Year 17-18 3855 DEG DAYS	Ave.Daily Cons. (MCF) Budget Yr 16-17 4237 DEG DAYS	Ave.Daily Cons. (MCF) Budget Yr 15-16 4237 DEG DAYS	Ave.Daily Cons. (MCF) Budget Yr 14-15 4256 DEG DAYS	Ave.Daily Cons. (MCF) Budget Yr 13-14 4268 DEG DAYS	Ave.Daily Cons. (MCF) Budget Yr 12-13 4332 DEG DAYS
RC-1	Residential Non-Heat	206	229	212	227	253	269
RC-2	Residential Non-Heat-AC	-	0	-	-	-	-
RC-2	Residential Heat	17,324	18,461	18,464	18,399	18,644	19,367
RC-3	Residential Heat-AC	-	-	-	-	-	-
RC-3	PHA GS	85	91	91	85	87	92
RC-4	Commercial Non-Heat	462	510	503	493	559	578
RC-4	Commercial Non-Heat-AC	2	2	2	-	-	2
RC-5	Commercial Heat	2,991	3,098	3,103	3,139	3,256	3,527
RC-5	Commercial Heat-AC	-	-	-	-	-	0
RC-6	Industrial Non-Heat	51	53	52	51	74	107
RC-7	Industrial Heat	142	153	182	191	195	192
RC-8	Municipal Non-Heat	64	68	66	103	66	80
RC-8	Municipal Non-Heat-AC	1	1	3	2	2	2
RC-9	Municipal Heat	234	252	260	254	265	322
RC-9	Municipal Heat-AC	-	-	-	-	-	-
RC-10	Housing Auth Non-Heat	-	-	-	-	-	-
RC-11	Housing Auth Heat	21	23	276	282	292	279
RC-12	BPS Small	-	-	-	-	-	2
RC-13	BPS Large	-	-	-	-	-	57
RC-14	BPS A/C	-	-	-	-	2	2
RC-15	LBS Small	-	-	-	-	5	17
RC-16	LBS Large-Indirect	-	-	-	-	-	-
RC-17	LBS Large-Direct	-	-	-	-	-	-
RC-18	LBS XLarge-Indirect	227	227	67	227	190	-
RC-19	LBS XLarge-Direct	229	229	149	226	190	-
RC-20	LNG Sales	8	8	3	10	9	5
RC-21	Co-Gen Indirect	-	-	-	-	-	-
RC-22	GTS Sales	-	-	-	-	-	-
RC-23	NGV Firm	1	1	1	1	0	1
	<b>Total</b>	<b>22,048</b>	<b>23,405</b>	<b>23,433</b>	<b>23,691</b>	<b>24,090</b>	<b>24,901</b>
	<b>FIRM TRANSPORT NON HEATING</b>						
	RESIDENTIAL	-	-	-	-	-	-
	COMMERCIAL	241	238	278	293	256	201
	INDUSTRIAL	82	84	105	108	85	50
	MUNICIPAL	29	31	36	41	55	43
	NGV	2	2	-	-	-	-
	<b>TOTAL FT NON-HEATING</b>	<b>354</b>	<b>355</b>	<b>419</b>	<b>442</b>	<b>397</b>	<b>293</b>
	<b>FIRM TRANSPORT HEATING</b>						
	RESIDENTIAL	-	-	-	-	-	-
	COMMERCIAL	1,516	1,544	1,603	1,473	1,239	1,025
	INDUSTRIAL	131	137	137	112	94	102
	MUNICIPAL	187	202	201	230	216	178
	HOUSING AUTHORITY	233	248	-	-	-	-
	<b>TOTAL FT HEATING</b>	<b>2,067</b>	<b>2,132</b>	<b>1,940</b>	<b>1,815</b>	<b>1,550</b>	<b>1,305</b>
	<b>TOTAL FIRM TRANSPORT</b>	<b>2,421</b>	<b>2,487</b>	<b>2,360</b>	<b>2,257</b>	<b>1,947</b>	<b>1,598</b>

#### **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 4 of this filing.

Philadelphia Gas Works' Base Rate Filing

**IV. RATE STRUCTURE**

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

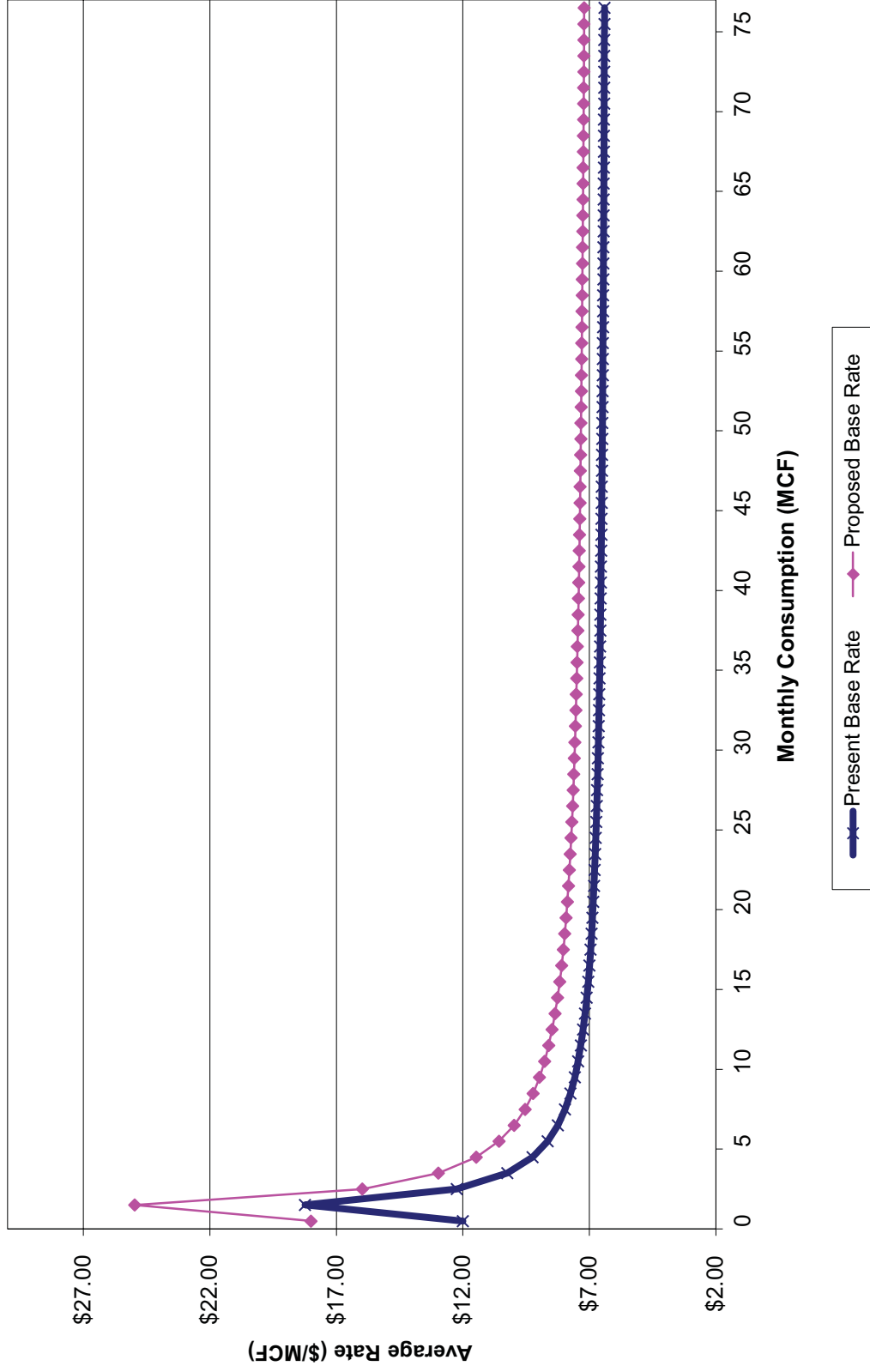
**RESPONSE:**

Please see attached.



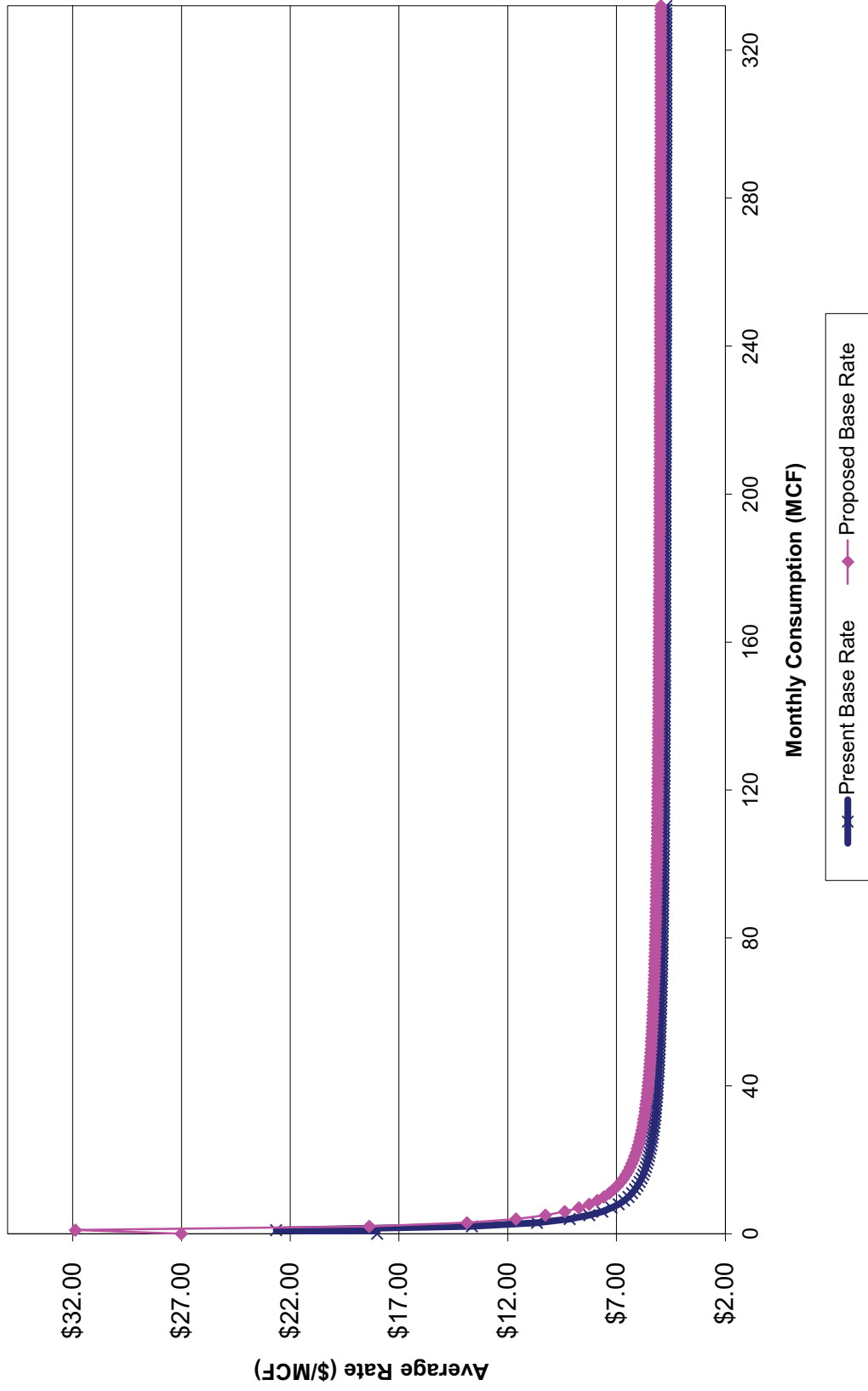
# PHILADELPHIA GAS WORKS PRESENT AND PROPOSED RATES

## RESIDENTIAL UNIT COST



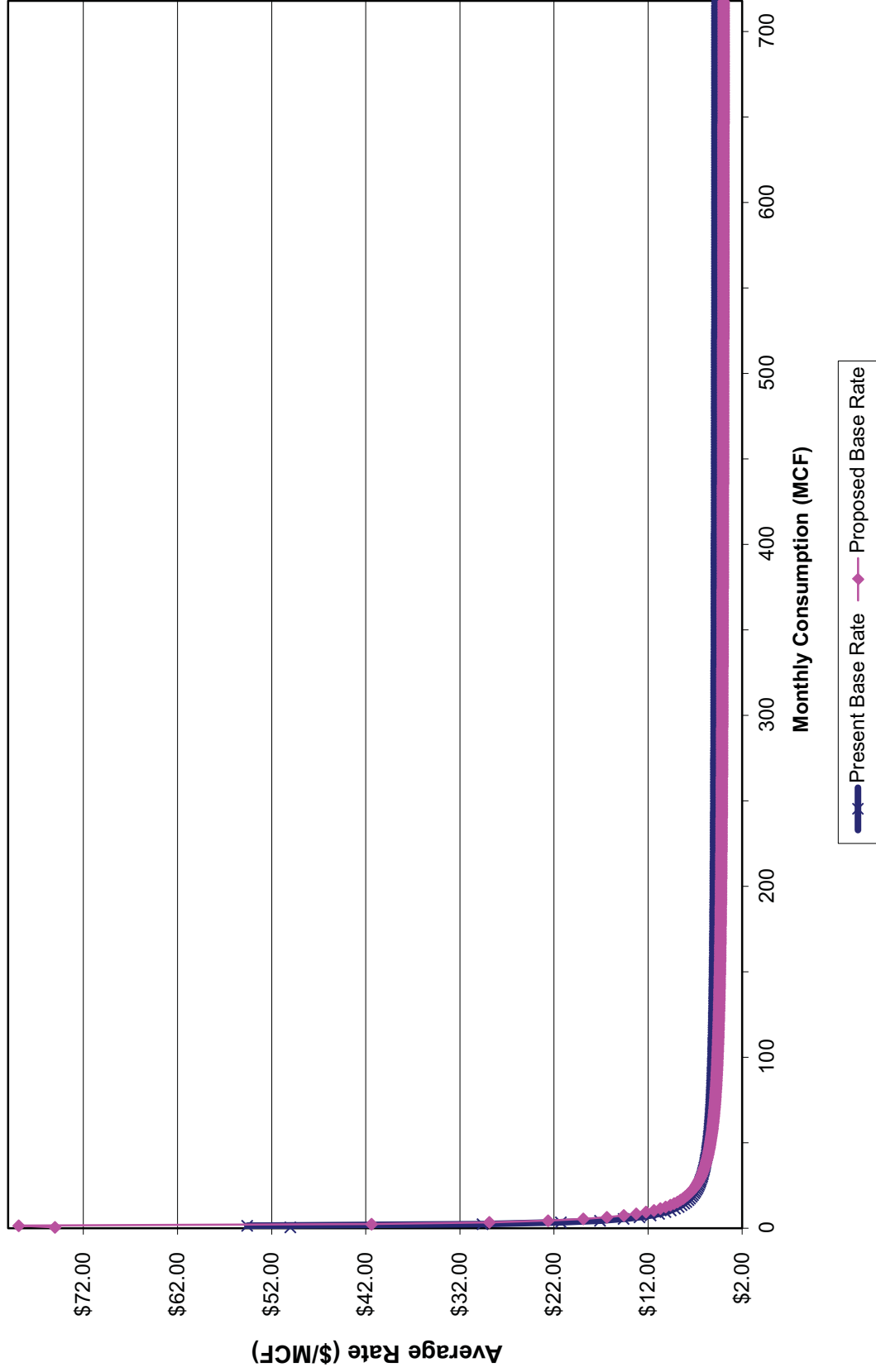
# PHILADELPHIA GAS WORKS PRESENT AND PROPOSED RATES

## COMMERCIAL UNIT COST



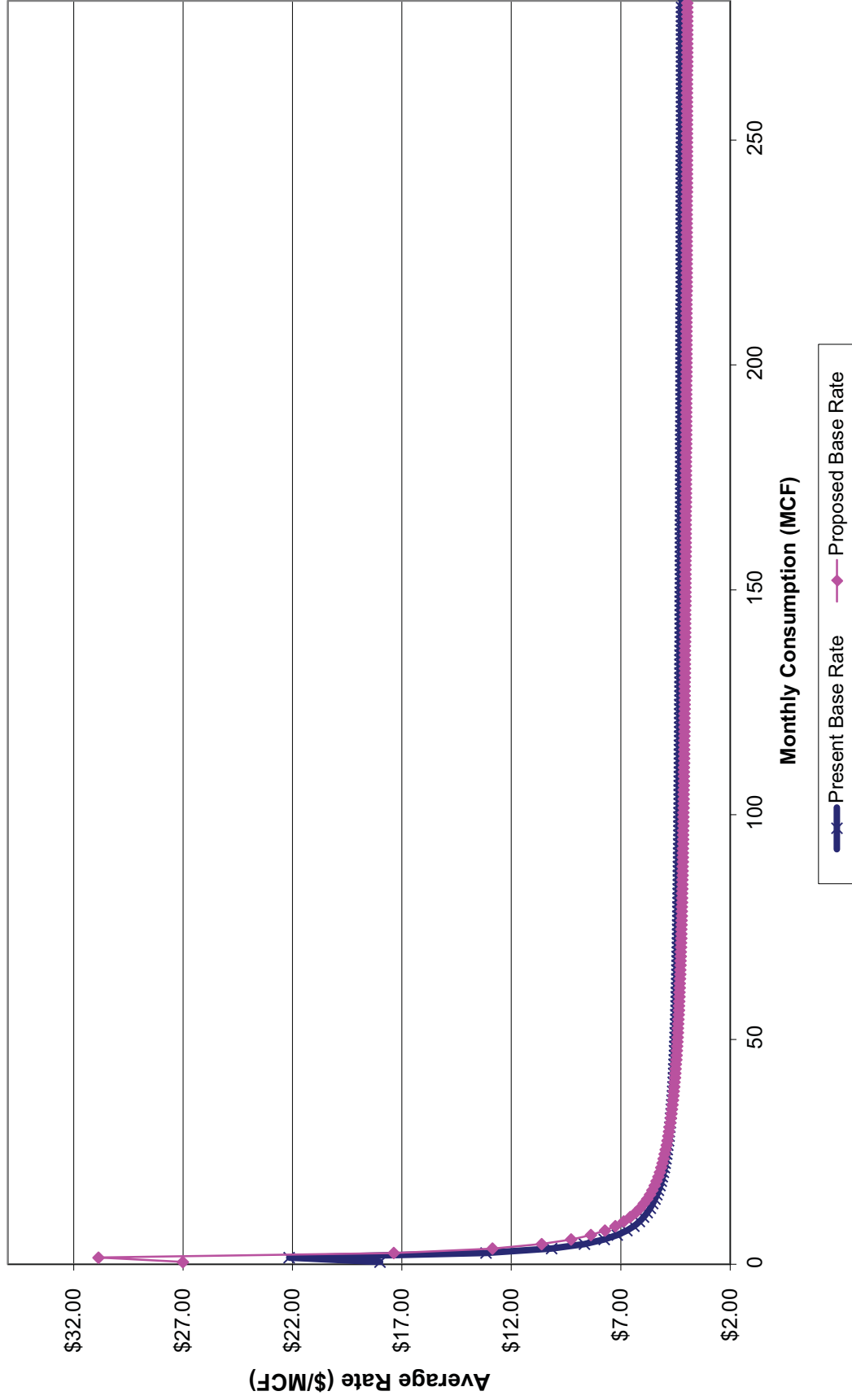
# PHILADELPHIA GAS WORKS PRESENT AND PROPOSED RATES

## INDUSTRIAL UNIT COST



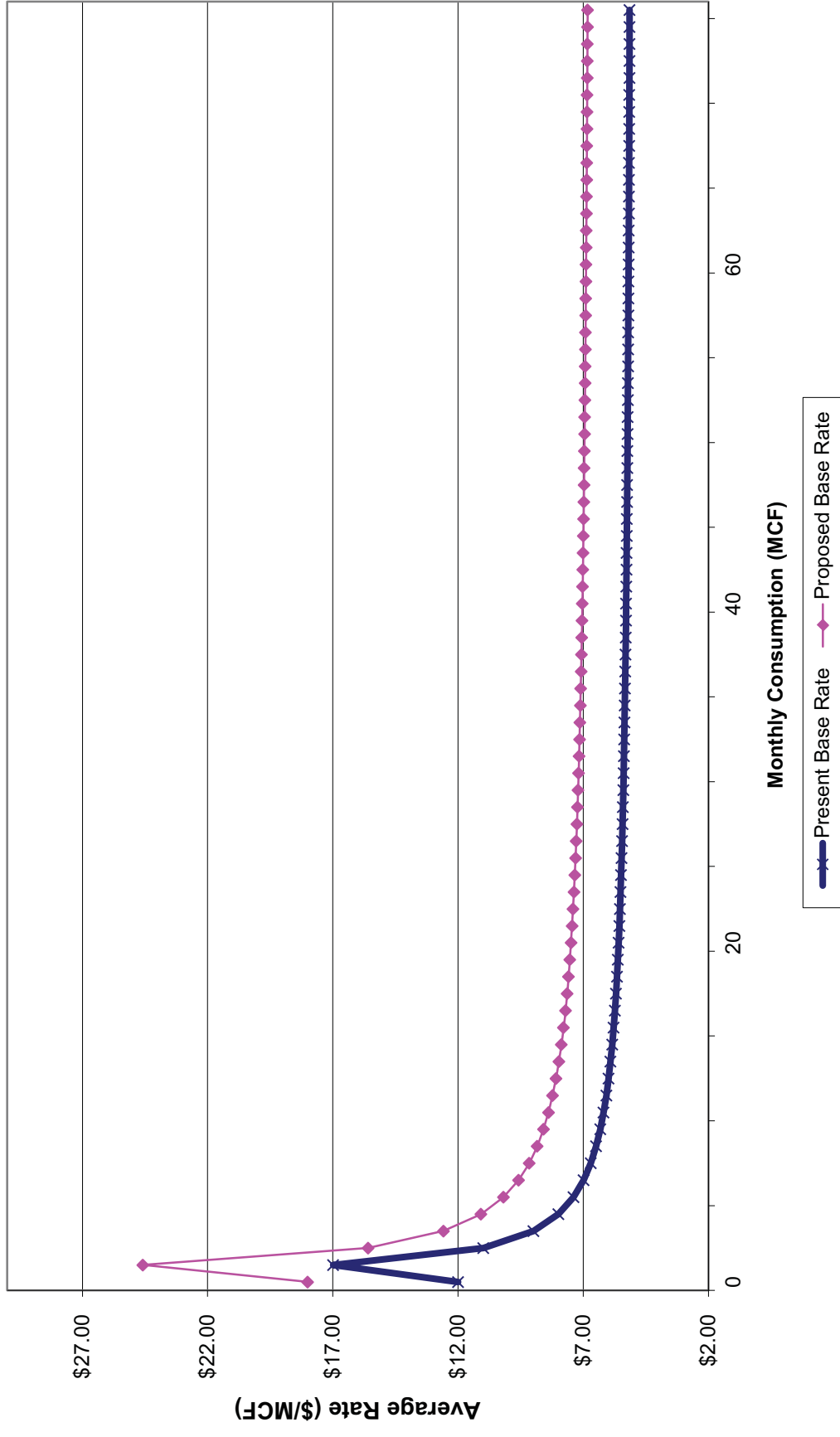
# PHILADELPHIA GAS WORKS PRESENT AND PROPOSED RATES

## 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.

Philadelphia Gas Works' Base Rate Filing

**IV. RATE STRUCTURE**

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

**RESPONSE:**

Please see PGW Statement No. 5 – Philip Q. Hanser 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 – Philip Q. Hanser 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.

Philadelphia Gas Works' Base Rate Filing

**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:**

Please see attached.



**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:**

Please see the attached schedule.

	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021
Degree Day	4,267	3,855	3,850	3,850	3,850
<b><u>NON-HEATING</u></b>					
RESIDENTIAL	447,057	401,593	374,830	348,114	321,246
RESIDENTIAL AC	-	-	-	-	-
CRP	18,607	17,904	18,477	19,064	19,639
COMMERCIAL	1,055,963	956,279	895,098	837,286	781,901
COMMERCIAL-AC	4,964	4,964	4,964	4,964	4,964
INDUSTRIAL	106,691	100,773	100,773	100,802	100,773
MUNICIPAL	134,847	126,280	126,280	126,328	126,280
MUNICIPAL-AC	1,704	1,704	1,704	1,704	1,704
NGV FIRM	1,766	1,766	1,766	1,766	1,766
TOTAL FIRM NON-HEATING	1,771,599	1,611,262	1,523,892	1,440,027	1,358,273
<b><u>INTERRUPTIBLE</u></b>					
BPS-SMALL	-	-	-	-	-
BPS-LARGE	-	-	-	-	-
BPS-H	-	-	-	-	-
BPS-AC	-	-	-	-	-
LBS-XL-D	-	-	-	-	-
LBS-XL-I	-	-	-	-	-
LBS-L-D	-	-	-	-	-
LBS-L-I	-	-	-	-	-
LBS-S-INDIRECT	-	-	-	-	-
LNG SALES	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
COGEN	16,714	16,714	16,714	16,714	16,714
GTS SALES	-	-	-	-	-
NGV	-	-	-	-	-
TOTAL INTERRUPTIBLE	1,016,714	1,016,714	1,016,714	1,016,714	1,016,714
TOTAL NON-HEATING	2,788,312	2,627,976	2,540,606	2,456,741	2,374,987
<b><u>HEATING</u></b>					
RESIDENTIAL	28,896,242	26,897,882	26,800,485	26,715,320	26,609,812
RESIDENTIAL-AC	-	-	-	-	-
CRP	7,413,903	7,103,526	7,311,355	7,522,393	7,728,966
HOUSING AUTHORITY-GS	178,236	166,265	166,265	166,325	166,265
COMMERCIAL	6,172,720	5,956,419	6,121,141	6,305,265	6,497,933
COMMERCIAL-AC	-	-	-	-	-
INDUSTRIAL	298,285	276,702	275,830	275,033	274,013
MUNICIPAL	490,752	454,537	453,338	452,335	450,939
PHA	46,926	43,384	41,915	40,455	38,976
TOTAL HEATING	43,497,063	40,898,715	41,170,329	41,477,127	41,766,904
TOTAL FIRM HTG & NON-HTG	45,268,661	42,509,977	42,694,221	42,917,154	43,125,178
GAS SALES	46,285,375	43,526,691	43,710,935	43,933,868	44,141,891
<b><u>FIRM TRANSPORT NON HEATING</u></b>					
RESIDENTIAL	-	-	-	-	-
COMMERCIAL	493,597	499,290	517,930	533,422	545,829
INDUSTRIAL	176,842	172,597	172,597	172,612	172,597
MUNICIPAL	62,137	58,837	58,837	58,855	58,837
NGV	4,343	4,343	4,343	4,343	4,343
TOTAL FT NON-HEATING	736,919	735,067	753,707	769,232	781,607
<b><u>FIRM TRANSPORT HEATING</u></b>					
RESIDENTIAL	-	-	-	-	-
COMMERCIAL	3,105,871	3,046,232	3,130,347	3,195,697	3,247,125
INDUSTRIAL	277,787	265,170	265,170	265,228	265,170
MUNICIPAL	389,458	359,365	359,365	359,537	359,365
HOUSING AUTHORITY	486,401	454,449	454,449	454,606	454,449
TOTAL FT HEATING	4,259,517	4,125,216	4,209,332	4,275,067	4,326,109
TOTAL FIRM TRANSPORT	4,996,436	4,860,283	4,963,039	5,044,299	5,107,716
TOTAL SALES & FIRM TRANSPORT	51,281,811	48,386,974	48,673,973	48,978,167	49,249,607
GTS TRANSPORT	26,892,829	27,393,512	28,308,679	29,278,868	30,132,155
TOTAL SALES & ALL TRANSPORT	78,174,640	75,780,486	76,982,652	78,257,035	79,381,762

**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:**

Please see the attached schedule.



Gas Deliveries

	<u>Fiscal 2015</u>	<u>Fiscal 2016</u>
<b>NON-HEATING:</b>		
Residential	502,881	425,762
Residential - A/C	0	0
Commercial	1,161,072	952,376
Commercial - A/C	4,045	4,977
Industrial	110,370	82,545
Municipal	127,247	98,911
Municipal - A/C	2,307	2,476
Housing Authority	0	0
NGV Firm	<u>4,101</u>	<u>1,482</u>
Total Firm Non-heating	1,912,023	1,568,529
<b>Interruptible-Commercial &amp; Industrial</b>		
BPS -S indirect	3,160	0
BPS -O indirect	2,830	0
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	6,113	23,064
GTS - retail sales	3,401	4,926
GTS - Imbalance Sales	<u>0</u>	<u>0</u>
LNG	498,606	9,919
Sub total Interruptible	<u>514,110</u>	<u>37,909</u>
<b>TOTAL NON-HEATING</b>	<b>2,426,133</b>	<b>1,606,438</b>
<b>Heating:</b>		
Residential	38,523,282	30,178,712
Residential - A/C		
Commercial	6,496,209	5,149,139
Commercial - A/C	1	
Industrial	363,321	249,507
Municipal	524,708	417,022
Municipal - A/C		
Housing Authority	<u>596,880</u>	<u>120,932</u>
Total Heating	46,504,401	36,115,312
<b>FT Non-heating:</b>		
FT Residential	1,217	1,145
FT Commercial	495,121	433,265
FT Industrial	194,696	172,263
FT Municipal	73,310	56,637
FT NGV		<u>3,938</u>
Sub-total FT Non Heat	764,344	667,248
<b>FT Heating:</b>		
FT Residential	47,367	40,884
FT Commercial	2,840,332	2,543,373
FT Industrial	241,706	221,856
FT Municipal	400,150	293,381
FT Housing Authority		<u>356,605</u>
Sub-total FT heating	3,529,555	3,456,099
<b>Total Firm Transportation</b>	<b>4,293,899</b>	<b>4,123,347</b>
Unbilled adjustment	19,916	33,433
(+) Utility Use	343,324	233,115
Gas transportation	26,004,202	24,100,502
Total Delivered	79,591,875	66,212,147
Unaccounted for	<u>2,445,719</u>	<u>1,738,806</u>
Total Delivered	82,037,594	67,950,953

Gas Sources

Storage Withdrawals	12,235,116	10,200,881
LNG Vaporization	2,237,726	1,258,905
Gas Transport	26,414,319	24,484,616
Pipeline	<u>41,150,433</u>	<u>32,006,551</u>
<b>TOTAL SOURCES</b>	<b>82,037,594</b>	<b>67,950,953</b>

**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 2015-2016 1307(f) case, Docket No. R-2015-2465656, comprised of its exhibits and testimony filed on February 1, 2015, and March 1, 2015, with rates effective through August 2016.

PGW hereby incorporates by reference its 2016-2017 1307(f) case, Docket No. R-2016-2526700, comprised of its exhibits and testimony filed on February 1, 2016, and March 1, 2016, with rates effective through August 2017.

PGW hereby incorporates by reference its 2017-2018 1307(f) case, Docket No. R-2017-2587526, comprised of its exhibits and testimony filed on February 1, 2017, and (to be filed on) March 1, 2017, with rates to be effective from September 1, 2017, through August 31, 2018.

Copies of the filings can be provided upon request.

Additionally, please see the attached quarterly filing updates of purchased gas costs as follows:

- R-2015-2465656
  - 1<sup>st</sup> Quarter Filing – December 1, 2015
  - 2<sup>nd</sup> Quarter Filing – March 1, 2016
  - 3<sup>rd</sup> Quarter Filing – June 1, 2016
  - 4<sup>th</sup> Quarter Filing – September 1, 2016
  
- R-2016-2526700
  - 1<sup>st</sup> Quarter Filing – December 1, 2016

**ECKERT  
SEAMANS**  
ATTORNEYS AT LAW

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November 30, 2015

**Via Hand Delivery**

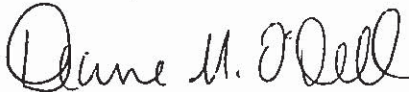
Rosemary Chiavetta, Secretary  
PA Public Utility Commission  
P.O. Box 3265  
Harrisburg, PA 17105-3265

Re: Pa. PUC v. Philadelphia Gas Works (1<sup>st</sup> Quarter 2015-2016 GCR Tariff Supplements)  
Docket No.: R-2015-2465656

Dear Secretary Chiavetta:

On behalf of Philadelphia Gas Works ("PGW"), enclosed please find PGW Gas Service Tariff, Pa. P.U.C. No. 2 Supplement 88; and, PGW Gas Supplier Tariff, Pa. P.U.C. No. 1 Supplement No. 63 which implement PGW's 1<sup>st</sup> Quarter 2015-2016 Gas Cost Rate ("GCR").

Sincerely,



Deanne M. O'Dell  
DMO/lww  
Enclosure

cc: Cert. of Service w/enc  
Raquel Guzman, VP Legal & Associate General Counsel, PGW  
Marissa Boyle (maboyle@pa.gov)

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# SUPPORTING SCHEDULES

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**1<sup>ST</sup> QUARTER FILING - DECEMBER 1, 2015**

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**Philadelphia Gas Works**  
**Levelized Gas Cost Rate**  
1st Qtr Filing - December 1, 2015

Formula:  
GCR = SSC + GAC - IRC

where:

	<u>Demand</u>	<u>Commodity</u>	<u>Total</u>	
S = Firm Sales (Mcf)			46,054,988	Schedule 2
<hr/>				
Net Natural Gas Expense	\$ 58,175,160	\$ 114,516,293	\$ 172,691,453	
Purchased Electric & Misc Expenses	\$ -	\$ 841,230	\$ 841,230	
Total Natural Gas Expense	\$ 58,175,160	\$ 115,357,523	\$ 173,532,683	Schedule 3
C-Factor Reconciliation	\$ 6,987,833	\$ 1,375,470	\$ 8,363,303	Schedule 7(b)
C = Total Applicable GCR Expense	\$ 65,162,994	\$ 116,732,993	\$ 181,895,987	
SSC = C / S	\$ 1.4149	\$ 2.5346	\$ 3.9495	
<hr/>				
Adjustment For:				
E-Factor Volumes (Mcf)			40,612,366	
E-Factor Reconciliation	\$ (3,602,526)	\$ (3,965,806)	\$ (7,568,331)	Schedule 7(c)
E = E-Factor	\$ (0.0887)	\$ (0.0977)	\$ (0.1864)	
<hr/>				
Interruptible Revenue Credit			\$ 41,965	Schedule 4(a)
IRC = Interruptible Revenue Credit / S			\$ 0.0009	
<hr/>				
Net Applicable GCR Expenses = C + E - Interruptible Revenue Credit			\$ 174,285,691	
<u>GCR = SSC + GAC - IRC</u>			\$ 3.7622	
<hr/>				
SSC in effect 12/01/15	\$ 1.3901	\$ 2.4903	\$ 3.8804	
GAC in effect 12/01/15	\$ (0.0886)	\$ (0.0975)	\$ (0.1861)	
IRC in effect 12/01/15			\$ (0.0009)	
GCR in effect 12/01/15			\$ 3.6934	Schedule 8
<hr/>				
Recovery Test on:				
Firm Sales (Mcf)			46,054,988	
= GCR Projected Recovery		\$	172,234,660	
= Load Balancing Revenue		\$	1,074,526	
= LNG Sales Demand Revenue		\$	978,849	
= Total Projected Recovery		\$	174,288,035	Schedule 8
Compared To				
Net Applicable GCR Expenses		\$	174,285,691	
= Net Over/(Under) Recovery		\$	2,345	
<hr/>				
Degree Days			4,237	



## Philadelphia Gas Works

## Price To Compare (\$ / MCF)

December 1, 2015

	<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>
Residential GS	\$3.6934	(\$0.1870)	\$3.8804	4.68%	\$0.1729	\$0.0400	(\$0.1861)	\$3.9072
Commercial GS	\$3.6934	(\$0.1870)	\$3.8804	0.28%	\$0.0103	\$0.0400	(\$0.1861)	\$3.7446
Industrial GS	\$3.6934	(\$0.1870)	\$3.8804	0.30%	\$0.0111	\$0.0400	(\$0.1861)	\$3.7454
Phila. Housing Authority (PHA)	\$3.6934	(\$0.1870)	\$3.8804	0%	\$0.0000	\$0.0400	(\$0.1861)	\$3.7343
Municipal (MS)	\$3.6934	(\$0.1870)	\$3.8804	0%	\$0.0000	\$0.0400	(\$0.1861)	\$3.7343
NGV Firm	\$3.6934	(\$0.1870)	\$3.8804	0%	\$0.0000	\$0.0400	(\$0.1861)	\$3.7343
Phila. Housing Authority (GS)	\$3.6934	(\$0.1870)	\$3.8804	0%	\$0.0000	\$0.0400	(\$0.1861)	\$3.7343

SALES & VOLUMES

DECEMBER 2015 THROUGH NOVEMBER 2016

MONTH	FIRM		BILLED SALES 3 = (1 - 2)	INTERRUPTIBLE SALES 4	LNG SALES 4A	AIR CONDITIONING SALES 4B	GCR FIRM SALES 5 = (3 - 4 - 4A - 4B)	SENIOR CITIZEN DISCOUNT SALES 6	APPLICABLE VOLUMES 7 = (5 - 6 + 2)
	TOTAL VOLUMES 1	TRANSPORT VOLUMES 2							
DECEMBER 2015	6,524,705	601,606	5,923,099	116	-	-	5,922,983	39,097	6,485,492
JANUARY 2016	10,357,452	804,413	9,553,039	115	-	-	9,552,924	64,722	10,292,615
FEBRUARY	9,218,093	706,999	8,511,094	108	29,000	-	8,481,986	56,620	9,132,364
MARCH	7,197,691	566,023	6,631,669	115	31,000	-	6,600,553	42,943	7,123,633
APRIL	4,820,540	365,192	4,455,349	112	75,000	-	4,380,237	27,890	4,717,539
MAY	2,367,888	217,762	2,150,126	115	77,500	47	2,072,464	11,879	2,278,347
JUNE	1,430,462	174,924	1,255,538	112	75,000	2,363	1,178,063	5,429	1,347,559
JULY	1,309,324	166,427	1,142,897	115	77,500	3,443	1,061,840	4,680	1,223,586
AUGUST	1,169,464	148,331	1,021,133	115	77,500	2,971	940,548	4,100	1,084,779
SEPTEMBER	1,174,294	153,115	1,021,179	111	82,192	2,098	936,778	3,961	1,085,932
OCTOBER	1,824,542	232,525	1,592,017	115	84,932	539	1,506,432	7,000	1,731,957
NOVEMBER	3,906,565	404,082	3,502,483	111	82,192	-	3,420,180	18,288	3,805,974
TOTAL	51,301,022	4,541,398	46,759,624	1,360	691,815	11,461	46,054,988	286,610	50,309,776

**Projected Applicable Fuel Expense  
SUMMARY  
FY 2015-2016 1st Quarter Filing**

	DECEMBER 2015	JANUARY 2016	FEBRUARY 2016	MARCH 2016	APRIL 2016	MAY 2016	JUNE 2016	JULY 2016	AUGUST 2016	SEPTEMBER 2016	OCTOBER 2016	NOVEMBER 2016	TOTAL
NATURAL GAS BILLED	\$4,922,373	\$4,922,373	\$4,947,677	\$4,862,940	\$4,656,081	\$4,629,997	\$4,629,997	\$4,629,997	\$4,629,997	\$5,089,600	\$5,077,966	\$5,150,079	\$58,175,160
DEMAND CHARGE	\$14,637,975	\$16,242,332	\$10,434,552	\$10,965,103	\$9,124,542	\$7,643,201	\$5,632,052	\$5,244,223	\$5,287,719	\$5,738,865	\$9,796,974	\$10,027,841	\$110,775,377
COMMODITY CHARGE	\$19,560,348	\$21,164,705	\$15,382,229	\$15,828,044	\$13,780,623	\$12,273,198	\$10,288,133	\$9,874,220	\$9,917,716	\$10,828,465	\$14,874,940	\$15,177,919	\$168,950,538
TOTAL NATURAL GAS BILLED	\$282	\$296	\$285	\$282	\$255	\$363	\$5,284	\$7,782	\$6,801	\$4,969	\$1,644	\$273	\$28,516
INTERRUPTIBLE & A/C CREDIT	120	119	111	119	115	188	2,554	3,672	3,184	2,280	675	115	13,232
SENDOUT VOLUME IN MCF	1,056	1,056	1,056	1,056	1,056	1,056	1,056	1,056	1,056	1,056	1,056	1,056	1,056
DKT CONVERSION FACTOR	\$2.2351	\$2.3536	\$2.4206	\$2.2423	\$2.0971	\$2.0516	\$1.9592	\$2.0072	\$2.0224	\$2.0637	\$2.3061	\$2.2530	\$2.2530
PRICE \$/DKT	\$123,819	\$163,404	\$182,187	\$145,665	\$74,981	\$17,176	\$18,368	\$10,964	\$17,611	\$22,872	\$31,824	\$65,012	\$873,883
GAS USED FOR UTILITY	\$0	\$0	\$0	\$0	\$2,562,684	(\$3,532,769)	(\$3,384,207)	(\$3,309,414)	(\$3,338,335)	(\$3,203,071)	(\$3,025,823)	\$0	(\$22,356,304)
NATURAL GAS TO STORAGE	\$4,288,288	\$6,001,914	\$9,719,633	\$4,792,144	\$1,313,484	\$0	\$0	\$0	\$0	\$0	\$0	\$2,584,228	\$28,699,691
FROM STORAGE	\$273,667	\$418,991	\$322,845	\$132,930	\$3,200	\$0	\$0	\$0	\$0	\$0	\$0	\$44,107	\$1,195,740
FT FROM STORAGE	\$4,288,288	\$6,001,914	\$9,719,633	\$4,792,144	(\$1,248,200)	(\$3,384,207)	(\$3,309,414)	(\$3,309,414)	(\$3,338,335)	(\$3,203,071)	(\$3,025,823)	\$2,584,228	\$6,343,387
NET NATURAL GAS STORAGE	(\$661,043)	(\$124,509)	(\$251,247)	(\$1,127,289)	(\$852,431)	(\$689,790)	(\$413,729)	\$0	\$0	(\$166,872)	(\$814,240)	(\$1,031,261)	(\$6,122,412)
LNG TO STORAGE	\$382,027	\$1,044,989	\$1,024,847	\$357,950	\$491,154	\$493,974	\$470,384	\$482,802	\$482,802	\$490,264	\$503,782	\$479,104	\$6,684,071
FROM LNG PGW	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
FT FROM LNG	(\$299,016)	\$920,481	\$773,600	(\$769,339)	(\$361,276)	(\$195,816)	\$56,655	\$482,802	\$482,802	\$333,382	(\$510,458)	(\$552,156)	\$561,659
NET LNG STORAGE	\$0	\$0	\$101,825	\$108,509	\$256,065	\$256,479	\$243,458	\$249,287	\$249,287	\$264,378	\$272,333	\$260,112	\$2,281,731
LNG SALES FROM LNG TANK	0	0	29,000	31,000	75,000	77,500	75,000	77,500	77,500	82,192	84,932	82,192	691,815
SENDOUT VOLUMES (MCF)	\$3,5448	\$3,5177	\$3,5112	\$3,5003	\$3,4142	\$3,3094	\$3,2461	\$3,2166	\$3,2166	\$3,2166	\$3,2065	\$3,1647	\$3,1647
@ AVG LNG COMMODITY RATE	\$23,425,518	\$27,923,400	\$25,591,165	\$19,596,393	\$11,838,844	\$8,270,595	\$6,693,472	\$6,779,575	\$6,788,484	\$7,666,557	\$11,232,858	\$16,884,593	\$172,691,453
NET NATURAL GAS EXPENSE	\$23,425,518	\$27,923,400	\$25,591,165	\$19,596,393	\$11,838,844	\$8,270,595	\$6,693,472	\$6,779,575	\$6,788,484	\$7,666,557	\$11,232,858	\$16,884,593	\$172,691,453
APPLICABLE GCR EXPENSE	\$23,425,518	\$27,923,400	\$25,591,165	\$19,596,393	\$11,838,844	\$8,270,595	\$6,693,472	\$6,779,575	\$6,788,484	\$7,666,557	\$11,232,858	\$16,884,593	\$172,691,453
NET NATURAL GAS EXPENSE	\$19,574	\$111,537	\$97,034	\$82,055	\$57,294	\$43,421	\$36,597	\$43,093	\$36,603	\$29,183	\$52,579	\$47,261	\$716,230
PURCHASED ELECTRIC & MISC	\$0	\$125,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$125,000
PLANALYTICS	\$23,505,092	\$28,159,936	\$25,688,199	\$19,678,448	\$11,896,138	\$8,314,016	\$6,730,059	\$6,822,568	\$6,825,088	\$7,695,740	\$11,285,437	\$16,931,854	\$173,532,683
TOTAL APPLICABLE EXPENSES	5,922,983	9,552,924	8,481,986	6,600,553	4,380,237	2,072,464	1,178,063	1,061,840	940,548	936,778	1,506,432	3,420,180	46,054,988
TOTAL GCR FIRM SALES													

**INTERRUPTIBLE REVENUE CREDIT**  
**December 1, 2015**

Fiscal Year 2015 Reconciliation (8/31/15) \$ 33,111 Schedule 4(c)

<u>MONTH</u>	<u>IRC</u> <u>CREDIT</u>	<u>MARGIN</u>	
September-15	Actual \$ (679)	\$ 417	
October	Actual \$ (1,073)	\$ 11,721	
November	Estimated \$ (2,637)	\$ 84	
Act/Est IRC Credit September 2015 to November 2015	<u>\$ (4,389)</u>		
Act/Est Margin September 2015 to November 2015		<u>\$ 12,222</u>	\$ 12,222
FY 2015 Reconciliation Plus Act/Est Margin September 2015 to November 2015			<u>\$ 45,334</u>
<hr/>			
FY 2015 Reconciliation Plus Act/Est Margin September 2015 to November 2015			\$ 45,334
Act/Est IRC Credit September 2015 to November 2015			<u>\$ (4,389)</u>
Reconciliation as of November 30, 2015			\$ 40,945
Margin - December 2015 through November 2016			<u>\$ 1,020</u> Schedule 4(b)
December 1, 2015 Interruptible Revenue Credit			\$ 41,965
<hr/>			
GCR Firm Sales			<b>46,054,988</b> Schedule 2
<hr/>			
December 1, 2015 IRC/Mcf			\$ 0.0009

**INTERRUPTIBLE REVENUE MARGIN**  
**1ST QTR FILING**

<u>MONTH</u>			<u>MARGIN</u>
December-15	Estimated	\$	87
January-16	Estimated	\$	86
February	Estimated	\$	81
March	Estimated	\$	86
April	Estimated	\$	84
May	Estimated	\$	86
June	Estimated	\$	84
July	Estimated	\$	86
August	Estimated	\$	86
September	Estimated	\$	83
October	Estimated	\$	86
November	Estimated	\$	83
Total		\$	<u>1,020</u>

**INTERRUPTIBLE REVENUE CREDIT**  
**FY 2015**

*Fiscal Year 2014 Reconciliation (8/31/14)* \$ (249,894)

<u>MONTH</u>	<u>IRC</u> <u>CREDIT</u>	<u>MARGIN</u>	
September-14	Actual \$ 4,839	\$ 13,329	
October	Actual \$ 6,274	\$ 18,824	
November	Actual \$ 15,342	\$ 28,089	
December	Actual \$ 26,590	\$ 14,728	
January-15	Actual \$ 26,324	\$ 22,004	
February	Actual \$ 30,673	\$ 32,710	
March	Actual \$ 18,641	\$ -	
April	Actual \$ 5,053	\$ 13,779	
May	Actual \$ 1,999	\$ 3,431	
June	Actual \$ 174	\$ 124	
July	Actual \$ (689)	\$ 708	
August	Actual \$ (651)	\$ 710	
Actual IRC Credit September 2014 to August 2015	<u>\$ 134,569</u>		
Actual Margin September 2014 to August 2015		<u>\$ 148,437</u>	<u>\$ 148,437</u>
FY 2014 Reconciliation Plus Actual Margin September 2014 to August 2015			<u>\$ (101,458)</u>
<hr/>			
FY 2014 Reconciliation Plus Actual Margin September 2014 to August 2015			\$ (101,458)
Actual IRC Credit September 2014 to August 2015			<u>\$ 134,569</u>
Reconciliation as of August 31, 2015			\$ 33,111



**CALENDAR YEAR 2014  
PHILADELPHIA GAS WORKS  
INTEREST RATE CALCULATION**

MONTH.	NET COST OF FUEL 1 (\$)	C FACTOR			INTEREST RATE 4 (\$)
		% of GCR REVENUE BILLED 2 (\$)	OVER/ (UNDER) RECOVERY 3 = (2 - 1) (\$)	INTEREST RATE 4 (\$)	
JANUARY 2014	57,443,177	48,009,109	(9,434,068)		
FEBRUARY	50,964,979	54,239,390	3,274,411		
MARCH	46,529,237	49,022,098	2,492,861		
APRIL	15,631,353	29,712,433	14,081,080		
MAY	15,621,071	13,568,658	(2,052,413)		
JUNE	7,255,770	8,177,775	922,005		
JULY	5,873,858	6,816,944	943,086		
AUGUST	9,199,583	6,204,698	(2,994,886)		
SEPTEMBER	10,246,576	6,238,589	(4,007,988)		
OCTOBER	11,229,571	6,939,243	(4,290,328)		
NOVEMBER	27,711,117	16,838,709	(10,872,409)		
DECEMBER	33,850,408	36,140,928	2,290,520		
Total	291,556,701	281,908,572	(9,648,129)	6%	



**FISCAL YEAR 2015  
PHILADELPHIA GAS WORKS  
INTEREST CALCULATION**

MONTH	NET COST OF FUEL <sup>(1)</sup>	TOTAL C FACTOR REVENUE BILLED <sup>(1)</sup>	OVER/ (UNDER) RECOVERY	INTEREST RATE <sup>(2)</sup>	TIME FACTOR	INTEREST EXPENSE 6=(3*4*5)	INTEREST NATURAL GAS REFUNDS <sup>(3)</sup>	TOTAL INTEREST 8=(6+7)
	1	2	3=(2-1)	4	5	6	7	8
	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)
SEPTEMBER 14	10,246,576	6,238,589	(4,007,888)	6%	18/12	(360,719)	-	(360,719)
OCTOBER	11,229,571	6,939,243	(4,290,328)	6%	17/12	(364,678)	-	(364,678)
NOVEMBER	27,711,117	16,838,709	(10,872,409)	6%	16/12	(869,793)	-	(869,793)
DECEMBER	33,850,408	36,140,928	2,290,520	6%	15/12	171,789	-	171,789
JANUARY 15	44,475,311	46,898,006	2,422,695	6%	14/12	169,589	-	169,589
FEBRUARY	49,443,136	54,569,367	5,126,231	6%	13/12	333,205	-	333,205
MARCH	31,185,138	44,760,816	13,575,678	6%	12/12	814,541	-	814,541
APRIL	11,837,315	22,304,657	10,467,342	6%	11/12	575,704	-	575,704
MAY	8,878,270	8,871,471	(6,799)	6%	10/12	(340)	-	(340)
JUNE	6,006,339	5,082,417	(923,922)	6%	9/12	(41,576)	-	(41,576)
JULY	6,929,530	4,254,596	(2,674,934)	6%	8/12	(106,997)	-	(106,997)
AUGUST	6,719,769	4,027,065	(2,692,704)	6%	7/12	(94,245)	-	(94,245)
Total	248,512,480	256,925,863	8,413,382			226,479	-	226,479
<b>TOTAL INTEREST</b>								<b>226,479</b>

(1) See Schedule 6(b)

(2) See Schedule 5(a)

(3) See Schedule 5(c)

**FISCAL YEAR 2015  
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 14	0	6%	18/12	0
OCTOBER	0	6%	17/12	0
NOVEMBER	0	6%	16/12	0
DECEMBER	0	6%	15/12	0
JANUARY 15	0	6%	14/12	0
FEBRUARY	0	6%	13/12	0
MARCH	0	6%	12/12	0
APRIL	0	6%	11/12	0
MAY	0	6%	10/12	0
JUNE	0	6%	9/12	0
JULY	0	6%	8/12	0
AUGUST	0	6%	7/12	0
TOTAL	0			0

(1) See Schedule 6(b)

**FISCAL YEAR 2015  
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 REFUNDS (3) 9 (\$)	TOTAL INTEREST 10=(8+9) (\$)
SEPTEMBER 14	(4,007,986)	(3,440,281)	(567,707)	6%	18/12	(309,625)	(51,094)	(360,719)	0	(360,719)
OCTOBER	(4,290,328)	(3,091,684)	(1,198,644)	6%	17/12	(262,793)	(101,885)	(364,678)	0	(364,678)
NOVEMBER	(10,872,409)	(770,974)	(10,101,435)	6%	16/12	(61,678)	(808,115)	(869,793)	0	(869,793)
DECEMBER	2,290,520	4,389,390	(2,098,870)	6%	15/12	329,204	(157,415)	171,789	0	171,789
JANUARY 15	2,422,695	7,067,708	(4,645,012)	6%	14/12	494,740	(325,151)	169,589	0	169,589
FEBRUARY	5,126,231	8,723,666	(3,597,435)	6%	13/12	567,038	(233,833)	333,205	0	333,205
MARCH	13,575,678	5,958,512	7,617,165	6%	12/12	357,511	457,030	814,541	0	814,541
APRIL	10,467,342	144,954	10,322,388	6%	11/12	7,973	567,731	575,704	0	575,704
MAY	(6,799)	(3,220,471)	3,213,672	6%	10/12	(161,024)	160,684	(340)	0	(340)
JUNE	(923,922)	(3,764,138)	2,840,216	6%	9/12	(169,386)	127,810	(41,576)	0	(41,576)
JULY	(2,674,934)	(3,771,887)	1,096,953	6%	8/12	(150,875)	43,878	(106,997)	0	(106,997)
AUGUST	(2,692,704)	(4,142,333)	1,449,629	6%	7/12	(144,982)	50,737	(94,245)	0	(94,245)
<b>TOTAL FY 2015</b>	<b>8,413,382</b>	<b>4,082,462</b>	<b>4,330,921</b>			<b>496,102</b>	<b>(269,623)</b>	<b>226,479</b>	<b>0</b>	<b>226,479</b>

- (1) See Schedule 5(b)
- (2) See Schedule 6(e)
- (3) See Schedule 5(c)

ACTUAL DATA - FISCAL YEAR 2015  
PHILADELPHIA GAS WORKS

Rate	Split Month		Split Month		Split Month		Split Month		Split Month	
	7/1/2014	9/1/2014	10/1/2014	12/1/2014	1/1/2015	3/1/2015	4/1/2015	6/1/2015	7/1/2015	7/1/2015
SSC in Effect	\$ 6,6635	\$ 6,1070	\$ 5,5605	\$ 5,6090	\$ 5,6674	\$ 5,0328	\$ 4,3982	\$ 4,3184	\$ 4,2385	\$ 4,2385
GAC in Effect	\$ (0,1040)	\$ 0,1037	\$ 0,3114	\$ 0,3192	\$ 0,3270	\$ 0,3169	\$ 0,3067	\$ 0,1205	\$ (0,0657)	\$ (0,0657)
IRC in Effect	\$ 0,0047	\$ 0,0049	\$ 0,0051	\$ 0,0042	\$ 0,0032	\$ 0,0021	\$ 0,0010	\$ 0,0002	\$ (0,0007)	\$ (0,0007)
Total Effective	\$ 6,5642	\$ 6,2166	\$ 5,8670	\$ 5,9323	\$ 5,9976	\$ 5,3518	\$ 4,7059	\$ 4,4390	\$ 4,1721	\$ 4,1721
Percentage of Total	101.5%	98.3%	94.6%	94.5%	94.5%	94.0%	93.5%	97.3%	101.6%	101.6%
E-Factor	-1.6%	1.7%	5.3%	5.4%	5.5%	5.9%	6.5%	2.7%	-1.6%	-1.6%
IRC-Factor	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

C-Factor	E-Factor		Interest		FY 2014				
	Over/(Under)	Over/(Under)	Over/(Under)	Final E-Factor	Final E-Factor	Final E-Factor			
Demand Charge in Effect	\$ 0,9822	\$ 1,1263	\$ 1,2704	\$ 1,3366	\$ 1,4027	\$ 1,1953	\$ 0,9879	\$ 0,9192	\$ 0,8504
Commodity in Effect	\$ 5,6813	\$ 4,9807	\$ 4,2801	\$ 4,2724	\$ 4,2647	\$ 3,8375	\$ 3,4103	\$ 3,3992	\$ 3,3881
Total	\$ 6,6635	\$ 6,1070	\$ 5,5505	\$ 5,6090	\$ 5,6674	\$ 5,0328	\$ 4,3982	\$ 4,3184	\$ 4,2385
Percentage of Total	14.7%	18.4%	22.9%	23.8%	24.8%	23.8%	22.5%	21.3%	20.1%
Demand Charge in Effect	85.3%	81.6%	77.1%	76.2%	75.2%	76.2%	77.5%	78.7%	79.9%
Commodity in Effect	100%	100%	100%	100%	100%	100%	100%	100%	100%

Fiscal Year 2014 E-Factor  
 C-Factor Over/(Under) \$ (13,421,204)  
 E-Factor Over/(Under) \$ (12,3002)  
 Interest Over/(Under) \$ (1,021,951)  
 FY 2014 Final E-Factor \$ (14,465,457)

Actual	Sep-2014		Oct-2014		Nov-2014		Dec-2014		Jan-2015		Feb-2015		Mar-2015		Apr-2015		May-2015		Jun-2015		Jul-2015		Aug-2015		FY-2015			
	Actual	Over/(Under)	Actual	Over/(Under)	Actual	Over/(Under)	Actual	Over/(Under)	Actual	Over/(Under)	Actual	Over/(Under)	Actual	Over/(Under)	Actual	Over/(Under)	Actual	Over/(Under)	Actual	Over/(Under)	Actual	Over/(Under)	Actual	Over/(Under)	Totals	Totals		
GCR Firm Sales	985,610		1,231,063		3,009,779		6,408,636		8,228,767		9,585,393		8,863,287		5,040,612		1,998,491		981,686		1,151,587		23,220		925,163		48,410,074	
Migration Rider Sales	14,041		16,506		29,423		48,669		63,374		75,847		60,531		38,434		25,358		20,239		21,392		20,239		20,239		437,035	
GCR Revenue Billed	\$ 6,137,819	\$ 7,217,520	\$ 17,649,014	\$ 38,010,260	\$ 49,336,834	\$ 57,489,686	\$ 47,505,901	\$ 23,781,190	\$ 9,407,980	\$ 5,143,714	\$ 4,107,752	\$ 3,882,657	\$ 269,670,327	\$ 269,670,327	\$ 4,107,752	\$ 4,107,752	\$ 4,107,752	\$ 4,107,752	\$ 4,107,752	\$ 4,107,752	\$ 4,107,752	\$ 4,107,752	\$ 4,107,752	\$ 4,107,752	\$ 4,107,752	\$ 4,107,752	\$ 269,670,327	\$ 269,670,327
Migration Rider Revenue Billed	\$ 2,246	\$ 5,122	\$ 9,163	\$ 15,620	\$ 20,715	\$ 24,734	\$ 15,209	\$ 11,788	\$ 7,778	\$ 7,778	\$ 7,778	\$ 7,778	\$ 7,778	\$ 7,778	\$ 7,778	\$ 7,778	\$ 7,778	\$ 7,778	\$ 7,778	\$ 7,778	\$ 7,778	\$ 7,778	\$ 7,778	\$ 7,778	\$ 7,778	\$ 111,540	\$ 111,540	
*Load Balancing Billed	\$ 103,393	\$ 81,005	\$ 79,953	\$ 82,062	\$ 84,045	\$ 81,748	\$ 82,227	\$ 78,424	\$ 78,641	\$ 78,641	\$ 78,641	\$ 78,641	\$ 78,641	\$ 78,641	\$ 78,641	\$ 78,641	\$ 78,641	\$ 78,641	\$ 78,641	\$ 78,641	\$ 78,641	\$ 78,641	\$ 78,641	\$ 78,641	\$ 78,641	\$ 994,087	\$ 994,087	
LNG Sales Demand Charge Credit	\$ 104,617	\$ 30,073	\$ 61,832	\$ 120,419	\$ 193,385	\$ 163,048	\$ 3,912	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 677,286	\$ 677,286
Total Revenue Billed	\$ 6,348,075	\$ 7,333,720	\$ 17,799,961	\$ 38,226,361	\$ 49,634,978	\$ 57,769,216	\$ 47,607,250	\$ 23,871,402	\$ 9,494,399	\$ 5,223,987	\$ 4,187,321	\$ 3,964,570	\$ 271,453,240	\$ 271,453,240	\$ 4,187,321	\$ 4,187,321	\$ 4,187,321	\$ 4,187,321	\$ 4,187,321	\$ 4,187,321	\$ 4,187,321	\$ 4,187,321	\$ 4,187,321	\$ 4,187,321	\$ 4,187,321	\$ 4,187,321	\$ 271,453,240	\$ 271,453,240
Natural Gas Refunds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Demand Charges	\$ 4,758,384	\$ 4,766,704	\$ 4,736,382	\$ 4,378,554	\$ 4,752,213	\$ 4,966,561	\$ 4,721,914	\$ 4,913,090	\$ 5,273,421	\$ 4,913,090	\$ 4,913,090	\$ 4,913,090	\$ 4,913,090	\$ 4,913,090	\$ 4,913,090	\$ 4,913,090	\$ 4,913,090	\$ 4,913,090	\$ 4,913,090	\$ 4,913,090	\$ 4,913,090	\$ 4,913,090	\$ 4,913,090	\$ 4,913,090	\$ 4,913,090	\$ 5,011,707	\$ 5,011,707	
Supply Charges	\$ 5,488,192	\$ 6,462,867	\$ 22,974,735	\$ 29,471,854	\$ 39,723,098	\$ 44,476,575	\$ 26,463,224	\$ 6,924,225	\$ 3,604,849	\$ 3,604,849	\$ 3,604,849	\$ 3,604,849	\$ 3,604,849	\$ 3,604,849	\$ 3,604,849	\$ 3,604,849	\$ 3,604,849	\$ 3,604,849	\$ 3,604,849	\$ 3,604,849	\$ 3,604,849	\$ 3,604,849	\$ 3,604,849	\$ 3,604,849	\$ 3,604,849	\$ 1,708,082	\$ 1,708,082	
Net Cost of Fuel	\$ 10,246,576	\$ 11,229,571	\$ 27,711,117	\$ 33,850,408	\$ 44,475,311	\$ 49,443,136	\$ 31,185,138	\$ 11,837,315	\$ 8,878,270	\$ 8,878,270	\$ 8,878,270	\$ 8,878,270	\$ 8,878,270	\$ 8,878,270	\$ 8,878,270	\$ 8,878,270	\$ 8,878,270	\$ 8,878,270	\$ 8,878,270	\$ 8,878,270	\$ 8,878,270	\$ 8,878,270	\$ 8,878,270	\$ 8,878,270	\$ 8,878,270	\$ 6,719,769	\$ 6,719,769	

**FISCAL YEAR 2015  
PHILADELPHIA GAS WORKS  
C-FACTOR RECONCILIATION**

Schedule 6(b)

MONTH	NET COST OF FUEL 1 (\$)	TOTAL GCR REVENUE BILLED 2 (\$)	C FACTOR % of GCR 3	C FACTOR REVENUE BILLED 4 = (2 * 3) (\$)	LOAD BALANCING REVENUE 5 (\$)	LNG SALES GCR BILLED REVENUE 6 (\$)	TOTAL C FACTOR REVENUE BILLED 7 = (4 + 5 + 6) (\$)	NATURAL GAS REFUNDS 8 (\$)	OVER/ (UNDER) RECOVERY 9 = (7 + 8 - 1) (\$)	CUMULATIVE OVER/(UNDER) 10 (\$)
SEPTEMBER 2014	10,246,576	6,137,819	98.3%	6,030,578	103,393	104,617	6,238,589	0	(4,007,988)	(4,007,988)
OCTOBER	11,229,571	7,217,520	94.6%	6,828,165	81,005	30,073	6,939,243	0	(4,290,328)	(8,298,316)
NOVEMBER	27,711,117	17,649,014	94.6%	16,696,924	79,953	61,832	16,838,709	0	(10,872,409)	(19,170,725)
DECEMBER	33,850,408	38,010,260	94.5%	35,938,446	82,062	120,419	36,140,928	0	2,290,520	(16,880,204)
JANUARY 2015	44,475,311	49,336,834	94.5%	46,620,577	84,045	193,385	46,898,006	0	2,422,695	(14,457,509)
FEBRUARY	49,443,136	57,489,686	94.5%	54,324,571	81,748	163,048	54,569,367	0	5,126,231	(9,331,278)
MARCH	31,185,138	47,505,901	94.0%	44,674,676	82,227	3,912	44,760,816	0	13,575,678	4,244,399
APRIL	11,837,315	23,781,190	93.5%	22,226,233	78,424	0	22,304,657	0	10,467,342	14,711,742
MAY	8,878,270	9,407,980	93.5%	8,792,830	78,641	0	8,871,471	0	(6,799)	14,704,942
JUNE	6,006,339	5,143,714	97.3%	5,003,910	78,507	0	5,082,417	0	(923,922)	13,781,021
JULY	6,929,530	4,107,752	101.6%	4,173,128	81,468	0	4,254,596	0	(2,674,934)	11,106,086
AUGUST	6,719,769	3,882,657	101.6%	3,944,450	82,615	0	4,027,065	0	(2,692,704)	8,413,382
Totals	248,512,480	269,670,327		255,254,489	994,087	677,286	256,925,863	0	8,413,382	

**FISCAL YEAR 2015  
PHILADELPHIA GAS WORKS  
E-FACTOR RECONCILIATION**

MONTH	GCR SALES		MIGRATION RIDER SALES		TOTAL E-FACTOR VOLUMES		TOTAL GCR REVENUE BILLED		E-FACTOR % of GCR		E-FACTOR REVENUE BILLED		MIGRATION RIDER REVENUES		TOTAL E-FACTOR REVENUE		OVER/(UNDER) PROJECTED RECOVERY		
	1	2	3=(1+2)	4	5	6=(4*5)	7	8=(6+7)	9	10	11	12	13	14	15	16	17	18	
	(MCF)	(MCF)	(MCF)	(\$)		(\$)	(\$)	(\$)		(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	
PRIOR YEAR E-FACTOR																			
SEPTEMBER 2014	985,610	14,041	999,651	\$ 6,137,819	1.7%	\$ 102,402	\$ 2,246	\$ 104,648			\$ 14,350,809								
OCTOBER	1,231,063	16,506	1,247,569	\$ 7,217,520	5.3%	\$ 383,081	\$ 5,122	\$ 388,203			\$ (13,962,606)								
NOVEMBER	3,009,779	29,423	3,039,202	\$ 17,649,014	5.3%	\$ 936,748	\$ 9,163	\$ 945,911			\$ (13,016,695)								
DECEMBER	6,408,636	48,669	6,457,305	\$ 38,010,260	5.4%	\$ 2,045,223	\$ 15,620	\$ 2,060,843			\$ (10,955,852)								
JANUARY 2015	8,228,767	63,374	8,292,141	\$ 49,336,834	5.5%	\$ 2,689,933	\$ 20,715	\$ 2,710,648			\$ (8,245,204)								
FEBRUARY	9,585,393	75,847	9,661,240	\$ 57,489,686	5.5%	\$ 3,134,442	\$ 24,734	\$ 3,159,176			\$ (5,086,028)								
MARCH	8,853,287	60,531	8,923,818	\$ 47,505,901	5.9%	\$ 2,812,584	\$ 15,209	\$ 2,827,793			\$ (2,258,235)								
APRIL	5,040,612	38,434	5,079,046	\$ 23,781,190	6.5%	\$ 1,549,904	\$ 11,788	\$ 1,561,691			\$ (696,544)								
MAY	1,998,491	25,358	2,023,849	\$ 9,407,980	6.5%	\$ 613,151	\$ 7,778	\$ 620,929			\$ (75,615)								
JUNE	1,151,587	21,392	1,172,979	\$ 5,143,714	2.7%	\$ 139,630	\$ 1,766	\$ 141,396			\$ 65,781								
JULY	981,686	23,220	1,004,906	\$ 4,107,752	-1.6%	\$ (64,687)	\$ (1,899)	\$ (66,586)			\$ (804)								
AUGUST	925,163	20,239	945,402	\$ 3,882,657	-1.6%	\$ (61,142)	\$ (702)	\$ (61,844)			\$ (62,649)								
TOTAL	48,410,074	437,035	48,847,109	\$ 269,670,327		\$ 14,281,269	\$ 111,540	\$ 14,392,809			\$ (14,455,457)								



**FISCAL YEAR 2015  
PHILADELPHIA GAS WORKS  
IRC FACTOR REVENUE BILLED**

MONTH	TOTAL GCR REVENUE BILLED 1	IRC- FACTOR % of GCR 2	IRC-FACTOR REVENUE BILLED 3 = ( 1 * 2 )
	\$		\$
SEPTEMBER 2014	6,137,819	0.08%	4,839
OCTOBER	7,217,520	0.09%	6,274
NOVEMBER	17,649,014	0.09%	15,342
DECEMBER	38,010,260	0.07%	26,590
JANUARY 2015	49,336,834	0.05%	26,324
FEBRUARY	57,489,686	0.05%	30,673
MARCH	47,505,901	0.04%	18,641
APRIL	23,781,190	0.02%	5,053
MAY	9,407,980	0.02%	1,999
JUNE	5,143,714	0.00%	174
JULY	4,107,752	-0.02%	(689)
AUGUST	<u>3,882,657</u>	-0.02%	<u>(651)</u>
TOTALS	269,670,327		134,569



**FISCAL YEAR 2015  
PHILADELPHIA GAS WORKS  
RECONCILIATION OF DEMAND CHARGES**

MONTH	DEMAND CHARGES LESS LOAD BALANCING CHARGE REVENUE 1	DEMAND REVENUE BILLED 2	MONTHLY DEMAND OVER/(UNDER) 3 = (2 - 1)	CUMULATIVE DEMAND OVER/(UNDER) 4
	\$	\$	\$	\$
SEPTEMBER 2014	4,550,374	1,110,093	(3,440,281)	(3,440,281)
OCTOBER	4,655,626	1,563,942	(3,091,684)	(6,531,965)
NOVEMBER	4,594,597	3,823,623	(770,974)	(7,302,939)
DECEMBER	4,176,073	8,565,462	4,389,390	(2,913,549)
JANUARY 2015	4,474,784	11,542,491	7,067,708	4,154,159
FEBRUARY	4,721,765	13,445,431	8,723,666	12,877,824
MARCH	4,635,775	10,594,287	5,958,512	18,836,337
APRIL	4,834,666	4,979,621	144,954	18,981,291
MAY	5,194,780	1,974,309	(3,220,471)	15,760,820
JUNE	4,822,619	1,058,481	(3,764,138)	11,996,682
JULY	4,606,713	834,826	(3,771,887)	8,224,795
AUGUST	<u>4,929,092</u>	<u>786,759</u>	<u>(4,142,333)</u>	4,082,462
TOTALS	56,196,864	60,279,325	4,082,462	

ACTUAL / ESTIMATED DATA - FISCAL YEAR 2016  
PHILADELPHIA GAS WORKS

Rate	7/1/2015	9/1/2015	10/1/2015	12/1/2015	1/1/2016
SSC in Effect	\$ 4,2385	\$ 4,2506	\$ 4,2626	\$ 4,0715	\$ 3,8804
GAC in Effect	\$ (0.0657)	\$ (0.1276)	\$ (0.1894)	\$ (0.1878)	\$ (0.1861)
IRC in Effect	\$ (0.0007)	\$ (0.0008)	\$ (0.0008)	\$ (0.0009)	\$ (0.0009)
Total Effective	\$ 4,1721	\$ 4,1223	\$ 4,0724	\$ 3,8829	\$ 3,6934
<b>Percentage of Total</b>					
C-Factor	101.6%	103.1%	104.7%	104.9%	105.1%
E-Factor	-1.8%	-3.1%	-4.7%	-4.8%	-5.0%
IRC-Factor	0.0%	0.0%	0.0%	0.0%	0.0%
Total	100%	100%	100%	100%	100%

C-Factor	\$ 0.8504	\$ 1.0545	\$ 1.2586	\$ 1.3244	\$ 1.3901
Demand Charge in Effect	\$ 3,3881	\$ 3,1961	\$ 3,0040	\$ 2,7472	\$ 2,4903
Commodity in Effect	\$ 4,2385	\$ 4,2506	\$ 4,2626	\$ 4,0715	\$ 3,8804
<b>Percentage of Total</b>					
Demand Charge in Effect	20.1%	24.8%	29.5%	32.5%	35.8%
Commodity in Effect	79.9%	75.2%	70.5%	67.5%	64.2%
Total	100%	100%	100%	100%	100%

	C-Factor	E-Factor	Interest	FY 2015
	Over/(Under)	Over/(Under)	Over/(Under)	Final E-Factor
Fiscal Year 2015 E-Factor	\$ 8,413,382	\$ (62,649)	\$ 225,479	\$ 8,577,213

Actual	Sep-2015	Oct-2015
	Actual	Actual
Fiscal Year 2015-2016		
GCR Firm Sales	894,850	1,338,478
Migration Rider Sales	19,504	22,521
GCR Revenue Billed	\$ 3,730,053	\$ 5,461,240
Migration Rider Revenue Billed	\$ (2,811)	\$ (4,265)
Load Balancing Billed	\$ 80,989	\$ 78,091
LNG Sales Demand Charge Credit	\$ -	\$ -
Total Revenue Billed	\$ 3,808,230	\$ 5,535,066
Natural Gas Refunds	\$ -	\$ 6,382
Demand Charges	\$ 4,900,132	\$ 4,875,008
Supply Charges	\$ 2,457,185	\$ 5,858,891
Net Cost of Fuel	\$ 7,357,317	\$ 10,733,899

FISCAL YEAR 2016  
PHILADELPHIA GAS WORKS  
C-FACTOR RECONCILIATION

MONTH	NET COST OF FUEL 1 (\$)	TOTAL GCR REVENUE BILLED 2 (\$)	C FACTOR % of GCR 3	C FACTOR REVENUE BILLED 4 = (2 * 3) (\$)	LOAD BALANCING REVENUE 5 (\$)	LNG SALES GCR BILLED REVENUE 6 (\$)	TOTAL C FACTOR REVENUE BILLED 7 = (4 + 5 + 6) (\$)	NATURAL GAS REFUNDS 8 (\$)	OVER/ (UNDER) RECOVERY 9 = (7 + 8 - 1) (\$)	CUMULATIVE OVER/(UNDER) 10 (\$)
SEPTEMBER 2015	7,357,317	3,730,053	103.1%	3,846,146	80,989	0	3,927,135	0	(3,430,182)	(3,430,182)
OCTOBER	10,733,899	5,461,240	104.7%	5,716,305	78,091	0	5,794,395	6,382	(4,933,121)	(8,363,303)

**FISCAL YEAR 2016  
PHILADELPHIA GAS WORKS  
E-FACTOR RECONCILIATION**

PRIOR YEAR E-FACTOR MONTH	MIGRATION RIDER SALES		TOTAL E-FACTOR VOLUMES		TOTAL GCR REVENUE BILLED		E-FACTOR GCR REVENUE BILLED		MIGRATION RIDER REVENUES		TOTAL E-FACTOR REVENUE		OVER/(UNDER) PROJECTED RECOVERY	
	1	2	3=(1+2)	4	5	6=(4*5)	7	8=(6+7)	9					
	(MCF)	(MCF)	(MCF)	(\$)	%	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	
SEPTEMBER 2015	894,850	19,504	914,354	\$ 3,730,053	-3.1%	\$ (115,415)	\$ (2,811)	\$ (118,226)	\$ 8,458,987					
OCTOBER	Actual 1,338,478	22,521	1,360,999	\$ 5,451,240	-4.7%	\$ (253,992)	\$ (4,265)	\$ (258,257)	\$ 8,200,730					
NOVEMBER	Estimated 3,295,721	43,237	3,338,958	\$ 13,421,495	-4.7%	\$ (624,210)	\$ (8,189)	\$ (632,399)	\$ 7,568,331					
DECEMBER	Estimated 5,922,983	67,473	5,990,456	\$ 22,998,350		\$ (1,103,780)	\$ (12,574)	\$ (1,116,353)						
JANUARY	Estimated 9,552,924	90,219	9,643,143	\$ 35,282,770		\$ (1,780,238)	\$ (16,813)	\$ (1,797,051)						
FEBRUARY	Estimated 8,481,986	79,293	8,561,279	\$ 31,327,368		\$ (1,580,663)	\$ (14,777)	\$ (1,595,440)						
MARCH	Estimated 6,600,553	63,482	6,664,035	\$ 24,378,484		\$ (1,230,048)	\$ (11,830)	\$ (1,241,879)						
APRIL	Estimated 4,380,237	40,958	4,421,195	\$ 16,177,968		\$ (816,281)	\$ (7,633)	\$ (823,913)						
MAY	Estimated 2,072,464	24,423	2,096,887	\$ 7,654,439		\$ (386,215)	\$ (4,551)	\$ (390,766)						
JUNE	Estimated 1,178,063	19,619	1,197,682	\$ 4,351,058		\$ (219,538)	\$ (3,656)	\$ (223,194)						
JULY	Estimated 1,061,840	18,666	1,080,505	\$ 3,921,799		\$ (197,880)	\$ (3,478)	\$ (201,358)						
AUGUST	Estimated 940,548	16,636	957,184	\$ 3,473,819		\$ (175,276)	\$ (3,100)	\$ (178,376)						
TOTAL	40,191,599	420,768	40,612,366	149,566,055		(7,489,919)	(78,412)	(7,568,331)						

DECEMBER 1, 2015 E-FACTOR -0.1864

**FISCAL YEAR 2016  
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>
	\$		\$
SEPTEMBER 2015	3,730,053	-0.02%	(679)
OCTOBER	5,461,240	-0.02%	(1,073)

**FISCAL YEAR 2016  
PHILADELPHIA GAS WORKS  
RECONCILIATION OF DEMAND CHARGES**

MONTH	DEMAND CHARGES LESS LOAD BALANCING CHARGE REVENUE 1	DEMAND REVENUE BILLED 2	MONTHLY DEMAND OVER/(UNDER) 3 = (2 - 1)	CUMULATIVE DEMAND OVER/(UNDER) 4
	\$	\$	\$	\$
SEPTEMBER 2015	4,819,143	943,619	(3,875,524)	(3,875,524)
OCTOBER	4,796,917	1,684,608	(3,112,309)	(6,987,833)

**CALCULATION OF RECOVERED CHARGES**  
**1st Qtr Filing**  
**December 1, 2015**

	<u>50% December</u>	<u>11.5 Months</u>	<u>Total</u>
			(MCF)                      (\$)
S - Firm Sales (Mcf)	2,961,491	43,093,497	46,054,988
C-Factor	<u>\$ 4.2626</u>	<u>\$ 3.8804</u>	
Projected Recovery	12,623,653	167,220,005	\$ 179,843,659
 S - Firm Sales (Mcf)	 2,961,491	 43,093,497	 46,054,988
IRC-Factor	<u>\$ (0.0008)</u>	<u>\$ (0.0009)</u>	
Projected Recovery	(2,369)	(38,784)	\$ (41,153)
 E-Factor Volumes (Mcf)	 2,995,228	 37,617,138	 40,612,366
E-Factor	<u>\$ (0.1894)</u>	<u>\$ (0.1861)</u>	
Projected Recovery	(567,296)	(7,000,549)	\$ (7,567,846)
 GCR (\$ / Mcf)	 \$ 4.0724	 \$ 3.6934	
<hr/>			
GCR Projected Recovery			\$ 172,234,660
Load Balancing Revenue			\$ 1,074,526
LNG Sales Demand Revenue			<u>\$ 978,849</u>
 TOTAL PROJECTED RECOVERY			 \$ 174,288,035



**Change In Rates  
1st Quarter Filing  
Rates Effective December 1, 2015**

**Current Rates**

	<u>09/01/15</u> <u>Distribution Charge</u> (1)	<u>09/01/15</u> <u>GCR</u> (2)	<u>09/01/15</u> <u>MFC</u> (3)	<u>09/01/15</u> <u>GPC</u> (4)	<u>09/01/15</u> <u>Commodity</u> <u>Rate</u> (5)=(1)+(2)+(3)+(4)
Residential GS	\$7.6673	\$4.0724	\$0.1906	\$0.0400	\$11.9703
Commercial GS	\$6.2762	\$4.0724	\$0.0114	\$0.0400	\$10.4000
Industrial GS	\$6.1776	\$4.0724	\$0.0122	\$0.0400	\$10.3022
Phila.Housing Authority (PHA)	\$5.7879	\$4.0724	\$0.0000	\$0.0400	\$9.9003
Municipal (MS)	\$5.0196	\$4.0724	\$0.0000	\$0.0400	\$9.1320
Phila.Housing Authority (GS)	\$6.6047	\$4.0724	\$0.0000	\$0.0400	\$10.7171

**December 1, 2015 - Distribution Charge**

	<u>Delivery</u> <u>Charge</u> (6)	<u>Surcharges</u>				<u>Total</u> <u>Total</u> <u>Surcharges</u> (11)=(7)+(8)+(9)+(10)	<u>Distribution</u> <u>Charge / Mcf</u> (12)=(11)+(6)
		<u>Other Post</u> <u>Employment</u> <u>Benefit</u> (7)	<u>Efficiency</u> <u>Cost</u> <u>Recovery</u> (8)	<u>Universal</u> <u>Service &amp;</u> <u>Ener. Cons.</u> (9)	<u>Restructuring &amp;</u> <u>Consumer</u> <u>Education</u> (10)		
Residential GS	\$6.0067	\$0.3003	\$0.0027	\$1.0669	\$0.0061	\$1.3760	\$7.3827
Commercial GS	\$4.5984	\$0.3003	\$0.0446	\$1.0669	\$0.0061	\$1.4179	\$6.0163
Industrial GS	\$4.5332	\$0.3003	\$0.2262	\$1.0669	\$0.0061	\$1.5995	\$6.1327
Phila.Housing Authority (PHA)	\$4.1101	\$0.3003	\$0.0446	\$1.0669	\$0.0061	\$1.4179	\$5.5280
Municipal (MS)	\$3.3661	\$0.3003	\$0.0000	\$1.0669	\$0.0061	\$1.3733	\$4.7394
Phila.Housing Authority (GS)	\$4.9441	\$0.3003	\$0.0027	\$1.0669	\$0.0061	\$1.3760	\$6.3201

**Proposed Rates**

	<u>12/01/15</u> <u>Distribution Charge</u> (12)	<u>12/01/15</u> <u>GCR</u> (13)	<u>12/01/15</u> <u>MFC</u> (14)	<u>12/01/15</u> <u>GPC</u> (15)	<u>12/01/15</u> <u>Commodity</u> <u>Rate</u> (16)=(12)+(13)+(14)+(15)	<u>Difference</u> (17)=(16)-(5)
Residential GS	\$7.3827	\$3.6934	\$0.1729	\$0.0400	\$11.2890	(\$0.6813)
Commercial GS	\$6.0163	\$3.6934	\$0.0103	\$0.0400	\$9.7600	(\$0.6400)
Industrial GS	\$6.1327	\$3.6934	\$0.0111	\$0.0400	\$9.8772	(\$0.4250)
Phila.Housing Authority (PHA)	\$5.5280	\$3.6934	\$0.0000	\$0.0400	\$9.2614	(\$0.6389)
Municipal (MS)	\$4.7394	\$3.6934	\$0.0000	\$0.0400	\$8.4728	(\$0.6592)
Phila.Housing Authority (GS)	\$6.3201	\$3.6934	\$0.0000	\$0.0400	\$10.0535	(\$0.6636)

**PHILADELPHIA GAS WORKS**  
**December 1, 2015 - 1ST QTR FILING**  
**UNIVERSAL SERVICE & ENERGY CONSERVATION SURCHARGE**

	<u>Expenses in the Surcharge</u>
Enhanced Low Income Retrofit Program (ELIRP)	\$ 6,917,993
Customer Responsibility Program (CRP)	\$ 41,009,109
Senior Citizen Discount *	\$ 3,430,034
<u>November 2015 Under Collection</u>	<u>\$ 2,314,503</u>
Total \$ to be Recovered	\$ 53,671,638
 Total Applicable Volumes	 Mcf 50,307,525
 Universal Service & Energy Conservation Surcharge	 <u><u>\$ 1.0669</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 \$3,753,745.

**STATEMENT OF RECONCILIATION  
UNIVERSAL SERVICES & ENERGY CONSERVATION SURCHARGE  
SEPTEMBER 2015 THROUGH NOVEMBER 2015**

<u>Month</u>		USC	USC	USC	USC	USC	USC	Cumulative
FY 15 Reconciliation		Applicable	Charge	Revenue	Expenses	Over/(Under)	Over/(Under)	Over/(Under)
		Volumes		Billed		Recovery	Recovery	
September 2015	Actual	\$ 1,035,315	\$ 1,4187	\$ 1,468,750	\$ (1,940,513)	\$ 3,409,263		
October	Actual	\$ 1,530,956	\$ 1,3471	\$ 2,062,351	\$ (179,146)	\$ 2,241,497		(\$5,886,644)
November	Estimated	\$ 3,660,045	\$ 1,3471	\$ 4,930,447	\$ 3,599,803	\$ 1,330,644		(\$3,645,147)
								(\$2,314,503)
								(\$9,295,907)
<u>USC Expenses</u>		<u>Sep-15</u>	<u>Oct-15</u>	<u>Nov-15</u>				
ELIRP Expense		\$ 2,532	\$ 553,720	\$ 753,941				
ELIRP Labor		\$ 10,623	\$ 12,196	\$ 14,725				
CRP Discount		\$ (2,580,366)	\$ (1,452,007)	\$ 1,692,648				
CRP Forgiveness		\$ 533,280	\$ 561,291	\$ 842,174				
Senior Citizen Discount		\$ 93,418	\$ 145,654	\$ 296,316				
Bad Debt Expense Offset*		\$ -	\$ -	\$ -				
Total		\$ (1,940,513)	\$ (179,146)	\$ 3,599,803				

<u>CRP Participation</u>	
Rate Case Participation Rate	84,000
Actual Participation Rate*	58,958
CRP Under(Over) Participation	25,042
<u>Average Shortfall Per CRP Participant</u>	
CRP Discount	\$ (2,580,366)
Actual Participation Rate	58,958
Average Shortfall per CRP Participant	(44) \$ (25)
Shortfall*	\$ -
Bad Debt Expense Offset*	7.1%

\*Bad Debt Expense Offset Applicable When Actual CRP Participation Exceeds 84,000

**STATEMENT OF RECONCILIATION  
UNIVERSAL SERVICES & ENERGY CONSERVATION SURCHARGE  
SEPTEMBER 2014 THROUGH AUGUST 2015**

Month	USC Applicable Volumes	USC Charge	USC Revenue Billed	USC Expenses	Jan-15 Monthly Over/(Under) Recovery	Feb-15 Cumulative Over/(Under) Recovery	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Total
September 2014	1,120,161	\$ 1,6753	\$ 1,876,606	\$ (1,754,620)	\$ 3,631,226	\$ 4,970,153							
October	1,410,747	\$ 1,4642	\$ 2,065,616	\$ (942,460)	\$ 3,008,076	\$ 7,978,229							
November	3,310,333	\$ 1,4642	\$ 4,846,990	\$ 4,575,714	\$ 271,276	\$ 8,249,505							
December	6,897,688	\$ 1,2795	\$ 8,825,247	\$ 12,729,386	\$ (3,904,139)	\$ 4,345,366							
January 2015	8,801,725	\$ 1,0947	\$ 9,635,248	\$ 17,122,367	\$ (7,487,119)	\$ (\$9,490,521)							
February	10,263,513	\$ 1,0947	\$ 11,235,468	\$ 17,584,237	\$ (6,348,769)	\$ (\$14,316,352)							
March	9,449,687	\$ 1,1688	\$ 11,044,321	\$ 15,870,152	\$ (4,825,831)	\$ (\$16,361,777)							
April	5,403,643	\$ 1,2428	\$ 6,715,647	\$ 8,761,072	\$ (2,045,425)	\$ (\$16,168,161)							
May	2,187,690	\$ 1,2428	\$ 2,718,861	\$ 2,525,245	\$ 193,616	\$ (\$13,729,775)							
June	1,308,732	\$ 1,3665	\$ 1,788,382	\$ (650,004)	\$ 2,438,386	\$ (\$10,731,116)							
July	1,125,749	\$ 1,4902	\$ 1,677,591	\$ (1,321,066)	\$ 2,998,860	\$ (\$9,295,907)							
August	1,060,296	\$ 1,4902	\$ 1,580,053	\$ 144,845	\$ 1,435,209								
<b>USC Expenses</b>													
ELIRP Expense	\$ 48,393	\$ 51,212	\$ 455,885	\$ 585,451	\$ 973,868	\$ 41,296	\$ 1,124,411	\$ 826,183	\$ 823,808	\$ 618,920	\$ 538,229	\$ 2,038,095	\$ 8,125,752
ELIRP Labor	\$ 12,683	\$ 16,517	\$ 19,264	\$ 19,228	\$ 24,220	\$ 18,865	\$ 16,049	\$ 10,287	\$ 12,857	\$ 10,318	\$ 12,555	\$ 11,198	\$ 184,041
CRP Discount	\$ (2,424,508)	\$ (1,659,774)	\$ 3,235,642	\$ 10,852,045	\$ 14,662,334	\$ 16,019,680	\$ 13,316,092	\$ 6,842,300	\$ 825,635	\$ (2,030,043)	\$ (2,566,295)	\$ (2,588,072)	\$ 54,485,035
CRP Forgiveness	\$ 469,489	\$ 478,214	\$ 456,177	\$ 498,830	\$ 515,397	\$ 493,063	\$ 560,325	\$ 562,347	\$ 607,513	\$ 615,562	\$ 585,316	\$ 574,178	\$ 6,416,409
Senior Citizen Discount	\$ 139,322	\$ 171,372	\$ 408,745	\$ 773,832	\$ 946,548	\$ 1,011,334	\$ 853,275	\$ 519,955	\$ 255,432	\$ 135,241	\$ 109,127	\$ 109,446	\$ 5,433,628
Bad Debt Expense Offset*	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total</b>	\$ (1,754,620)	\$ (942,460)	\$ 4,575,714	\$ 12,729,386	\$ 17,122,367	\$ 17,584,237	\$ 15,870,152	\$ 8,761,072	\$ 2,525,245	\$ (650,004)	\$ (1,321,066)	\$ 144,845	\$ 74,644,866

CRP Participation	Rate Case Participation Rate	Actual Participation Rate*	CRP Under(Over) Participation	CRP Participation	Rate Case Participation Rate	Actual Participation Rate	Average Shortfall per CRP Participant	CRP Discount	Actual Participation Rate	Average Shortfall per CRP Participant	Shortfall*	Bad Debt Expense Offset*	7.1%	Bad Debt Expense Offset	When Actual CRP Participation Exceeds 84,000
84,000	84,000	84,000	84,000	84,000	84,000	84,000	84,000	84,000	84,000	84,000	84,000	84,000	84,000	84,000	84,000
61,588	61,243	60,885	61,319	61,169	61,185	61,169	61,185	61,169	61,169	61,169	61,169	61,169	61,169	61,169	61,169
22,412	22,757	23,115	22,681	22,809	22,815	22,831	22,815	22,831	22,815	22,815	22,815	22,815	22,815	22,815	22,815
\$ (2,424,508)	\$ (1,659,774)	\$ 3,235,642	\$ 10,852,045	\$ 14,662,334	\$ 16,019,680	\$ 13,316,092	\$ 6,842,300	\$ 825,635	\$ (2,030,043)	\$ (2,566,295)	\$ (2,588,072)	\$ 54,485,035	\$ 6,416,409	\$ 5,433,628	\$ 74,644,866
\$ (39)	\$ (27)	\$ 53	\$ 177	\$ 240	\$ 262	\$ 218	\$ 110	\$ 13	\$ (33)	\$ (42)	\$ (43)	\$ -	\$ -	\$ -	\$ -



**EFFICIENCY COST RECOVERY (ECR) SURCHARGE**  
**December 1, 2015**

<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	\$594,243	\$68,932	\$578	\$663,753
Labor Expense	\$12,179	\$1,413	\$12	\$13,604
<b>Commercial &amp; Industrial Retrofit Incentive (CIRI)</b>				
Program Expense	\$93,553	\$168,868	\$0	\$262,420
Labor Expense	\$1,774	\$3,202	\$0	\$4,976
<b>Commercial &amp; Industrial Equipment Rebate (CIER)</b>				
Program Expense	\$6,789	\$226,979	\$53,204	\$286,972
Labor Expense	\$130	\$4,343	\$1,018	\$5,491
<b>High-Efficiency Construction Incentive (HECI)</b>				
Program Expense	\$75,904	\$92,477	\$0	\$168,380
Labor Expense	\$1,429	\$1,740	\$0	\$3,169
<b>Comprehensive Residential Retrofit Incentive (CRRI)</b>				
Program Expense	\$630,044	\$11,029	\$0	\$641,073
Labor Expense	<u>\$11,470</u>	<u>\$201</u>	<u>\$0</u>	<u>\$11,670</u>
<b>Total Expense</b>	\$1,427,513	\$579,183	\$54,812	\$2,061,508
<b>Prior Period Reconciliation (11/30/15)</b>	<u>\$ (1,339,221)</u>	<u>\$ (143,533)</u>	<u>\$ 124,129</u>	<u>\$ (1,358,626)</u>
<b>Total</b>	\$88,292	\$435,650	\$178,941	\$702,883
<b>Volumes - Mcf (GCR Firm &amp; Firm Transportation)</b>	32,424,668	9,763,828	790,956	

<b>Efficiency Cost Recovery Surcharge / Mcf</b>	<b>\$0.0027</b>	<b>\$0.0446</b>	<b>\$0.2262</b>
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**EFFICIENCY COST RECOVERY (ECR) SURCHARGE  
STATEMENT OF RECONCILIATION  
1st Quarter Filing**

	Actual Sep-15	Actual Oct-15	Estimated Nov-15
<b>RESIDENTIAL &amp; PHA GS</b>			
FY 2015 Over-Collection	\$ 1,566,406		
Volume Billed	646,466	991,567	2,549,910
ECR Surcharge	\$ 0.0045	\$ 0.0071	\$ 0.0071
Revenue Billed	\$ 2,909	\$ 7,040	\$ 18,104
RHER	233	83,436	66,027
RHER Labor	976	1,121	1,353
HFCI Expense	27	2,894	8,434
HFCI Labor	115	131	159
CRRI Expense	219	373	70,005
CRRI Labor	919	1,056	1,274
CIRI Expense	34	4,372	10,395
CIRI Labor	142	163	197
CIER Expense	2	390	754
CIER Labor	10	12	14
Total	\$ 2,678	\$ 93,947	\$ 158,613
Monthly Over/(Under)	\$ 231	\$ (86,907)	\$ (140,508)
Cumulative Over/(Under)	\$ 1,566,637	\$ 1,479,730	\$ 1,339,221
<b>COMMERCIAL &amp; PHA</b>			
FY 2015 Over-Collection	\$ 201,155		
Volume Billed	349,209	487,460	962,952
ECR Surcharge	\$ 0.0221	\$ 0.0243	\$ 0.0243
Revenue Billed	\$ 7,700	\$ 11,845	\$ 23,400
RHER Expense	27	9,679	7,659
RHER Labor	113	130	157
CRRI Expense	4	7	1,225
CRRI Labor	16	18	22
CIRI Expense	61	7,892	18,763
CIRI Labor	257	295	356
CIER Expense	83	13,026	25,220
CIER Labor	348	400	483
HFCI Expense	33	3,526	10,275
HFCI Labor	140	160	193
Total	\$ 1,082	\$ 35,132	\$ 64,354
Monthly Over/(Under)	\$ 6,618	\$ (23,286)	\$ (40,954)
Cumulative Over/(Under)	\$ 207,773	\$ 184,487	\$ 143,533
<b>INDUSTRIAL</b>			
FY 2015 Under-Collection	\$ (113,291)		
Volume Billed	28,538	36,712	86,847
ECR Surcharge	\$ (0.0102)	\$ (0.0091)	\$ (0.0091)
Revenue Billed	\$ (291)	\$ (334)	\$ (790)
RHER Expense	0	81	64
RHER Labor	1	1	1
CIRI Expense	-	-	-
CIRI Labor	-	-	-
CIER Expense	19	3,053	5,912
CIER Labor	82	94	113
Total	\$ 102	\$ 3,229	\$ 6,090
Monthly Over/(Under)	\$ (393)	\$ (3,563)	\$ (6,881)
Cumulative Over/(Under)	\$ (113,685)	\$ (117,248)	\$ (124,129)

**EFFICIENCY COST RECOVERY (ECR) SURCHARGE  
STATEMENT OF RECONCILIATION  
SEPTEMBER 2014 - AUGUST 2015**

	Actual Sep-14	Actual Oct-14	Actual Nov-14	Actual Dec-14	Actual Jan-15	Actual Feb-15	Actual Mar-15	Actual Apr-15	Actual May-15	Actual Jun-15	Actual Jul-15	Actual Aug-15	Total
<b>RESIDENTIAL &amp; PHA/GS</b>													
FY 2014 Over-Collection	\$ 3,664,920												
Volume Billed	716,465	891,401	2,334,361	5,215,559	6,705,574	7,855,404	7,311,790	4,146,355	1,602,303	878,834	731,782	684,924	39,074,753
ECR Surcharge	\$ (0.0154)	\$ (0.0040)	\$ (0.0040)	\$ (0.0086)	\$ (0.0131)	\$ (0.0131)	\$ (0.0131)	\$ (0.0141)	\$ (0.0141)	\$ (0.0061)	\$ 0.0019	\$ 0.0019	\$ 0.0019
Revenue Billed	\$ (11,034)	\$ (3,566)	\$ (9,337)	\$ (44,593)	\$ (87,843)	\$ (102,906)	\$ (99,440)	\$ (58,464)	\$ (22,592)	\$ (5,361)	\$ 1,390	\$ 1,301	\$ (442,444)
Expense	\$ 28,249	\$ 7,302	\$ 80,490	\$ 91,172	\$ 137,874	\$ (13,912)	\$ 91,278	\$ 24,868	\$ 42,712	\$ 95,823	\$ 29,614	\$ 177,747	\$ 793,217
RHER	\$ 1,714	\$ 2,232	\$ 3,096	\$ 3,273	\$ 3,273	\$ 765	\$ 2,169	\$ 1,390	\$ 1,659	\$ 1,394	\$ 1,697	\$ 2,316	\$ 24,301
RHER	\$ 1,330	\$ 1,408	\$ 104	\$ 10,920	\$ 3,705	\$ 13,499	\$ 11,475	\$ 11,021	\$ 22,948	\$ 7,855	\$ 7,739	\$ (31,716)	\$ 60,089
HECI	\$ 349	\$ 454	\$ 687	\$ 529	\$ 666	\$ 2,376	\$ 441	\$ 283	\$ 2,951	\$ 284	\$ 345	\$ (10,900)	\$ 7,315
HECI	\$ 8,915	\$ 9,434	\$ 54,628	\$ 23,504	\$ 152,405	\$ 52,720	\$ 54,603	\$ 66,375	\$ 47,150	\$ 50,700	\$ 54,943	\$ (20,908)	\$ 684,283
CRR1	\$ 2,336	\$ 3,043	\$ 3,584	\$ 3,542	\$ 4,462	\$ 3,520	\$ 2,957	\$ 1,995	\$ 2,397	\$ 1,901	\$ 2,313	\$ 79	\$ 32,028
CRR1	\$ 1,352	\$ 1,431	\$ (992)	\$ 2,471	\$ 2,126	\$ (8,183)	\$ 40,924	\$ 7,766	\$ (35,881)	\$ 10,042	\$ 412	\$ 33,897	\$ 54,564
CIRI	\$ 354	\$ 461	\$ 224	\$ 537	\$ 677	\$ (3,572)	\$ 448	\$ 287	\$ (3,957)	\$ 288	\$ 351	\$ (2,799)	\$ (6,698)
CIRI	\$ 263	\$ 141	\$ (213)	\$ 252	\$ 308	\$ 931	\$ 2,264	\$ 549	\$ (562)	\$ 2,224	\$ 191	\$ (2,924)	\$ 6,203
CIRI	\$ 24	\$ 32	\$ -	\$ 37	\$ 46	\$ 207	\$ 31	\$ 20	\$ 232	\$ 20	\$ 24	\$ 96	\$ 768
Total	\$ 44,887	\$ 25,937	\$ 141,608	\$ 135,562	\$ 308,322	\$ 47,352	\$ 206,589	\$ 114,454	\$ 79,848	\$ 170,330	\$ 97,628	\$ 283,553	\$ 1,856,071
Monthly Over/(Under)	\$ (55,921)	\$ (29,502)	\$ (150,946)	\$ (180,155)	\$ (396,165)	\$ (150,258)	\$ (306,029)	\$ (172,918)	\$ (102,441)	\$ (175,691)	\$ (86,237)	\$ (282,252)	
Cumulative Over/(Under)	\$ 3,609,000	\$ 3,579,497	\$ 3,428,551	\$ 3,248,395	\$ 2,852,232	\$ 2,701,973	\$ 2,395,944	\$ 2,223,027	\$ 2,120,586	\$ 1,944,895	\$ 1,848,658	\$ 1,566,406	
<b>COMMERCIAL &amp; PHA</b>													
FY 2014 Over-Collection	\$ 1,029,904												
Volume Billed	364,948	470,450	855,762	1,461,168	1,822,979	2,080,859	1,838,729	1,090,870	527,118	383,511	354,968	337,149	11,599,611
ECR Surcharge	\$ (0.0058)	\$ (0.0013)	\$ (0.0013)	\$ (0.0040)	\$ (0.0066)	\$ (0.0066)	\$ (0.0070)	\$ (0.0074)	\$ (0.0074)	\$ 0.0062	\$ 0.0198	\$ 0.0198	\$ 0.0198
Revenue Billed	\$ (2,098)	\$ (612)	\$ (1,114)	\$ (5,772)	\$ (12,032)	\$ (13,734)	\$ (12,871)	\$ (8,072)	\$ (3,901)	\$ 2,378	\$ 7,028	\$ 6,676	\$ (44,123)
Expense	\$ 3,200	\$ 827	\$ 3,232	\$ 10,327	\$ 15,616	\$ 71,075	\$ 10,339	\$ 2,817	\$ (35,386)	\$ 10,853	\$ 3,354	\$ 467	\$ 96,719
RHER	\$ 194	\$ 253	\$ (155)	\$ 294	\$ 371	\$ 2,128	\$ 246	\$ 157	\$ 310	\$ 158	\$ 192	\$ (676)	\$ 3,473
RHER	\$ 2,069	\$ 2,190	\$ 1,222	\$ 3,782	\$ 3,254	\$ 14,919	\$ 62,637	\$ 11,866	\$ 59,275	\$ 15,370	\$ 631	\$ 27,903	\$ 205,138
CIRI	\$ 542	\$ 706	\$ 1,147	\$ 822	\$ 1,036	\$ 4,917	\$ 686	\$ 440	\$ 4,873	\$ 441	\$ 537	\$ 3,597	\$ 19,743
CIRI	\$ 5,915	\$ 3,161	\$ 3,943	\$ 5,669	\$ 69,417	\$ 5,988	\$ 50,889	\$ 12,332	\$ 2,339	\$ 50,003	\$ 4,284	\$ 49,927	\$ 263,778
CIRI	\$ 546	\$ 711	\$ 851	\$ 827	\$ 1,042	\$ 621	\$ 890	\$ 443	\$ 334	\$ 444	\$ 540	\$ (2,088)	\$ 4,960
HECI	\$ 591	\$ 625	\$ (792)	\$ 4,851	\$ 1,646	\$ (8,415)	\$ 5,098	\$ 4,896	\$ (14,322)	\$ 3,401	\$ 3,438	\$ 144,940	\$ 145,958
HECI	\$ 155	\$ 202	\$ 60	\$ 235	\$ 296	\$ (1,650)	\$ 196	\$ 126	\$ (2,455)	\$ 126	\$ 153	\$ 2,482	\$ (75)
CRR1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CRR1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CRR1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total	\$ 13,212	\$ 8,674	\$ 9,507	\$ 26,808	\$ 92,678	\$ 89,584	\$ 130,790	\$ 33,097	\$ 14,867	\$ 80,796	\$ 13,130	\$ 271,483	\$ 784,627
Monthly Over/(Under)	\$ (15,311)	\$ (9,286)	\$ (10,621)	\$ (32,579)	\$ (104,710)	\$ (103,318)	\$ (143,661)	\$ (41,169)	\$ (18,768)	\$ (78,477)	\$ (6,101)	\$ (284,808)	
Cumulative Over/(Under)	\$ 1,014,594	\$ 1,005,308	\$ 994,687	\$ 962,108	\$ 857,399	\$ 754,081	\$ 610,419	\$ 569,250	\$ 550,482	\$ 472,064	\$ 465,963	\$ 201,155	
<b>INDUSTRIAL</b>													
FY 2014 Over-Collection	\$ 121,604												
Volume Billed	31,238	37,156	59,645	113,165	146,265	169,038	151,272	76,711	36,376	32,820	27,829	28,578	910,053
ECR Surcharge	\$ (0.1374)	\$ (0.1307)	\$ (0.1307)	\$ (0.1310)	\$ (0.1312)	\$ (0.1312)	\$ (0.1352)	\$ (0.1411)	\$ (0.1411)	\$ (0.0762)	\$ (0.0113)	\$ (0.0113)	\$ 0.0113
Revenue Billed	\$ (4,292)	\$ (4,856)	\$ (7,796)	\$ (14,819)	\$ (19,190)	\$ (22,178)	\$ (20,596)	\$ (10,824)	\$ (5,133)	\$ (2,501)	\$ (314)	\$ (323)	\$ (112,821)
Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
RHER	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
RHER	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CIRI	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CIRI	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CIRI	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CIRI	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CIRI	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Monthly Over/(Under)	\$ (4,292)	\$ (4,856)	\$ (7,796)	\$ (14,819)	\$ (19,190)	\$ (22,178)	\$ (20,596)	\$ (10,824)	\$ (5,133)	\$ (2,501)	\$ (314)	\$ (323)	\$ (112,821)
Cumulative Over/(Under)	\$ 117,312	\$ 112,456	\$ 104,660	\$ 89,841	\$ 70,651	\$ 48,473	\$ 27,878	\$ 17,054	\$ 11,921	\$ 9,420	\$ 9,106	\$ (113,291)	



**PHILADELPHIA GAS WORKS  
LOAD BALANCING CHARGE  
DECEMBER 1, 2015**

Storage and Peaking Asset Cost	\$	14,828,065
<hr/>		
Design Day Requirements (Mcf)		653,198
Fulfilled from FT Capacity (Mcf)		<u>291,094</u>
Fulfilled from Storage and Peaking Assets (Excess Mcf)		362,104
<hr/>		
Annual Storage and Peaking Cost per Excess Mcf	\$	40.9497
Per Mcf Over / (Under) Adjustment	\$	<u>0.1055</u>
Load Balancing Charge	\$	40.8442

Over / (Under) Recovery	\$	28,975
Interest	\$	<u>4,317</u>
Total Over/(Under) Recovery	\$	33,292
Forecasted SSPC Volumes		315,695
Per Mcf Over / (Under) Adjustment	\$	0.1055

**Projected Unaccounted For Factor And Retainage Rate**  
**1st Quarter Filing**  
**December 1, 2015**

<u>Fiscal Year</u>	<u>Firm Sendout</u> <u>(Mcf)</u>	<u>Accounted For Gas</u> <u>(Mcf)</u>	<u>Unaccounted For</u> <u>(Mcf)</u>	<u>3 Year</u> <u>Average</u>
2012-13	50,084,910	48,582,906	1,502,004	
2013-14	54,433,034	52,971,340	1,461,694	
2014-15	<u>55,108,734</u>	<u>53,062,451</u>	<u>2,046,284</u>	
<b>Total</b>	159,626,678	154,616,697	5,009,982	<b>3.1%</b>

## Natural Gas Prices Used for PGW's - FY 2015-2016 - 1st Quarter GCR Filing

### Basis Differentials

### Prices Used For Gas Cost Inputs

	TRANSCO						NYMEX Futures 11/04/15 Close	TRANSCO						TETCO					
	Sta 30	Sta 45	Sta 65	Sta 85	ELA	WLA		M-1	M-2	Sta 30	Sta 45	Sta 65	Sta 85	ELA	WLA	M-1	M-2		
2015:11									1.94	1.91	2.01	2.06	1.90	1.92	1.83	1.22			
2015:12	(0.11)	(0.14)	(0.02)	(0.01)	(0.06)	(0.08)	(0.10)	(0.72)	2.15	2.12	2.24	2.25	2.20	2.18	2.16	1.54			
2016:1	(0.11)	(0.14)	(0.02)	(0.01)	(0.06)	(0.08)	(0.10)	(0.72)	2.34	2.31	2.43	2.44	2.39	2.37	2.35	1.73			
2016:2	(0.11)	(0.14)	(0.02)	(0.01)	(0.06)	(0.08)	(0.10)	(0.72)	2.36	2.33	2.45	2.46	2.41	2.39	2.37	1.75			
2016:3	(0.11)	(0.14)	(0.02)	(0.01)	(0.06)	(0.08)	(0.10)	(0.72)	2.35	2.32	2.44	2.45	2.40	2.38	2.36	1.74			
2016:4	(0.11)	(0.14)	(0.02)	(0.01)	(0.06)	(0.08)	(0.10)	(0.72)	2.32	2.29	2.41	2.42	2.37	2.35	2.33	1.71			
2016:5	(0.11)	(0.14)	(0.02)	(0.01)	(0.06)	(0.08)	(0.10)	(0.72)	2.35	2.32	2.44	2.45	2.40	2.38	2.36	1.74			
2016:6	(0.11)	(0.14)	(0.02)	(0.01)	(0.06)	(0.08)	(0.10)	(0.72)	2.40	2.37	2.49	2.50	2.45	2.43	2.41	1.79			
2016:7	(0.11)	(0.14)	(0.02)	(0.01)	(0.06)	(0.08)	(0.10)	(0.72)	2.45	2.42	2.54	2.55	2.50	2.48	2.46	1.84			
2016:8	(0.11)	(0.14)	(0.02)	(0.01)	(0.06)	(0.08)	(0.10)	(0.72)	2.46	2.43	2.55	2.56	2.51	2.49	2.47	1.85			
2016:9	(0.11)	(0.14)	(0.02)	(0.01)	(0.06)	(0.08)	(0.10)	(0.72)	2.47	2.44	2.56	2.57	2.52	2.50	2.48	1.86			
2016:10	(0.11)	(0.14)	(0.02)	(0.01)	(0.06)	(0.08)	(0.10)	(0.72)	2.49	2.46	2.58	2.59	2.54	2.52	2.50	1.88			
2016:11	(0.11)	(0.14)	(0.02)	(0.01)	(0.06)	(0.08)	(0.10)	(0.72)	2.58	2.55	2.67	2.68	2.63	2.61	2.59	1.97			

**Actual Natural Gas Billed**

	<u>Jul-15</u>	<u>Aug-15</u>	<u>Sep-15</u>
Williams	\$ 2,682,890	\$ 2,681,945	\$ 2,585,596
Texas Eastern	\$ 2,209,465	\$ 2,185,872	\$ 2,199,391
Dominion	\$ 134,295	\$ 134,295	\$ 133,842
Equitrans	\$ -	\$ -	\$ -
Spot Purchases -Transco	\$ -	\$ -	\$ 66,647
Spot Purchases -Tetco	\$ -	\$ -	\$ -
Transco Supply2	\$ 331,700	\$ 331,700	\$ 340,500
Transco Supply3	\$ 652,550	\$ 652,550	\$ 670,500
Transco Supply6	\$ -	\$ -	\$ -
Transco Supply7	\$ -	\$ -	\$ -
Transco Supply8	\$ 1,075,235	\$ 988,835	\$ 263,978
Transco Supply10	\$ 400,288	\$ 400,288	\$ 387,375
Transco Supply12	\$ -	\$ -	\$ -
Transco Supply14	\$ 420,438	\$ 420,438	\$ 389,325
Transco Supply17	\$ -	\$ -	\$ -
Transco Supply20	\$ -	\$ -	\$ -
Transco Supply21	\$ -	\$ -	\$ -
Transco Supply22	\$ 4,650	\$ 4,650	\$ 4,500
Transco Supply23	\$ 437,875	\$ 436,325	\$ 402,450
Transco Supply24	\$ -	\$ -	\$ -
Transco Supply25	\$ -	\$ 1,650	\$ 2,250
Transco Supply26	\$ -	\$ -	\$ -
Transco Supply27	\$ -	\$ -	\$ -
Transco Supply28	\$ -	\$ -	\$ -
Transco Supply29	\$ -	\$ -	\$ -
Tetco Supply1	\$ -	\$ -	\$ -
Tetco Supply2	\$ -	\$ -	\$ -
Tetco Supply3	\$ -	\$ -	\$ -
Tetco Supply4	\$ -	\$ -	\$ -
Tetco Supply5	\$ -	\$ -	\$ -
Tetco Supply7	\$ -	\$ -	\$ -
Tetco Supply13	\$ 565,130	\$ 600,160	\$ 506,400
Tetco Supply14	\$ -	\$ -	\$ -
Tetco Supply16	\$ 412,300	\$ 412,300	\$ 399,000
Tetco Supply17	\$ -	\$ -	\$ -
Tetco Supply18	\$ -	\$ -	\$ -
Tetco Supply19	\$ -	\$ -	\$ -
Tetco Supply20	\$ -	\$ -	\$ -
Tetco Supply21	\$ -	\$ -	\$ -
Tetco Supply22	\$ -	\$ -	\$ -
Tetco Supply23	\$ -	\$ -	\$ -
Tetco Supply24	\$ 383,875	\$ 402,291	\$ 382,457
Tetco Supply25	\$ -	\$ -	\$ -
Tetco Supply26	\$ 719,775	\$ 773,775	\$ 711,975
Tetco Supply27	\$ 195,300	\$ 190,650	\$ 169,500
Tetco Supply28	\$ 191,425	\$ 186,775	\$ 165,750
<b>Total Costs</b>	<b>\$ 10,817,190</b>	<b>\$ 10,804,499</b>	<b>\$ 9,781,436</b>
Sharing Mechanism	\$ 147,639	\$ 146,148	\$ 144,794
Off System Sales	\$ -	\$ -	\$ -
Gas Transportation Purchases	\$ 1,721	\$ 3,231	\$ 1,812
Adjustment/Reconciliation	\$ 147,446	\$ (582,080)	\$ 370,416
<b>Total Natural Gas Billed</b>	<b>\$ 11,113,996</b>	<b>\$ 10,371,798</b>	<b>\$ 10,298,457</b>

**Philadelphia Gas Works  
Summary of Fuels Purchased  
Three Months Ending September 2015**

	Actual			Projected			Projected			Actual Over/Under vs Projected		
	Jul-15	Aug-15	Sep-15	Total	3rd Qtr Filing Jul-15	4th Qtr Filing Aug-15	4th Qtr Filing Sep-15	Total	Jul-15	Aug-15	Sep-15	Total
Total Natural Gas Billed	\$ 11,113,996	\$ 10,371,798	\$ 10,298,457	\$ 31,784,251	\$ 12,454,270	\$ 10,041,517	\$ 12,214,331	\$ 34,710,118	\$ (1,340,274)	\$ 330,281	\$ (1,915,874)	\$ (2,925,867)
Less Imbalance Charge	\$ -	\$ 47,350	\$ 26,368	\$ 75,718	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Less Interruptible Credit	\$ 4,785	\$ 5,665	\$ 4,470	\$ 14,910	\$ 9,868	\$ 5,444	\$ 6,170	\$ 21,483	\$ (5,083)	\$ 211	\$ (1,700)	\$ (6,573)
Gas Used For Utility	\$ 16,906	\$ 19,703	\$ 16,965	\$ 52,774	\$ 9,481	\$ 10,173	\$ 24,964	\$ 44,598	\$ 7,045	\$ 9,530	\$ (8,399)	\$ 8,176
	\$ 11,092,705	\$ 10,299,090	\$ 10,249,054	\$ 31,640,849	\$ 12,434,941	\$ 10,025,900	\$ 12,183,197	\$ 34,644,038	\$ (1,342,236)	\$ 273,190	\$ (1,934,143)	\$ (3,003,189)
<b>Pipeline Storages</b>												
(To)	\$ (4,343,360)	\$ (3,948,565)	\$ (3,140,670)	\$ (11,432,595)	\$ (5,158,849)	\$ (3,874,261)	\$ (4,516,557)	\$ (13,549,667)	\$ 815,489	\$ (74,294)	\$ 1,375,887	\$ 2,117,082
From	\$ -	\$ 405	\$ -	\$ 405	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 405	\$ -	\$ 405
Net Pipeline Storages	\$ (4,343,360)	\$ (3,948,160)	\$ (3,140,670)	\$ (11,432,190)	\$ (5,158,849)	\$ (3,874,261)	\$ (4,516,557)	\$ (13,549,262)	\$ 815,489	\$ (73,889)	\$ 1,375,887	\$ 2,117,487
<b>LNG Storage</b>												
(To)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (169,192)	\$ (169,192)	\$ -	\$ -	\$ 169,192	\$ 169,192
From	\$ 141,462	\$ 317,921	\$ 226,536	\$ 685,919	\$ 280,716	\$ 267,159	\$ 258,356	\$ 806,230	\$ (139,254)	\$ 50,762	\$ (31,920)	\$ (120,311)
Net LNG Storage	\$ 141,462	\$ 317,921	\$ 226,536	\$ 685,919	\$ 280,716	\$ 267,159	\$ 89,164	\$ 637,039	\$ (139,254)	\$ 50,762	\$ 137,372	\$ 48,880
Net Natural Gas	\$ 6,890,807	\$ 6,668,861	\$ 7,334,920	\$ 20,894,588	\$ 7,556,808	\$ 6,418,798	\$ 7,755,804	\$ 21,731,409	\$ (666,001)	\$ 250,063	\$ (420,884)	\$ (836,821)
<b>APPLICABLE GCR EXPENSES</b>												
Net Natural Gas Expense	\$ 6,890,807	\$ 6,668,861	\$ 7,334,920	\$ 20,894,588	\$ 7,556,808	\$ 6,418,798	\$ 7,755,804	\$ 21,731,409	\$ (666,001)	\$ 250,063	\$ (420,884)	\$ (836,821)
Purchased Electric & Misc	\$ 38,723	\$ 50,908	\$ 22,397	\$ 112,028	\$ 44,348	\$ 33,025	\$ 34,540	\$ 111,914	\$ (5,625)	\$ 17,863	\$ (12,143)	\$ 114
Total GCR Expenses	\$ 6,929,530	\$ 6,719,769	\$ 7,357,317	\$ 21,006,616	\$ 7,601,156	\$ 6,451,823	\$ 7,790,344	\$ 21,843,323	\$ (671,626)	\$ 267,946	\$ (433,027)	\$ (836,707)



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

**Supplement No. 88**

**PHILADELPHIA GAS WORKS**  
**GAS SERVICE TARIFF**



Issued by: Craig White  
President and CEO

PHILADELPHIA GAS WORKS  
800 West Montgomery Avenue  
Philadelphia, PA 19122



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

**UNACCOUNTED FOR GAS (PAGE No. 14)**

The Lost and Unaccounted for Gas and Retainage Rate percentage increases from 2.7% to 3.1%.

**GAS COST RATE (GCR) – Section 1307(f) (PAGES 67, 67A, 68)**

The GAC (Gas Adjustment Charge) is increased from \$(0.01894) to \$(0.01861) per Ccf. The IRC (Interruptible Revenue Credit) increases from \$0.00008 per Ccf to \$0.00009 per Ccf. The SSC (Sales Service Charge) is decreased from \$0.42626 per Ccf to \$0.38804 per Ccf. The Gas Cost Rate is decreased from \$0.40724 per Ccf to \$0.36934 per Ccf.

**PRICE TO COMPARE (“PTC”) (PAGE 78)**

The PTC for GS RES is decreased from \$0.43038 to \$0.39072. The PTC for GS PH is decreased from \$0.41132 to \$0.37343. The PTC for GS COM is decreased from \$0.41246 to \$0.37446. The PTC for GS IND is decreased from \$0.41254 to \$0.37454. The PTC for MS is decreased from \$0.41132 to \$0.37343. The PTC for PHA is decreased from \$0.41132 to \$0.37343. The PTC for NGVS is decreased from \$0.41132 to \$0.37343.

**EFFICIENCY COST RECOVERY SURCHARGE (PAGE 80)**

Surcharge for Residential and Public Housing Customers on Rate GS decreased from \$0.00071 per Ccf to \$0.00027 per Ccf. Surcharge for Commercial Customers on Rate GS increased from \$0.00243 to \$0.00446. Surcharge for Industrial Customers on Rate GS increased from \$(0.00091) per Ccf to \$0.02262 per Ccf. Surcharge for The Philadelphia Housing Authority on Rate PHA increased from \$0.00243 to \$0.00446 per Ccf.

**UNIVERSAL SERVICE AND ENERGY CONSERVATION SURCHARGE (PAGE 81)**

Surcharge decreased from \$0.13471/Ccf to \$0.10669.

**GENERAL SERVICE – RATE GS (PAGE 83)**

GCR rate decreased from \$0.40724 to \$0.36934.

**MUNICIPAL SERVICE – RATE MS (PAGE 87)**

GCR rate decreased from \$0.40724 to \$0.36934.

**PHILADELPHIA HOUSING AUTHORITY SERVICE – RATE PHA (PAGE 90)**

GCR rate decreased from \$0.40724 to \$0.36934.

**DEVELOPMENTAL NATURAL GAS VEHICLE SERVICE – RATE NGVS FIRM SERVICE (PAGE 135)**

GCR rate decreased from \$0.40724 to \$0.36934.

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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 3.1%. 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>.

(I)

(I) - Increase



**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 \$(0.00975) per Ccf for Commodity Costs and \$(0.00886) per Ccf for Demand Costs, for service on or after December 1, 2015. The total GAC is \$(0.01861) per Ccf. (I)

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.

**(I) – Increase**

IRC - Interruptible Revenue Credit - The credit defined in Subsection VI below. The currently effective IRC is \$0.00009 per Ccf for service on or after December 1, 2015. (I)

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 \$0.24903 per Ccf for Commodity Costs and \$0.13901 per Ccf for Demand Costs, for service on or after December 1, 2015. The total SSC is \$0.38804 per Ccf. (D)

(I)– Increase; (D) – Decrease



III. COMPUTATION OF GAS COST RATE

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:

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

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 \$0.36934 per Ccf, for service on or after December 1, 2015. (D)

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).

(D) – Decrease

**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: 4.68% - GS Residential (“GS RES”); 0.28% - GS Commercial (“GS COM”); and 0.30% - 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):

	GS RES	GS PH	GS COM	GS IND	MS	PHA	NGVS
<b>SSC</b>	\$0.38804	\$0.38804	\$0.38804	\$0.38804	\$0.38804	\$0.38804	\$0.38804
<b>GAC</b>	(\$0.01861)	(\$0.01861)	(\$0.01861)	(\$0.01861)	(\$0.01861)	(\$0.01861)	(\$0.01861)
<b>MFC</b>	\$0.01729	\$0.00000	\$0.00103	\$0.00111	\$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>	\$0.39072	\$0.37343	\$0.37446	\$0.37454	\$0.37343	\$0.37343	\$0.37343

(C)

(C) - Change

**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) \$0.00027 per Ccf for Residential and Public Housing Customers on Rate GS; | (D)  |
| b) \$0.00446 per Ccf for Commercial Customers on Rate GS;                     | (I)  |
| c) \$0.02262 per Ccf for Industrial Customers on Rate GS;                     | (I)  |
| d) \$0.00000 per Ccf for Municipal Customers on Rate MS; and                  | (NC) |
| e) \$0.00446 per Ccf for The Philadelphia Housing Authority on Rate PHA.      | (I)  |

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 the Conservation Works Program (CWP) and the Enhanced Low Income Retrofit Program (ELIRP); and, 4) 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 = \$ 0.10669/Ccf.

**(D)**

(D) - Increase



**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, 2015

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)):

\$ 12.00 per month for Residential and Public Housing Authority Customers.  
\$ 18.00 per month for Commercial Customers  
\$ 50.00 per month for Industrial Customers

Surcharge: Distribution System Improvement Charge.

Plus,

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

\$ 0.36934 per Ccf for Residential and Public Housing (D)  
\$ 0.36934 per Ccf for Commercial Customers (D)  
\$ 0.36934 per Ccf for Industrial Customers (D)

Plus,

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

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

\$0.60067 per Ccf for Residential  
\$0.49441 per Ccf for Public Housing  
\$0.45984 per Ccf for Commercial and Municipal Customers  
\$0.45332 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.

(D) – Decrease

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

### 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, 2015.

#### 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):

\$ 18.00 per month

Surcharge: Distribution System Improvement Charge.

Plus,

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

\$ 0.36934 per Ccf

(D)

Plus,

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

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

\$0.33661 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.

(D) – Decrease

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

**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, 2015

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);

\$18.00 per month

Surcharge: Distribution System Improvement Charge.

Plus,

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

\$ 0.36934 per Ccf

(D)

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):

\$0.41101 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.

(D) – Decrease

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



**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, 2015

**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 PHA customers who transport gas through a qualified NGS):

\$ 0.36934 per Ccf

(D)

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.

**(D) – Decrease; (C) - Change**

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

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

Supplement No. 63

## PHILADELPHIA GAS WORKS

### GAS SUPPLIER TARIFF



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

List of Changes Made by this Tariff

**DEFINITIONS (Page 11)**

The current Lost and Unaccounted for Gas and Retainage Rate percentage is increased from 2.7% to 3.1%

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

The load balancing charge decreases from \$41.6645 per design day Mcf to \$40.8442 per design day Mcf.

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**METER READ DATE** - The date on which the Company schedules a meter to be read for purposes of producing a Customer bill in accordance with the regularly scheduled billing cycles of the Company.

**NATURAL GAS SUPPLY SERVICE** – Services provided by a Natural Gas Supplier as defined in section 2202 of the Gas Choice Act, 66 Pa. C.S. sec 2202.

**OPERATIONAL FLOW ORDER ("OFO")** - A directive issued by Company to Supplier, which is reasonably necessary to alleviate conditions that threaten the operational integrity of the Company's system on a critical day.

**PURCHASE OF RECEIVABLES ("POR")** – The program (and all relevant stipulations) addressed within the PUC approved Joint Petition for Settlement of Philadelphia Gas Works' Supplier of Last Resort Collaborative at Docket No. R-2008-2073938 and Philadelphia Gas Works' Purchase of Receivables Collaborative at Docket No. R-2009-2139884 as amended, modified other otherwise revised under Applicable Law.

**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 3.1%. 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>. (I)

**UPSTREAM CAPACITY ASSIGNMENT, RELEASE OR TRANSFER** – The process to provide access to interstate pipeline capacity and storage contracts owned by Company to Supplier pursuant to Company's tariff and any applicable regulatory rules.

(I) - Increase



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 \$40.8442 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:

$$BSC = (C / S_1) - (E / S_2)$$

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



**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 Email and/or First Class Mail**

Aron Beatty, Esq.  
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PA P.U.C.  
SECRETARIES BUREAU

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Deanne M. O'Dell, Esq.

Dated: November 30, 2015



Eckert Seamans Cherin & Mellott, LLC  
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Harrisburg, PA 17101

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

February 26, 2016

**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 (2<sup>nd</sup> Quarter 2015-2016 GCR Tariff Supplements)  
Docket No.: R-2015-2465656

Dear Secretary Chiavetta:

On behalf of Philadelphia Gas Works ("PGW"), enclosed please find PGW Gas Service Tariff, Pa. P.U.C. No. 2 Supplement 90; and, PGW Gas Supplier Tariff, Pa. P.U.C. No. 1 Supplement No. 64 which implement PGW's 2<sup>nd</sup> Quarter 2015-2016 Gas Cost Rate ("GCR").

Sincerely,

Deanne M. O'Dell  
DMO/lww  
Enclosure

cc: Cert. of Service w/enc  
Raquel Guzman, VP Legal & Associate General Counsel, PGW  
Marissa Boyle (maboyle@pa.gov)

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PA PUC  
SECRETARY'S BUREAU

**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 Email and/or First Class Mail**

Aron Beatty, Esq.  
Brandon Pierce, Esq.  
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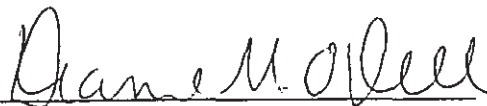
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Dated: February 26, 2016

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

**Supplement No. 64**

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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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List of Changes Made by this Tariff

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

The load balancing charge effective March 1, 2015 is \$38.9943 per design day Mcf.



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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 \$38.9943 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:

$$BSC = (C / S_1) - (E / S_2)$$

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. 90**

**PHILADELPHIA GAS WORKS**  
**GAS SERVICE TARIFF**



Issued by: Craig White  
President and CEO

PHILADELPHIA GAS WORKS  
800 West Montgomery Avenue  
Philadelphia, PA 19122

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

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

In the definition of "GAC," the currently effective GAC is \$(0.01318) per Ccf for Commodity Costs and \$(0.01198) per Ccf for Demand Costs, and the total GAC is \$(0.02516) per Ccf for service on or after March 1, 2016. In the definition of "IRC," the "IRC" value effective March 1, 2016 is \$0.00023 per Ccf. In the definition of "SSC," the currently effective SSC is \$0.26543 per Ccf for Commodity Costs and \$0.10942 per Ccf for Demand Costs and the total SSC is \$0.37485 per Ccf effective March 1, 2016.

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

The Gas Cost Rate (GCR) effective March 1, 2016 is \$0.34946 per Ccf.

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

The Prices to Compare effective March 1, 2016 are: a) \$0.37004 per Ccf for Residential; b) \$0.35467 per Ccf for Commercial Customers on Rate GS; c) \$0.35474 per Ccf for Industrial Customers on Rate GS; and d) \$0.35369 per Ccf for Municipal Customers on Rate MS, The Philadelphia Housing Authority on Rate PHA, Public Housing Customers on Rate GS & Natural Gas Vehicle Service on Rate NGVS.

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

The Efficiency Cost Recovery Surcharge rates effective March 1, 2016 are: (a) \$0.00030 per Ccf for Residential and Public Housing Customers on Rate GS; (b) \$0.00570 per Ccf for Commercial Customers on Rate GS; (c) \$0.02888 per Ccf for Industrial Customers on Rate GS; and (d) \$0.00570 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 March 1, 2016 is \$0.13679 per Ccf.

**GENERAL SERVICE – RATE GS (PAGE No. 83)**

The Gas Cost Rate (GCR) effective March 1, 2016 is \$0.34946 per Ccf.

**MUNICIPAL SERVICE – RATE MS (PAGE No. 87)**

The Gas Cost Rate (GCR) effective March 1, 2016 is \$0.34946 per Ccf

**PHILADELPHIA HOUSING AUTHORITY SERVICE – RATE PHA (PAGE No. 90)**

The Gas Cost Rate (GCR) effective March 1, 2016 is \$0.34946 per Ccf

**DEVELOPMENTAL NATURAL GAS VEHICLE SERVICE – RATE NGVS (PAGE No. 135)**

The Gas Cost Rate (GCR) effective March 1, 2016 is \$0.34946 per Ccf. Corrected typographical error referencing "PHA" to "NGVS."

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**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 \$(0.01318) per Ccf for Commodity Costs and \$(0.01198) per Ccf for Demand Costs, for service on or after March 1, 2016. The total GAC is \$(0.02516) per Ccf. (D)

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.

**(D) – Decrease**

IRC - Interruptible Revenue Credit - The credit defined in Subsection VI below. The currently effective IRC is \$0.00023 per Ccf for service on or after March 1, 2016. (I)

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 \$0.26543 per Ccf for Commodity Costs and \$0.10942 per Ccf for Demand Costs, for service on or after March 1, 2016. The total SSC is \$0.37485 per Ccf. (D)

(I)– Increase; (D) – Decrease

III. COMPUTATION OF GAS COST RATE

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:

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

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 \$0.34946 per Ccf, for service on or after March 1, 2016.

(D)

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).

(D) – Decrease

### 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: 4.68% - GS Residential (“GS RES”); 0.28% - GS Commercial (“GS COM”); and 0.30% - 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):

	GS RES	GS PH	GS COM	GS IND	MS	PHA	NGVS
<b>SSC</b>	\$0.37485	\$0.37485	\$0.37485	\$0.37485	\$0.37485	\$0.37485	\$0.37485
<b>GAC</b>	(\$0.02516)	(\$0.02516)	(\$0.02516)	(\$0.02516)	(\$0.02516)	(\$0.02516)	(\$0.02516)
<b>MFC</b>	\$0.01635	\$0.00000	\$0.00098	\$0.00105	\$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>	\$0.37004	\$0.35369	\$0.35467	\$0.35474	\$0.35369	\$0.35369	\$0.35369

(C)

(C) - Change

### 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) \$0.00030 per Ccf for Residential and Public Housing Customers on Rate GS; | (I)  |
| b) \$0.00570 per Ccf for Commercial Customers on Rate GS;                     | (I)  |
| c) \$0.02888 per Ccf for Industrial Customers on Rate GS;                     | (I)  |
| d) \$0.00000 per Ccf for Municipal Customers on Rate MS; and                  | (NC) |
| e) \$0.00570 per Ccf for The Philadelphia Housing Authority on Rate PHA.      | (I)  |

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 the Conservation Works Program (CWP) and the Enhanced Low Income Retrofit Program (ELIRP); and, 4) 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 = \$ 0.13679/Ccf.

(I)

(D) - Increase



### GENERAL SERVICE - RATE GS

Rate: Applicable to all Retail Sales Service or Transportation Service rendered pursuant to this Rate Schedule on or after March 1, 2016

#### 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)):

\$ 12.00 per month for Residential and Public Housing Authority Customers.  
\$ 18.00 per month for Commercial Customers  
\$ 50.00 per month for Industrial Customers

Surcharge: Distribution System Improvement Charge.

Plus,

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

\$ 0.34946 per Ccf for Residential and Public Housing (D)  
\$ 0.34946 per Ccf for Commercial Customers (D)  
\$ 0.34946 per Ccf for Industrial Customers (D)

Plus,

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

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

\$0.60067 per Ccf for Residential  
\$0.49441 per Ccf for Public Housing  
\$0.45984 per Ccf for Commercial and Municipal Customers  
\$0.45332 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.

(D) – Decrease

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

**MUNICIPAL SERVICE - RATE MS**

Rate: Applicable to all Retail Sales Service or Transportation Service rendered pursuant to this Rate Schedule on or after March 1, 2016.

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):

\$ 18.00 per month

Surcharge: Distribution System Improvement Charge.

Plus,

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

\$ 0.34946 per Ccf

(D)

Plus,

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

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

\$0.33661 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.

(D) – Decrease

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

**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 March 1, 2016

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);

\$18.00 per month

Surcharge: Distribution System Improvement Charge.

Plus,

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

\$ 0.34946 per Ccf

(D)

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):

\$0.41101 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.

(D) – Decrease

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

**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  
March 1, 2016

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): **(C)**

\$ 0.34946 per Ccf **(D)**

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.

**(D) – Decrease; (C) - Change**

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

# SUPPORTING SCHEDULES

**Philadelphia Gas Works**  
**Levelized Gas Cost Rate**  
**2nd Qtr Filing - March 1, 2016**

Formula:  
GCR = SSC + GAC - IRC

where:

	<u>Demand</u>	<u>Commodity</u>	<u>Total</u>	
S = Firm Sales (Mcf)			45,977,125	Schedule 2
<hr/>				
Net Natural Gas Expense	\$ 55,121,609	\$ 120,002,977	\$ 175,124,586	
Purchased Electric & Misc Expense:	\$ -	\$ 832,724	\$ 832,724	
Total Natural Gas Expense	\$ 55,121,609	\$ 120,835,702	\$ 175,957,310	Schedule 3
C-Factor Reconciliation	\$ (4,129,762)	\$ 2,858,775	\$ (1,270,987)	Schedule 4(b)
C = Total Applicable GCR Expense	\$ 50,991,847	\$ 123,694,477	\$ 174,686,324	
<hr/>				
SSC = C / S	\$ 1.1091	\$ 2.6903	\$ 3.7994	
<hr/>				
Adjustment For:				
E-Factor Volumes (Mcf)			16,692,577	
E-Factor Reconciliation	\$ (1,893,135)	\$ (2,084,039)	\$ (3,977,175)	Schedule 4(c)
<hr/>				
E = E-Factor	\$ (0.1134)	\$ (0.1248)	\$ (0.2383)	
<hr/>				
Interruptible Revenue Credit			\$ 101,177	Schedule 5(a)
IRC = Interruptible Revenue Credit / S			\$ 0.0022	
<hr/>				
Net Applicable GCR Expenses = C + E - Interruptible Revenue Credit			\$ 170,607,972	
<u>GCR = SSC + GAC - IRC</u>			\$ 3.5589	
<hr/>				
SSC in effect 3/01/16	\$ 1.0942	\$ 2.6543	\$ 3.7485	
GAC in effect 3/01/16	\$ (0.1198)	\$ (0.1318)	\$ (0.2516)	
IRC in effect 3/01/16			\$ (0.0023)	
GCR in effect 3/01/16			\$ 3.4946	Schedule 6
<hr/>				

Recovery Test on:

Firm Sales (Mcf)	45,977,125	
= GCR Projected Recovery	\$ 168,705,940	
= Load Balancing Revenue	\$ 1,180,123	
= LNG Sales Demand Revenue	\$ 723,455	
= Total Projected Recovery	\$ 170,609,518	Schedule 6
Compared To		
Net Applicable GCR Expenses	\$ 170,607,972	
= Net Over/(Under) Recovery	\$ 1,547	

Degree Days

4,237

## Philadelphia Gas Works

Price To Compare (\$ / MCF)

March 1, 2016

	GCR	GCA	SSC	MFC	MFC Charge	GPC Charge	GAC	Price to Compare
	1	2	3 = ( 1 - 2 )	4	5 = ( 1 * 4 )	6	7	8 = ( 3 + 5 + 6 + 7 )
Residential GS	\$3.4946	(\$0.2539)	\$3.7485	4.68%	\$0.1635	\$0.0400	(\$0.2516)	\$3.7004
Commercial GS	\$3.4946	(\$0.2539)	\$3.7485	0.28%	\$0.0098	\$0.0400	(\$0.2516)	\$3.5487
Industrial GS	\$3.4946	(\$0.2539)	\$3.7485	0.30%	\$0.0105	\$0.0400	(\$0.2516)	\$3.5474
Phila. Housing Authority (PHA)	\$3.4946	(\$0.2539)	\$3.7485	0%	\$0.0000	\$0.0400	(\$0.2516)	\$3.5369
Municipal (MS)	\$3.4946	(\$0.2539)	\$3.7485	0%	\$0.0000	\$0.0400	(\$0.2516)	\$3.5369
NGV Firm	\$3.4946	(\$0.2539)	\$3.7485	0%	\$0.0000	\$0.0400	(\$0.2516)	\$3.5369
Phila. Housing Authority (GS)	\$3.4946	(\$0.2539)	\$3.7485	0%	\$0.0000	\$0.0400	(\$0.2516)	\$3.5369



**SALES & VOLUMES**

**MARCH 2016 THROUGH FEBRUARY 2017**

MONTH	FIRM		BILLED SALES 3 = (1 - 2)	INTERRUPTIBLE SALES 4	LNG SALES 4A	AIR CONDITIONING SALES 4B	GCR FIRM SALES 5 = (3 - 4 - 4A - 4B)	SENIOR CITIZEN DISCOUNT SALES 6	APPLICABLE VOLUMES 7 = (5 - 6 + 2)
	TOTAL VOLUMES 1	TRANSPORT VOLUMES 2							
MARCH 2016	7,314,821	628,239	6,686,581	1,236	26,350	-	6,659,996	43,784	7,243,451
APRIL	4,827,862	397,677	4,430,185	1,196	25,500	-	4,403,489	28,294	4,772,872
MAY	2,334,173	235,869	2,098,304	1,236	26,350	47	2,070,671	11,985	2,294,555
JUNE	1,391,957	189,714	1,202,243	1,196	25,500	2,363	1,173,185	5,463	1,357,435
JULY	1,274,640	180,799	1,093,841	1,236	26,350	3,443	1,062,812	4,753	1,238,858
AUGUST	1,132,986	161,147	971,838	1,236	26,350	2,971	941,282	4,165	1,098,264
SEPTEMBER	1,174,565	166,724	1,007,840	1,199	82,192	2,098	922,352	4,025	1,085,051
OCTOBER	1,810,846	259,029	1,551,816	1,239	84,932	539	1,465,107	7,020	1,717,117
NOVEMBER	3,911,581	452,761	3,458,820	1,199	82,192	-	3,375,430	18,657	3,809,534
DECEMBER	6,700,145	700,348	5,999,797	1,239	84,932	-	5,913,626	33,577	6,580,398
JANUARY 2017	10,568,639	921,159	9,647,480	1,239	84,932	-	9,561,310	55,480	10,426,989
FEBRUARY	9,303,761	797,054	8,506,697	1,119	76,712	-	8,428,866	48,176	9,177,754
<b>TOTAL</b>	<b>51,745,974</b>	<b>5,090,529</b>	<b>46,655,444</b>	<b>14,568</b>	<b>652,290</b>	<b>11,461</b>	<b>45,977,125</b>	<b>265,378</b>	<b>50,802,276</b>

**Projected Applicable Fuel Expense  
SUMMARY  
FY 2015-2016 2nd Quarter Filing**

	MARCH 2016	APRIL 2016	MAY 2016	JUNE 2016	JULY 2016	AUGUST 2016	SEPTEMBER 2016	OCTOBER 2016	NOVEMBER 2016	DECEMBER 2016	JANUARY 2017	FEBRUARY 2017	TOTAL
<b>NATURAL GAS BILLED</b>													
DEMAND CHARGE	\$4,781,574	\$4,528,302	\$4,508,333	\$4,525,924	\$4,505,955	\$4,604,709	\$4,470,090	\$4,448,631	\$4,688,817	\$4,715,029	\$4,714,160	\$4,750,085	\$55,121,609
COMMODITY CHARGE	\$13,081,272	\$7,165,105	\$5,521,893	\$3,581,529	\$3,793,340	\$3,825,902	\$4,752,484	\$8,771,217	\$12,800,217	\$18,343,876	\$19,830,222	\$18,024,670	\$119,491,128
<b>TOTAL NATURAL GAS BILLED</b>	<b>\$17,862,846</b>	<b>\$11,693,406</b>	<b>\$10,030,225</b>	<b>\$8,107,453</b>	<b>\$8,299,296</b>	<b>\$8,330,610</b>	<b>\$9,222,575</b>	<b>\$13,219,848</b>	<b>\$17,469,035</b>	<b>\$23,068,906</b>	<b>\$24,544,382</b>	<b>\$22,774,755</b>	<b>\$174,613,337</b>
<b>INTERRUPTIBLE &amp; A/C CREDIT</b>													
SENDOUT VOLUME IN MCF	\$2,804	\$2,668	\$2,679	\$7,263	\$9,812	\$8,896	\$7,809	\$4,501	\$3,154	\$3,462	\$3,608	\$3,244	\$59,898
DKT CONVERSION FACTOR	1,275	1,234	1,324	3,672	4,828	4,341	3,403	1,936	1,138	1,279	1,279	1,155	26,862
PRICE \$/DKT	\$2,0941	\$2,0578	\$1,9276	\$1,8835	\$1,9355	\$1,9518	\$2,1857	\$2,3358	\$2,4273	\$2,5786	\$2,6873	\$2,6747	\$2,6747
<b>GAS USED FOR UTILITY</b>	<b>\$135,268</b>	<b>\$73,161</b>	<b>\$16,046</b>	<b>\$17,558</b>	<b>\$10,512</b>	<b>\$16,899</b>	<b>\$24,086</b>	<b>\$33,053</b>	<b>\$59,228</b>	<b>\$110,204</b>	<b>\$170,634</b>	<b>\$181,628</b>	<b>\$848,276</b>
<b>NATURAL GAS TO STORAGE</b>													
FROM STORAGE PGW	\$0	(\$1,860,696)	(\$2,139,403)	(\$1,823,790)	(\$1,946,703)	(\$1,963,946)	(\$2,251,397)	(\$2,277,074)	\$0	\$0	\$0	\$0	(\$14,362,910)
FT FROM STORAGE	\$1,349,245	\$2,293,324	\$0	\$0	\$0	\$0	\$0	\$0	\$466,289	\$3,620,024	\$5,849,436	\$3,800,866	\$17,379,184
<b>NET NATURAL GAS STORAGE</b>	<b>\$1,349,245</b>	<b>\$332,729</b>	<b>(\$2,139,403)</b>	<b>(\$1,823,790)</b>	<b>(\$1,946,703)</b>	<b>(\$1,963,946)</b>	<b>(\$2,251,397)</b>	<b>(\$2,277,074)</b>	<b>\$466,289</b>	<b>\$3,620,024</b>	<b>\$5,849,436</b>	<b>\$3,800,866</b>	<b>\$3,016,275</b>
<b>LNG TO STORAGE</b>													
FROM LNG PGW	(\$922,667)	(\$743,875)	(\$242,066)	(\$11,656)	\$0	\$0	(\$23,882)	(\$524,829)	(\$992,940)	(\$989,603)	(\$450,793)	(\$301,849)	(\$5,204,060)
FT FROM LNG	\$299,383	\$286,757	\$292,297	\$281,953	\$291,328	\$291,328	\$458,004	\$472,442	\$450,613	\$523,936	\$1,043,858	\$934,601	\$5,626,500
<b>NET LNG STORAGE</b>	<b>(\$623,184)</b>	<b>(\$457,117)</b>	<b>\$50,231</b>	<b>\$270,296</b>	<b>\$291,328</b>	<b>\$291,328</b>	<b>\$434,121</b>	<b>(\$52,387)</b>	<b>(\$542,327)</b>	<b>(\$465,667)</b>	<b>\$593,065</b>	<b>\$632,752</b>	<b>\$422,440</b>
<b>LNG SALES FROM LNG TANK</b>													
SENDOUT VOLUMES (MCF)	\$84,533	\$81,263	\$82,286	\$79,218	\$81,843	\$81,843	\$255,288	\$263,687	\$253,299	\$259,661	\$259,882	\$236,489	\$2,019,292
@ AVG LNG COMMODITY RATE	26,350	25,500	26,350	26,350	26,350	26,350	82,192	84,932	82,192	84,932	84,932	76,712	652,290
<b>NET NATURAL GAS EXPENSE</b>	<b>\$18,366,302</b>	<b>\$11,411,927</b>	<b>\$7,840,043</b>	<b>\$6,449,919</b>	<b>\$6,541,754</b>	<b>\$6,550,354</b>	<b>\$7,118,116</b>	<b>\$10,689,146</b>	<b>\$17,077,316</b>	<b>\$25,839,936</b>	<b>\$30,552,759</b>	<b>\$26,787,013</b>	<b>\$175,124,586</b>
<b>APPLICABLE GCR EXPENSE</b>													
NET NATURAL GAS EXPENSE	\$18,366,302	\$11,411,927	\$7,840,043	\$6,449,919	\$6,541,754	\$6,550,354	\$7,118,116	\$10,689,146	\$17,077,316	\$25,839,936	\$30,552,759	\$26,787,013	\$175,124,586
PURCHASED ELECTRIC & MISC PLANALYTICS	\$82,055	\$57,294	\$43,421	\$36,597	\$43,093	\$36,603	\$20,266	\$49,261	\$50,657	\$76,359	\$106,765	\$105,355	\$707,724
<b>TOTAL APPLICABLE EXPENSES</b>	<b>\$18,448,356</b>	<b>\$11,469,222</b>	<b>\$7,883,464</b>	<b>\$6,486,517</b>	<b>\$6,584,846</b>	<b>\$6,586,958</b>	<b>\$7,138,382</b>	<b>\$10,638,407</b>	<b>\$17,127,973</b>	<b>\$25,916,295</b>	<b>\$30,784,524</b>	<b>\$26,892,368</b>	<b>\$175,967,310</b>
<b>TOTAL GCR FIRM SALES</b>	<b>6,658,996</b>	<b>4,403,489</b>	<b>2,070,671</b>	<b>1,173,185</b>	<b>1,062,812</b>	<b>941,282</b>	<b>922,352</b>	<b>1,465,107</b>	<b>3,375,430</b>	<b>5,913,626</b>	<b>9,561,310</b>	<b>8,428,866</b>	<b>45,977,125</b>

ACTUAL / ESTIMATED DATA - FISCAL YEAR 2016  
PHILADELPHIA GAS WORKS

Rate	Split Month		Split Month		Split Month		
	7/1/2015	9/1/2015	10/1/2015	12/1/2015	1/1/2016	3/1/2016	4/1/2016
SSC in Effect	\$ 4,2385	\$ 4,2506	\$ 4,2626	\$ 4,0715	\$ 3,8804	\$ 3,8145	\$ 3,7485
GAC in Effect	\$ (0,0657)	\$ (0,1276)	\$ (0,1894)	\$ (0,1878)	\$ (0,1861)	\$ (0,2189)	\$ (0,2516)
IRC in Effect	\$ (0,0007)	\$ (0,0008)	\$ (0,0008)	\$ (0,0009)	\$ (0,0009)	\$ (0,0016)	\$ (0,0023)
Total Effective	\$ 4,1721	\$ 4,1223	\$ 4,0724	\$ 3,8829	\$ 3,6934	\$ 3,5940	\$ 3,4946
Percentage of Total	101.6%	103.1%	104.7%	104.9%	105.1%	106.1%	107.3%
E-Factor	-1.6%	-3.1%	-4.7%	-4.8%	-5.0%	-6.1%	-7.2%
IRC-Factor	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%
Total	100%	100%	100%	100%	100%	100%	100%

C-Factor	E-Factor		Interest		FY 2015		
	Over/(Under)	Over/(Under)	Over/(Under)	Over/(Under)	Final	E-Factor	
Demand Charge in Effect	\$ 0,8504	\$ 1,0545	\$ 1,2686	\$ 1,3244	\$ 1,3901	\$ 1,2422	\$ 1,0942
Commodity in Effect	\$ 3,3881	\$ 3,1961	\$ 3,0040	\$ 2,7472	\$ 2,4803	\$ 2,5723	\$ 2,6543
Percentage of Total	20.1%	24.6%	29.5%	32.5%	35.8%	32.6%	29.2%
Demand Charge in Effect	79.9%	75.2%	70.5%	67.5%	64.2%	67.4%	70.8%
Commodity in Effect	100%	100%	100%	100%	100%	100%	100%

Fiscal Year 2015 E-Factor	C-Factor		E-Factor		Interest		FY 2015	
	Over/(Under)	Over/(Under)	Over/(Under)	Over/(Under)	Final	E-Factor		
\$ 8,413,382	\$ (62,649)	\$ 226,479	\$ 8,577,213					
Actual	Sep-2015	Oct-2015	Nov-2015	Dec-2015	Jan-2016	Feb-2016		
Fiscal Year 2015-2016	Actual	Actual	Actual	Actual	Estimated	Estimated		
GCR Firm Sales	894,850	1,338,478	2,406,950	3,852,232	7,177,678	8,709,532		
Migration Rider Sales	19,504	22,521	30,764	53,084	171,219	169,067		
GCR Revenue Billed	\$ 3,730,053	\$ 5,461,240	\$ 9,792,985	\$ 14,993,180	\$ 26,510,036	\$ 32,167,786		
Migration Rider Revenue Billed	\$ (2,811)	\$ (4,265)	\$ (5,819)	\$ (17,380)	\$ (31,864)	\$ (31,463)		
Load Balancing Billed	\$ 80,989	\$ 78,091	\$ 77,245	\$ 84,959	\$ 98,095	\$ 98,740		
LNG Sales Demand Charge Credit	\$ -	\$ -	\$ -	\$ -	\$ 8,271	\$ 34,266		
Total Revenue Billed	\$ 3,808,230	\$ 5,535,066	\$ 9,864,410	\$ 15,060,759	\$ 26,584,538	\$ 32,269,328		
Natural Gas Refunds	\$ -	\$ 6,382	\$ 2,005	\$ -	\$ -	\$ -		
Demand Charges	\$ 4,900,132	\$ 4,875,008	\$ 4,906,154	\$ 4,882,448	\$ 4,843,355	\$ 4,866,667		
Supply Charges	\$ 2,457,185	\$ 5,856,891	\$ 7,834,145	\$ 10,376,701	\$ 21,956,201	\$ 18,724,141		
Net Cost of Fuel	\$ 7,357,317	\$ 10,733,899	\$ 12,740,299	\$ 16,259,149	\$ 26,799,556	\$ 23,690,808		

**FISCAL YEAR 2016  
PHILADELPHIA GAS WORKS  
C-FACTOR RECONCILIATION**

MONTH	NET COST OF FUEL 1	TOTAL GCR REVENUE BILLED 2	C FACTOR % of GCR 3	C FACTOR REVENUE BILLED 4 = ( 2 * 3 )	LOAD BALANCING REVENUE 5	LNG SALES GCR BILLED REVENUE 6	TOTAL C FACTOR REVENUE BILLED 7 = ( 4 + 5 + 6 )	NATURAL GAS REFUNDS 8	OVER/ (UNDER) RECOVERY 9 = ( 7 + 8 - 1 )	CUMULATIVE OVER/(UNDER) 10
	(\$)	(\$)		(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)
SEPTEMBER 2015	7,357,317	3,730,053	103.1%	3,846,146	80,989	0	3,927,135	0	(3,430,182)	(3,430,182)
OCTOBER	10,733,899	5,461,240	104.7%	5,716,305	78,091	0	5,794,395	6,382	(4,933,121)	(8,363,303)
NOVEMBER	12,740,299	9,792,985	104.7%	10,250,362	77,245	0	10,327,608	2,005	(2,410,687)	(10,773,990)
DECEMBER	15,259,149	14,993,180	104.9%	15,721,428	84,959	0	15,806,387	0	547,238	(10,226,752)
JANUARY 2016	26,799,556	26,510,036	105.1%	27,852,262	98,095	8,271	27,958,628	0	1,159,072	(9,067,680)
FEBRUARY	23,590,808	32,167,786	105.1%	33,796,468	98,740	34,266	33,929,474	0	10,338,667	1,270,987



**FISCAL YEAR 2016  
PHILADELPHIA GAS WORKS  
E-FACTOR RECONCILIATION**

MONTH	MIGRATION RIDER SALES		TOTAL E-FACTOR VOLUMES		TOTAL GCR REVENUE BILLED	E-FACTOR % of GCR	E-FACTOR REVENUE BILLED	MIGRATION RIDER REVENUES	TOTAL E-FACTOR REVENUE	OVER/(UNDER) PROJECTED RECOVERY
	1	2	3=(1+2)	4						
PRIOR YEAR E-FACTOR	(MCF)	(MCF)	(MCF)	(MCF)	(\$)		(\$)	(\$)	(\$)	(\$)
SEPTEMBER 2015										
OCTOBER	894,850	19,504	914,354	3,730,053		-3.1%	(115,415)	(2,811)	(118,226)	8,458,987
Actual	1,338,478	22,521	1,360,999	5,461,240		-4.7%	(253,992)	(4,265)	(258,257)	8,200,730
NOVEMBER	2,405,950	30,764	2,436,714	9,792,985		-4.7%	(455,454)	(5,819)	(461,273)	7,739,457
Actual	3,852,232	93,084	3,945,316	14,993,180		-4.8%	(724,966)	(17,380)	(742,345)	6,997,112
JANUARY	7,177,678	171,219	7,348,897	26,510,036		-5.0%	(1,335,766)	(31,864)	(1,367,630)	5,629,482
Estimated	8,709,532	169,067	8,878,599	32,167,786		-5.0%	(1,620,844)	(31,463)	(1,652,307)	3,977,175
FEBRUARY										
TOTAL	16,310,435	382,142	16,692,577	57,660,350			(3,886,125)	(91,049)	(3,977,175)	
MARCH	6,658,996	133,863	6,792,859	23,932,431			(1,586,573)	(31,894)	(1,618,467)	
Estimated	4,403,489	84,736	4,488,225	15,368,434			(1,049,176)	(20,189)	(1,069,365)	
APRIL	2,070,671	50,258	2,120,929	7,236,167			(493,358)	(11,975)	(505,333)	
Estimated	1,173,185	40,424	1,213,608	4,099,811			(279,523)	(9,631)	(289,154)	
MAY	1,062,812	38,524	1,101,337	3,714,104			(253,226)	(9,179)	(262,405)	
Estimated	941,282	34,337	975,618	3,269,403			(224,270)	(8,181)	(232,451)	
JUNE										
JULY										
AUGUST										
TOTAL	16,310,435	382,142	16,692,577	57,660,350			(3,886,125)	(91,049)	(3,977,175)	

MARCH 1, 2016 E-FACTOR -0.2383

6 = (Col 1 \* -2383) 7 = (Col 2 \* -.2383)

**FISCAL YEAR 2016  
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>
	\$		\$
SEPTEMBER 2015	3,730,053	-0.02%	(679)
OCTOBER	5,461,240	-0.02%	(1,073)
NOVEMBER	9,792,985	-0.02%	(1,924)
DECEMBER	14,993,180	-0.02%	(3,282)
JANUARY 2016	26,510,036	-0.02%	(6,460)
FEBRUARY	32,167,786	-0.02%	(7,839)

**FISCAL YEAR 2016  
PHILADELPHIA GAS WORKS  
RECONCILIATION OF DEMAND CHARGES**

MONTH	DEMAND CHARGES LESS LOAD BALANCING CHARGE REVENUE 1	DEMAND REVENUE BILLED 2	MONTHLY DEMAND OVER/(UNDER) 3 = (2 - 1)	CUMULATIVE DEMAND OVER/(UNDER) 4
	\$	\$	\$	\$
SEPTEMBER 2015	4,819,143	943,619	(3,875,524)	(3,875,524)
OCTOBER	4,796,917	1,684,608	(3,112,309)	(6,987,833)
NOVEMBER	4,828,909	3,028,129	(1,800,780)	(8,788,613)
DECEMBER	4,797,489	5,101,703	304,214	(8,484,399)
JANUARY 2016	4,736,988	9,977,690	5,240,702	(3,243,698)
FEBRUARY	4,733,661	12,107,121	7,373,459	4,129,762



**INTERRUPTIBLE REVENUE CREDIT**  
**March 1, 2016**

Fiscal Year 2015 Reconciliation (8/31/15) \$ 33,111

<u>MONTH</u>	<u>IRC CREDIT</u>	<u>MARGIN</u>	
September-15	Actual \$ (679)	\$ 417	
October	Actual \$ (1,073)	\$ 11,721	
November	Actual \$ (1,924)	\$ 60,473	
December	Actual \$ (3,282)	\$ 3,992	
January-16	Estimated \$ (6,460)	\$ 927	
February	Estimated \$ (7,839)	\$ 867	
Act/Est IRC Credit September 2015 to February 2016	<u>\$ (21,257)</u>		
Act/Est Margin September 2015 to February 2016		<u>\$ 78,397</u>	<u>\$ 78,397</u>
FY 2015 Reconciliation Plus Act/Est Margin September 2015 to February 2016			<u>\$ 111,508</u>

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FY 2015 Reconciliation Plus Act/Est Margin September 2015 to February 2016	\$ 111,508	
Act/Est IRC Credit September 2015 to February 2016	<u>\$ (21,257)</u>	
Reconciliation as of February 29, 2016	\$ 90,251	
Margin - March 2016 through February 2017	<u>\$ 10,926</u>	Schedule 5(b)
March 1, 2016 Interruptible Revenue Credit	\$ 101,177	

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GCR Firm Sales **45,977,125** Schedule 2

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March 1, 2016 IRC/Mcf \$ 0.0022

**INTERRUPTIBLE REVENUE MARGIN**  
**2ND QTR FILING**

<u>MONTH</u>			<u>MARGIN</u>
March-16	Estimated	\$	927
April	Estimated	\$	897
May	Estimated	\$	927
June	Estimated	\$	897
July	Estimated	\$	927
August	Estimated	\$	927
September	Estimated	\$	899
October	Estimated	\$	929
November	Estimated	\$	899
December	Estimated	\$	929
January-17	Estimated	\$	929
February	Estimated	\$	839
Total		\$	<u>10,926</u>

**CALCULATION OF RECOVERED CHARGES**  
**2nd Qtr Filing**  
**March 1, 2016**

	<u>50% March</u>	<u>11.5 Months</u>	<u>Total</u>
			(MCF)            (\$)
S - Firm Sales (Mcf)	3,329,498	42,647,627	45,977,125
C-Factor	\$ 3.8804	\$ 3.7485	
Projected Recovery	12,919,784	159,864,629	\$ 172,784,412
S - Firm Sales (Mcf)	3,329,498	42,647,627	45,977,125
IRC-Factor	\$ (0.0009)	\$ (0.0023)	
Projected Recovery	(2,997)	(98,090)	\$ (101,086)
E-Factor Volumes (Mcf)	3,396,430	13,296,147	16,692,577
E-Factor	\$ (0.1861)	\$ (0.2516)	
Projected Recovery	(632,076)	(3,345,311)	\$ (3,977,386)
GCR (\$ / Mcf)	\$ 3.6934	\$ 3.4946	
<hr/>			
GCR Projected Recovery			\$ 168,705,940
Load Balancing Revenue			\$ 1,180,123
LNG Sales Demand Revenue			<u>\$ 723,455</u>
<b>TOTAL PROJECTED RECOVERY</b>			<b>\$ 170,609,518</b>

**Change In Rates**  
**2nd Quarter Filing**  
**Rates Effective March 1, 2016**

**Current Rates**

	<u>12/01/15</u> <u>Distribution Charge</u> (1)	<u>12/01/15</u> <u>GCR</u> (2)	<u>12/01/15</u> <u>MFC</u> (3)	<u>12/01/15</u> <u>GPC</u> (4)	<u>12/01/15</u> <u>Commodity</u> <u>Rate</u> (5)=(1)+(2)+(3)+(4)
Residential GS	\$7.3827	\$3.6934	\$0.1729	\$0.0400	\$11.2890
Commercial GS	\$6.0163	\$3.6934	\$0.0103	\$0.0400	\$9.7600
Industrial GS	\$6.1327	\$3.6934	\$0.0111	\$0.0400	\$9.8772
Phila.Housing Authority (PHA)	\$5.5280	\$3.6934	\$0.0000	\$0.0400	\$9.2614
Municipal (MS)	\$4.7394	\$3.6934	\$0.0000	\$0.0400	\$8.4728
Phila.Housing Authority (GS)	\$6.3201	\$3.6934	\$0.0000	\$0.0400	\$10.0535

**March 1, 2016 - Distribution Charge**

	<u>Delivery</u> <u>Delivery</u> <u>Charge</u> (6)	<u>Surcharges</u>				<u>Total</u> <u>Total</u> <u>Surcharges</u> (11)=(7)+(8)+(9)+(10)	<u>Distribution</u> <u>Charge / Mcf</u> (12)=(11)+(6)
		<u>Other Post</u> <u>Employment</u> <u>Benefit</u> (7)	<u>Efficiency</u> <u>Cost</u> <u>Recovery</u> (8)	<u>Universal</u> <u>Service &amp;</u> <u>Ener. Cons.</u> (9)	<u>Restructuring &amp;</u> <u>Consumer</u> <u>Education</u> (10)		
Residential GS	\$6.0067	\$0.3003	\$0.0030	\$1.3679	\$0.0061	\$1.6773	\$7.6840
Commercial GS	\$4.5984	\$0.3003	\$0.0570	\$1.3679	\$0.0061	\$1.7313	\$6.3297
Industrial GS	\$4.5332	\$0.3003	\$0.2888	\$1.3679	\$0.0061	\$1.9631	\$6.4963
Phila.Housing Authority (PHA)	\$4.1101	\$0.3003	\$0.0570	\$1.3679	\$0.0061	\$1.7313	\$5.8414
Municipal (MS)	\$3.3661	\$0.3003	\$0.0000	\$1.3679	\$0.0061	\$1.6743	\$5.0404
Phila.Housing Authority (GS)	\$4.9441	\$0.3003	\$0.0030	\$1.3679	\$0.0061	\$1.6773	\$6.6214

**Proposed Rates**

	<u>03/01/16</u> <u>Distribution Charge</u> (12)	<u>03/01/16</u> <u>GCR</u> (13)	<u>03/01/16</u> <u>MFC</u> (14)	<u>03/01/16</u> <u>GPC</u> (15)	<u>03/01/16</u> <u>Commodity</u> <u>Rate</u> (16)=(12)+(13)+(14)+(15)	<u>Difference</u> (17)=(16)-(5)
Residential GS	\$7.6840	\$3.4946	\$0.1635	\$0.0400	\$11.3821	\$0.0931
Commercial GS	\$6.3297	\$3.4946	\$0.0098	\$0.0400	\$9.8741	\$0.1141
Industrial GS	\$6.4963	\$3.4946	\$0.0105	\$0.0400	\$10.0414	\$0.1642
Phila.Housing Authority (PHA)	\$5.8414	\$3.4946	\$0.0000	\$0.0400	\$9.3760	\$0.1146
Municipal (MS)	\$5.0404	\$3.4946	\$0.0000	\$0.0400	\$8.5750	\$0.1022
Phila.Housing Authority (GS)	\$6.6214	\$3.4946	\$0.0000	\$0.0400	\$10.1560	\$0.1025

**PHILADELPHIA GAS WORKS**  
**March 1, 2016 - 2ND QTR FILING**  
**UNIVERSAL SERVICE & ENERGY CONSERVATION SURCHARGE**

	<u>Expenses in the Surcharge</u>
Enhanced Low Income Retrofit Program (ELIRP)	\$ 4,820,974
Customer Responsibility Program (CRP)	\$ 47,858,598
Senior Citizen Discount *	\$ 3,222,602
<u>February 16 Under Collection</u>	<u>\$ 13,587,714</u>
Total \$ to be Recovered	\$ 69,489,887
 Total Applicable Volumes	 Mcf 50,800,502
 Universal Service & Energy Conservation Surcharge	 <u><u>\$ 1.3679</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 \$3,600,409.

**STATEMENT OF RECONCILIATION  
UNIVERSAL SERVICES & ENERGY CONSERVATION SURCHARGE  
SEPTEMBER 2015 THROUGH FEBRUARY 2016**

Month FY 15 Reconciliation	USC Applicable Volumes	USC Charge	USC Revenue Billed	USC Expenses	Monthly Over/(Under) Recovery	Cumulative Over/(Under) Recovery
September 2015	1,035,315	\$ 1,4187	\$ 1,468,750	\$ (1,940,513)	\$ 3,409,263	\$ (5,886,644)
October	1,530,956	\$ 1,3471	\$ 2,062,351	\$ (179,146)	\$ 2,241,497	\$ (3,645,147)
November	2,667,452	\$ 1,3471	\$ 3,593,325	\$ 3,725,297	\$ (131,973)	\$ (3,777,119)
December	4,261,276	\$ 1,2070	\$ 5,143,360	\$ 7,360,541	\$ (2,217,181)	\$ (5,994,301)
January 2016	7,933,484	\$ 1,0669	\$ 8,464,234	\$ 11,226,443	\$ (2,762,209)	\$ (8,756,510)
February	9,444,034	\$ 1,0669	\$ 10,075,840	\$ 14,907,044	\$ (4,831,204)	\$ (13,587,714)
<b>USC Expenses</b>						
ELIRP Expense	\$ 2,532	\$ 553,720	\$ 622,738	\$ 602,084	\$ 789,324	\$ 789,324
ELIRP Labor	\$ 10,623	\$ 12,196	\$ 8,913	\$ 8,759	\$ 14,172	\$ 14,172
CRP Discount	\$ (2,580,366)	\$ (1,452,007)	\$ 2,250,502	\$ 5,686,259	\$ 9,003,781	\$ 12,545,736
CRP Forgiveness	\$ 533,280	\$ 561,291	\$ 542,000	\$ 616,950	\$ 835,214	\$ 842,174
Senior Citizen Discount	\$ 93,418	\$ 145,654	\$ 301,144	\$ 446,490	\$ 583,953	\$ 715,639
Bad Debt Expense Offset*	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total</b>	\$ (1,940,513)	\$ (179,146)	\$ 3,725,297	\$ 7,360,541	\$ 11,226,443	\$ 14,907,044

<b>CRP Participation</b>	
Rate Case Participation Rate	84,000
Actual Participation Rate*	58,609
CRP Under(Over) Participation	25,391
<b>Average Shortfall Per CRP Participant</b>	
CRP Discount	\$ (2,580,366)
Actual Participation Rate	\$ 58,609
Average Shortfall per CRP Participant	\$ (44)
Shortfall*	\$ -
Bad Debt Expense Offset*	\$ -
*Bad Debt Expense Offset Applicable When Actual CRP Participation Exceeds 84,000	

## EFFICIENCY COST RECOVERY (ECR) SURCHARGE

March 1, 2016

<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	\$438,548	\$51,292	\$511	\$490,351
Labor Expense	\$7,792	\$924	\$13	\$8,729
<b>Commercial &amp; Industrial Retrofit Incentive (CIRI)</b>				
Program Expense	\$77,614	\$140,126	\$0	\$217,740
Labor Expense	\$1,102	\$2,090	\$0	\$3,193
<b>Commercial &amp; Industrial Equipment Rebate (CIER)</b>				
Program Expense	\$4,711	\$153,774	\$36,962	\$195,447
Labor Expense	\$81	\$2,662	\$781	\$3,524
<b>High-Efficiency Construction Incentive (HECI)</b>				
Program Expense	\$55,233	\$73,780	\$0	\$129,013
Labor Expense	\$673	\$1,361	\$0	\$2,033
<b>Comprehensive Residential Retrofit Incentive (CRRRI)</b>				
Program Expense	\$368,353	\$6,075	\$0	\$374,428
Labor Expense	<u>\$7,349</u>	<u>\$139</u>	<u>\$0</u>	<u>\$7,488</u>
<b>Total Expense</b>	\$961,455	\$432,224	\$38,266	\$1,431,946
<b>Prior Period Reconciliation (2/29/16)</b>	<u>\$ (922,357)</u>	<u>\$ (190,849)</u>	<u>\$ 62,647</u>	<u>\$ (1,050,559)</u>
<b>Total</b>	\$39,098	\$241,375	\$100,914	\$381,387
<b>Volumes - Mcf (GCR Firm &amp; Firm Transportation)</b>	13,190,165	4,233,116	349,472	

<b>Efficiency Cost Recovery Surcharge / Mcf</b>	<b>\$0.0030</b>	<b>\$0.0570</b>	<b>\$0.2888</b>
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**EFFICIENCY COST RECOVERY (ECR) SURCHARGE  
STATEMENT OF RECONCILIATION**

**2nd Quarter Filing**

	Actual Sep-15	Actual Oct-15	Actual Nov-15	Actual Dec-15	Estimated Jan-16	Estimated Feb-16
<b>RESIDENTIAL &amp; PHA GS</b>						
FY 2015 Over-Collection	\$ 1,566,406					
Volume Billed	\$ 646,466	\$ 991,567	\$ 1,879,532	\$ 3,150,135	\$ 5,811,809	\$ 7,232,573
ECR Surcharge	\$ 0,0045	\$ 0,0071	\$ 0,0071	\$ 0,0049	\$ 0,0027	\$ 0,0027
Revenue Billed	\$ 2,909	\$ 7,040	\$ 13,345	\$ 15,436	\$ 15,692	\$ 19,528
RHER	\$ 233	\$ 83,436	\$ 30,200	\$ 45,339	\$ 73,091	\$ 73,091
RHER	\$ 976	\$ 1,121	\$ 850	\$ 805	\$ 1,299	\$ 1,299
HECI	\$ 27	\$ 2,894	\$ 7,426	\$ 3,268	\$ 9,205	\$ 9,205
HECI	\$ 115	\$ 131	\$ 422	\$ 94	\$ 112	\$ 112
CRRI	\$ 219	\$ 373	\$ 172,355	\$ 36,556	\$ 61,392	\$ 61,392
CRRI	\$ 919	\$ 1,056	\$ 785	\$ 758	\$ 1,225	\$ 1,225
CIRI	\$ 34	\$ 4,372	\$ 37	\$ 425	\$ 12,936	\$ 12,936
CIRI	\$ 142	\$ 163	\$ 167	\$ 117	\$ 184	\$ 184
CIER	\$ 2	\$ 390	\$ (19)	\$ 1,282	\$ 785	\$ 785
CIER	\$ 10	\$ 12	\$ 12	\$ 9	\$ 13	\$ 13
Total	\$ 2,678	\$ 93,947	\$ 212,235	\$ 88,653	\$ 160,242	\$ 160,242
Monthly Over/(Under)	\$ 231	\$ (86,907)	\$ (198,891)	\$ (73,217)	\$ (144,551)	\$ (140,715)
Cumulative Over/(Under)	\$ 1,566,637	\$ 1,478,730	\$ 1,280,839	\$ 1,207,622	\$ 1,063,071	\$ 922,357
<b>COMMERCIAL &amp; PHA</b>						
FY 2015 Over-Collection	\$ 201,156					
Volume Billed	\$ 349,209	\$ 487,460	\$ 700,057	\$ 971,790	\$ 1,816,318	\$ 1,902,354
ECR Surcharge	\$ 0,0221	\$ 0,0243	\$ 0,0243	\$ 0,0345	\$ 0,0446	\$ 0,0446
Revenue Billed	\$ 7,700	\$ 11,845	\$ 17,011	\$ 33,478	\$ 81,008	\$ 84,845
RHER	\$ 27	\$ 9,679	\$ 2,943	\$ 5,259	\$ 8,549	\$ 8,549
RHER	\$ 113	\$ 130	\$ 71	\$ 83	\$ 154	\$ 154
CRRI	\$ 4	\$ 7	\$ 3,514	\$ 640	\$ 1,013	\$ 1,013
CRRI	\$ 16	\$ 18	\$ -	\$ 13	\$ 23	\$ 23
CIRI	\$ 61	\$ 7,892	\$ 27	\$ 768	\$ 23,354	\$ 23,354
CIRI	\$ 257	\$ 295	\$ 168	\$ 212	\$ 348	\$ 348
CIER	\$ 83	\$ 13,026	\$ 4,312	\$ 42,854	\$ 25,629	\$ 25,629
CIER	\$ 348	\$ 400	\$ 459	\$ 287	\$ 444	\$ 444
HECI	\$ 33	\$ 3,526	\$ 397	\$ 3,981	\$ 12,297	\$ 12,297
HECI	\$ 140	\$ 160	\$ (208)	\$ 115	\$ 227	\$ 227
Total	\$ 1,082	\$ 35,132	\$ 11,682	\$ 54,222	\$ 72,037	\$ 72,037
Monthly Over/(Under)	\$ 6,618	\$ (23,286)	\$ 5,329	\$ (20,744)	\$ 8,970	\$ 12,808
Cumulative Over/(Under)	\$ 207,773	\$ 184,487	\$ 189,816	\$ 169,071	\$ 178,042	\$ 190,849
<b>INDUSTRIAL</b>						
FY 2015 Under-Collection	\$ (113,291)					
Volume Billed	\$ 28,538	\$ 36,712	\$ 48,035	\$ 70,044	\$ 158,399	\$ 150,819
ECR Surcharge	\$ (0,0102)	\$ (0,0091)	\$ (0,0091)	\$ 0,1086	\$ 0,2262	\$ 0,2262
Revenue Billed	\$ (291)	\$ (334)	\$ (437)	\$ 7,603	\$ 35,830	\$ 34,115
RHER	\$ 0	\$ 81	\$ (83)	\$ 44	\$ 85	\$ 85
RHER	\$ 1	\$ 1	\$ (6)	\$ 1	\$ 2	\$ 2
CIRI	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CIRI	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CIER	\$ 19	\$ 3,053	\$ (211)	\$ 10,045	\$ 6,160	\$ 6,160
CIER	\$ 82	\$ 94	\$ (102)	\$ 67	\$ 130	\$ 130
Total	\$ 102	\$ 3,229	\$ (402)	\$ 10,157	\$ 6,378	\$ 6,378
Monthly Over/(Under)	\$ (393)	\$ (3,563)	\$ (35)	\$ (2,554)	\$ 29,452	\$ 27,738
Cumulative Over/(Under)	\$ (113,685)	\$ (117,248)	\$ (117,283)	\$ (119,837)	\$ (90,385)	\$ (62,647)

**PHILADELPHIA GAS WORKS  
LOAD BALANCING CHARGE  
MARCH 1, 2016**

Storage and Peaking Asset Cost	\$	14,088,174
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Design Day Requirements (Mcf)		653,198
Fulfilled from FT Capacity (Mcf)		<u>292,757</u>
Fulfilled from Storage and Peaking Assets (Excess Mcf)		360,441

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Annual Storage and Peaking Cost per Excess Mcf	\$	39.0860
Per Mcf Over / (Under) Adjustment	\$	<u>0.0917</u>
Load Balancing Charge	\$	38.9943

Over / (Under) Recovery	\$	28,975
Interest	\$	<u>4,317</u>
Total Over/(Under) Recovery	\$	33,292
Forecasted SSPC Volumes		363,168
Per Mcf Over / (Under) Adjustment	\$	0.0917

## Natural Gas Prices Used for PGW's - FY 2015-2016 - 2nd Quarter GCR Filing

### Basis Differentials

	TRANSCO										NYMEX Futures 01/13/16 Close	TRANSCO					TETCO								
	Sta 30	Sta 45	Sta 65	Sta 85	ELA	WLA	M-1	M-2	Sta 30	Sta 45		Sta 65	Sta 85	ELA	WLA	M-1	M-2	Sta 30	Sta 45	Sta 65	Sta 85	ELA	WLA	M-1	M-2
2016:2	(0.11)	(0.14)	(0.02)	(0.01)	(0.06)	(0.08)	(0.10)	(0.72)	2.16	2.13	2.25	2.26	2.21	2.19	2.17	1.55	2.18	2.15	2.27	2.28	2.23	2.21	2.19	2.17	1.57
2016:3	(0.11)	(0.14)	(0.02)	(0.01)	(0.06)	(0.08)	(0.10)	(0.72)	2.23	2.20	2.32	2.33	2.28	2.26	2.24	1.62	2.28	2.25	2.37	2.38	2.33	2.31	2.29	1.67	
2016:4	(0.11)	(0.14)	(0.02)	(0.01)	(0.06)	(0.08)	(0.10)	(0.72)	2.28	2.25	2.37	2.38	2.33	2.31	2.29	1.67	2.33	2.30	2.42	2.43	2.38	2.36	2.34	1.72	
2016:5	(0.11)	(0.14)	(0.02)	(0.01)	(0.06)	(0.08)	(0.10)	(0.72)	2.33	2.30	2.42	2.43	2.38	2.36	2.34	1.72	2.38	2.35	2.47	2.48	2.43	2.41	2.39	1.77	
2016:6	(0.11)	(0.14)	(0.02)	(0.01)	(0.06)	(0.08)	(0.10)	(0.72)	2.38	2.35	2.47	2.48	2.43	2.41	2.39	1.77	2.40	2.37	2.49	2.50	2.45	2.43	2.41	1.79	
2016:7	(0.11)	(0.14)	(0.02)	(0.01)	(0.06)	(0.08)	(0.10)	(0.72)	2.40	2.37	2.49	2.50	2.45	2.43	2.41	1.79	2.40	2.37	2.49	2.50	2.45	2.43	2.41	1.79	
2016:8	(0.11)	(0.14)	(0.02)	(0.01)	(0.06)	(0.08)	(0.10)	(0.72)	2.40	2.37	2.49	2.50	2.45	2.43	2.41	1.79	2.40	2.37	2.49	2.50	2.45	2.43	2.41	1.79	
2016:9	(0.11)	(0.14)	(0.02)	(0.01)	(0.06)	(0.08)	(0.10)	(0.48)	2.40	2.37	2.49	2.50	2.45	2.43	2.41	2.03	2.40	2.37	2.49	2.50	2.45	2.43	2.41	2.03	
2016:10	(0.11)	(0.14)	(0.02)	(0.01)	(0.06)	(0.08)	(0.10)	(0.48)	2.42	2.39	2.51	2.52	2.47	2.45	2.43	2.05	2.42	2.39	2.51	2.52	2.47	2.45	2.43	2.05	
2016:11	(0.11)	(0.14)	(0.02)	(0.01)	(0.06)	(0.08)	(0.10)	(0.48)	2.50	2.47	2.59	2.60	2.55	2.53	2.51	2.13	2.50	2.47	2.59	2.60	2.55	2.53	2.51	2.13	
2016:12	(0.11)	(0.14)	(0.02)	(0.01)	(0.06)	(0.08)	(0.10)	(0.48)	2.65	2.62	2.74	2.75	2.70	2.68	2.66	2.28	2.65	2.62	2.74	2.75	2.70	2.68	2.66	2.28	
2017:1	(0.11)	(0.14)	(0.02)	(0.01)	(0.06)	(0.08)	(0.10)	(0.48)	2.76	2.73	2.85	2.86	2.81	2.79	2.77	2.39	2.76	2.73	2.85	2.86	2.81	2.79	2.77	2.39	
2017:2	(0.11)	(0.14)	(0.02)	(0.01)	(0.06)	(0.08)	(0.10)	(0.48)	2.75	2.72	2.84	2.85	2.80	2.78	2.76	2.38	2.75	2.72	2.84	2.85	2.80	2.78	2.76	2.38	

**Actual Natural Gas Billed**

	<u>Oct-15</u>	<u>Nov-15</u>	<u>Dec-15</u>
Williams	\$ 2,546,485.81	\$ 2,616,067.58	\$ 2,730,731.79
Texas Eastern	\$ 2,308,045.44	\$ 2,268,484.62	\$ 2,265,131.91
Dominion	\$ 131,574.32	\$ 125,280.55	\$ 124,634.88
Equitrans	\$ -	\$ -	\$ -
Spot Purchases -Transco	\$ -	\$ 16,671.22	\$ 13,593.51
Spot Purchases -Tetco	\$ -	\$ -	\$ -
Transco Supply2	\$ 334,800.00	\$ 344,775.00	\$ 284,025.00
Transco Supply3	\$ 692,850.00	\$ -	\$ -
Transco Supply6	\$ -	\$ 729,750.00	\$ 792,825.00
Transco Supply7	\$ -	\$ -	\$ -
Transco Supply8	\$ 1,052,737.50	\$ 1,043,505.84	\$ 1,049,350.00
Transco Supply10	\$ 400,287.50	\$ 847,500.00	\$ 875,750.00
Transco Supply12	\$ -	\$ -	\$ -
Transco Supply14	\$ 408,812.50	\$ -	\$ -
Transco Supply17	\$ -	\$ -	\$ -
Transco Supply20	\$ -	\$ -	\$ -
Transco Supply21	\$ -	\$ -	\$ -
Transco Supply22	\$ 737,184.13	\$ 471,862.50	\$ 664,825.00
Transco Supply23	\$ 415,865.00	\$ 745,500.00	\$ 678,900.00
Transco Supply24	\$ -	\$ -	\$ -
Transco Supply25	\$ 914,675.07	\$ -	\$ -
Transco Supply26	\$ -	\$ -	\$ -
Transco Supply27	\$ -	\$ -	\$ -
Transco Supply28	\$ -	\$ -	\$ -
Transco Supply29	\$ -	\$ -	\$ -
Transco Supply30	\$ -	\$ 402,375.00	\$ 415,787.50
Transco Supply31	\$ -	\$ 402,750.00	\$ 416,175.00
Tetco Supply1	\$ -	\$ -	\$ -
Tetco Supply2	\$ -	\$ -	\$ -
Tetco Supply3	\$ -	\$ -	\$ -
Tetco Supply4	\$ -	\$ -	\$ -
Tetco Supply5	\$ -	\$ 396,900.00	\$ 463,760.00
Tetco Supply7	\$ -	\$ -	\$ -
Tetco Supply13	\$ 500,030.00	\$ -	\$ -
Tetco Supply14	\$ -	\$ -	\$ -
Tetco Supply16	\$ 412,300.00	\$ 306,750.00	\$ 380,525.00
Tetco Supply17	\$ -	\$ -	\$ -
Tetco Supply18	\$ -	\$ -	\$ -
Tetco Supply19	\$ -	\$ 403,500.00	\$ 416,950.00
Tetco Supply20	\$ -	\$ -	\$ -
Tetco Supply21	\$ -	\$ -	\$ -
Tetco Supply22	\$ -	\$ -	\$ -
Tetco Supply23	\$ -	\$ -	\$ -
Tetco Supply24	\$ 543,727.65	\$ 732,000.00	\$ 1,107,500.00
Tetco Supply25	\$ -	\$ 199,200.00	\$ 232,655.00
Tetco Supply26	\$ 761,300.00	\$ 431,622.33	\$ 529,325.00
Tetco Supply27	\$ 182,900.00	\$ -	\$ -
Tetco Supply28	\$ 179,025.00	\$ 182,250.00	\$ 237,925.00
Tetco Supply29	\$ -	\$ 361,500.00	\$ 327,050.00
<b>Total Costs</b>	<b>\$ 12,522,600</b>	<b>\$ 13,028,245</b>	<b>\$ 14,007,420</b>
Sharing Mechanism	\$ 108,456	\$ 122,586	\$ 126,672
Asset Management Agreement	\$ -	\$ -	\$ -
Off System Sales	\$ -	\$ -	\$ -
Gas Transportation Purchases	\$ 1,523	\$ 539	\$ 4,102
Adjustment/Reconciliation	\$ 1,035,541	\$ (2,449,523)	\$ (852,483)
<b>Total Natural Gas Billed</b>	<b>\$ 13,668,120</b>	<b>\$ 10,701,846</b>	<b>\$ 13,285,711</b>



**Philadelphia Gas Works  
Summary of Fuels Purchased  
Three Months Ending December 2015**

	Actual			Projected			Projected			Actual		
	Oct-15	Nov-15	Dec-15	Total	Projected 4th Qtr Filing Oct-15	Projected 1st Qtr Filing Nov-15	Projected 1st Qtr Filing Dec-15	Total	Oct-15	Nov-15	Dec-15	Total
Total Natural Gas Billied	\$ 13,668,120	\$ 10,701,846	\$ 13,285,711	\$ 37,655,677	\$ 16,163,029	\$ 18,272,768	\$ 19,560,348	\$ 53,996,144	\$ (2,494,909)	\$ (7,570,922)	\$ (6,274,637)	\$ (16,340,467)
Less Imbalance Charge	\$ 17,198	\$ 38,779	\$ 46,963	\$ 102,940	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Less Interruptible Credit	\$ 5,620	\$ 12,854	\$ 3,708	\$ 22,182	\$ 2,377	\$ 289	\$ 282	\$ 2,949	\$ 3,243	\$ 12,565	\$ 3,426	\$ 19,233
Gas Used For Utility	\$ 43,248	\$ 42,690	\$ 66,823	\$ 152,761	\$ 32,490	\$ 75,687	\$ 123,819	\$ 231,995	\$ 10,758	\$ (32,997)	\$ (56,956)	\$ (79,234)
	\$ 13,602,054	\$ 10,607,523	\$ 13,168,217	\$ 37,377,794	\$ 16,128,162	\$ 18,196,792	\$ 19,436,246	\$ 53,761,200	\$ (2,526,108)	\$ (7,589,269)	\$ (6,288,029)	\$ (16,363,406)
<u>Pipeline Storages</u>												
(To)	\$ (2,811,189)	\$ (765,584)	\$ (872,311)	\$ (4,469,084)	\$ (4,178,902)	\$ (746,675)	\$ -	\$ (4,925,577)	\$ 1,967,713	\$ (48,908)	\$ (872,311)	\$ 456,493
From	\$ 223,356	\$ 3,504,133	\$ 3,535,600	\$ 7,263,089	\$ -	\$ 615,783	\$ 4,288,288	\$ 4,904,071	\$ 223,356	\$ 2,888,350	\$ (752,688)	\$ 2,359,018
Net Pipeline Storages	\$ (2,587,833)	\$ 2,718,549	\$ 2,663,289	\$ 2,794,005	\$ (4,178,902)	\$ (130,892)	\$ 4,288,288	\$ (21,506)	\$ 1,591,069	\$ 2,849,441	\$ (1,624,999)	\$ 2,815,511
<u>LNG Storage</u>												
(To)	\$ (532,112)	\$ (903,635)	\$ (976,111)	\$ (2,311,858)	\$ (911,546)	\$ (1,186,250)	\$ (661,043)	\$ (2,759,839)	\$ 379,434	\$ 282,615	\$ (215,068)	\$ 446,981
From	\$ 212,109	\$ 259,958	\$ 248,190	\$ 720,257	\$ 263,620	\$ 248,346	\$ 362,027	\$ 873,993	\$ (51,511)	\$ 11,612	\$ (113,837)	\$ (153,736)
Net LNG Storage	\$ (320,003)	\$ (643,677)	\$ (727,921)	\$ (1,591,601)	\$ (647,926)	\$ (937,904)	\$ (299,016)	\$ (1,884,846)	\$ 327,923	\$ 294,227	\$ (328,905)	\$ 293,245
Net Natural Gas	\$ 10,694,218	\$ 12,682,395	\$ 15,203,585	\$ 38,560,198	\$ 11,301,334	\$ 17,127,996	\$ 23,425,518	\$ 51,854,848	\$ (607,116)	\$ (4,445,601)	\$ (8,221,933)	\$ (13,274,650)
<u>APPLICABLE GCR EXPENSES</u>												
Net Natural Gas Expense	\$ 10,694,218	\$ 12,682,395	\$ 15,203,585	\$ 38,580,198	\$ 11,301,334	\$ 17,127,996	\$ 23,425,518	\$ 51,854,848	\$ (607,116)	\$ (4,445,601)	\$ (8,221,933)	\$ (13,274,650)
Purchased Electric & Misc	\$ 39,681	\$ 57,904	\$ 55,564	\$ 153,149	\$ 49,636	\$ 76,365	\$ 79,574	\$ 205,575	\$ (8,955)	\$ (18,461)	\$ (24,010)	\$ (52,426)
Total GCR Expenses	\$ 10,733,899	\$ 12,740,299	\$ 15,259,149	\$ 38,733,347	\$ 11,350,970	\$ 17,204,361	\$ 23,505,092	\$ 52,060,423	\$ (617,071)	\$ (4,464,062)	\$ (8,245,943)	\$ (13,327,076)



**PHILADELPHIA GAS WORKS**

800 West Montgomery Avenue • Philadelphia, PA 19122

Brandon J. Pierce, Senior Attorney  
Legal Department  
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May 31, 2016

**VIA FEDERAL EXPRESS**

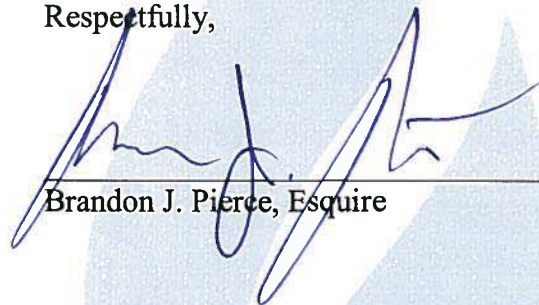
Rosemary Chiavetta, Secretary  
Pennsylvania Public Utility Commission  
Commonwealth Keystone Building  
2<sup>nd</sup> Floor, 1 North  
400 North Street  
Harrisburg, PA 17120

**Re: Pa. PUC v. Philadelphia Gas Works (3<sup>rd</sup> Quarter 2015-2016 GCR Tariff Supplements)  
Docket No.: R-2015-2465656**

Dear Secretary Chiavetta:

On behalf of Philadelphia Gas Works ("PGW"), enclosed please find PGW Gas Service Tariff, Pa. P.U.C. No. 2 Supplement 93; and, PGW Gas Supplier Tariff, Pa. P.U.C. No. 1 Supplement No. 66 which implement PGW's 3<sup>rd</sup> Quarter 2015-2016 Gas Cost Rate ("GCR").

Respectfully,

A handwritten signature in blue ink, appearing to read 'Brandon J. Pierce', is written over a horizontal line. The signature is stylized and cursive.

Brandon J. Pierce, Esquire

Enclosures

cc: Cert. of Service w/enc  
Raquel Guzman, VP Legal & Associate General Counsel, PGW  
Marissa Boyle ([maboyle@pa.gov](mailto:maboyle@pa.gov))

**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.

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Dated: May 31, 2016



Brandon J. Pierce, Esquire



PGW  
Gas Supplier Tariff  
Pa. P.U.C. No. 1  
  
Supplement No. 66

## **PHILADELPHIA GAS WORKS**

### **GAS SUPPLIER TARIFF**



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

List of Changes Made by this Tariff

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

The load balancing charge effective June 1, 2016 is \$39.2266 per design day Mcf.

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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 \$39.2266 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. (I)

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.

**(I) – Increase**

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

Supplement No. 93



**PHILADELPHIA GAS WORKS**  
**GAS SERVICE TARIFF**



Issued by: Craig White  
President and CEO

PHILADELPHIA GAS WORKS  
800 West Montgomery Avenue  
Philadelphia, PA 19122

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

**TABLE OF CONTENTS (Page Nos. 6-7)**

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

**GAS COST RATE (GCR) – SECTION 1307(f), II. DEFINITIONS (Page No. 67)**

In the definition of "GAC," the "GAC" value effective June 1, 2016 decreases from \$(0.02516) per Ccf to \$(0.05353) per Ccf.

**GAS COST RATE (GCR) – SECTION 1307(f), II. DEFINITIONS (Page No. 67A)**

In the definition of "IRC," the "IRC" value effective June 1, 2016 decreases from \$0.00023 to \$0.00019 per Ccf. In the definition of "SSC," the "SSC" value effective June 1, 2016 increases from \$0.37485 per Ccf to \$0.37551 per Ccf.

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

The Gas Cost Rate (GCR) effective June 1, 2016 decreases from \$0.34946 per Ccf to \$0.32179 per Ccf.

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

The Prices to Compare effective June 1, 2016 are: a) \$0.34104 per Ccf for Residential; b) \$0.32688 per Ccf for Commercial Customers on Rate GS; c) \$0.32695 per Ccf for Industrial Customers on Rate GS; and d) \$0.32598 per Ccf for Municipal Customers on Rate MS, The Philadelphia Housing Authority on Rate PHA, Public Housing Customers on Rate GS & Natural Gas Vehicle Service on Rate NGVS.

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

The Efficiency Cost Recovery Surcharges effective June 1, 2016 are: a) \$0.00119 per Ccf for Residential and Public Housing Customers on Rate GS; b) \$0.00476 per Ccf for Commercial Customers on Rate GS; c) \$0.01236 per Ccf for Industrial Customers on Rate GS; d) \$0.00000 per Ccf for Municipal Customers on Rate MS; and e) \$0.00476 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 June 1, 2016 increases from \$0.13679 per Ccf to \$0.15048 per Ccf.

**GENERAL SERVICE – RATE GS (Page No. 83)**

The Gas Cost Rate (GCR) effective June 1, 2016 decreases from \$0.34946 per Ccf to \$0.32179 per Ccf.

**MUNICIPAL SERVICE – RATE MS (Page No. 87)**

The Gas Cost Rate (GCR) effective June 1, 2016 decreases from \$0.34946 per Ccf to \$0.32179 per Ccf.

**PHILADELPHIA HOUSING AUTHORITY SERVICE – RATE PHA (Page No. 90)**

The Gas Cost Rate (GCR) effective June 1, 2016 decreases from \$0.34946 per Ccf to \$0.32179 per Ccf.

**DEVELOPMENTAL NATURAL GAS VEHICLE SVC - RATE NGVS FIRM SERVICE (Page No. 135)**

The Gas Cost Rate (GCR) effective June 1, 2016 decreases from \$0.34946 per Ccf to \$0.32179 per Ccf.

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**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 \$(0.02805) per Ccf for Commodity Costs and \$(0.02548) per Ccf for Demand Costs, for service on or after June 1, 2016. The total GAC is \$(0.05353) per Ccf.

**(D)**

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.

**(D) – Decrease**

IRC - Interruptible Revenue Credit - The credit defined in Subsection VI below. The currently effective IRC is \$0.00019 per Ccf for service on or after June 1, 2016.

(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 \$0.26227 per Ccf for Commodity Costs and \$0.11324 per Ccf for Demand Costs, for service on or after June 1, 2016. The total SSC is \$0.37551 per Ccf.

(I)

(I) – Increase; (D) – Decrease

III. COMPUTATION OF GAS COST RATE

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:

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

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 \$0.32179 per Ccf, for service on or after June 1, 2016.

**(D)**

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).

**(D) – Decrease**



### 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: 4.68% - GS Residential (“GS RES”); 0.28% - GS Commercial (“GS COM”); and 0.30% - 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>	\$0.37551	\$0.37551	\$0.37551	\$0.37551	\$0.37551	\$0.37551	\$0.37551
<b>GAC</b>	(\$0.05353)	(\$0.05353)	(\$0.05353)	(\$0.05353)	(\$0.05353)	(\$0.05353)	(\$0.05353)
<b>MFC</b>	\$0.01506	\$0.00000	\$0.00090	\$0.00097	\$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>	\$0.34104	\$0.32598	\$0.32688	\$0.32695	\$0.32598	\$0.32598	\$0.32598

(C)

(C) - Change

**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) \$0.00119 per Ccf for Residential and Public Housing Customers on Rate GS; | (I)  |
| b) \$0.00476 per Ccf for Commercial Customers on Rate GS;                     | (D)  |
| c) \$0.01236 per Ccf for Industrial Customers on Rate GS;                     | (D)  |
| d) \$0.00000 per Ccf for Municipal Customers on Rate MS; and                  | (NC) |
| e) \$0.00476 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 the Conservation Works Program (CWP) and the Enhanced Low Income Retrofit Program (ELIRP); and, 4) 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 = \$ 0.15048/Ccf.

(I)

(I) - Increase

## GENERAL SERVICE - RATE GS

Rate: Applicable to all Retail Sales Service or Transportation Service rendered pursuant to this Rate Schedule on or after June 1, 2016

### 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)):

\$ 12.00 per month for Residential and Public Housing Authority Customers.  
\$ 18.00 per month for Commercial Customers  
\$ 50.00 per month for Industrial Customers

Surcharge: Distribution System Improvement Charge.

Plus,

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

\$ 0.32179 per Ccf for Residential and Public Housing (D)  
\$ 0.32179 per Ccf for Commercial Customers (D)  
\$ 0.32179 per Ccf for Industrial Customers (D)

Plus,

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

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

\$0.60067 per Ccf for Residential  
\$0.49441 per Ccf for Public Housing  
\$0.45984 per Ccf for Commercial and Municipal Customers  
\$0.45332 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.

**(D) – Decrease**

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

**MUNICIPAL SERVICE - RATE MS**

Rate: Applicable to all Retail Sales Service or Transportation Service rendered pursuant to this Rate Schedule on or after June 1, 2016.

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):

\$ 18.00 per month

Surcharge: Distribution System Improvement Charge.

Plus,

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

\$ 0.32179 per Ccf

**(D)**

Plus,

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

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

\$0.33661 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.

**(D) – Decrease**

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

**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 June 1, 2016

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);

\$18.00 per month

Surcharge: Distribution System Improvement Charge.

Plus,

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

\$ 0.32179 per Ccf

**(D)**

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):

\$0.41101 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.

**(D) – Decrease**

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

**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  
June 1, 2016

**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):

\$ 0.32179 per Ccf

**(D)**

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.

**(D) – Decrease; (C) - Change**

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



# SUPPORTING SCHEDULES

JUNE 1, 2016

3RD QUARTER GCR FILING

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**Philadelphia Gas Works**  
**Levelized Gas Cost Rate**  
**3rd Qtr Filing - June 1, 2016**

Formula:  
GCR = SSC + GAC - IRC

where:

	<u>Demand</u>	<u>Commodity</u>	<u>Total</u>	
<b>S = Firm Sales (Mcf)</b>			<b>45,259,588</b>	Schedule 2
<b>Net Natural Gas Expense</b>	\$ 54,903,734	\$ 125,911,823	\$ 180,815,557	
<b>Purchased Electric &amp; Misc Expenses</b>	\$ -	\$ 827,181	\$ 827,181	
<b>Total Natural Gas Expense</b>	\$ 54,903,734	\$ 126,739,004	\$ 181,642,738	Schedule 3
<b>C-Factor Reconciliation</b>	\$ (2,978,144)	\$ (6,479,585)	\$ (9,457,729)	Schedule 4(b)
<b>C = Total Applicable GCR Expense</b>	\$ 51,925,590	\$ 120,259,419	\$ 172,185,010	
<b>SSC = C / S</b>	\$ 1.1473	\$ 2.6571	\$ 3.8044	

Adjustment For:

<b>E-Factor Volumes (Mcf)</b>			<b>3,172,613</b>	
<b>E-Factor Reconciliation</b>	\$ (729,536)	\$ (803,102)	\$ (1,532,638)	Schedule 4(c)
<b>E = E-Factor</b>	\$ (0.2299)	\$ (0.2531)	\$ (0.4831)	

**Interruptible Revenue Credit**

\$ 87,585 Schedule 5(a)

**IRC = Interruptible Revenue Credit / S**

\$ 0.0019

**Net Applicable GCR Expenses = C + E - Interruptible Revenue Credit**

\$ 170,564,786

**GCR = SSC + GAC - IRC**

\$ 3.3194

<b>SSC in effect 6/01/16</b>	\$ 1.1324	\$ 2.6227	\$ 3.7551	
<b>GAC in effect 6/01/16</b>	\$ (0.2548)	\$ (0.2805)	\$ (0.5353)	
<b>IRC in effect 6/01/16</b>			\$ (0.0019)	
<b>GCR in effect 6/01/16</b>			\$ 3.2179	Schedule 6

Recovery Test on:

<b>Firm Sales (Mcf)</b>		<b>45,259,588</b>	
<b>= GCR Projected Recovery</b>	\$	<b>168,331,580</b>	
<b>= Load Balancing Revenue</b>	\$	<b>1,164,391</b>	
<b>= LNG Sales Demand Revenue</b>	\$	<b>1,069,221</b>	
<b>= Total Projected Recovery</b>	\$	<b>170,565,192</b>	Schedule 6
<b>Compared To</b>			
<b>Net Applicable GCR Expenses</b>	\$	<b>170,564,786</b>	
<b>= Net Over/(Under) Recovery</b>	\$	<b>406</b>	

**Degree Days**

**4,237**

## Philadelphia Gas Works

## Price To Compare (\$ / MCF)

June 1, 2016

	<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>	\$3.2179	(\$0.5372)	\$3.7551	4.68%	\$0.1506	\$0.0400	(\$0.5353)	\$3.4104
<b>Commercial GS</b>	\$3.2179	(\$0.5372)	\$3.7551	0.28%	\$0.0090	\$0.0400	(\$0.5353)	\$3.2688
<b>Industrial GS</b>	\$3.2179	(\$0.5372)	\$3.7551	0.30%	\$0.0097	\$0.0400	(\$0.5353)	\$3.2695
<b>Phila. Housing Authority (PHA)</b>	\$3.2179	(\$0.5372)	\$3.7551	0%	\$0.0000	\$0.0400	(\$0.5353)	\$3.2598
<b>Municipal (MS)</b>	\$3.2179	(\$0.5372)	\$3.7551	0%	\$0.0000	\$0.0400	(\$0.5353)	\$3.2598
<b>NGV Firm</b>	\$3.2179	(\$0.5372)	\$3.7551	0%	\$0.0000	\$0.0400	(\$0.5353)	\$3.2598
<b>Phila. Housing Authority (GS)</b>	\$3.2179	(\$0.5372)	\$3.7551	0%	\$0.0000	\$0.0400	(\$0.5353)	\$3.2598

SALES & VOLUMES

JUNE 2016 THROUGH MAY 2017

MONTH	FIRM		INTERRUPTIBLE SALES 4	LNG SALES 4A	AIR CONDITIONING SALES 4B	GCR FIRM SALES 5 = (3 - 4 - 4A - 4B)	SENIOR CITIZEN DISCOUNT SALES 6	APPLICABLE VOLUMES 7 = (5 - 6 + 2)
	TOTAL VOLUMES 1	TRANSPORT VOLUMES 2						
JUNE 2016	1,379,583	189,359	762	60,000	1,049	1,128,413	5,298	1,312,475
JULY	1,273,170	181,824	787	62,000	1,652	1,026,907	4,608	1,204,123
AUGUST	1,135,400	161,866	787	62,000	2,147	908,601	4,035	1,066,432
SEPTEMBER	1,135,331	166,442	764	82,192	1,697	884,236	3,894	1,046,785
OCTOBER	1,748,975	256,946	789	84,932	119	1,406,189	6,981	1,656,155
NOVEMBER	3,830,495	447,198	764	82,192	-	3,300,342	19,294	3,728,246
DECEMBER	6,577,770	687,677	789	84,932	-	5,804,372	34,993	6,457,057
JANUARY 2017	10,428,254	907,139	789	84,932	-	9,435,395	58,064	10,284,470
FEBRUARY	9,212,586	786,871	713	76,712	-	8,348,290	50,620	9,084,541
MARCH	7,201,115	643,667	789	84,932	-	6,471,728	38,009	7,077,386
APRIL	4,948,062	416,408	764	82,192	-	4,448,698	25,493	4,839,614
MAY	2,430,332	248,190	789	84,932	5	2,096,417	10,750	2,333,857
<b>TOTAL</b>	<b>51,301,072</b>	<b>5,093,587</b>	<b>9,284</b>	<b>931,945</b>	<b>6,668</b>	<b>45,259,588</b>	<b>262,036</b>	<b>50,091,139</b>

Projected Applicable Fuel Expense  
SUMMARY

FY 2015-2016 3rd Quarter Filing

	JUNE 2016	JULY 2016	AUGUST 2016	SEPTEMBER 2016	OCTOBER 2016	NOVEMBER 2016	DECEMBER 2016	JANUARY 2017	FEBRUARY 2017	MARCH 2017	APRIL 2017	MAY 2017	TOTAL
NATURAL GAS BILLED													
DEMAND CHARGE	\$4,475,262	\$4,453,635	\$4,452,450	\$4,506,595	\$4,605,918	\$4,646,570	\$4,692,568	\$4,691,730	\$4,727,574	\$4,630,744	\$4,590,021	\$4,430,667	\$54,903,734
COMMODITY CHARGE	\$4,211,681	\$4,382,556	\$4,579,542	\$5,190,612	\$9,132,735	\$13,219,451	\$19,686,630	\$14,061,352	\$13,298,960	\$13,742,688	\$11,923,971	\$11,101,332	\$124,531,509
TOTAL NATURAL GAS BILLED	\$8,686,942	\$8,836,191	\$9,031,992	\$9,697,207	\$13,738,654	\$17,866,021	\$24,379,198	\$18,753,082	\$18,026,534	\$18,373,433	\$16,513,992	\$15,531,999	\$179,435,243
INTERRUPTIBLE & A/C CREDIT	\$3,395	\$4,972	\$6,234	\$5,571	\$2,213	\$2,091	\$2,340	\$2,248	\$2,045	\$2,256	\$2,160	\$2,268	\$37,795
SENDOUT VOLUME IN MCF	1,868	2,517	3,028	2,539	937	788	814	814	736	814	788	819	16,463
DKT CONVERSION FACTOR	1,050	1,050	1,050	1,050	1,050	1,050	1,050	1,050	1,050	1,050	1,050	1,050	1,050
PRICE \$/DKT	\$1,7310	\$1,8812	\$1,9610	\$2,0893	\$2,2504	\$2,5273	\$2,7370	\$2,6294	\$2,6482	\$2,6385	\$2,6101	\$2,6363	\$2,6363
GAS USED FOR UTILITY	\$16,136	\$10,217	\$16,979	\$23,024	\$31,844	\$61,669	\$116,975	\$139,591	\$152,057	\$135,595	\$65,895	\$32,852	\$822,834
NATURAL GAS TO STORAGE													
FROM STORAGE PGW	(\$2,666,144)	(\$2,654,361)	(\$2,769,200)	(\$2,895,901)	(\$3,007,550)	\$0	\$0	\$0	\$0	\$0	(\$3,019,749)	(\$6,362,520)	(\$23,375,425)
FT FROM STORAGE	\$0	\$0	\$0	\$0	\$0	\$418,363	\$3,304,471	\$10,823,218	\$8,148,315	\$4,568,802	\$793,000	\$0	\$28,056,169
NET NATURAL GAS STORAGE	(\$2,666,144)	(\$2,654,361)	(\$2,769,200)	(\$2,895,901)	(\$3,007,550)	\$418,363	\$3,304,471	\$10,823,218	\$8,148,315	\$4,568,802	(\$2,226,749)	(\$6,362,520)	\$4,680,744
LNG TO STORAGE													
FROM LNG PGW	(\$9,862)	\$0	\$0	(\$22,434)	(\$509,583)	(\$1,034,700)	(\$1,076,278)	(\$447,431)	(\$319,168)	(\$1,073,814)	(\$920,306)	(\$292,796)	(\$5,706,374)
FT FROM LNG	\$358,465	\$370,355	\$370,355	\$421,063	\$434,728	\$415,834	\$470,998	\$927,803	\$839,038	\$450,055	\$443,206	\$460,819	\$5,962,718
NET LNG STORAGE	\$348,603	\$370,355	\$370,355	\$398,628	(\$74,856)	(\$618,866)	(\$605,281)	\$480,371	\$519,870	(\$623,759)	(\$477,100)	\$168,024	\$256,344
LNG SALES FROM LNG TANK	\$169,470	\$175,069	\$175,069	\$232,085	\$239,753	\$231,460	\$241,809	\$247,219	\$225,596	\$251,406	\$248,474	\$258,735	\$2,696,145
SENDOUT VOLUMES (MCF)	60,000	62,000	62,000	82,192	84,932	82,192	84,932	84,932	76,712	84,932	82,192	84,932	931,945
@ AVG LNG COMMODITY RATE	\$2,8245	\$2,8237	\$2,8237	\$2,8237	\$2,8229	\$2,8161	\$2,8471	\$2,9108	\$2,9408	\$2,9601	\$3,0231	\$3,0464	\$3,0464
NET NATURAL GAS EXPENSE	\$6,180,400	\$6,361,926	\$6,434,864	\$6,939,255	\$10,382,437	\$17,370,297	\$26,717,264	\$29,667,613	\$26,315,021	\$21,929,218	\$13,473,614	\$9,043,647	\$180,815,557
APPLICABLE GCR EXPENSE													
NET NATURAL GAS EXPENSE	\$6,180,400	\$6,361,926	\$6,434,864	\$6,939,255	\$10,382,437	\$17,370,297	\$26,717,264	\$29,667,613	\$26,315,021	\$21,929,218	\$13,473,614	\$9,043,647	\$180,815,557
PURCHASED ELECTRIC & MISC	\$36,597	\$43,093	\$36,603	\$20,266	\$49,261	\$50,657	\$76,359	\$103,785	\$99,004	\$84,055	\$58,660	\$43,842	\$702,181
PLANALYTICS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$125,000	\$0	\$0	\$0	\$0	\$125,000
TOTAL APPLICABLE EXPENSES	\$6,216,997	\$6,405,019	\$6,471,467	\$6,959,520	\$10,431,698	\$17,420,954	\$26,793,622	\$29,896,399	\$26,414,025	\$22,013,274	\$13,532,274	\$9,087,490	\$181,642,738
TOTAL GCR FIRM SALES	1,128,413	1,026,907	908,601	884,236	1,406,189	3,300,342	5,804,372	9,435,395	8,348,290	6,471,728	4,448,698	2,096,417	45,259,588

ACTUAL / ESTIMATED DATA - FISCAL YEAR 2016  
PHILADELPHIA GAS WORKS

Rate	Split Month		Split Month		Split Month		Split Month		
	7/1/2015	9/1/2015	10/1/2015	12/1/2015	1/1/2016	3/1/2016	4/1/2016	6/1/2016	7/1/2016
SSC in Effect	\$ 4.2385	\$ 4.2506	\$ 4.2626	\$ 4.0715	\$ 3.8804	\$ 3.8145	\$ 3.7485	\$ 3.7518	\$ 3.7551
GAC in Effect	\$ (0.0657)	\$ (0.1276)	\$ (0.1894)	\$ (0.1878)	\$ (0.1861)	\$ (0.2189)	\$ (0.2516)	\$ (0.3935)	\$ (0.5353)
IRC in Effect	\$ (0.0007)	\$ (0.0008)	\$ (0.0008)	\$ (0.0009)	\$ (0.0009)	\$ (0.0016)	\$ (0.0023)	\$ (0.0021)	\$ (0.0019)
Total Effective	\$ 4.1721	\$ 4.1223	\$ 4.0724	\$ 3.8829	\$ 3.6934	\$ 3.5940	\$ 3.4946	\$ 3.3563	\$ 3.2179
Percentage of Total	101.6%	103.1%	104.7%	104.9%	105.1%	106.1%	107.3%	111.8%	116.7%
C-Factor	-1.6%	-3.1%	-4.7%	-4.8%	-5.0%	-6.1%	-7.2%	-11.7%	-16.6%
E-Factor	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.1%	-0.1%
IRC-Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%
Total	100%	100%	100%	100%	100%	100%	100%	100%	100%

C-Factor	E-Factor		Interest		FY 2015				
	Over/(Under)	Over/(Under)	Over/(Under)	Final	E-Factor				
Demand Charge in Effect	\$ 0.8504	\$ 1.0545	\$ 1.2586	\$ 1.3244	\$ 1.3901	\$ 1.2422	\$ 1.0942	\$ 1.1133	\$ 1.1324
Commodity in Effect	\$ 3.3881	\$ 3.1981	\$ 3.0040	\$ 2.7472	\$ 2.4903	\$ 2.5723	\$ 2.6543	\$ 2.6385	\$ 2.6227
Total	\$ 4.2385	\$ 4.2506	\$ 4.2626	\$ 4.0715	\$ 3.8804	\$ 3.8145	\$ 3.7485	\$ 3.7518	\$ 3.7551
Percentage of Total	20.1%	24.8%	29.5%	32.5%	35.8%	32.6%	29.2%	29.7%	30.2%
Demand Charge in Effect	79.9%	75.2%	70.5%	67.5%	64.2%	67.4%	70.8%	70.3%	69.8%
Commodity in Effect	100%	100%	100%	100%	100%	100%	100%	100%	100%

Fiscal Year 2015 E-Factor	C-Factor		E-Factor		Interest		FY 2015	
	Over/(Under)	Over/(Under)	Over/(Under)	Over/(Under)	Final	E-Factor		
	\$ 8,413,382	\$ (62,649)	\$ 226,479	\$ 8,577,213				

Actual	Revised		Revised		Revised		Revised		Revised	
	Sep-2015	Oct-2015	Nov-2015	Dec-2015	Jan-2016	Feb-2016	Mar-2016	Apr-2016	Actual	Actual
Fiscal Year 2015-2016	\$ 3,730,053	\$ 5,461,240	\$ 9,792,985	\$ 14,993,284	\$ 24,255,062	\$ 28,266,729	\$ 20,633,034	\$ 13,050,528		
GCR Firm Sales	\$ (2,811)	\$ (4,265)	\$ (5,819)	\$ (17,380)	\$ (27,386)	\$ (27,597)	\$ (27,378)	\$ (19,278)		
Migration Rider Sales	\$ 894,850	\$ 1,338,478	\$ 2,405,950	\$ 3,849,724	\$ 6,409,695	\$ 7,802,937	\$ 5,730,335	\$ 3,735,180		
	\$ 19,504	\$ 22,521	\$ 30,764	\$ 93,084	\$ 147,147	\$ 148,353	\$ 118,191	\$ 78,495		
GCR Revenue Billed	\$ 3,730,053	\$ 5,461,240	\$ 9,792,985	\$ 14,993,284	\$ 24,255,062	\$ 28,266,729	\$ 20,633,034	\$ 13,050,528		
Migration Rider Revenue Billed	\$ (2,811)	\$ (4,265)	\$ (5,819)	\$ (17,380)	\$ (27,386)	\$ (27,597)	\$ (27,378)	\$ (19,278)		
Load Balancing Billed	\$ 80,989	\$ 78,091	\$ 77,245	\$ 84,959	\$ 96,731	\$ 95,271	\$ 93,915	\$ 89,738		
LNG Sales Demand Charge Credit	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,561	\$ 4,902	\$ -		
Total Revenue Billed	\$ 3,808,230	\$ 5,535,066	\$ 9,864,410	\$ 15,060,863	\$ 24,324,407	\$ 28,341,963	\$ 20,704,472	\$ 13,120,988		
Natural Gas Refunds	\$ -	\$ 6,382	\$ 2,005	\$ -	\$ 1,197	\$ 6,382	\$ -	\$ -		
Demand Charges	\$ 4,900,132	\$ 4,875,008	\$ 4,906,154	\$ 4,882,448	\$ 5,007,784	\$ 5,036,303	\$ 4,827,940	\$ 5,012,175		
Supply Charges	\$ 2,456,112	\$ 5,858,510	\$ 7,834,145	\$ 10,376,701	\$ 21,533,607	\$ 16,724,261	\$ 9,067,567	\$ 4,581,500		
Net Cost of Fuel	\$ 7,356,244	\$ 10,733,518	\$ 12,740,299	\$ 15,259,149	\$ 26,541,391	\$ 21,760,564	\$ 13,895,507	\$ 9,593,675		



**FISCAL YEAR 2016  
PHILADELPHIA GAS WORKS  
C-FACTOR RECONCILIATION**

MONTH	NET COST OF FUEL 1	TOTAL GCR REVENUE BILLED 2	C FACTOR % of GCR 3	C FACTOR REVENUE BILLED 4 = (2 * 3)	LOAD BALANCING REVENUE 5	LNG SALES GCR BILLED REVENUE 6	TOTAL C FACTOR REVENUE BILLED 7 = (4 + 5 + 6)	NATURAL GAS REFUNDS 8	OVER/ (UNDER) RECOVERY 9 = (7 + 8 - 1)	CUMULATIVE OVER/(UNDER) 10
	(\$)	(\$)		(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)
SEPTEMBER 2015	7,356,244	3,730,053	103.1%	3,846,146	80,989	0	3,927,135	0	(3,429,109)	(3,429,109)
OCTOBER	10,733,518	5,461,240	104.7%	5,716,305	78,091	0	5,794,395	6,382	(4,932,740)	(8,361,849)
NOVEMBER	12,740,299	9,792,985	104.7%	10,250,362	77,245	0	10,327,608	2,005	(2,410,687)	(10,772,536)
DECEMBER	15,259,149	14,993,284	104.9%	15,721,537	84,959	0	15,806,495	0	547,346	(10,225,189)
JANUARY 2016	26,541,391	24,255,062	105.1%	25,483,116	96,731	0	25,579,847	1,197	(960,347)	(11,185,536)
FEBRUARY	21,760,564	28,266,729	105.1%	29,697,898	95,271	7,561	29,800,729	6,382	8,046,548	(3,138,989)
MARCH	13,895,507	20,633,034	106.1%	21,898,630	93,915	4,902	21,997,447	0	8,101,940	4,962,951
APRIL	9,593,675	13,050,528	107.3%	13,998,714	89,738	0	14,088,452	0	4,494,777	9,457,729

**FISCAL YEAR 2016  
PHILADELPHIA GAS WORKS  
E-FACTOR RECONCILIATION**

MONTH	GCR SALES		MIGRATION RIDER SALES		TOTAL E-FACTOR VOLUMES		TOTAL GCR REVENUE BILLED		E-FACTOR % of GCR		E-FACTOR GCR REVENUE BILLED		MIGRATION RIDER REVENUES		TOTAL E-FACTOR REVENUE		OVER/(UNDER) PROJECTED RECOVERY		
	1	2	3=(1+2)	4	5	6=(4*5)	7	8=(6+7)	9	10	11	12	13	14	15	16	17	18	
	(MCF)	(MCF)	(MCF)	(MCF)	(MCF)	(MCF)	(MCF)	(MCF)	(MCF)	(MCF)	(MCF)	(MCF)	(MCF)	(MCF)	(MCF)	(MCF)	(MCF)	(MCF)	
PRIOR YEAR																			
SEPTEMBER 2015	894,850	19,504	914,354	3,730,053	-3.1%	(115,415)	(2,811)	(118,226)	8,458,987										
OCTOBER	1,338,478	22,521	1,360,999	5,461,240	-4.7%	(253,992)	(4,265)	(258,257)	8,200,730										
NOVEMBER	2,405,950	30,764	2,436,714	9,792,985	-4.7%	(455,454)	(5,819)	(461,273)	7,739,457										
DECEMBER	3,849,724	93,084	3,942,808	14,993,284	-4.8%	(724,971)	(17,380)	(742,350)	6,997,107										
JANUARY 2016	6,409,695	147,147	6,556,842	24,255,062	-5.0%	(1,222,144)	(27,386)	(1,249,530)	5,747,577										
FEBRUARY	7,802,937	148,353	7,951,290	28,266,729	-5.0%	(1,424,281)	(27,597)	(1,451,878)	4,295,698										
MARCH	5,730,335	118,191	5,848,526	20,633,034	-6.1%	(1,256,411)	(27,378)	(1,283,789)	3,011,909										
APRIL	3,735,180	78,495	3,813,675	13,050,528	-7.2%	(939,596)	(19,278)	(958,874)	2,053,035										
MAY	2,020,451	47,900	2,068,351	7,060,669	-7.2%	(508,346)	(12,052)	(520,397)	1,532,638										
JUNE	1,128,413	38,612	1,167,025	3,787,238															
JULY	1,026,907	37,075	1,063,982	3,304,483															
AUGUST	908,601	33,005	941,606	2,923,787															
TOTAL	3,063,921	108,692	3,172,613	10,015,508															
JUNE 1, 2016																			
E-FACTOR																			

-0.4831

JUNE 1, 2016 E-FACTOR

**FISCAL YEAR 2016  
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 2015</b>	3,730,053	-0.02%	(679)
<b>OCTOBER</b>	5,461,240	-0.02%	(1,073)
<b>NOVEMBER</b>	9,792,985	-0.02%	(1,924)
<b>DECEMBER</b>	14,993,284	-0.02%	(3,282)
<b>JANUARY 2016</b>	24,255,062	-0.02%	(5,910)
<b>FEBRUARY</b>	28,266,729	-0.02%	(6,888)
<b>MARCH</b>	20,633,034	-0.04%	(9,186)
<b>APRIL</b>	13,050,528	-0.07%	(8,589)

**FISCAL YEAR 2016  
PHILADELPHIA GAS WORKS  
RECONCILIATION OF DEMAND CHARGES**

MONTH	DEMAND CHARGES LESS LOAD BALANCING CHARGE REVENUE 1	DEMAND REVENUE BILLED 2	MONTHLY DEMAND OVER/(UNDER) 3 = (2 - 1)	CUMULATIVE DEMAND OVER/(UNDER) 4
	\$	\$	\$	\$
SEPTEMBER 2015	4,819,143	943,619	(3,875,524)	(3,875,524)
OCTOBER	4,796,917	1,684,608	(3,112,309)	(6,987,833)
NOVEMBER	4,828,909	3,028,129	(1,800,780)	(8,788,613)
DECEMBER	4,797,489	5,098,382	300,893	(8,487,721)
JANUARY 2016	4,911,053	8,910,117	3,999,064	(4,488,657)
FEBRUARY	4,933,471	10,846,863	5,913,391	1,424,734
MARCH	4,729,123	7,117,936	2,388,812	3,813,547
APRIL	4,922,437	4,087,034	(835,403)	2,978,144

**INTERRUPTIBLE REVENUE CREDIT**  
**June 1, 2016**

Fiscal Year 2015 Reconciliation (8/31/15) \$ 33,111

<u>MONTH</u>	<u>IRC CREDIT</u>	<u>MARGIN</u>	
September-15	Actual \$ (679)	\$ 417	
October	Actual \$ (1,073)	\$ 11,721	
November	Actual \$ (1,924)	\$ 60,473	
December	Actual \$ (3,282)	\$ 3,992	
January-16	Actual \$ (5,910)	\$ 4,351	
February	Actual \$ (6,888)	\$ 714	
March	Actual \$ (9,186)	\$ 774	
April	Actual \$ (8,589)	\$ 6,656	
May	Estimated \$ (4,647)	\$ 590	
Act/Est IRC Credit September 2015 to May 2016		<u>\$ (42,178)</u>	
Act/Est Margin September 2015 to May 2016		<u>\$ 89,689</u>	<u>\$ 89,689</u>
FY 2015 Reconciliation Plus Act/Est Margin September 2015 to May 2016			<u>\$ 122,800</u>

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FY 2015 Reconciliation Plus Act/Est Margin September 2015 to May 2016	\$ 122,800	
Act/Est IRC Credit September 2015 to May 2016	<u>\$ (42,178)</u>	
Reconciliation as of May 31, 2016	\$ 80,622	
Margin - June 2016 through May 2017	<u>\$ 6,963</u>	Schedule 5(b)
June 1, 2016 Interruptible Revenue Credit	\$ 87,585	

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GCR Firm Sales **45,259,588** Schedule 2

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June 1, 2016 IRC/Mcf **\$ 0.0019**

**INTERRUPTIBLE REVENUE MARGIN**  
**3RD QTR FILING**

<u>MONTH</u>			<u>MARGIN</u>
June-16	Estimated	\$	571
July	Estimated	\$	590
August	Estimated	\$	590
September	Estimated	\$	573
October	Estimated	\$	592
November	Estimated	\$	573
December	Estimated	\$	592
January-17	Estimated	\$	592
February	Estimated	\$	535
March	Estimated	\$	592
April	Estimated	\$	573
May	Estimated	\$	<u>592</u>
Total		\$	6,963

**CALCULATION OF RECOVERED CHARGES**  
**3RD QTR FILING**  
**June 1, 2016**

	<u>50% June</u>	<u>11.5 Months</u>	<u>Total</u>
			(MCF)                      (\$)
S - Firm Sales (Mcf)	564,207	44,695,382	45,259,588
C-Factor	<u>\$ 3.7485</u>	<u>\$ 3.7551</u>	
Projected Recovery	2,114,929	167,835,628	\$ 169,950,557
S - Firm Sales (Mcf)	564,207	44,695,382	45,259,588
IRC-Factor	<u>\$ (0.0023)</u>	<u>\$ (0.0019)</u>	
Projected Recovery	(1,298)	(84,921)	\$ (86,219)
E-Factor Volumes (Mcf)	583,513	2,589,101	3,172,613
E-Factor	<u>\$ (0.2516)</u>	<u>\$ (0.5353)</u>	
Projected Recovery	(146,812)	(1,385,946)	\$ (1,532,757)
GCR (\$ / Mcf)	\$ 3.4946	\$ 3.2179	
GCR Projected Recovery			\$ 168,331,580
Load Balancing Revenue			\$ 1,164,391
LNG Sales Demand Revenue			<u>\$ 1,069,221</u>
<b>TOTAL PROJECTED RECOVERY</b>			<b>\$ 170,565,192</b>



**Change In Rates**  
**3rd Quarter Filing**  
**Rates Effective June 1, 2016**

**Current Rates**

	<u>03/01/16</u> <u>Distribution Charge</u> (1)	<u>03/01/16</u> <u>GCR</u> (2)	<u>03/01/16</u> <u>MFC</u> (3)	<u>03/01/16</u> <u>GPC</u> (4)	<u>03/01/16</u> <u>Commodity</u> <u>Rate</u> (5)=(1)+(2)+(3)+(4)
Residential GS	\$7.6840	\$3.4946	\$0.1635	\$0.0400	\$11.3821
Commercial GS	\$6.3297	\$3.4946	\$0.0098	\$0.0400	\$9.8741
Industrial GS	\$6.4963	\$3.4946	\$0.0105	\$0.0400	\$10.0414
Phila.Housing Authority (PHA)	\$5.8414	\$3.4946	\$0.0000	\$0.0400	\$9.3760
Municipal (MS)	\$5.0404	\$3.4946	\$0.0000	\$0.0400	\$8.5750
Phila.Housing Authority (GS)	\$6.6214	\$3.4946	\$0.0000	\$0.0400	\$10.1560

**June 1, 2016 - Distribution Charge**

	<u>Delivery</u> <u>Delivery</u> <u>Charge</u> (6)	<u>Surcharges</u>				<u>Total</u> <u>Total</u> <u>Surcharges</u> (11)=(7)+(8)+(9)+(10)	<u>Distribution</u> <u>Charge / Mcf</u> (12)=(11)+(6)
		<u>Other Post</u> <u>Employment</u> <u>Benefit</u> (7)	<u>Efficiency</u> <u>Cost</u> <u>Recovery</u> (8)	<u>Universal</u> <u>Service &amp;</u> <u>Ener. Cons.</u> (9)	<u>Restructuring &amp;</u> <u>Consumer</u> <u>Education</u> (10)		
Residential GS	\$6.0067	\$0.3003	\$0.0119	\$1.5048	\$0.0061	\$1.8231	\$7.8298
Commercial GS	\$4.5984	\$0.3003	\$0.0476	\$1.5048	\$0.0061	\$1.8588	\$6.4572
Industrial GS	\$4.5332	\$0.3003	\$0.1236	\$1.5048	\$0.0061	\$1.9348	\$6.4680
Phila.Housing Authority (PHA)	\$4.1101	\$0.3003	\$0.0476	\$1.5048	\$0.0061	\$1.8588	\$5.9689
Municipal (MS)	\$3.3661	\$0.3003	\$0.0000	\$1.5048	\$0.0061	\$1.8112	\$5.1773
Phila.Housing Authority (GS)	\$4.9441	\$0.3003	\$0.0119	\$1.5048	\$0.0061	\$1.8231	\$6.7672

**Proposed Rates**

	<u>06/01/16</u> <u>Distribution Charge</u> (12)	<u>06/01/16</u> <u>GCR</u> (13)	<u>06/01/16</u> <u>MFC</u> (14)	<u>06/01/16</u> <u>GPC</u> (15)	<u>06/01/16</u> <u>Commodity</u> <u>Rate</u> (16)=(12)+(13)+(14)+(15)	<u>Difference</u> (17)=(16)-(5)
Residential GS	\$7.8298	\$3.2179	\$0.1506	\$0.0400	\$11.2383	(\$0.1438)
Commercial GS	\$6.4572	\$3.2179	\$0.0090	\$0.0400	\$9.7241	(\$0.1500)
Industrial GS	\$6.4680	\$3.2179	\$0.0097	\$0.0400	\$9.7356	(\$0.3058)
Phila.Housing Authority (PHA)	\$5.9689	\$3.2179	\$0.0000	\$0.0400	\$9.2268	(\$0.1492)
Municipal (MS)	\$5.1773	\$3.2179	\$0.0000	\$0.0400	\$8.4352	(\$0.1398)
Phila.Housing Authority (GS)	\$6.7672	\$3.2179	\$0.0000	\$0.0400	\$10.0251	(\$0.1309)

**PHILADELPHIA GAS WORKS**  
**JUNE 1, 2016 - 3RD QTR FILING**  
**UNIVERSAL SERVICE & ENERGY CONSERVATION SURCHARGE**

	<b>Expenses in the Surcharge</b>	
Enhanced Low Income Retrofit Program (ELIRP)	\$ 5,369,917	
Customer Responsibility Program (CRP)	\$ 49,471,811	
Senior Citizen Discount *	\$ 3,196,746	
<u>May 2016 Under Collection</u>	<u>\$ 17,336,237</u>	
Total \$ to be Recovered	\$ 75,374,712	
 Total Applicable Volumes	 Mcf 50,089,374	
 Universal Service & Energy Conservation Surcharge	 <u><u>\$ 1.5048</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 \$3,614,332.

**STATEMENT OF RECONCILIATION  
UNIVERSAL SERVICES & ENERGY CONSERVATION SURCHARGE  
SEPTEMBER 2015 THROUGH MAY 2016**

Month	USC Applicable Volumes	USC Charge	USC Revenue Billed	USC Expenses	Monthly Over/(Under) Recovery	Cumulative Over/(Under) Recovery
September 2015	1,035,315	\$ 1,4187	\$ 1,468,750	\$ (1,940,513)	\$ 3,409,263	\$ (5,886,644)
October	1,530,956	\$ 1,3471	\$ 2,062,351	\$ (179,146)	\$ 2,241,497	\$ (3,645,147)
November	2,667,452	\$ 1,3471	\$ 3,593,325	\$ 3,725,297	\$ (131,973)	\$ (3,777,119)
December	4,261,276	\$ 1,2070	\$ 5,143,360	\$ 7,360,541	\$ (2,217,181)	\$ (5,994,301)
January 2016	7,019,199	\$ 1,0669	\$ 7,488,784	\$ 12,271,685	\$ (4,782,901)	\$ (10,777,202)
February	8,466,423	\$ 1,0669	\$ 9,032,826	\$ 12,852,293	\$ (3,819,467)	\$ (14,596,669)
March	6,231,280	\$ 1,2174	\$ 7,585,960	\$ 10,501,395	\$ (2,915,434)	\$ (17,512,103)
April	4,094,452	\$ 1,3679	\$ 5,600,801	\$ 7,089,999	\$ (1,489,197)	\$ (19,001,301)
May	2,243,105	\$ 1,3679	\$ 3,068,343	\$ 1,403,280	\$ 1,665,063	\$ (17,336,237)
<b>USC Expenses</b>						
ELIRP Expense	\$ 2,532	\$ 553,720	\$ 622,738	\$ 602,084	\$ 627,513	\$ 614,085
ELIRP Labor	\$ 10,623	\$ 12,196	\$ 8,913	\$ 8,759	\$ 11,284	\$ 9,149
CRP Discount	\$ (2,580,366)	\$ (1,452,007)	\$ 2,250,502	\$ 5,686,259	\$ 10,196,817	\$ 10,828,112
CRP Forgiveness	\$ 533,280	\$ 561,291	\$ 542,000	\$ 616,950	\$ 781,302	\$ 718,458
Senior Citizen Discount	\$ 93,418	\$ 145,654	\$ 301,144	\$ 446,490	\$ 654,769	\$ 682,489
Bad Debt Expense Offset*	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total</b>	\$ (1,940,513)	\$ (179,146)	\$ 3,725,297	\$ 7,360,541	\$ 12,271,685	\$ 12,852,293
						\$ 10,501,395
						\$ 7,089,999
						\$ 1,403,280

Month	USC Applicable Volumes	USC Charge	USC Revenue Billed	USC Expenses	Monthly Over/(Under) Recovery	Cumulative Over/(Under) Recovery
September 2015	1,035,315	\$ 1,4187	\$ 1,468,750	\$ (1,940,513)	\$ 3,409,263	\$ (5,886,644)
October	1,530,956	\$ 1,3471	\$ 2,062,351	\$ (179,146)	\$ 2,241,497	\$ (3,645,147)
November	2,667,452	\$ 1,3471	\$ 3,593,325	\$ 3,725,297	\$ (131,973)	\$ (3,777,119)
December	4,261,276	\$ 1,2070	\$ 5,143,360	\$ 7,360,541	\$ (2,217,181)	\$ (5,994,301)
January 2016	7,019,199	\$ 1,0669	\$ 7,488,784	\$ 12,271,685	\$ (4,782,901)	\$ (10,777,202)
February	8,466,423	\$ 1,0669	\$ 9,032,826	\$ 12,852,293	\$ (3,819,467)	\$ (14,596,669)
March	6,231,280	\$ 1,2174	\$ 7,585,960	\$ 10,501,395	\$ (2,915,434)	\$ (17,512,103)
April	4,094,452	\$ 1,3679	\$ 5,600,801	\$ 7,089,999	\$ (1,489,197)	\$ (19,001,301)
May	2,243,105	\$ 1,3679	\$ 3,068,343	\$ 1,403,280	\$ 1,665,063	\$ (17,336,237)

\*Bad Debt Expense Offset Applicable When Actual CRP Participation Exceeds 84,000

Month	USC Applicable Volumes	USC Charge	USC Revenue Billed	USC Expenses	Monthly Over/(Under) Recovery	Cumulative Over/(Under) Recovery
September 2015	1,035,315	\$ 1,4187	\$ 1,468,750	\$ (1,940,513)	\$ 3,409,263	\$ (5,886,644)
October	1,530,956	\$ 1,3471	\$ 2,062,351	\$ (179,146)	\$ 2,241,497	\$ (3,645,147)
November	2,667,452	\$ 1,3471	\$ 3,593,325	\$ 3,725,297	\$ (131,973)	\$ (3,777,119)
December	4,261,276	\$ 1,2070	\$ 5,143,360	\$ 7,360,541	\$ (2,217,181)	\$ (5,994,301)
January 2016	7,019,199	\$ 1,0669	\$ 7,488,784	\$ 12,271,685	\$ (4,782,901)	\$ (10,777,202)
February	8,466,423	\$ 1,0669	\$ 9,032,826	\$ 12,852,293	\$ (3,819,467)	\$ (14,596,669)
March	6,231,280	\$ 1,2174	\$ 7,585,960	\$ 10,501,395	\$ (2,915,434)	\$ (17,512,103)
April	4,094,452	\$ 1,3679	\$ 5,600,801	\$ 7,089,999	\$ (1,489,197)	\$ (19,001,301)
May	2,243,105	\$ 1,3679	\$ 3,068,343	\$ 1,403,280	\$ 1,665,063	\$ (17,336,237)

\*Bad Debt Expense Offset Applicable When Actual CRP Participation Exceeds 84,000

## EFFICIENCY COST RECOVERY (ECR) SURCHARGE

June 1, 2016

<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	\$694,184	\$83,835	\$892	\$778,911
Labor Expense	\$16,572	\$2,030	\$33	\$18,635
<b>Commercial &amp; Industrial Retrofit Incentive (CIRI)</b>				
Program Expense	\$130,923	\$236,541	\$0	\$367,463
Labor Expense	\$3,472	\$6,595	\$0	\$10,067
<b>Commercial &amp; Industrial Equipment Rebate (CIER)</b>				
Program Expense	\$10,823	\$310,123	\$85,142	\$406,087
Labor Expense	\$244	\$7,041	\$2,401	\$9,687
<b>High-Efficiency Construction Incentive (HECI)</b>				
Program Expense	\$96,535	\$151,196	\$0	\$247,731
Labor Expense	\$1,661	\$4,032	\$0	\$5,693
<b>Comprehensive Residential Retrofit Incentive (CRR)</b>				
Program Expense	\$214,010	\$3,305	\$0	\$217,316
Labor Expense	<u>\$1,509</u>	<u>\$171</u>	<u>\$0</u>	<u>\$1,680</u>
<b>Total Expense</b>	\$1,169,933	\$804,869	\$88,468	\$2,063,270
<b>Prior Period Reconciliation (5/31/16)</b>	<u>\$ (727,888)</u>	<u>\$ (263,220)</u>	<u>\$ 18,851</u>	<u>\$ (972,257)</u>
<b>Total</b>	\$442,046	\$541,649	\$107,318	\$1,091,013
<b>Volumes - Mcf (GCR Firm &amp; Firm Transportation)</b>	37,017,877	11,368,268	868,622	
<b>Efficiency Cost Recovery Surcharge / Mcf</b>				
	<b>\$0.0119</b>	<b>\$0.0476</b>	<b>\$0.1236</b>	

**EFFICIENCY COST RECOVERY (ECR) SURCHARGE  
STATEMENT OF RECONCILIATION**

**3rd Quarter Filing**

	Actual Sep-15	Actual Oct-15	Actual Nov-15	Actual Dec-15	Actual Jan-16	Actual Feb-16	Actual Mar-16	Actual Apr-16	Estimated May-16
<b>RESIDENTIAL &amp; PHA_GS</b>									
FY 2015 Over-Collection	\$ 1,566,406								
Volume Billed	646,486	991,567	1,879,532	3,150,135	5,284,536	6,475,144	4,775,075	3,099,648	1,635,354
ECR Surcharge	\$ 0.0045	\$ 0.0071	\$ 0.0071	\$ 0.0049	\$ 0.0027	\$ 0.0027	\$ 0.0029	\$ 0.0030	\$ 0.0030
Revenue Billed	\$ 2,909	\$ 7,040	\$ 13,345	\$ 15,436	\$ 14,268	\$ 17,483	\$ 13,609	\$ 9,299	\$ 4,906
Expense	\$ 233	\$ 83,436	\$ 30,200	\$ 45,339	\$ 13,297	\$ 114,028	\$ 23,406	\$ 70,565	\$ 45,718
Labor	\$ 976	\$ 1,121	\$ 850	\$ 805	\$ 1,037	\$ 958	\$ 847	\$ 1,126	\$ 197
Expense	\$ 27	\$ 2,894	\$ 7,426	\$ 3,268	\$ 527	\$ 27,496	\$ 3,786	\$ 45,221	\$ 2,464
Labor	\$ 115	\$ 131	\$ 422	\$ 94	\$ 122	\$ 980	\$ 99	\$ 132	\$ (274)
Expense	\$ 219	\$ 373	\$ 172,355	\$ 36,556	\$ 29,111	\$ 29,702	\$ 27,497	\$ 33,532	\$ 57,628
Labor	\$ 919	\$ 1,056	\$ 785	\$ 758	\$ 977	\$ 968	\$ 797	\$ 1,060	\$ 173
Expense	\$ 34	\$ 4,372	\$ 37	\$ 425	\$ 344	\$ 262	\$ 190	\$ 207	\$ 3,441
Labor	\$ 142	\$ 163	\$ 167	\$ 117	\$ 151	\$ 231	\$ 123	\$ 164	\$ (5)
Expense	\$ 2	\$ 390	\$ (19)	\$ 1,282	\$ 89	\$ (1,371)	\$ 544	\$ 762	\$ 967
Labor	\$ 10	\$ 12	\$ 12	\$ 9	\$ 11	\$ (15)	\$ 9	\$ 12	\$ 7
Total	\$ 2,678	\$ 93,947	\$ 212,235	\$ 88,653	\$ 45,666	\$ 173,239	\$ 57,299	\$ 152,780	\$ 110,316
Monthly Over/(Under)	\$ 231	\$ (86,907)	\$ (198,891)	\$ (73,217)	\$ (31,397)	\$ (155,756)	\$ (43,690)	\$ (143,481)	\$ (105,409)
Cumulative Over/(Under)	\$ 1,566,637	\$ 1,479,730	\$ 1,280,839	\$ 1,207,622	\$ 1,176,225	\$ 1,020,469	\$ 976,778	\$ 833,297	\$ 727,888
<b>COMMERCIAL &amp; PHA</b>									
FY 2015 Over-Collection	\$ 201,155								
Volume Billed	349,209	487,460	700,057	971,790	1,506,529	1,702,505	1,280,662	865,683	540,418
ECR Surcharge	\$ 0.0221	\$ 0.0243	\$ 0.0243	\$ 0.0345	\$ 0.0446	\$ 0.0446	\$ 0.0508	\$ 0.0570	\$ 0.0570
Revenue Billed	\$ 7,700	\$ 11,845	\$ 17,011	\$ 33,478	\$ 67,191	\$ 75,932	\$ 65,058	\$ 49,344	\$ 30,804
Expense	\$ 27	\$ 9,679	\$ 2,943	\$ 5,259	\$ 1,542	\$ 9,374	\$ 2,715	\$ 8,186	\$ 6,407
Labor	\$ 113	\$ 130	\$ 71	\$ 93	\$ 120	\$ (5)	\$ 98	\$ 131	\$ 59
Expense	\$ 4	\$ 7	\$ 3,514	\$ 640	\$ 510	\$ 610	\$ 481	\$ 587	\$ 862
Labor	\$ 16	\$ 18	\$ -	\$ 13	\$ 17	\$ (162)	\$ 14	\$ 19	\$ 51
Expense	\$ 61	\$ 7,892	\$ 27	\$ 768	\$ 621	\$ 222	\$ 342	\$ 373	\$ 6,284
Labor	\$ 257	\$ 295	\$ 168	\$ 212	\$ 273	\$ 113	\$ 223	\$ 296	\$ 100
Expense	\$ 83	\$ 13,026	\$ 4,312	\$ 42,854	\$ 2,983	\$ 18,150	\$ 18,200	\$ 25,465	\$ 15,086
Labor	\$ 348	\$ 400	\$ 459	\$ 287	\$ 370	\$ 960	\$ 302	\$ 402	\$ (123)
Expense	\$ 33	\$ 3,526	\$ 397	\$ 3,981	\$ 642	\$ (2,627)	\$ 4,613	\$ 55,095	\$ 14,197
Labor	\$ 140	\$ 160	\$ (208)	\$ 115	\$ 148	\$ (762)	\$ 121	\$ 161	\$ 335
Total	\$ 1,082	\$ 35,132	\$ 11,682	\$ 54,222	\$ 7,226	\$ 25,874	\$ 27,109	\$ 90,713	\$ 43,257
Monthly Over/(Under)	\$ 618	\$ (23,286)	\$ 5,329	\$ (20,744)	\$ 59,965	\$ 50,058	\$ 37,948	\$ (41,369)	\$ (12,453)
Cumulative Over/(Under)	\$ 207,773	\$ 184,487	\$ 189,816	\$ 169,071	\$ 229,036	\$ 279,094	\$ 317,042	\$ 275,673	\$ 263,220
<b>INDUSTRIAL</b>									
FY 2015 Under-Collection	\$ (113,291)								
Volume Billed	28,538	36,712	48,035	70,044	117,704	135,137	88,355	57,354	41,667
ECR Surcharge	\$ (0.0102)	\$ (0.0091)	\$ (0.0091)	\$ 0.1086	\$ 0.2262	\$ 0.2262	\$ 0.2575	\$ 0.2888	\$ 0.2888
Revenue Billed	\$ (291)	\$ (334)	\$ (437)	\$ 7,603	\$ 26,625	\$ 30,568	\$ 22,751	\$ 16,564	\$ 12,033
Expense	\$ 0	\$ 81	\$ (83)	\$ 44	\$ 13	\$ (66)	\$ 23	\$ 69	\$ 117
Labor	\$ 1	\$ 1	\$ (6)	\$ 1	\$ 1	\$ (14)	\$ 1	\$ 1	\$ 6
Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Labor	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Expense	\$ 19	\$ 3,053	\$ (211)	\$ 10,045	\$ 699	\$ (11,121)	\$ 4,266	\$ 5,969	\$ 7,686
Labor	\$ 82	\$ 94	\$ (102)	\$ 67	\$ 87	\$ (567)	\$ 71	\$ 94	\$ 221
Total	\$ 102	\$ 3,229	\$ (402)	\$ 10,157	\$ 800	\$ (11,768)	\$ 4,361	\$ 6,133	\$ 8,029
Monthly Over/(Under)	\$ (393)	\$ (3,563)	\$ (35)	\$ (2,554)	\$ 25,825	\$ 42,336	\$ 18,391	\$ 10,431	\$ 4,004
Cumulative Over/(Under)	\$ (113,685)	\$ (117,248)	\$ (117,283)	\$ (119,837)	\$ (94,012)	\$ (51,676)	\$ (33,285)	\$ (22,854)	\$ (18,851)

**PHILADELPHIA GAS WORKS  
LOAD BALANCING CHARGE  
JUNE 1, 2016**

<b>Storage and Peaking Asset Cost</b>	<b>\$</b>	<b>14,087,005</b>
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Design Day Requirements (Mcf)		652,781
Fulfilled from FT Capacity (Mcf)		<u>292,757</u>
Fulfilled from Storage and Peaking Assets (Excess Mcf)		360,024

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Annual Storage and Peaking Cost per Excess Mcf	\$	39.1280
Per Mcf Over / (Under) Adjustment	\$	<u>(0.0986)</u>
Load Balancing Charge	\$	39.2266

Over / (Under) Recovery	\$	(32,066)
Interest	\$	<u>(3,045)</u>
Total Over/(Under) Recovery	\$	(35,111)
Forecasted SSPC Volumes		356,204
Per Mcf Over / (Under) Adjustment	\$	(0.0986)

## Natural Gas Prices Used for PGW's - FY 2015-2016 - 3rd Quarter GCR Filing

### Basis Differentials

### Prices Used For Gas Cost Inputs

	TRANSCO						NYMEX Futures 05/04/16 Close	TRANSCO						TETCO					
	Sta 30	Sta 45	Sta 65	Sta 85	Zone 6- Non-NY	ELA		WLA	M-1	M-2	Sta 30	Sta 45	Sta 65	Sta 85	Zone 6- Non-NY	ELA	WLA	M-1	M-2
2016:5										1.88	1.86	1.95	1.95	1.42	1.91	1.91	1.90	1.29	
2016:6	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.10)	(0.72)	2.141	2.00	2.12	2.13	2.21	2.08	2.06	2.04	1.42	
2016:7	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.10)	(0.72)	2.296	2.16	2.28	2.29	2.37	2.24	2.22	2.20	1.58	
2016:8	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.10)	(0.72)	2.381	2.24	2.36	2.37	2.45	2.32	2.30	2.28	1.66	
2016:9	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.10)	(0.48)	2.423	2.28	2.40	2.41	2.49	2.36	2.34	2.32	1.94	
2016:10	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.10)	(0.48)	2.497	2.36	2.48	2.49	2.57	2.44	2.42	2.40	2.02	
2016:11	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.10)	(0.48)	2.709	2.57	2.69	2.70	2.78	2.65	2.63	2.61	2.23	
2016:12	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.10)	(0.48)	2.995	2.86	2.98	2.99	3.07	2.94	2.92	2.90	2.52	
2017:1	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.10)	(0.48)	3.118	2.98	3.10	3.11	3.19	3.06	3.04	3.02	2.64	
2017:2	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.10)	(0.48)	3.110	2.97	3.09	3.10	3.18	3.05	3.03	3.01	2.63	
2017:3	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.10)	(0.48)	3.068	2.93	3.05	3.06	3.14	3.01	2.99	2.97	2.59	
2017:4	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.10)	(0.48)	2.885	2.75	2.87	2.88	2.96	2.83	2.81	2.79	2.41	
2017:5	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.10)	(0.48)	2.879	2.74	2.86	2.87	2.95	2.82	2.80	2.78	2.40	
2017:6	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.10)	(0.48)	2.909	2.77	2.89	2.90	2.98	2.85	2.83	2.81	2.43	
2017:7	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.10)	(0.48)	2.945	2.81	2.93	2.94	3.02	2.89	2.87	2.85	2.47	
2017:8	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.10)	(0.48)	2.955	2.82	2.94	2.95	3.03	2.90	2.88	2.86	2.48	



Actual Natural Gas Billed

	<u>Jan-16</u>	<u>Feb-16</u>	<u>Mar-16</u>
Williams	\$ 2,815,441.15	\$ 2,608,476.25	\$ 2,612,510.67
Texas Eastern	\$ 2,355,435.76	\$ 2,385,532.22	\$ 2,275,575.73
Dominion	\$ 136,589.76	\$ 131,038.00	\$ 129,635.84
Equitrans	\$ -	\$ -	\$ -
Spot Purchases -Transco	\$ 59,080.75	\$ 11,507.68	\$ 19,451.31
Spot Purchases -Tetco	\$ -	\$ 2,608.76	\$ -
Transco Supply2	\$ 921,525.00	\$ 670,425.00	\$ 147,225.00
Transco Supply3	\$ -	\$ -	\$ -
Transco Supply6	\$ 752,525.00	\$ 689,837.50	\$ 737,412.50
Transco Supply7	\$ -	\$ -	\$ -
Transco Supply8	\$ 1,719,250.00	\$ 1,314,500.00	\$ 661,075.00
Transco Supply10	\$ 875,750.00	\$ 609,000.00	\$ 545,600.00
Transco Supply12	\$ -	\$ -	\$ -
Transco Supply14	\$ -	\$ -	\$ -
Transco Supply17	\$ -	\$ -	\$ -
Transco Supply20	\$ -	\$ -	\$ -
Transco Supply21	\$ -	\$ -	\$ -
Transco Supply22	\$ 1,209,275.00	\$ 1,052,012.50	\$ 490,841.16
Transco Supply23	\$ 900,700.00	\$ 948,650.00	\$ 618,450.00
Transco Supply24	\$ -	\$ -	\$ -
Transco Supply25	\$ -	\$ -	\$ -
Transco Supply26	\$ -	\$ -	\$ -
Transco Supply27	\$ -	\$ -	\$ -
Transco Supply28	\$ -	\$ -	\$ -
Transco Supply29	\$ -	\$ -	\$ -
Transco Supply30	\$ 415,787.50	\$ 388,962.50	\$ 415,787.50
Transco Supply31	\$ 416,175.00	\$ 389,325.00	\$ 416,175.00
Transco Supply32	\$ -	\$ 37,600.00	\$ -
Tetco Supply1	\$ -	\$ -	\$ -
Tetco Supply2	\$ -	\$ -	\$ -
Tetco Supply3	\$ -	\$ -	\$ -
Tetco Supply4	\$ -	\$ -	\$ -
Tetco Supply5	\$ 1,112,020.00	\$ 569,160.00	\$ 310,310.00
Tetco Supply7	\$ -	\$ -	\$ -
Tetco Supply13	\$ -	\$ -	\$ -
Tetco Supply14	\$ -	\$ -	\$ -
Tetco Supply16	\$ 373,302.39	\$ 355,975.00	\$ 387,747.61
Tetco Supply17	\$ -	\$ -	\$ -
Tetco Supply18	\$ -	\$ -	\$ -
Tetco Supply19	\$ 416,950.00	\$ 390,050.00	\$ 416,950.00
Tetco Supply20	\$ -	\$ -	\$ -
Tetco Supply21	\$ -	\$ -	\$ -
Tetco Supply22	\$ -	\$ -	\$ -
Tetco Supply23	\$ -	\$ -	\$ -
Tetco Supply24	\$ 1,609,700.00	\$ 1,541,100.00	\$ 736,000.00
Tetco Supply25	\$ 258,385.00	\$ 215,180.00	\$ 155,930.00
Tetco Supply26	\$ 898,125.00	\$ 849,849.36	\$ 408,100.00
Tetco Supply27	\$ -	\$ -	\$ -
Tetco Supply28	\$ 196,075.00	\$ 197,925.00	\$ 148,025.00
Tetco Supply29	\$ 334,412.50	\$ 312,837.50	\$ 334,412.50
<b>Total Costs</b>	<b>\$ 17,776,505</b>	<b>\$ 15,671,552</b>	<b>\$ 11,967,215</b>
Sharing Mechanism	\$ 126,672	\$ 110,174	\$ 143,697
Asset Management Agreement	\$ -	\$ -	\$ -
Off System Sales	\$ -	\$ -	\$ -
Gas Transportation Purchases	\$ 2,993	\$ 141	\$ 2,080
Adjustment/Reconciliation	\$ 644,404	\$ 536,837	\$ (425,130)
<b>Total Natural Gas Billed</b>	<b>\$ 18,550,574</b>	<b>\$ 16,318,705</b>	<b>\$ 11,687,862</b>

## Philadelphia Gas Works Summary of Fuels Purchased Three Months Ending March 2016

	Actual			Projected 2nd Qtr Filing			Projected 2nd Qtr Filing			Actual Over/Under vs Projected		
	Jan-16	Feb-16	Mar-16	Total	Jan-16	Feb-16	Mar-16	Total	Jan-16	Feb-16	Mar-16	Total
Total Natural Gas Billed	\$ 18,550,574	\$ 16,318,705	\$ 11,687,862	\$ 46,557,141	\$ 18,963,314	\$ 19,243,371	\$ 17,862,846	\$ 56,069,531	\$ (412,740)	\$ (2,924,666)	\$ (6,174,984)	\$ (9,512,390)
Less Imbalance Charge	\$ 56,290	\$ 68,924	\$ 56,340	\$ 181,554	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Less Interruptible Credit	\$ 3,498	\$ 22,647	\$ 18,236	\$ 44,381	\$ 22,108	\$ 81,992	\$ 87,337	\$ 191,437	\$ (18,610)	\$ (59,345)	\$ (69,101)	\$ (147,056)
Gas Used For Utility	\$ 81,577	\$ 94,933	\$ 57,180	\$ 233,690	\$ 152,795	\$ 164,923	\$ 135,268	\$ 452,985	\$ (71,218)	\$ (69,990)	\$ (78,088)	\$ (219,295)
	\$ 18,409,209	\$ 16,132,201	\$ 11,556,106	\$ 46,097,516	\$ 18,788,411	\$ 18,996,456	\$ 17,640,241	\$ 55,425,109	\$ (379,202)	\$ (2,864,255)	\$ (6,084,135)	\$ (9,327,593)
<b>Pipeline Storages</b>												
(To)	\$ (304,774)	\$ (159,894)	\$ (558,097)	\$ (1,022,765)	\$ (122,821)	\$ -	\$ -	\$ (122,821)	\$ (181,953)	\$ (159,894)	\$ (558,097)	\$ (899,944)
From	\$ 8,326,012	\$ 5,269,322	\$ 3,066,208	\$ 16,661,542	\$ 8,032,751	\$ 4,034,488	\$ 1,349,245	\$ 13,416,485	\$ 293,261	\$ 1,234,834	\$ 1,716,963	\$ 3,245,057
Net Pipeline Storages	\$ 8,021,238	\$ 5,109,428	\$ 2,508,111	\$ 15,638,777	\$ 7,909,931	\$ 4,034,488	\$ 1,349,245	\$ 13,293,664	\$ 111,307	\$ 1,074,940	\$ 1,158,866	\$ 2,345,113
<b>LNG Storage</b>												
(To)	\$ (882,078)	\$ (625,368)	\$ (583,957)	\$ (2,091,403)	\$ (1,025,600)	\$ (311,670)	\$ (922,567)	\$ (2,259,837)	\$ 143,522	\$ (313,698)	\$ 338,610	\$ 168,434
From	\$ 916,461	\$ 1,066,323	\$ 226,029	\$ 2,208,813	\$ 898,887	\$ 774,499	\$ 299,383	\$ 1,972,768	\$ 17,574	\$ 291,824	\$ (73,354)	\$ 236,045
Net LNG Storage	\$ 34,383	\$ 440,955	\$ (357,928)	\$ 117,410	\$ (126,714)	\$ 462,829	\$ (623,184)	\$ (287,069)	\$ 161,097	\$ (21,874)	\$ 265,256	\$ 404,479
Net Natural Gas	\$ 26,464,830	\$ 21,682,584	\$ 13,706,290	\$ 61,853,704	\$ 26,571,627.49	\$ 23,493,774	\$ 18,366,302	\$ 68,431,704	\$ (106,797)	\$ (1,811,190)	\$ (4,660,012)	\$ (6,578,000)
<b>APPLICABLE GCR EXPENSES</b>												
Net Natural Gas Expense	\$ 26,464,830	\$ 21,682,584	\$ 13,706,290	\$ 61,853,704	\$ 26,571,627	\$ 23,493,774	\$ 18,366,302	\$ 68,431,704	\$ (106,797)	\$ (1,811,190)	\$ (4,660,012)	\$ (6,578,000)
Purchased Electric & Misc	\$ 76,561	\$ 77,980	\$ 189,217	\$ 343,758	\$ 227,929	\$ 97,034	\$ 82,055	\$ 407,017	\$ (151,368)	\$ (19,054)	\$ 107,162	\$ (63,259)
Total GCR Expenses	\$ 26,541,391	\$ 21,760,564	\$ 13,895,507	\$ 62,197,462	\$ 26,799,556	\$ 23,590,808	\$ 18,448,357	\$ 68,838,721	\$ (258,165)	\$ (1,830,244)	\$ (4,552,850)	\$ (6,641,259)



**PHILADELPHIA GAS WORKS**

800 West Montgomery Avenue • Philadelphia, PA 19122

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September 1, 2016

**VIA FEDERAL EXPRESS**

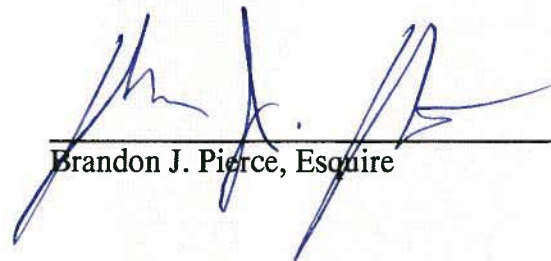
Rosemary Chiavetta, Secretary  
Pennsylvania Public Utility Commission  
Commonwealth Keystone Building  
2<sup>nd</sup> Floor, 1 North  
400 North Street  
Harrisburg, PA 17120

**Re: Pa. PUC v. Philadelphia Gas Works (4<sup>th</sup> Quarter 2015-2016 GCR Filing)**  
**Docket No.: R-2015-2465656**  
**Pa. PUC v. Philadelphia Gas Works (2015-2016 GCR Compliance Tariffs)**  
**Docket No.: R-2016-2526700**

Dear Secretary Chiavetta:

On behalf of Philadelphia Gas Works ("PGW"), enclosed please find a revised filing that updates the tariff headers for PGW Gas Service Tariff, Pa. P.U.C. No. 2, Supplement 94, filed on August 31, 2016, to be effective on September 1, 2016, which implemented PGW's 4<sup>th</sup> Quarter 2015-2016 Gas Cost Rate ("GCR") and PGW's compliance with the Commission's Order entered July 21, 2016, at Docket No. R-2016-2526700, approving PGW's 2016-2017 GCR.

Respectfully,



Brandon J. Pierce, Esquire

Enclosures

CC: Cert. of Service w/enc  
Raquel Guzman, VP Legal & General Counsel, PGW  
Marissa Boyle ([maboyle@pa.gov](mailto:maboyle@pa.gov))

**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.

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Dated: September 1, 2016

  
Brandon J. Pierce, Esquire

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

Supplement No. 94

**PHILADELPHIA GAS WORKS**  
**GAS SERVICE TARIFF**



Issued by: Craig White  
President and CEO

PHILADELPHIA GAS WORKS  
800 West Montgomery Avenue  
Philadelphia, PA 19122

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

TABLE OF CONTENTS (Page Nos. 6-7)

Updated to reflect revised page numbers for each of the changes listed below on this page. Additionally, removed Migration/Reverse Migration Rider from Page No. 7.

GAS COST RATE (GCR) – SECTION 1307(f), II. DEFINITIONS (Page No. 67)

In the definition of “GAC,” the GAC value effective September 1, 2016 increases from \$(0.05353) per Ccf to \$(0.00619) per Ccf.

GAS COST RATE (GCR) – SECTION 1307(f), II. DEFINITIONS (Page No. 67A)

In the definition of “IRC,” the “IRC” value effective September 1, 2016 decreases from \$0.00019 per Ccf to \$ 0.00017 per Ccf. In the definition of “SSC,” the “SSC” value effective September 1, 2016 increases from \$0.37551 per Ccf to \$0.42662 per Ccf.

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

The Gas Cost Rate (GCR) effective September 1, 2016 increases from \$0.32179 per Ccf to \$0.42026 per Ccf. Additionally, the Migration Rider was removed from the GAC formula in subsection III.A.

MIGRATION/REVERSE MIGRATION RIDER (Page No. 75)

This provision was removed in its entirety to comply with Act 47 of 2016, P.L. 355, which amended, *inter alia*, 66 Pa. C.S. § 1307(f)(5). The page remains in the Tariff as a placeholder for future use.

PRICE TO COMPARE (Page No. 78)

The Prices to Compare effective September 1, 2016 are: a) \$0.44410 per Ccf for Residential; b) \$0.42561 per Ccf for Commercial Customers on Rate GS; c) \$0.42569 per Ccf for Industrial Customers on Rate GS; and d) \$0.42443 per Ccf for Municipal Customers on Rate MS, The Philadelphia Housing Authority on Rate PHA, Public Housing Customers on Rate GS & Natural Gas Vehicle Service on Rate NGVS.

RESTRUCTURING AND CONSUMER EDUCATION SURCHARGE (Page No. 79)

The Current Restructuring and Consumer Education Surcharge effective September 1, 2016 is \$0.00100 per Ccf.

EFFICIENCY COST RECOVERY SURCHARGE (Page No. 80)

The Efficiency Cost Recovery Surcharges effective September 1, 2016 are: a) \$0.00195 per Ccf for Residential and Public Housing Customers on Rate GS; b) \$0.00510 per Ccf for Commercial Customers on Rate GS; c) \$0.01212 per Ccf for Industrial Customers on Rate GS; d) \$0.00000 per Ccf for Municipal Customers on Rate MS; and e) \$0.00510 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 September 1, 2016 increases from \$0.15048 per Ccf to \$0.15160 per Ccf.

OTHER POST EMPLOYMENT BENEFIT (“OPEB”) SURCHARGE (Page No. 82)

The Other Post Employment Benefit Surcharge effective September 1, 2016 increases from \$0.03003 per Ccf to \$0.03724 per Ccf.

GENERAL SERVICE – RATE GS (Page No. 83)

The Gas Cost Rate (GCR) effective September 1, 2016 increases from \$0.32179 per Ccf to \$0.42026 per Ccf.



PHILADELPHIA GAS WORKS

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GENERAL SERVICE – RATE GS (Page No. 84)

The Migration Rider and Reverse Migration Rider were removed from the list of charges that may apply to service taken under this rate.

MUNICIPAL SERVICE – RATE MS (Page No. 87)

The Gas Cost Rate (GCR) effective September 1, 2016 increases from \$0.32179 per Ccf to \$0.42026 per Ccf.

MUNICIPAL SERVICE – RATE MS (Page No. 88)

The Migration Rider and Reverse Migration Rider were removed from the list of charges that may apply to service taken under this rate.

PHILADELPHIA HOUSING AUTHORITY SERVICE – RATE PHA (Page No. 90)

The Gas Cost Rate (GCR) effective September 1, 2016 increases from \$0.32179 per Ccf to \$0.42026 per Ccf.

PHILADELPHIA HOUSING AUTHORITY SERVICE – RATE PHA (Page No. 91)

The Migration Rider and Reverse Migration Rider were removed from the list of charges that may apply to service taken under this rate.

BOILER AND POWER PLANT SERVICE – RATE BPS (Page No. 94)

The Migration Rider was removed from the list of charges that may apply to service taken under this rate.

LOAD BALANCING SERVICE – RATE LBS (Page No. 98)

The Migration Rider was removed from the list of charges that may apply to service taken under this rate.

INTERRUPTIBLE TRANSPORTATION – RATE IT (Page No. 117)

The Migration Rider was removed from the list of charges that may apply to service taken under this rate.

COGENERATION SERVICE – RATE CG (Page No. 132)

The Migration Rider was removed from the list of charges that may apply to service taken under this rate.

DEVELOPMENTAL NATURAL GAS VEHICLE SVC - RATE NGVS FIRM SERVICE (Page No. 135)

The Gas Cost Rate (GCR) effective September 1, 2016 increases from \$0.32179 per Ccf to \$0.42026 per Ccf.

DEVELOPMENTAL NATURAL GAS VEHICLE SERVICE – RATE NGVS INTERRUPTIBLE SERVICE  
(PAGE NO. 140)

The Migration Rider and Reverse Migration Rider were removed from the list of charges that may apply to service taken under this rate.

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**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 \$(0.02562) per Ccf for Commodity Costs and \$0.01943 per Ccf for Demand Costs, for service on or after September 1, 2016. The total GAC is \$(0.00619) per Ccf. (I)

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.

**(I) – Increase**

IRC - Interruptible Revenue Credit - The credit defined in Subsection VI below. The currently effective IRC is \$0.00017 per Ccf for service on or after September 1, 2016.

**(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 \$0.30489 per Ccf for Commodity Costs and \$0.12173 per Ccf for Demand Costs, for service on or after September 1, 2016. The total SSC is \$0.42662 per Ccf.

**(I)**

**(I) – Increase; (D) – Decrease**

PHILADELPHIA GAS WORKS

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III. COMPUTATION OF GAS COST RATE

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 \$0.42026 per Ccf, for service on or after September 1, 2016.

**(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**

(C)

(This page intentionally left blank for future use.)

**(C) – Change**



### 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: 4.68% - GS Residential (“GS RES”); 0.28% - GS Commercial (“GS COM”); and 0.30% - 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>	\$0.42662	\$0.42662	\$0.42662	\$0.42662	\$0.42662	\$0.42662	\$0.42662
<b>GAC</b>	(\$0.00619)	(\$0.00619)	(\$0.00619)	(\$0.00619)	(\$0.00619)	(\$0.00619)	(\$0.00619)
<b>MFC</b>	\$0.01967	\$0.00000	\$0.00118	\$0.00126	\$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>	<u>\$0.44410</u>	<u>\$0.42443</u>	<u>\$0.42561</u>	<u>\$0.42569</u>	<u>\$0.42443</u>	<u>\$0.42443</u>	<u>\$0.42443</u>

(C)

(C) - Change

## **RESTRUCTURING AND CONSUMER EDUCATION SURCHARGE**

Non-Gas restructuring and consumer education costs will be recovered by a Restructuring and Consumer Education Surcharge applicable to all volumes of Gas delivered.

1. Computation of the Restructuring and Consumer Education Surcharge factors will be in accordance with the automatic adjustment procedures utilized under Section 1307 of the Public Utility Code and will be filed and approved in conjunction with the Company's annual Section 1307(f)-GCR filing.
2. Restructuring and Consumer Education costs recovered through the Surcharge mechanism are the Commission approved costs which the Company has or will incur to meet the requirements of the Natural Choice and Competition Act and applicable Commission regulations, orders and other regulatory requirements, other than those costs pertaining to universal service and energy conservation programs.
3. Once the surcharge is in place, PGW shall file reconciliation statements quarterly and shall submit a claim for over/under recovery on an annual basis, at the same time it submits its projected Restructuring costs and Restructuring Surcharge claim for the next year; provided however, that if a project for which costs were included in the Restructuring Surcharge is cancelled or delayed beyond the year in which the cost was originally scheduled to be incurred, the Company will withdraw the projected costs of that project from the Restructuring Surcharge in its next quarterly update. No interest will be included in such surcharge computations. The basic component of the surcharge will be determined by dividing the restructuring and consumer education costs approved for annual recovery by the estimated applicable throughput in Mcf.
4. The Restructuring and Consumer Education Surcharge shall remain in effect until restructuring and consumer education costs have been collected or as otherwise directed by the Commission.
5. The Restructuring and Consumer Education Surcharge is effective on and after September 1, 2008.

Current Restructuring and Consumer Education Surcharge = \$0.00100/Ccf

**(C)**

**(C) - Change**

### 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) \$0.00195 per Ccf for Residential and Public Housing Customers on Rate GS; | (I)  |
| b) \$0.00510 per Ccf for Commercial Customers on Rate GS;                     | (I)  |
| c) \$0.01212 per Ccf for Industrial Customers on Rate GS;                     | (D)  |
| d) \$0.00000 per Ccf for Municipal Customers on Rate MS; and                  | (NC) |
| e) \$0.00510 per Ccf for The Philadelphia Housing Authority on Rate PHA.      | (I)  |

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 the Conservation Works Program (CWP) and the Enhanced Low Income Retrofit Program (ELIRP); and, 4) 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 = \$ 0.15160/Ccf.

**(I)**

**(I) - Increase**

### **OTHER POST EMPLOYMENT BENEFIT (“OPEB”) SURCHARGE**

The amounts necessary to fund PGW’s Other Post Employment Benefit obligations will be recovered by an Other Post Employment Benefit Surcharge applicable to all volumes of Gas delivered.

1. Computation of the Other Post Employment Benefit Rider 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.
2. Once the surcharge is in place it will be automatically adjusted effective September 1 of each year to account for over (under) recoveries in accordance with Section 1307(f) adjustment procedures. No interest will be included in such surcharge computations. The basic component of the surcharge will be determined plus (or minus) any over (or under) recovery from the prior period by dividing the total OPEB funding amounts approved for annual recovery by the estimated applicable throughput in Mcfs.
3. The Other Post Employment Benefit Rider Surcharge shall take effect upon the effective date of this Tariff.

Current Other Post Employment Benefit Rider Surcharge = \$0.03724/Ccf

**(I)**

**(I) - Increase**

## GENERAL SERVICE - RATE GS

Rate: Applicable to all Retail Sales Service or Transportation Service rendered pursuant to this Rate Schedule on or after September 1, 2016

### 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)):

\$ 12.00 per month for Residential and Public Housing Authority Customers.  
\$ 18.00 per month for Commercial Customers  
\$ 50.00 per month for Industrial Customers

Surcharge: Distribution System Improvement Charge.

Plus,

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

\$0.42026 per Ccf for Residential and Public Housing (I)  
\$0.42026 per Ccf for Commercial Customers (I)  
\$0.42026 per Ccf for Industrial Customers (I)

Plus,

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

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

\$0.60067 per Ccf for Residential  
\$0.49441 per Ccf for Public Housing  
\$0.45984 per Ccf for Commercial and Municipal Customers  
\$0.45332 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.

PHILADELPHIA GAS WORKS

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Also,

The following may apply:

(C)

SPECIAL PROVISION – Air Conditioning Rider

SPECIAL PROVISION – Compressed Natural Gas (CNG) Rider

EXIT FEE

SENIOR CITIZEN DISCOUNT – to the extent authorized by this Gas Service Tariff.

(C) – Change



## MUNICIPAL SERVICE - RATE MS

Rate: Applicable to all Retail Sales Service or Transportation Service rendered pursuant to this Rate Schedule on or after September 1, 2016.

### 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):

\$ 18.00 per month

Surcharge: Distribution System Improvement Charge.

Plus,

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

\$0.42026 per Ccf

(I)

Plus,

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

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

\$0.33661 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.

Also,

The following Riders may apply:

(C)

SPECIAL PROVISION – Air Conditioning Rider  
SPECIAL PROVISION – Compressed Natural Gas (CNG) Rider  
EXIT FEE

CONTRACT

Standard service agreements are for a one year period.

COMPANY RULES

The provisions of this Tariff shall govern the supply of services under this Rate Schedule.

**(C) – Change**

**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 September 1, 2016

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);

\$18.00 per month

Surcharge: Distribution System Improvement Charge.

Plus,

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

\$0.42026 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):

\$0.41101 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

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Also,

The following Riders may apply:

(C)

SPECIAL PROVISION – Air Conditioning Rider  
EXIT FEE

CONTRACT

Standard service agreements are for a one year period.

COMPANY RULES

The provisions of this Tariff shall govern the supply of Gas under this classification.

**(C) – Change**

All BPS pricing information is as published by the Journal of Commerce, or a successor publication, or where none exists, a publication selected by the Company pending final approval of the Commission, as posted in the first 12 issues of the calendar month in which the calculation is made. The price is adjusted for Btu equivalence. In no event, however, shall such charges be less than 110% of the incremental Gas costs for Gas sold under this rate schedule plus an adjustment for all applicable taxes, as determined by the Company.

The Commodity Charge for Rate BPS Customers, as calculated above, will be available by the last working day of each month, and will be applicable for the subsequent calendar month, to the extent that service under this rate can be made available. The company reserves the right to adjust the price during the month and make such information available in the event that, in the company's sole opinion, the prices warrant such adjustment.

The following Riders may apply:

(C)

SPECIAL PROVISION – Air Conditioning Rider  
SPECIAL PROVISION – Emergency/ Unauthorized Use Gas Rider

#### MINIMUM CHARGE

The monthly Minimum Charge is the Customer Charge set forth above.

#### GAS COST RATE

The Gas Cost Rate does not apply to this service.

#### CONTRACT

Standard service agreements are for not less than a one-year period. The Company reserves the right to limit the amount of Gas supplied under this rate to the annual contract quantity specified in the Service Agreement with the Customer.

#### GAS MEASUREMENT

The quantity of Gas consumed will be corrected for billing purposes to conditions of 14.73 pounds per square inch absolute pressure and 60 degrees Fahrenheit.

(C) – Change

The rate so calculated will be available by the last working day of each month, and will be applicable for the subsequent calendar month, to the extent that service under this rate can be made available. The company reserves the right to adjust the price during the month and make such information available in the event that, in the company's sole opinion, the prices warrant such adjustment.

The following Riders may apply:

(C)

SPECIAL PROVISION – Emergency/Unauthorized Use Gas Rider

MINIMUM CHARGE

The monthly Minimum Charge is the Customer Charge.

GAS COST RATE

The Gas Cost Rate does not apply to this service.

CONTRACT

Standard contracts are for not less than a one year period. The Company reserves the right to limit the amount of Gas supplied under this rate to the Annual Contract Quantity specified in the Service Agreement with the Customer. The minimum charge shall be on a monthly service period basis and shall not be less than the Customer Charge.

GAS MEASUREMENT

The quantity of Gas consumed will be corrected for billing purposes to conditions of 14.73 pounds per square inch absolute pressure and sixty degrees Fahrenheit.

(C) – Change

STANDBY SERVICE

Contingent upon the Company's ability to arrange the required supply contracts, a Customer may contract for Standby Service to purchase Gas from the Company under a specified Retail Rate Schedule, in the event that the Customer experiences an interruption or curtailment in Transportation Service by a Supplier. The contract term for Standby Service shall be a minimum of one year. The maximum volume of Gas that the Company is obligated to provide under Standby Service on any Gas day shall be specified in the individual service agreement. Volumes taken in excess of the specified daily standby limits, except for those volumes authorized and supplied by the Company under an applicable retail rate, shall be purchased by the Customer at the higher of: (a) 150% of the average of the two highest Daily Market Index Prices for the monthly period beginning on the first day of the month; or (b) 150% of the Company's highest incremental supply cost for the month.

A Customer contracting for Standby Service shall pay a monthly reservation charge. This charge shall be based on the demand charge paid by the Company to its highest cost pipeline and then applied to the supplier's Standby Service Quantity as specified in the individual Service agreement. The Company may revise the reservation charge no more frequently than monthly to reflect changes in the pipeline demand and related charges. The reservation charge prorated on a daily basis will be credited to all volumes purchased under the standby service. In addition, at the end of each contract year, the Customer will be assessed those minimum bill or take-or-pay charges actually paid by the Company to its own suppliers, which are attributable to the volume reserved but not taken under this Standby Service.

LIABILITY

The Company shall not be liable for curtailment of service under this rate schedule or loss of Gas of the Customer as a result of any steps taken to comply with any law, regulation or order of any governmental agency with jurisdiction to regulate, allocate or control Gas supplies or the rendering of service hereunder, and regardless of any defect in such law, regulation or order.

The Company reserves the right to commingle transport Gas with its other supplies but Gas is and remains the property of the Customer while being transported and delivered by the Company. The Customer shall be responsible for maintaining all insurance it deems necessary to protect its property interest in such Gas before, during and after receipt by the Company. The Company shall not be liable for any loss to the Customer or any other entity or person(s) arising from or out of service under this rate schedule, including loss of Gas in the possession of the Company or any other cause.

COMPANY RULES

The provisions this Tariff shall govern the service under this classification except where noted herein.

The following Riders may apply:

**(C)**

**(C) – Change**



PHILADELPHIA GAS WORKS

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For Customers contracting under this service for over 1,000,000 Mcf of Gas per year, the above fixed contribution shall be determined by negotiation between the Customer and the Company provided, however, that the contribution, so determined, shall not be less than 10% of the above computed cost of Gas.

This commodity charge shall be applicable so long as the facility is operating in accordance with this rate. In the event of operations otherwise, the Gas utilized will be billed at the appropriate rate.

The following Riders may apply:

(C)

SPECIAL PROVISION – Emergency/Unauthorized Use Rider

MINIMUM CHARGE

The monthly Minimum Charge is the Customer Charge.

GAS COST RATE

The Gas Cost Rate does not apply to this service.

CONTRACT TERM

The duration of the Gas Service contract shall be as specified in the required individual Service Agreement. In no event shall the contract term be for a period of less than one year.

GAS MEASUREMENT

The quantity of Gas consumed will be corrected for billing purposes to conditions of 14.73 pounds per square inch absolute pressure and 60 degrees Fahrenheit.

CONDITIONS OF USE

The Customer will be required to pay for the investment in facilities which PGW installs to provide service under this rate schedule. The Company shall own and maintain such facilities. Gas used for cogeneration purposes shall be separately metered, where in the Company's judgment, separate metering is practicable. If the Company determines that separate metering is not appropriate, cogeneration use shall be estimated by the Company for billing purposes. For existing Customers qualifying for service under this rate schedule, monthly base period usage levels will be defined in the individual service agreement. Monthly usage up to these specified levels will continue to be billed as the first Gas through the meter each month at the then current level of the rate schedule under which the Customer is now receiving service, followed by all qualifying volumes billed under this cogeneration service.

**(C) – Change**

**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  
September 1, 2016

**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):

\$0.42026 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.

PHILADELPHIA GAS WORKS

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The following Riders may apply:

(C)

SPECIAL PROVISION – Emergency/Unauthorized Use Gas Rider

MINIMUM CHARGE

The monthly Minimum Charge is the Customer charge set forth above.

APPLICABLE TAXES

The Customer will reimburse the Company for all taxes payable by the Company to any governmental body on sales of Gas and/or for services rendered under this rate schedule.

GAS COST RATE

The Gas Cost Rate does not apply to this service.

CONTRACT TERM

The duration of the contract for service under this rate schedule shall be as specified in the required individual service agreement. In no event shall the contract term be for a period of less than one year.

GAS MEASUREMENT

The quantity of Gas consumed will be corrected for billing purposes to conditions of 14.73 pounds per square inch absolute pressure and 60 degrees Fahrenheit.

CONDITIONS OF USE

All Gas volumes received under this rate schedule shall be separately metered. The use of such Gas for any purpose other than as a fuel for motor vehicles is prohibited. The Company reserves the right to inspect the facilities and equipment of Customer to ensure compliance. Violation of this provision may be grounds for termination of service, and may subject the Customer to penalty charges for unauthorized Gas usage.

The Company is not obligated to construct compressor stations for dispensing Gas under this rate schedule. However, if the Company in its sole judgment, elects to construct or acquire such facilities, and establishes public access to these facilities, the charge for compression of Natural Gas and refueling at the company station, will be set forth in the service agreement with Customers contracting for such service.

**(C) – Change**



**PHILADELPHIA GAS WORKS**

800 West Montgomery Avenue • Philadelphia, PA 19122

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November 30, 2016

**VIA FEDERAL EXPRESS**

Rosemary Chiavetta, Secretary  
Pennsylvania Public Utility Commission  
Commonwealth Keystone Building  
2<sup>nd</sup> Floor, 1 North  
400 North Street  
Harrisburg, PA 17120

**Re: Pa. PUC v. Philadelphia Gas Works (1<sup>st</sup> Quarter 2016-2017 GCR Filing)**  
**Docket No.: R-2016-2526700**

Dear Secretary Chiavetta:

On behalf of Philadelphia Gas Works ("PGW"), enclosed please find the following Tariff Supplements and supporting schedules:

- 1) PGW Gas Service Tariff, Pa. P.U.C. No. 2, Supplement No. 97; and
- 2) PGW Gas Supplier Tariff, Pa. P.U.C. No. 1, Supplement No. 68.

These supplements are being filed to implement PGW's 1<sup>st</sup> Quarter 2016-2017 Gas Cost Rate ("GCR"). The Tariff Supplements are to become effective on one day's notice on December 1, 2016.

Respectfully,



Brandon J. Pierce, Esquire

Enclosures

cc: Cert. of Service w/enc  
Raquel Guzman, VP Legal & General Counsel, PGW  
Marissa Boyle ([maboyle@pa.gov](mailto:maboyle@pa.gov))

## 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.

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Dated: November 30, 2016



Brandon J. Pierce, Esquire

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

Supplement No. 97

**PHILADELPHIA GAS WORKS**  
**GAS SERVICE TARIFF**



Issued by: Craig White  
President and CEO

PHILADELPHIA GAS WORKS  
800 West Montgomery Avenue  
Philadelphia, PA 19122



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

TABLE OF CONTENTS (Page Nos. 6-7)

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

DEFINITIONS – UNACCOUNTED FOR GAS (Page No. 14)

In the definition of “UNACCOUNTED FOR GAS”, the Lost and Unaccounted for Gas and Retainage Rate percentage has changed to 3.2 percent, effective December 1, 2016.

GAS COST RATE (GCR) – SECTION 1307(f), II. DEFINITIONS (Page No. 67)

In the definition of “GAC,” the “GAC” value effective December 1, 2016 increases from \$(0.00619) per Ccf to \$(0.00474) per Ccf.

GAS COST RATE (GCR) – SECTION 1307(f), II. DEFINITIONS (Page No. 67A)

In the definition of “IRC,” the “IRC” value effective December 1, 2016 increases from \$0.00017 to \$0.00020 per Ccf. In the definition of “SSC,” the “SSC” value effective December 1, 2016 decreases from \$0.42662 per Ccf to \$0.42071 per Ccf.

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

The Gas Cost Rate (GCR) effective December 1, 2016 decreases from \$0.42026 per Ccf to \$0.41577 per Ccf.

PRICE TO COMPARE (Page No. 78)

The Prices to Compare effective December 1, 2016 are: a) \$0.43943 per Ccf for Residential; b) \$0.42113 per Ccf for Commercial Customers on Rate GS; c) \$0.42122 per Ccf for Industrial Customers on Rate GS; and d) \$0.41997 per Ccf for Municipal Customers on Rate MS, The Philadelphia Housing Authority on Rate PHA, Public Housing Customers on Rate GS & Natural Gas Vehicle Service on Rate NGVS.

EFFICIENCY COST RECOVERY SURCHARGE (Page No. 80)

The Efficiency Cost Recovery Surcharges effective December 1, 2016 are: a) \$0.00247 per Ccf for Residential and Public Housing Customers on Rate GS; b) \$0.00610 per Ccf for Commercial Customers on Rate GS; c) \$0.00384 per Ccf for Industrial Customers on Rate GS; d) \$0.00000 per Ccf for Municipal Customers on Rate MS; and e) \$0.00610 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, 2016 decreases from \$0.15160 per Ccf to \$0.13045 per Ccf.

GENERAL SERVICE – RATE GS (Page No. 83)

The Gas Cost Rate (GCR) effective December 1, 2016 decreases from \$0.42026 per Ccf to \$0.41577 per Ccf.

MUNICIPAL SERVICE – RATE MS (Page No. 87)

The Gas Cost Rate (GCR) effective December 1, 2016 decreases from \$0.42026 per Ccf to \$0.41577 per Ccf.

PHILADELPHIA HOUSING AUTHORITY SERVICE – RATE PHA (Page No. 90)

The Gas Cost Rate (GCR) effective December 1, 2016 decreases from \$0.42026 per Ccf to \$0.41577 per Ccf.

DEVELOPMENTAL NATURAL GAS VEHICLE SVC - RATE NGVS FIRM SERVICE (Page No. 135)

The Gas Cost Rate (GCR) effective December 1, 2016 decreases from \$0.42026 per Ccf to \$0.41577 per Ccf.

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<b>Municipal Service - Rate MS</b> _____	Seventy Second Revised 87
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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 3.2%. 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>.

**(I)**

**(I) - Increase**

**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 \$(0.02239) per Ccf for Commodity Costs and \$0.01765 per Ccf for Demand Costs, for service on or after December 1, 2016. The total GAC is \$(0.00474) per Ccf. (I)

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.

**(I) – Increase**

IRC - Interruptible Revenue Credit - The credit defined in Subsection VI below. The currently effective IRC is \$0.00020 per Ccf for service on or after December 1, 2016.

**(I)**

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 \$0.28475 per Ccf for Commodity Costs and \$0.13596 per Ccf for Demand Costs, for service on or after December 1, 2016. The total SSC is \$0.42071 per Ccf.

**(D)**

**(I) – Increase; (D) – Decrease**

### III. COMPUTATION OF GAS COST RATE

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 \$0.41577 per Ccf, for service on or after December 1, 2016.

**(D)**

### 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).

**(D) – Decrease**



### 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: 4.68% - GS Residential (“GS RES”); 0.28% - GS Commercial (“GS COM”); and 0.30% - 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>	\$0.42071	\$0.42071	\$0.42071	\$0.42071	\$0.42071	\$0.42071	\$0.42071
<b>GAC</b>	(\$0.00474)	(\$0.00474)	(\$0.00474)	(\$0.00474)	(\$0.00474)	(\$0.00474)	(\$0.00474)
<b>MFC</b>	\$0.01946	\$0.00000	\$0.00116	\$0.00125	\$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>	\$0.43943	\$0.41997	\$0.42113	\$0.42122	\$0.41997	\$0.41997	\$0.41997

(C)

(C) - Change

### 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) \$0.00247 per Ccf for Residential and Public Housing Customers on Rate GS; | (I)  |
| b) \$0.00610 per Ccf for Commercial Customers on Rate GS;                     | (I)  |
| c) \$0.00384 per Ccf for Industrial Customers on Rate GS;                     | (D)  |
| d) \$0.00000 per Ccf for Municipal Customers on Rate MS; and                  | (NC) |
| e) \$0.00610 per Ccf for The Philadelphia Housing Authority on Rate PHA.      | (I)  |

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 the Conservation Works Program (CWP) and the Enhanced Low Income Retrofit Program (ELIRP); and, 4) 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 = \$ 0.13045/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, 2016

### 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)):

\$ 12.00 per month for Residential and Public Housing Authority Customers.  
\$ 18.00 per month for Commercial Customers  
\$ 50.00 per month for Industrial Customers

Surcharge: Distribution System Improvement Charge.

Plus,

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

\$0.41577 per Ccf for Residential and Public Housing (D)  
\$0.41577 per Ccf for Commercial Customers (D)  
\$0.41577 per Ccf for Industrial Customers (D)

Plus,

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

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

\$0.60067 per Ccf for Residential  
\$0.49441 per Ccf for Public Housing  
\$0.45984 per Ccf for Commercial and Municipal Customers  
\$0.45332 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.

**(D) – Decrease**

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

## 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, 2016.

### 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):

\$ 18.00 per month

Surcharge: Distribution System Improvement Charge.

Plus,

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

\$0.41577 per Ccf

**(D)**

Plus,

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

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

\$0.33661 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.

**(D) – Decrease**

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

**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, 2016

**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);

\$18.00 per month

Surcharge: Distribution System Improvement Charge.

Plus,

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

\$0.41577 per Ccf

**(D)**

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):

\$0.41101 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.

**(D) – Decrease**

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

**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, 2016

**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):

\$0.41577 per Ccf

**(D)**

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.

**(D) – Decrease**

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



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

Supplement No. 68

# PHILADELPHIA GAS WORKS

## GAS SUPPLIER TARIFF



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

List of Changes Made by this Tariff

DEFINITIONS – UNACCOUNTED FOR GAS (Page No. 11)

In the definition of “UNACCOUNTED FOR GAS”, the Lost and Unaccounted for Gas and Retainage Rate percentage has changed to 3.2 percent, effective December 1, 2016.

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

The load balancing charge effective December 1, 2016, is \$38.5163 per design day Mcf.

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**METER READ DATE** - The date on which the Company schedules a meter to be read for purposes of producing a Customer bill in accordance with the regularly scheduled billing cycles of the Company.

**NATURAL GAS SUPPLY SERVICE** – Services provided by a Natural Gas Supplier as defined in section 2202 of the Gas Choice Act, 66 Pa. C.S. sec 2202.

**OPERATIONAL FLOW ORDER ("OFO")** - A directive issued by Company to Supplier, which is reasonably necessary to alleviate conditions that threaten the operational integrity of the Company's system on a critical day.

**PURCHASE OF RECEIVABLES ("POR")** – The program (and all relevant stipulations) addressed within the PUC approved Joint Petition for Settlement of Philadelphia Gas Works' Supplier of Last Resort Collaborative at Docket No. R-2008-2073938 and Philadelphia Gas Works' Purchase of Receivables Collaborative at Docket No. R-2009-2139884 as amended, modified other otherwise revised under Applicable Law.

**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 3.2%. 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>. (I)

**UPSTREAM CAPACITY ASSIGNMENT, RELEASE OR TRANSFER** – The process to provide access to interstate pipeline capacity and storage contracts owned by Company to Supplier pursuant to Company's tariff and any applicable regulatory rules.

**(I) - Increase**

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 \$38.5163 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**

# Supporting Schedules



# 1<sup>ST</sup> QUARTER FILING - DECEMBER 1, 2016

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**Philadelphia Gas Works**  
**Levelized Gas Cost Rate**  
**1st Qtr Filing - December 1, 2016**

Formula:  
**GCR = SSC + GAC - IRC**

where:

	<u>Demand</u>	<u>Commodity</u>	<u>Total</u>	
<b>S = Firm Sales (Mcf)</b>			<b>44,958,432</b>	Schedule 2
<hr/>				
Net Natural Gas Expense	\$ 55,090,688	\$ 130,570,879	\$ 185,661,567	
Purchased Electric & Misc Expenses	\$ -	\$ 817,312	\$ 817,312	
<b>Total Natural Gas Expense</b>	<b>\$ 55,090,688</b>	<b>\$ 131,388,190</b>	<b>\$ 186,478,878</b>	Schedule 3
C-Factor Reconciliation	\$ 6,817,365	\$ (1,732,954)	\$ 5,084,411	Schedule 7(b)
<b>C = Total Applicable GCR Expense</b>	<b>\$ 61,908,053</b>	<b>\$ 129,655,236</b>	<b>\$ 191,563,289</b>	
<b>SSC = C / S</b>	<b>\$ 1.3770</b>	<b>\$ 2.8839</b>	<b>\$ 4.2609</b>	
<hr/>				
<b>Adjustment For:</b>				
E-Factor Volumes (Mcf)			39,361,861	
E-Factor Reconciliation	\$ 7,098,108	\$ (9,004,715)	\$ (1,906,607)	Schedule 7(c)
<b>E = E-Factor</b>	<b>\$ 0.1803</b>	<b>\$ (0.2288)</b>	<b>\$ (0.0484)</b>	
<hr/>				
Interruptible Revenue Credit			\$ 87,522	Schedule 4(a)
<b>IRC = Interruptible Revenue Credit / S</b>			<b>\$ 0.0019</b>	
<hr/>				
<b>Net Applicable GCR Expenses = C + E - Interruptible Revenue Credit</b>			<b>\$ 189,569,160</b>	
<b><u>GCR = SSC + GAC - IRC</u></b>			<b>\$ 4.2105</b>	
<hr/>				
SSC in effect 12/01/16	\$ 1.3596	\$ 2.8475	\$ 4.2071	
GAC in effect 12/01/16	\$ 0.1765	\$ (0.2239)	\$ (0.0474)	
IRC in effect 12/01/16			\$ (0.0020)	
GCR in effect 12/01/16			\$ 4.1577	Schedule 8
<hr/>				
<b>Recovery Test on:</b>				
Firm Sales (Mcf)			44,958,432	
= GCR Projected Recovery		\$	187,318,378	
= Load Balancing Revenue		\$	1,149,315	
= LNG Sales Demand Revenue		\$	1,100,657	
= Total Projected Recovery		\$	189,568,350	Schedule 8
Compared To				
Net Applicable GCR Expenses		\$	189,569,160	
= Net Over/(Under) Recovery		\$	(810)	
<hr/>				
Degree Days			4,237	

## Philadelphia Gas Works

## Price To Compare (\$ / MCF)

December 1, 2016

	<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>	\$4.1577	(\$0.0494)	\$4.2071	4.68%	\$0.1946	\$0.0400	(\$0.0474)	\$4.3943
<b>Commercial GS</b>	\$4.1577	(\$0.0494)	\$4.2071	0.28%	\$0.0116	\$0.0400	(\$0.0474)	\$4.2113
<b>Industrial GS</b>	\$4.1577	(\$0.0494)	\$4.2071	0.30%	\$0.0125	\$0.0400	(\$0.0474)	\$4.2122
<b>Phila. Housing Authority (PHA)</b>	\$4.1577	(\$0.0494)	\$4.2071	0%	\$0.0000	\$0.0400	(\$0.0474)	\$4.1997
<b>Municipal (MS)</b>	\$4.1577	(\$0.0494)	\$4.2071	0%	\$0.0000	\$0.0400	(\$0.0474)	\$4.1997
<b>NGV Firm</b>	\$4.1577	(\$0.0494)	\$4.2071	0%	\$0.0000	\$0.0400	(\$0.0474)	\$4.1997
<b>Phila. Housing Authority (GS)</b>	\$4.1577	(\$0.0494)	\$4.2071	0%	\$0.0000	\$0.0400	(\$0.0474)	\$4.1997

**SALES & VOLUMES**

**DECEMBER 2016 THROUGH NOVEMBER 2017**

MONTH	TOTAL VOLUMES 1	FIRM TRANSPORT VOLUMES 2	BILLED SALES 3 = (1 + 2)	INTERRUPTIBLE SALES 4	LNG SALES 4A	AIR CONDITIONING SALES 4B	GCR FIRM SALES 5 = (3 - 4 - 4A - 4B)	SENIOR CITIZEN DISCOUNT SALES 6	APPLICABLE VOLUMES 7 = (5 - 6 + 2)
JANUARY 2017	10,300,280	873,859	9,426,421	209	62,226	-	9,363,986	60,419	10,177,426
FEBRUARY	9,099,633	758,273	8,341,360	189	56,204	-	8,284,967	52,707	8,990,533
MARCH	7,104,915	619,899	6,485,016	209	62,226	-	6,422,581	39,599	7,002,881
APRIL	4,875,757	402,971	4,472,786	202	60,219	-	4,412,365	26,573	4,788,763
MAY	2,380,985	239,536	2,141,449	209	62,226	5	2,079,009	11,212	2,307,333
JUNE	1,370,811	187,663	1,183,147	202	60,219	1,049	1,121,678	4,705	1,304,636
JULY	1,258,716	179,838	1,078,878	461	62,226	1,652	1,014,539	4,046	1,190,330
AUGUST	1,122,492	160,073	962,419	461	62,226	2,147	897,584	3,538	1,054,120
SEPTEMBER	1,130,598	163,917	966,681	446	82,192	1,697	882,346	3,400	1,042,863
OCTOBER	1,745,039	252,282	1,492,757	461	84,932	119	1,407,245	6,089	1,653,439
NOVEMBER	3,830,052	440,434	3,389,618	446	82,192	-	3,306,980	16,809	3,730,605
TOTAL	50,705,023	4,936,901	45,768,122	3,707	799,315	6,668	44,958,432	265,491	49,629,842

Projected Applicable Fuel Expense  
SUMMARY

FY 2016-2017 1st Quarter Filing

	DECEMBER 2016	JANUARY 2017	FEBRUARY 2017	MARCH 2017	APRIL 2017	MAY 2017	JUNE 2017	JULY 2017	AUGUST 2017	SEPTEMBER 2017	OCTOBER 2017	NOVEMBER 2017	TOTAL
NATURAL GAS BILLED	\$4,847,143	\$4,846,246	\$4,871,555	\$4,785,138	\$4,493,188	\$4,473,446	\$4,491,215	\$4,471,473	\$4,470,400	\$4,388,654	\$4,365,852	\$4,586,380	\$55,090,688
DEMAND CHARGE	\$18,627,653	\$21,176,474	\$13,896,184	\$15,073,198	\$13,157,625	\$9,680,620	\$5,870,865	\$5,688,815	\$5,691,637	\$6,562,416	\$11,413,931	\$9,831,011	\$136,670,428
COMMODITY CHARGE	\$23,474,796	\$26,022,720	\$18,767,739	\$19,858,336	\$17,650,812	\$14,154,066	\$10,362,079	\$10,160,288	\$10,162,037	\$10,951,070	\$15,779,782	\$14,417,391	\$191,761,116
INTERRUPTIBLE & A/C CREDIT	\$591	\$609	\$527	\$594	\$595	\$616	\$3,505	\$6,005	\$7,420	\$6,459	\$1,828	\$1,360	\$30,110
SENDOUT VOLUME IN MCF	218	216	195	216	209	221	1,292	2,183	2,694	2,214	599	461	10,718
DKT CONVERSION FACTOR	1,050	1,050	1,050	1,050	1,050	1,050	1,050	1,050	1,050	1,050	1,050	1,050	10,718
PRICE \$/DKT	\$2,5836	\$2,6887	\$2,5775	\$2,6237	\$2,7149	\$2,6563	\$2,5836	\$2,6198	\$2,6227	\$2,7782	\$2,9065	\$2,8085	\$2,8085
GAS USED FOR UTILITY	\$110,417	\$142,744	\$147,999	\$134,834	\$75,591	\$39,216	\$26,135	\$21,003	\$25,298	\$32,936	\$43,413	\$65,610	\$865,197
NATURAL GAS TO STORAGE	\$0	\$0	\$0	\$0	(\$3,396,806)	(\$4,922,851)	(\$3,474,298)	(\$3,203,302)	(\$3,207,103)	(\$3,453,262)	(\$3,475,916)	\$0	(\$25,133,537)
FROM STORAGE PGW	\$2,952,090	\$4,167,566	\$6,902,779	\$3,012,899	\$235,406	\$0	\$0	\$0	\$0	\$0	\$0	\$5,338,119	\$22,608,859
FT FROM STORAGE	\$214,627	\$334,361	\$266,416	\$81,227	\$1,207	\$0	\$0	\$0	\$0	\$0	\$0	\$40,529	\$938,367
NET NATURAL GAS STORAGE	\$2,952,090	\$4,167,566	\$6,902,779	\$3,012,899	(\$3,161,400)	(\$4,922,851)	(\$3,474,298)	(\$3,203,302)	(\$3,207,103)	(\$3,453,262)	(\$3,475,916)	\$5,338,119	(\$2,524,678)
LNG TO STORAGE	(\$1,010,256)	(\$428,600)	(\$316,632)	(\$1,039,669)	(\$922,750)	(\$294,697)	(\$14,066)	\$0	\$0	(\$28,301)	(\$619,556)	(\$1,152,471)	(\$5,826,999)
FROM LNG PGW	\$387,866	\$800,094	\$721,089	\$371,566	\$364,627	\$379,693	\$368,235	\$380,540	\$380,540	\$432,957	\$448,297	\$435,690	\$5,471,194
FT FROM LNG	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
NET LNG STORAGE	(\$622,391)	\$371,493	\$404,457	(\$668,103)	(\$558,123)	\$84,996	\$354,169	\$380,540	\$380,540	\$404,656	(\$171,259)	(\$716,781)	(\$355,805)
LNG SALES FROM LNG TANK	\$173,238	\$175,509	\$159,699	\$177,861	\$174,972	\$182,615	\$177,243	\$183,176	\$183,176	\$241,948	\$250,115	\$244,208	\$2,323,760
SENDOUT VOLUMES (MCF)	62,226	62,226	56,204	62,226	60,219	62,226	60,219	62,226	62,226	82,192	84,932	82,192	799,315
@ AVG LNG COMMODITY RATE	\$2,7840	\$2,8205	\$2,8414	\$2,8583	\$2,9056	\$2,9347	\$2,9433	\$2,9437	\$2,9437	\$2,9437	\$2,9449	\$2,9712	\$2,9712
NET NATURAL GAS EXPENSE	\$25,520,249	\$30,242,917	\$25,766,750	\$21,889,842	\$13,680,131	\$9,093,764	\$7,035,069	\$7,127,342	\$7,119,580	\$7,621,120	\$11,837,252	\$18,727,551	\$185,661,567
APPLICABLE GCR EXPENSE	\$25,520,249	\$30,242,917	\$25,766,750	\$21,889,842	\$13,680,131	\$9,093,764	\$7,035,069	\$7,127,342	\$7,119,580	\$7,621,120	\$11,837,252	\$18,727,551	\$185,661,567
NET NATURAL GAS EXPENSE	\$76,359	\$103,785	\$99,004	\$84,055	\$55,487	\$42,755	\$26,931	\$45,806	\$31,867	\$23,643	\$50,948	\$51,671	\$692,312
PURCHASED ELECTRIC & MISC PLANALYTICS	\$0	\$125,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$125,000
TOTAL APPLICABLE EXPENSES	\$25,596,608	\$30,471,703	\$25,865,753	\$21,973,898	\$13,735,618	\$9,136,518	\$7,062,000	\$7,173,148	\$7,151,447	\$7,644,764	\$11,888,200	\$18,779,222	\$186,476,878
TOTAL GCR FIRM SALES	5,765,152	9,363,986	8,284,967	6,422,581	4,412,365	2,079,009	1,121,678	1,014,539	897,584	882,346	1,407,245	3,306,980	44,958,432

**INTERRUPTIBLE REVENUE CREDIT**  
**December 1, 2016**

Fiscal Year 2016 Reconciliation (8/31/16) \$ 85,233 Schedule 4(c)

<u>MONTH</u>	<u>IRC</u> <u>CREDIT</u>	<u>MARGIN</u>	
September-16	Actual \$ (1,677)	\$ 2,874	
October	Actual \$ (2,051)	\$ 5,287	
November	Estimated \$ (5,078)	\$ 153	
Act/Est IRC Credit September 2016 to November 2016	<u>\$ (8,806)</u>		
Act/Est Margin September 2016 to November 2016		<u>\$ 8,314</u>	<u>\$ 8,314</u>
FY 2016 Reconciliation Plus Act/Est Margin September 2016 to November 2016			<u>\$ 93,547</u>

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FY 2016 Reconciliation Plus Act/Est Margin September 2016 to November 2016	\$ 93,547	
Act/Est IRC Credit September 2016 to November 2016	<u>\$ (8,806)</u>	
Reconciliation as of November 30, 2016	\$ 84,741	
Margin - December 2016 through November 2017	<u>\$ 2,780</u>	Schedule 4(b)
December 1, 2016 Interruptible Revenue Credit	\$ 87,522	

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GCR Firm Sales **44,958,432** Schedule 2

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December 1, 2016 IRC/Mcf \$ 0.0019



**INTERRUPTIBLE REVENUE MARGIN**  
**1ST QTR FILING**

<u>MONTH</u>		<u>MARGIN</u>
December-16	Estimated	\$ 158
January-17	Estimated	\$ 157
February	Estimated	\$ 141
March	Estimated	\$ 157
April	Estimated	\$ 152
May	Estimated	\$ 157
June	Estimated	\$ 152
July	Estimated	\$ 346
August	Estimated	\$ 346
September	Estimated	\$ 335
October	Estimated	\$ 346
November	Estimated	\$ 335
Total		\$ <u>2,780</u>

**INTERRUPTIBLE REVENUE CREDIT**  
**FY 2016**

Fiscal Year 2015 Reconciliation (8/31/15) \$ 33,111

<u>MONTH</u>	<u>IRC</u> <u>CREDIT</u>	<u>MARGIN</u>	
September-15	Actual \$ (679)	\$ 417	
October	Actual \$ (1,073)	\$ 11,721	
November	Actual \$ (1,924)	\$ 60,473	
December	Actual \$ (3,282)	\$ 3,992	
January-16	Actual \$ (5,910)	\$ 4,351	
February	Actual \$ (6,888)	\$ 714	
March	Actual \$ (9,186)	\$ 774	
April	Actual \$ (8,589)	\$ 6,656	
May	Actual \$ (5,418)	\$ (419)	
June	Actual \$ (2,920)	\$ 1,736	
July	Actual \$ (1,815)	\$ (72)	
August	Actual \$ (1,628)	\$ 11,090	
<b>Actual IRC Credit September 2015 to August 2016</b>	<u>\$ (49,312)</u>		
<b>Actual Margin September 2015 to August 2016</b>		<u>\$ 101,434</u>	<u>\$ 101,434</u>
<b>FY 2015 Reconciliation Plus Actual Margin September 2015 to August 2016</b>			<u>\$ 134,545</u>

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<b>FY 2015 Reconciliation Plus Actual Margin September 2015 to August 2016</b>	\$ 134,545
<b>Actual IRC Credit September 2015 to August 2016</b>	<u>\$ (49,312)</u>
<b>Reconciliation as of August 31, 2016</b>	\$ 85,233

**CALENDAR YEAR 2015  
PHILADELPHIA GAS WORKS  
INTEREST RATE CALCULATION**

MONTH	NET COST	C FACTOR			INTEREST
	OF FUEL	% of GCR	OVER/	(UNDER)	RATE
1	2	3 = (2 - 1)	4		
(\$)	(\$)	(\$)	(\$)	(\$)	
JANUARY	44,475,311	46,898,006	2,422,695		
FEBRUARY	49,443,136	54,569,367	5,126,231		
MARCH	31,185,138	44,760,816	13,575,678		
APRIL	11,837,315	22,304,657	10,467,342		
MAY	8,878,270	8,871,471	(6,799)		
JUNE	6,006,339	5,082,417	(923,922)		
JULY	6,929,530	4,254,596	(2,674,934)		
AUGUST	6,719,769	4,027,065	(2,692,704)		
SEPTEMBER	7,356,244	3,927,135	(3,429,109)		
OCTOBER	10,733,518	5,794,395	(4,939,123)		
NOVEMBER	12,740,299	10,327,608	(2,412,692)		
DECEMBER	15,259,149	15,806,495	547,346		
<b>Total</b>	<b>211,564,018</b>	<b>226,624,028</b>	<b>15,060,010</b>	<b>8%</b>	

**FISCAL YEAR 2016  
PHILADELPHIA GAS WORKS  
INTEREST CALCULATION**

<u>MONTH</u>	<u>NET COST OF FUEL</u> (1)	<u>TOTAL C FACTOR REVENUE BILLED</u> (1)	<u>OVER/ (UNDER) RECOVERY</u> 3 = ( 2 - 1 )	<u>INTEREST RATE</u> (2)	<u>TIME FACTOR</u> 5	<u>INTEREST EXPENSE</u> 6 = ( 3 * 4 * 5 )	<u>INTEREST NATURAL GAS REFUNDS</u> (3) 7	<u>TOTAL INTEREST</u> 8 = ( 6 + 7 )
	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)
SEPTEMBER 15	7,356,244	3,927,135	(3,429,109)	8%	18/12	(411,493)	-	(411,493)
OCTOBER	10,733,518	5,794,395	(4,939,123)	8%	17/12	(559,767)	543	(559,224)
NOVEMBER	12,740,299	10,327,608	(2,412,692)	8%	16/12	(257,354)	160	(257,194)
DECEMBER	15,259,149	15,806,495	547,346	8%	15/12	54,735	-	54,735
JANUARY 16	26,541,391	25,579,847	(961,544)	6%	14/12	(67,308)	84	(67,224)
FEBRUARY	21,760,564	29,800,729	8,040,165	6%	13/12	522,611	415	523,026
MARCH	13,895,507	21,997,447	8,101,940	6%	12/12	486,116	-	486,116
APRIL	9,593,675	14,088,452	4,494,777	6%	11/12	247,213	-	247,213
MAY	9,541,183	8,920,785	(620,398)	6%	10/12	(31,020)	-	(31,020)
JUNE	5,887,695	5,306,190	(581,505)	6%	9/12	(26,168)	-	(26,168)
JULY	6,215,584	3,677,884	(2,537,700)	6%	8/12	(101,508)	351	(101,157)
AUGUST	6,675,834	3,216,623	(3,459,211)	6%	7/12	(121,072)	-	(121,072)
<b>Total</b>	<b>146,200,643</b>	<b>148,443,591</b>	<b>2,242,948</b>			<b>(265,016)</b>	<b>1,553</b>	<b>(263,463)</b>
<b>INTEREST FROM 5(b1)</b>								<b>549,960</b>
<b>TOTAL INTEREST</b>								<b>286,497</b>

(1) See Schedule 6(b)  
 (2) See Schedule 5(a)  
 (3) See Schedule 5(c)

**CALENDAR YEAR 2015  
PHILADELPHIA GAS WORKS  
INTEREST ADJUSTMENT CALCULATION**

<u>MONTH</u>	NET COST		C FACTOR		INTEREST RATE	TIME FACTOR	INTEREST EXPENSE	INTEREST NATURAL GAS REFUNDS	TOTAL INTEREST
	OF FUEL (1)	% of GCR REVENUE BILLED (1)	OVER/ (UNDER) RECOVERY	3 = (2 - 1)					
	1	2	3 = (2 - 1)	4	5	6 = (3*4*5)	7	8 = (6+7)	
	(\$)	(\$)	(\$)	(\$)		(\$)	(\$)	(\$)	
JANUARY 2015	44,475,311	46,898,006	2,422,695	2%	14/12	56,530	-	56,530	
FEBRUARY	49,443,136	54,569,367	5,126,231	2%	13/12	111,068	-	111,068	
MARCH	31,185,138	44,760,816	13,575,678	2%	12/12	271,514	-	271,514	
APRIL	11,837,315	22,304,657	10,467,342	2%	11/12	191,901	-	191,901	
MAY	8,878,270	8,871,471	(6,799)	2%	10/12	(113)	-	(113)	
JUNE	6,006,339	5,082,417	(923,922)	2%	9/12	(13,859)	-	(13,859)	
JULY	6,929,530	4,254,596	(2,674,934)	2%	8/12	(35,666)	-	(35,666)	
AUGUST	6,719,769	4,027,065	(2,692,704)	2%	7/12	(31,415)	-	(31,415)	
	165,474,808	190,768,395	25,293,587			549,960	0	549,960	

(1) See Schedule 5(a)

**FISCAL YEAR 2016  
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 15	0	6%	18/12	0
OCTOBER	6,382	6%	17/12	543
NOVEMBER	2,005	6%	16/12	160
DECEMBER	0	6%	15/12	0
JANUARY 16	1,197	6%	14/12	84
FEBRUARY	6,382	6%	13/12	415
MARCH	0	6%	12/12	0
APRIL	0	6%	11/12	0
MAY	0	6%	10/12	0
JUNE	0	6%	9/12	0
JULY	8,769	6%	8/12	351
AUGUST	0	6%	7/12	0
<b>TOTAL</b>	<b>24,736</b>			<b>1,553</b>

(1) See Schedule 6(b)

**FISCAL YEAR 2016  
PHILADELPHIA GAS WORKS  
DEMAND AND COMMODITY INTEREST CALCULATION**

MONTH	OVER/(UNDER) RECOVERY (1)	DEMAND CHARGE OVER/(UNDER) RECOVERY (2)	COMMODITY CHARGE OVER/(UNDER) RECOVERY (3)	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 REFUNDS (3) 9	TOTAL INTEREST 10=(8+9)
	(\$)	(\$)	(\$)			(\$)	(\$)	(\$)	(\$)	(\$)
SEPTEMBER 15	(3,429,109)	(3,875,524)	446,415	8%	18/12	(465,063)	53,570	(411,493)	0	(411,493)
OCTOBER	(4,939,123)	(3,112,309)	(1,826,814)	8%	17/12	(352,728)	(207,039)	(559,767)	543	(559,224)
NOVEMBER	(2,412,692)	(1,800,780)	(611,911)	8%	16/12	(192,083)	(65,271)	(257,354)	160	(257,194)
DECEMBER	547,346	300,893	246,454	8%	15/12	30,089	24,645	54,735	0	54,735
JANUARY 16	(961,544)	3,999,064	(4,960,608)	6%	14/12	279,934	(347,243)	(67,308)	84	(67,224)
FEBRUARY	8,040,165	5,913,391	2,126,774	6%	13/12	384,370	138,240	522,611	415	523,026
MARCH	8,101,940	2,388,812	5,713,128	6%	12/12	143,329	342,788	486,116	0	486,116
APRIL	4,494,777	(835,403)	5,330,180	6%	11/12	(45,947)	293,160	247,213	0	247,213
MAY	(620,398)	(2,051,281)	1,430,883	6%	10/12	(102,564)	71,544	(31,020)	0	(31,020)
JUNE	(581,505)	(2,941,164)	2,359,659	6%	9/12	(132,352)	106,185	(26,168)	0	(26,168)
JULY	(2,537,700)	(3,437,793)	900,093	6%	8/12	(137,512)	36,004	(101,508)	351	(101,157)
AUGUST	(3,459,211)	(3,650,472)	191,261	6%	7/12	(127,767)	6,694	(121,072)	0	(121,072)
<b>TOTAL FY 2016</b>	<b>2,242,948</b>	<b>(9,102,567)</b>	<b>11,345,515</b>			<b>(718,293)</b>	<b>453,278</b>	<b>(265,016)</b>	<b>1,553</b>	<b>(263,463)</b>
JANUARY 2015	2,422,695	7,067,708	(4,645,012)	2%	14/12	164,913	(108,384)	56,530	0	56,530
FEBRUARY	5,126,231	8,723,666	(3,597,435)	2%	13/12	189,013	(77,944)	111,068	0	111,068
MARCH	13,575,678	5,958,512	7,617,165	2%	12/12	119,170	152,343	271,514	0	271,514
APRIL	10,467,342	144,954	10,322,388	2%	11/12	2,658	189,244	191,901	0	191,901
MAY	(6,799)	(3,220,471)	3,213,672	2%	10/12	(53,675)	53,561	(113)	0	(113)
JUNE	(923,922)	(3,764,138)	2,840,216	2%	9/12	(56,462)	42,603	(13,859)	0	(13,859)
JULY	(2,674,934)	(3,771,887)	1,096,953	2%	8/12	(50,292)	14,626	(35,666)	0	(35,666)
AUGUST	(2,692,704)	(4,142,333)	1,449,629	2%	7/12	(48,327)	16,912	(31,415)	0	(31,415)
<b>Grand Total</b>	<b>25,293,587</b>	<b>6,996,011</b>	<b>18,297,576</b>			<b>266,998</b>	<b>282,962</b>	<b>549,960</b>	<b>0</b>	<b>549,960</b>
	27,536,534	(2,106,557)	29,643,091			(451,295)	736,240	284,944	1,553	286,497

(1) See Schedule 5(b)  
(2) See Schedule 6(e)  
(3) See Schedule 5(c)



**ACTUAL DATA - FISCAL YEAR 2016  
PHILADELPHIA GAS WORKS**

Rate	7/1/2015		10/1/2015		12/1/2015		1/1/2016		3/1/2016		4/1/2016		6/1/2016		7/1/2016							
	Split Month	Actual	Split Month	Actual	Split Month	Actual	Split Month	Actual	Split Month	Actual	Split Month	Actual	Split Month	Actual	Split Month	Actual						
SSC in Effect	\$	4,2385	\$	4,2506	\$	4,2626	\$	4,0715	\$	3,8804	\$	3,7485	\$	3,7518	\$	3,7551						
GAC in Effect	\$	(0.0657)	\$	(0.1276)	\$	(0.1894)	\$	(0.1878)	\$	(0.1861)	\$	(0.2516)	\$	(0.3935)	\$	(0.5353)						
IRC in Effect	\$	(0.0007)	\$	(0.0008)	\$	(0.0008)	\$	(0.0009)	\$	(0.0009)	\$	(0.0023)	\$	(0.0021)	\$	(0.0019)						
Total Effective	\$	4,1721	\$	4,1223	\$	4,0724	\$	3,8829	\$	3,6934	\$	3,4946	\$	3,3563	\$	3,2179						
Percentage of Total		101.6%		103.1%		104.7%		104.9%		105.1%		107.3%		111.8%		116.7%						
C-Factor		-1.6%		-3.1%		-4.7%		-4.8%		-5.0%		-7.2%		-11.7%		-16.6%						
E-Factor		0.0%		0.0%		0.0%		0.0%		0.0%		-0.1%		-0.1%		-0.1%						
IRC-Factor		100%		100%		100%		100%		100%		100%		100%		100%						
C-Factor	\$	0.8504	\$	1.0545	\$	1.2586	\$	1.3244	\$	1.3901	\$	1.2422	\$	1.1133	\$	1.1324						
Demand Charge in Effect	\$	3,3881	\$	3,1961	\$	3,0040	\$	2,7472	\$	2,4903	\$	2,6543	\$	2,6385	\$	2,6227						
Commodity in Effect	\$	4,2385	\$	4,2506	\$	4,2626	\$	4,0715	\$	3,8804	\$	3,7485	\$	3,7518	\$	3,7551						
Percentage of Total		20.1%		24.8%		29.5%		32.5%		35.8%		29.2%		29.7%		30.2%						
Demand Charge in Effect		79.9%		75.2%		70.5%		67.5%		64.2%		70.8%		70.3%		69.8%						
Commodity in Effect		100%		100%		100%		100%		100%		100%		100%		100%						
C-Factor	Over/(Under)	\$	8,413,382	Over/(Under)	\$	62,649	Over/(Under)	\$	226,479	Over/(Under)	\$	8,577,213	Over/(Under)	\$	8,577,213	Final E-Factor	\$	8,577,213				
Fiscal Year 2015 E-Factor																						
Actual																						
Fiscal Year 2015-2016																						
GCR Firm Sales	Actual	894,850	Actual	1,338,478	Actual	2,405,950	Actual	3,849,724	Actual	6,409,695	Actual	7,802,937	Actual	5,730,335	Actual	1,373,128	Actual	940,582	Actual	37,676,387		
Migration Rider Sales		19,504		22,521		30,764		93,084		147,147		148,353		118,191		32,441		25,652		790,808		
GCR Revenue Billed	\$	3,730,053	\$	5,461,240	\$	9,792,985	\$	14,993,284	\$	24,255,062	\$	28,266,729	\$	20,633,034	\$	4,666,423	\$	3,073,877	\$	2,756,457	\$	138,912,189
Migration Rider Revenue Billed	\$	(2,811)	\$	(4,265)	\$	(5,819)	\$	(17,380)	\$	(27,386)	\$	(27,597)	\$	(27,378)	\$	(11,785)	\$	(13,640)	\$	(13,912)	\$	(184,506)
Load Balancing Billed	\$	80,989	\$	78,091	\$	77,245	\$	84,959	\$	96,731	\$	95,271	\$	93,915	\$	89,738	\$	90,851	\$	-	\$	967,729
LNG Sales Demand Charge Credit	\$	-	\$	-	\$	-	\$	-	\$	-	\$	7,561	\$	4,902	\$	-	\$	-	\$	-	\$	12,463
Total Revenue Billed	\$	3,808,230	\$	5,535,066	\$	9,864,410	\$	15,060,863	\$	24,324,407	\$	28,341,963	\$	20,704,472	\$	4,742,975	\$	3,151,087	\$	2,742,545	\$	139,707,874
Natural Gas Refunds	\$	-	\$	6,382	\$	2,005	\$	-	\$	1,197	\$	6,382	\$	-	\$	-	\$	8,769	\$	-	\$	24,736
Demand Charges	\$	4,900,132	\$	4,875,008	\$	4,906,154	\$	4,882,448	\$	5,007,784	\$	5,036,303	\$	4,827,940	\$	5,012,175	\$	4,718,222	\$	4,593,759	\$	57,921,921
Supply Charges	\$	2,456,112	\$	5,858,310	\$	7,834,745	\$	10,376,701	\$	21,533,607	\$	16,724,281	\$	9,067,567	\$	4,581,500	\$	4,822,961	\$	1,328,020	\$	88,278,722
Net Cost of Fuel	\$	7,356,244	\$	10,733,518	\$	12,740,299	\$	15,259,149	\$	26,544,391	\$	21,760,564	\$	13,895,507	\$	9,593,675	\$	9,541,133	\$	5,887,695	\$	146,200,643

**FISCAL YEAR 2016  
PHILADELPHIA GAS WORKS  
C-FACTOR RECONCILIATION**

MONTH	NET COST OF FUEL 1	TOTAL GCR REVENUE BILLED 2	C FACTOR % of GCR 3	C FACTOR REVENUE BILLED 4 = (2 * 3)	LOAD BALANCING REVENUE 5	LNG SALES GCR BILLED REVENUE 6	TOTAL C FACTOR REVENUE BILLED 7 = (4 + 5 + 6)	NATURAL GAS REFUNDS 8	OVER/ (UNDER) RECOVERY 9 = (7 + 8 - 1)	CUMULATIVE OVER/(UNDER) 10
	(\$)	(\$)		(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)
SEPTEMBER 2015	7,356,244	3,730,053	103.1%	3,846,146	80,989	0	3,927,135	0	(3,429,109)	(3,429,109)
OCTOBER	10,733,518	5,461,240	104.7%	5,716,305	78,091	0	5,794,395	6,382	(4,932,740)	(8,361,849)
NOVEMBER	12,740,299	9,792,985	104.7%	10,250,362	77,245	0	10,327,608	2,005	(2,410,687)	(10,772,536)
DECEMBER	15,259,149	14,993,284	104.9%	15,721,537	84,959	0	15,806,495	0	547,346	(10,225,189)
JANUARY 2016	26,541,391	24,255,062	105.1%	25,483,116	96,731	0	25,579,847	1,197	(960,347)	(11,185,536)
FEBRUARY	21,760,564	28,266,729	105.1%	29,697,898	95,271	7,561	29,800,729	6,382	8,046,548	(3,138,989)
MARCH	13,895,507	20,633,034	106.1%	21,898,630	93,915	4,902	21,997,447	0	8,101,940	4,962,951
APRIL	9,593,675	13,050,528	107.3%	13,998,714	89,738	0	14,088,452	0	4,494,777	9,457,729
MAY	9,541,183	8,232,518	107.3%	8,830,651	90,134	0	8,920,785	0	(620,398)	8,837,330
JUNE	5,887,695	4,666,423	111.8%	5,216,383	89,807	0	5,306,190	0	(581,505)	8,255,825
JULY	6,215,584	3,073,877	116.7%	3,587,033	90,851	0	3,677,884	8,769	(2,528,931)	5,726,894
AUGUST	6,675,834	2,756,457	116.7%	3,216,623	0	0	3,216,623	0	(3,459,211)	2,267,684
Totals	146,200,643	138,912,189		147,463,399	967,729	12,463	148,443,591	24,736	2,267,684	

**FISCAL YEAR 2016  
PHILADELPHIA GAS WORKS  
E-FACTOR RECONCILIATION**

PRIOR YEAR E-FACTOR MONTH	GCR SALES		MIGRATION RIDER SALES		E-FACTOR VOLUMES		TOTAL GCR REVENUE BILLED		E-FACTOR % of GCR		E-FACTOR REVENUE BILLED		MIGRATION RIDER REVENUES		TOTAL E-FACTOR REVENUE		OVER/(UNDER) PROJECTED RECOVERY			
	1	2	3=(1+2)	4	5	6=(4*5)	7	8=(6+7)	9	10	11	12	13	14	15	16	17	18		
	(MCF)	(MCF)	(MCF)	(\$)		(\$)	(\$)	(\$)		(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)		
SEPTEMBER 2015	Actual	894,850	19,504	3,730,053	-3.1%	(115,415)	(2,811)	(2,811)												
OCTOBER	Actual	1,338,478	22,521	5,461,240	-4.7%	(253,992)	(4,265)	(4,265)												
NOVEMBER	Actual	2,405,950	30,764	9,792,985	-4.7%	(455,454)	(5,819)	(5,819)												
DECEMBER	Actual	3,849,724	93,084	14,993,284	-4.8%	(724,971)	(17,380)	(17,380)												
JANUARY 2016	Actual	6,409,695	147,147	24,255,062	-5.0%	(1,222,144)	(27,386)	(27,386)												
FEBRUARY	Actual	7,802,937	148,353	28,266,729	-5.0%	(1,424,281)	(27,597)	(27,597)												
MARCH	Actual	5,730,335	118,191	20,633,034	-6.1%	(1,256,411)	(19,278)	(19,278)												
APRIL	Actual	3,735,180	78,495	13,050,528	-7.2%	(939,596)	(11,785)	(11,785)												
MAY	Actual	2,354,969	47,409	8,232,518	-7.2%	(592,715)	(13,255)	(13,255)												
JUNE	Actual	1,373,128	32,441	4,666,423	-11.7%	(547,040)	(13,640)	(13,640)												
JULY	Actual	940,582	25,652	3,073,877	-16.6%	(511,342)	(13,912)	(13,912)												
AUGUST	Actual	840,559	27,248	2,756,457	-16.6%	(458,539)	(184,506)	(184,506)												
TOTAL		37,676,387	790,808	138,912,189		(8,501,899)														



**FISCAL YEAR 2016  
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 2015</b>	3,730,053	-0.02%	(679)
<b>OCTOBER</b>	5,461,240	-0.02%	(1,073)
<b>NOVEMBER</b>	9,792,985	-0.02%	(1,924)
<b>DECEMBER</b>	14,993,284	-0.02%	(3,282)
<b>JANUARY 2016</b>	24,255,062	-0.02%	(5,910)
<b>FEBRUARY</b>	28,266,729	-0.02%	(6,888)
<b>MARCH</b>	20,633,034	-0.04%	(9,186)
<b>APRIL</b>	13,050,528	-0.07%	(8,589)
<b>MAY</b>	8,232,518	-0.07%	(5,418)
<b>JUNE</b>	4,666,423	-0.06%	(2,920)
<b>JULY</b>	3,073,877	-0.06%	(1,815)
<b><u>AUGUST</u></b>	<u>2,756,457</u>	-0.06%	<u>(1,628)</u>
<b>TOTALS</b>	138,912,189		(49,312)

**FISCAL YEAR 2016  
PHILADELPHIA GAS WORKS  
RECONCILIATION OF DEMAND CHARGES**

MONTH	DEMAND CHARGES		MONTHLY DEMAND OVER/(UNDER) 3 = (2 - 1)	CUMULATIVE DEMAND OVER/(UNDER) 4
	LESS LOAD BALANCING CHARGE REVENUE 1	DEMAND REVENUE BILLED 2		
	\$	\$	\$	\$
SEPTEMBER 2015	4,819,143	943,619	(3,875,524)	(3,875,524)
OCTOBER	4,796,917	1,684,608	(3,112,309)	(6,987,833)
NOVEMBER	4,828,909	3,028,129	(1,800,780)	(8,788,613)
DECEMBER	4,797,489	5,098,382	300,893	(8,487,721)
JANUARY 2016	4,911,053	8,910,117	3,999,064	(4,488,657)
FEBRUARY	4,933,471	10,846,863	5,913,391	1,424,734
MARCH	4,729,123	7,117,936	2,388,812	3,813,547
APRIL	4,922,437	4,087,034	(835,403)	2,978,144
MAY	4,628,088	2,576,807	(2,051,281)	926,863
JUNE	4,469,868	1,528,703	(2,941,164)	(2,014,302)
JULY	4,502,908	1,065,115	(3,437,793)	(5,452,095)
<u>AUGUST</u>	<u>4,602,321</u>	<u>951,849</u>	<u>(3,650,472)</u>	<u>(9,102,567)</u>
<b>TOTALS</b>	<b>56,941,729</b>	<b>47,839,162</b>	<b>(9,102,567)</b>	

ACTUAL / ESTIMATED DATA - FISCAL YEAR 2017  
PHILADELPHIA GAS WORKS

Rate	Split Month					
	7/1/2016	9/1/2016	10/1/2016	11/1/2016	12/1/2016	1/1/2017
SSC in Effect	\$ 3.7551	\$ 4.0107	\$ 4.2662	\$ 4.2367	\$ 4.2071	\$ 4.2071
GAC in Effect	\$ (0.5353)	\$ (0.2986)	\$ (0.0619)	\$ (0.0547)	\$ (0.0474)	\$ (0.0474)
IRC in Effect	\$ (0.0019)	\$ (0.0018)	\$ (0.0017)	\$ (0.0019)	\$ (0.0020)	\$ (0.0020)
Total Effective	\$ 3.2179	\$ 3.7103	\$ 4.2026	\$ 4.1802	\$ 4.1577	\$ 4.1577

Percentage of Total	
C-Factor	116.7% 108.1% 101.5% 101.4% 101.2%
E-Factor	-16.6% -8.0% -1.5% -1.3% -1.1%
IRC-Factor	-0.1% 0.0% 0.0% 0.0% 0.0%
Total	100% 100% 100% 100% 100%

C-Factor	\$ 1.1324	\$ 1.1749	\$ 1.2173	\$ 1.2885	\$ 1.3596
Demand Charge in Effect	\$ 2.6227	\$ 2.8358	\$ 3.0489	\$ 2.9482	\$ 2.8475
Commodity in Effect	\$ 3.7551	\$ 4.0107	\$ 4.2662	\$ 4.2367	\$ 4.2071

Percentage of Total	
Demand Charge in Effect	30.2% 29.3% 28.5% 30.4% 32.3%
Commodity in Effect	69.8% 70.7% 71.5% 69.6% 67.7%
Total	100% 100% 100% 100% 100%

Fiscal Year 2016 E-Factor	C-Factor		E-Factor		Interest		FY 2016	
	Over/(Under)	Over/(Under)	Over/(Under)	Over/(Under)	Final E-Factor	Final E-Factor	Over/(Under)	Over/(Under)
	\$ 2,267,684	\$ (109,192)	\$ 286,497	\$ 2,444,989				

Actual	Sep-2016		Oct-2016	
	Actual	Actual	Actual	Actual
Fiscal Year 2016-2017	925,157	1,202,685	-	-
GCR Firm Sales	1,476	-	-	-
Migration Rider Sales	-	-	-	-
GCR Revenue Billed	\$ 3,457,095	\$ 5,070,159	\$ 5,070,197	\$ 5,070,197
Migration Rider Revenue Billed	\$ (614)	\$ 38	\$ -	\$ -
Load Balancing Billed	\$ 91,214	\$ -	\$ -	\$ -
LNG Sales Demand Charge Credit	\$ -	\$ -	\$ -	\$ -
Total Revenue Billed	\$ 3,547,695	\$ 5,070,197	\$ 5,070,197	\$ 5,070,197
Natural Gas Refunds	\$ -	\$ -	\$ -	\$ -
Demand Charges	\$ 4,732,272	\$ 4,727,256	\$ 4,727,256	\$ 4,727,256
Supply Charges	\$ 1,571,764	\$ 3,028,219	\$ 3,028,219	\$ 3,028,219
Net Cost of Fuel	\$ 6,304,036	\$ 7,755,475	\$ 7,755,475	\$ 7,755,475

**FISCAL YEAR 2017  
PHILADELPHIA GAS WORKS  
C-FACTOR RECONCILIATION**

MONTH	NET COST OF FUEL 1 (\$)	TOTAL GCR REVENUE BILLED 2 (\$)	C FACTOR % of GCR 3	C FACTOR REVENUE BILLED 4 = (2 * 3) (\$)	LOAD BALANCING REVENUE 5 (\$)	LNG SALES GCR BILLED REVENUE 6 (\$)	TOTAL C FACTOR REVENUE BILLED 7 = (4 + 5 + 6) (\$)	NATURAL GAS REFUNDS 8 (\$)	OVER/ (UNDER) RECOVERY 9 = (7 + 8 - 1) (\$)	CUMULATIVE OVER/(UNDER) 10 (\$)
SEPTEMBER 2016	6,304,036	3,457,095	108.1%	3,736,999	91,214	0	3,828,212	0	(2,475,824)	(2,475,824)
OCTOBER	7,755,475	5,070,159	101.5%	5,146,888	0	0	5,146,888	0	(2,608,587)	(5,084,411)



**FISCAL YEAR 2017  
PHILADELPHIA GAS WORKS  
E-FACTOR RECONCILIATION**

MONTH	PRIOR YEAR E-FACTOR	MIGRATION RIDER SALES		MIGRATION RIDER REVENUES		E-FACTOR GCR REVENUE BILLED		MIGRATION RIDER REVENUES		TOTAL E-FACTOR REVENUE		TOTAL E-FACTOR REVENUE		OVER/(UNDER) PROJECTED RECOVERY	
		1	2	3=(1+2)	4	5	6=(4*5)	7	8=(6+7)	9	10	11	12	13	14
		(MCF)	(MCF)	(MCF)	(\$)	% of GCR	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)
SEPTEMBER 2016	Actual	925,157	1,476	926,633	\$ 3,457,095	-8.0%	(278,226)	(614)	\$ (278,840)	\$ (278,840)	\$ 2,166,149				
OCTOBER	Actual	1,202,685	-	1,202,685	\$ 5,070,159	-1.5%	(74,678)	38	\$ (74,640)	\$ (74,640)	\$ 2,091,509				
NOVEMBER	Estimated	2,987,104	-	2,987,104	\$ 12,553,603	-1.5%	(184,902)	-	\$ (184,902)	\$ (184,902)	\$ 1,906,607				
<hr/>															
DECEMBER 2017	Estimated	5,765,152	-	5,765,152	\$ 24,099,198		(279,252)	-	\$ (279,252)	\$ (279,252)	\$ (1,906,607)				
JANUARY	Estimated	9,363,986	-	9,363,986	\$ 38,932,646		(453,572)	-	\$ (453,572)	\$ (453,572)	\$ (1,906,607)				
FEBRUARY	Estimated	8,284,967	-	8,284,967	\$ 34,446,409		(401,307)	-	\$ (401,307)	\$ (401,307)	\$ (1,906,607)				
MARCH	Estimated	6,422,581	-	6,422,581	\$ 26,703,165		(311,097)	-	\$ (311,097)	\$ (311,097)	\$ (1,906,607)				
APRIL	Estimated	4,412,365	-	4,412,365	\$ 18,345,290		(213,726)	-	\$ (213,726)	\$ (213,726)	\$ (1,906,607)				
MAY	Estimated	2,079,009	-	2,079,009	\$ 8,643,896		(100,703)	-	\$ (100,703)	\$ (100,703)	\$ (1,906,607)				
JUNE	Estimated	1,121,678	-	1,121,678	\$ 4,663,600		(54,332)	-	\$ (54,332)	\$ (54,332)	\$ (1,906,607)				
JULY	Estimated	1,014,539	-	1,014,539	\$ 4,218,147		(49,142)	-	\$ (49,142)	\$ (49,142)	\$ (1,906,607)				
AUGUST	Estimated	897,584	-	897,584	\$ 3,731,885		(43,477)	-	\$ (43,477)	\$ (43,477)	\$ (1,906,607)				
TOTAL		39,361,861	-	39,361,861	\$ 163,784,237		(1,906,607)	-	\$ (1,906,607)	\$ (1,906,607)	\$ (1,906,607)				

DECEMBER 1, 2016 E-FACTOR -0.0484

**FISCAL YEAR 2017  
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 2016</b>	3,457,095	-0.05%	(1,677)
<b>OCTOBER</b>	5,070,159	-0.04%	(2,051)

**FISCAL YEAR 2017  
PHILADELPHIA GAS WORKS  
RECONCILIATION OF DEMAND CHARGES**

MONTH	DEMAND CHARGES LESS LOAD BALANCING CHARGE REVENUE 1	DEMAND REVENUE BILLED 2	MONTHLY DEMAND OVER/(UNDER) 3 = (2 - 1)	CUMULATIVE DEMAND OVER/(UNDER) 4
	\$	\$	\$	\$
SEPTEMBER 2016	4,641,058	1,086,921	(3,554,138)	(3,554,138)
OCTOBER	4,727,256	1,464,028	(3,263,228)	(6,817,365)

**CALCULATION OF RECOVERED CHARGES**  
**1st Qtr Filing**  
**December 1, 2016**

	<u>50% December</u>	<u>11.5 Months</u>	<u>Total</u>
			(MCF)                      (\$)
S - Firm Sales (Mcf)	2,882,576	42,075,856	44,958,432
C-Factor	<u>\$ 4.2662</u>	<u>\$ 4.2071</u>	
Projected Recovery	12,297,645	177,017,335	\$ 189,314,979
S - Firm Sales (Mcf)	2,882,576	42,075,856	44,958,432
IRC-Factor	<u>\$ (0.0017)</u>	<u>\$ (0.0020)</u>	
Projected Recovery	(4,900)	(84,152)	\$ (89,052)
E-Factor Volumes (Mcf)	2,882,576	36,479,285	39,361,861
E-Factor	<u>\$ (0.0619)</u>	<u>\$ (0.0474)</u>	
Projected Recovery	(178,431)	(1,729,118)	\$ (1,907,550)
GCR (\$ / Mcf)	\$ 4.2026	\$ 4.1577	
<hr/>			
GCR Projected Recovery			\$ 187,318,378
Load Balancing Revenue			\$ 1,149,315
LNG Sales Demand Revenue			<u>\$ 1,100,657</u>
<b>TOTAL PROJECTED RECOVERY</b>			<b>\$ 189,568,350</b>

**Change In Rates  
1st Quarter Filing  
Rates Effective December 1, 2016**

**Current Rates**

	<u>09/01/16</u> <u>Distribution Charge</u> (1)	<u>09/01/16</u> <u>GCR</u> (2)	<u>09/01/16</u> <u>MFC</u> (3)	<u>09/01/16</u> <u>GPC</u> (4)	<u>09/01/16</u> <u>Commodity</u> <u>Rate</u> (5)=(1)+(2)+(3)+(4)
Residential GS	\$7.9246	\$4.2026	\$0.1967	\$0.0400	\$12.3639
Commercial GS	\$6.5478	\$4.2026	\$0.0118	\$0.0400	\$10.8022
Industrial GS	\$6.5528	\$4.2026	\$0.0126	\$0.0400	\$10.8080
Phila.Housing Authority (PHA)	\$6.0595	\$4.2026	\$0.0000	\$0.0400	\$10.3021
Municipal (MS)	\$5.2645	\$4.2026	\$0.0000	\$0.0400	\$9.5071
Phila.Housing Authority (GS)	\$6.8620	\$4.2026	\$0.0000	\$0.0400	\$11.1046

**December 1, 2016 - Distribution Charge**

	<u>Delivery</u> <u>Delivery</u> <u>Charge</u> (6)	<u>Surcharges</u>				<u>Total</u> <u>Total</u> <u>Surcharges</u> (11)=(7)+(8)+(9)+(10)	<u>Distribution</u> <u>Charge / Mcf</u> (12)=(11)+(6)
		<u>Other Post</u> <u>Employment</u> <u>Benefit</u> (7)	<u>Efficiency</u> <u>Cost</u> <u>Recovery</u> (8)	<u>Universal</u> <u>Service &amp;</u> <u>Ener. Cons.</u> (9)	<u>Restructuring &amp;</u> <u>Consumer</u> <u>Education</u> (10)		
Residential GS	\$6.0067	\$0.3724	\$0.0247	\$1.3045	\$0.0100	\$1.7116	\$7.7183
Commercial GS	\$4.5984	\$0.3724	\$0.0610	\$1.3045	\$0.0100	\$1.7479	\$6.3463
Industrial GS	\$4.5332	\$0.3724	\$0.0384	\$1.3045	\$0.0100	\$1.7253	\$6.2585
Phila.Housing Authority (PHA)	\$4.1101	\$0.3724	\$0.0610	\$1.3045	\$0.0100	\$1.7479	\$5.8580
Municipal (MS)	\$3.3661	\$0.3724	\$0.0000	\$1.3045	\$0.0100	\$1.6869	\$5.0530
Phila.Housing Authority (GS)	\$4.9441	\$0.3724	\$0.0247	\$1.3045	\$0.0100	\$1.7116	\$6.6557

**Proposed Rates**

	<u>12/01/16</u> <u>Distribution Charge</u> (12)	<u>12/01/16</u> <u>GCR</u> (13)	<u>12/01/16</u> <u>MFC</u> (14)	<u>12/01/16</u> <u>GPC</u> (15)	<u>12/01/16</u> <u>Commodity</u> <u>Rate</u> (16)=(12)+(13)+(14)+(15)	<u>Difference</u> (17)=(16)-(5)
Residential GS	\$7.7183	\$4.1577	\$0.1946	\$0.0400	\$12.1106	(\$0.2533)
Commercial GS	\$6.3463	\$4.1577	\$0.0116	\$0.0400	\$10.5556	(\$0.2466)
Industrial GS	\$6.2585	\$4.1577	\$0.0125	\$0.0400	\$10.4687	(\$0.3393)
Phila.Housing Authority (PHA)	\$5.8580	\$4.1577	\$0.0000	\$0.0400	\$10.0557	(\$0.2464)
Municipal (MS)	\$5.0530	\$4.1577	\$0.0000	\$0.0400	\$9.2507	(\$0.2564)
Phila.Housing Authority (GS)	\$6.6557	\$4.1577	\$0.0000	\$0.0400	\$10.8534	(\$0.2512)

**PHILADELPHIA GAS WORKS**  
**December 1, 2016 - 1ST QTR FILING**  
**UNIVERSAL SERVICE & ENERGY CONSERVATION SURCHARGE**

	<b>Expenses in the Surcharge</b>
Enhanced Low Income Retrofit Program (ELIRP)	\$ 7,497,738
Customer Responsibility Program (CRP)	\$ 50,363,418
Senior Citizen Discount *	\$ 3,375,219
<a href="#">November 2016 Under Collection</a>	<u>\$ 3,505,750</u>
Total \$ to be Recovered	\$ 64,742,125
 Total Applicable Volumes	 Mcf 49,628,076
 Universal Service & Energy Conservation Surcharge	 <b><u>\$ 1.3045</u></b>

\* 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 \$3,750,167.

**STATEMENT OF RECONCILIATION  
UNIVERSAL SERVICES & ENERGY CONSERVATION SURCHARGE  
SEPTEMBER 2016 THROUGH NOVEMBER 2016**

Month FY 16 Reconciliation	USC Applicable Volumes	USC Charge	USC Revenue Billed	USC Expenses	Monthly Over/(Under) Recovery	Cumulative Over/(Under) Recovery
September 2016	Actual 1,071,555	\$ 1,5104	\$ 1,618,477	\$ (2,641,360)	\$ 4,259,836	(\$9,049,197)
October	Actual 1,401,686	\$ 1,5160	\$ 2,124,956	\$ (1,818,406)	\$ 3,943,362	(\$5,105,835)
November	Estimated 3,384,102	\$ 1,5160	\$ 5,130,299	\$ 3,530,214	\$ 1,600,085	(\$3,505,750)
<b>USC Expenses</b>						
ELIRP Expense	\$ 4,070	\$ 3,253	\$ 645,485			
ELIRP Labor	\$ 9,245	\$ 6,710	\$ 9,280			
CRP Discount	\$ (1,982,820)	\$ (1,220,808)	\$ 1,793,266			
CRP Forgiveness	\$ (764,938)	\$ (734,013)	\$ 813,800			
Senior Citizen Discount	\$ 93,084	\$ 126,452	\$ 268,383			
Bad Debt Expense Offset*	\$ -	\$ -	\$ -			
<b>Total</b>	\$ (2,641,360)	\$ (1,818,406)	\$ 3,530,214			

<b>CRP Participation</b>	
Rate Case Participation Rate	84,000
Actual Participation Rate*	50,045
CRP Under(Over) Participation	33,955
<b>Average Shortfall Per CRP Participant</b>	
CRP Discount	\$ (1,982,820) \$ (1,220,808)
Actual Participation Rate	50,045
Average Shortfall per CRP Participant	\$ (40) \$ (25)
Shortfall*	\$ - \$ -
Bad Debt Expense Offset*	7.1% \$ - \$ -

\*Bad Debt Expense Offset Applicable When Actual CRP Participation Exceeds 84,000



**STATEMENT OF RECONCILIATION  
UNIVERSAL SERVICES & ENERGY CONSERVATION SURCHARGE  
SEPTEMBER 2015 THROUGH AUGUST 2016**

Month	USC Applicable Volumes	USC Charge	USC Revenue Billed	USC Expenses	Monthly Over/(Under) Recovery	Cumulative Over/(Under) Recovery							
September 2015	1,035,315	\$ 1,4187	\$ 1,468,750	\$ (1,940,513)	\$ 3,409,263	\$ (5,886,644)							
October	1,530,956	\$ 1,3471	\$ 2,062,351	\$ (179,146)	\$ 2,241,497	\$ (3,645,147)							
November	2,667,452	\$ 1,3471	\$ 3,593,325	\$ 3,725,297	\$ (131,973)	\$ (3,777,119)							
December	4,261,276	\$ 1,2070	\$ 5,143,360	\$ 7,360,541	\$ (2,217,181)	\$ (5,994,301)							
January 2016	7,019,199	\$ 1,0669	\$ 7,488,784	\$ 12,271,685	\$ (4,782,901)	\$ (10,777,202)							
February	8,466,423	\$ 1,0669	\$ 9,032,826	\$ 12,852,293	\$ (3,819,467)	\$ (14,596,669)							
March	6,231,280	\$ 1,2174	\$ 7,985,960	\$ 10,501,395	\$ (2,915,434)	\$ (17,512,103)							
April	4,094,452	\$ 1,3679	\$ 5,600,801	\$ 7,089,999	\$ (1,489,197)	\$ (19,001,301)							
May	2,599,218	\$ 1,3679	\$ 3,555,470	\$ 2,824,027	\$ 731,442	\$ (18,269,858)							
June	1,554,784	\$ 1,4364	\$ 2,233,214	\$ 512,417	\$ 1,720,797	\$ (16,549,061)							
July	1,090,333	\$ 1,5048	\$ 1,640,734	\$ (416,323)	\$ 2,057,057	\$ (14,492,005)							
August	997,202	\$ 1,5048	\$ 1,500,589	\$ 317,617	\$ 1,182,972	\$ (13,309,033)							
<b>USC Expenses</b>	<b>Sep-15</b>	<b>Oct-15</b>	<b>Nov-15</b>	<b>Dec-15</b>	<b>Jan-16</b>	<b>Feb-16</b>	<b>Mar-16</b>	<b>Apr-16</b>	<b>May-16</b>	<b>Jun-16</b>	<b>Jul-16</b>	<b>Aug-16</b>	<b>Total</b>
ELIRP Expense	\$ 2,532	\$ 553,720	\$ 622,738	\$ 602,084	\$ 627,513	\$ 614,085	\$ 577,807	\$ 773,096	\$ 616,300	\$ 639,508	\$ 735,507	\$ 1,574,432	\$ 7,939,322
ELIRP Labor	\$ 10,623	\$ 12,196	\$ 8,913	\$ 8,759	\$ 11,284	\$ 9,149	\$ 9,212	\$ 12,251	\$ 9,325	\$ 10,614	\$ 14,025	\$ 13,193	\$ 129,544
CRP Discount	\$ (2,580,366)	\$ (1,452,007)	\$ 2,250,502	\$ 5,686,259	\$ 10,196,817	\$ 10,828,112	\$ 8,489,760	\$ 4,982,892	\$ 1,114,289	\$ (1,096,436)	\$ (2,026,795)	\$ (2,160,228)	\$ 34,232,797
CRP Forgiveness	\$ 533,280	\$ 561,291	\$ 542,000	\$ 616,950	\$ 781,302	\$ 718,458	\$ 867,149	\$ 934,553	\$ 855,603	\$ 825,567	\$ 768,032	\$ 801,053	\$ 8,805,239
Senior Citizen Discount	\$ 93,418	\$ 145,654	\$ 301,144	\$ 446,490	\$ 654,769	\$ 682,489	\$ 557,467	\$ 387,207	\$ 228,510	\$ 133,164	\$ 92,908	\$ 89,167	\$ 3,812,387
Bad Debt Expense Offset*	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total</b>	<b>\$ (1,940,513)</b>	<b>\$ (179,146)</b>	<b>\$ 3,725,297</b>	<b>\$ 7,360,541</b>	<b>\$ 12,271,685</b>	<b>\$ 12,852,293</b>	<b>\$ 10,501,395</b>	<b>\$ 7,089,999</b>	<b>\$ 2,824,027</b>	<b>\$ 512,417</b>	<b>\$ (416,323)</b>	<b>\$ 317,617</b>	<b>\$ 54,919,289</b>

CRP Participation	Rate Case Participation Rate	Actual Participation Rate*	CRP Under(Over) Participation
84,000	84,000	58,462	25,538
58,958	58,609	58,282	25,718
25,042	25,391	25,538	28,565
			27,994
			26,888
			28,431
			33,086
			32,929
<b>Average Shortfall Per CRP Participant</b>			
CRP Discount	\$ (2,580,366)	\$ (1,452,007)	\$ 2,250,502
Actual Participation Rate	58,958	58,609	58,462
Average Shortfall per CRP Participant	\$ (44)	\$ (25)	\$ 38
Shortfall*	\$ -	\$ -	\$ -
Bad Debt Expense Offset*	\$ -	\$ -	\$ -
	7.1%		

\*Bad Debt Expense Offset Applicable When Actual CRP Participation Exceeds 84,000

**EFFICIENCY COST RECOVERY (ECR) SURCHARGE**  
**December 1, 2016**

<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	\$874,469	\$97,460	\$743	\$972,672
Labor Expense	\$15,626	\$1,755	\$14	\$17,395
<b>Commercial &amp; Industrial Retrofit Incentive (CIRI)</b>				
Program Expense	\$141,098	\$254,689	\$0	\$395,787
Labor Expense	\$2,692	\$4,860	\$0	\$7,552
<b>Commercial &amp; Industrial Equipment Rebate (CIER)</b>				
Program Expense	\$7,627	\$353,963	\$59,770	\$421,360
Labor Expense	\$139	\$6,110	\$1,088	\$7,337
<b>High-Efficiency Construction Incentive (HECI)</b>				
Program Expense	\$109,904	\$134,557	\$0	\$244,461
Labor Expense	\$1,897	\$2,321	\$0	\$4,218
<b>Comprehensive Residential Retrofit Incentive (CRRI)</b>				
Program Expense	\$167,303	\$3,077	\$0	\$170,380
Labor Expense	<u>\$1,908</u>	<u>\$35</u>	<u>\$0</u>	<u>\$1,944</u>
<b>Total Expense</b>	\$1,322,664	\$858,828	\$61,615	\$2,243,106
<b>Prior Period Reconciliation (11/30/16)</b>	<u>\$ (416,661)</u>	<u>\$ (172,581)</u>	<u>\$ (27,533)</u>	<u>\$ (616,774)</u>
<b>Total</b>	\$906,002	\$686,247	\$34,082	\$1,626,332
<b>Volumes - Mcf (GCR Firm &amp; Firm Transportation)</b>	36,640,044	11,255,786	888,387	

<b>Efficiency Cost Recovery Surcharge / Mcf</b>	<b>\$0.0247</b>	<b>\$0.0610</b>	<b>\$0.0384</b>
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**EFFICIENCY COST RECOVERY (ECR) SURCHARGE  
STATEMENT OF RECONCILIATION  
1st Quarter Filing**

	Actual Sep-16	Actual Oct-16	Estimated Nov-16
<b>RESIDENTIAL &amp; PHA GS</b>			
FY 2016 Over-Collection	\$ 470,139		
Volume Billed	690,375	883,073	2,351,045
ECR Surcharge	\$ 0,0157	\$ 0,0195	\$ 0,0195
Revenue Billed	\$ 10,839	\$ 17,220	\$ 45,845
RHER			
Expense	\$ 3,209	\$ 3,085	\$ 76,432
Labor	\$ 1,095	\$ 795	\$ 1,099
RHER			
Expense	\$ 59	\$ 47	\$ 8,986
HECI			
Labor	\$ 133	\$ 97	\$ 134
CRRI			
Expense	\$ 93	\$ 1,870	\$ 17,224
CRRI			
Labor	\$ 211	\$ 153	\$ 212
CIRI			
Expense	\$ 76	\$ 61	\$ 11,247
CIRI			
Labor	\$ 174	\$ 126	\$ 174
CIER			
Expense	\$ 4	\$ 3	\$ 560
CIER			
Labor	\$ 8	\$ 6	\$ 8
Total	\$ 5,062	\$ 6,243	\$ 116,076
Monthly Over/(Under)	\$ 5,777	\$ 10,977	\$ (70,231)
Cumulative Over/(Under)	\$ 475,916	\$ 486,892	\$ 416,661
<b>COMMERCIAL &amp; PHA</b>			
FY 2016 Over-Collection	\$ 160,448		
Volume Billed	342,337	464,675	894,679
ECR Surcharge	\$ 0,0493	\$ 0,0510	\$ 0,0510
Revenue Billed	\$ 16,877	\$ 23,698	\$ 45,629
RHER			
Expense	\$ 354	\$ 340	\$ 8,424
RHER			
Labor	\$ 121	\$ 88	\$ 121
CRRI			
Expense	\$ 2	\$ 35	\$ 318
CRRI			
Labor	\$ 4	\$ 3	\$ 4
CIRI			
Expense	\$ 138	\$ 110	\$ 20,302
CIRI			
Labor	\$ 313	\$ 227	\$ 314
CIER			
Expense	\$ 193	\$ 154	\$ 29,711
CIER			
Labor	\$ 439	\$ 319	\$ 441
HECI			
Expense	\$ 72	\$ 57	\$ 11,021
HECI			
Labor	\$ 163	\$ 119	\$ 164
Total	\$ 1,799	\$ 1,452	\$ 70,820
Monthly Over/(Under)	\$ 15,078	\$ 22,247	\$ (25,192)
Cumulative Over/(Under)	\$ 175,526	\$ 197,772	\$ 172,581
<b>INDUSTRIAL</b>			
FY 2016 Over-Collection	\$ 15,015		
Volume Billed	25,814	37,863	78,007
ECR Surcharge	\$ 0,1224	\$ 0,1212	\$ 0,1212
Revenue Billed	\$ 3,160	\$ 4,589	\$ 9,454
RHER			
Expense	\$ 3	\$ 3	\$ 62
RHER			
Labor	\$ 1	\$ 1	\$ 1
CIRI			
Expense	\$ -	\$ -	\$ -
CIRI			
Labor	\$ -	\$ -	\$ -
CIER			
Expense	\$ 29	\$ 23	\$ 4,387
CIER			
Labor	\$ 65	\$ 47	\$ 65
Total	\$ 97	\$ 73	\$ 4,515
Monthly Over/(Under)	\$ 3,063	\$ 4,516	\$ 4,939
Cumulative Over/(Under)	\$ 18,077	\$ 22,593	\$ 27,533



**PHILADELPHIA GAS WORKS  
LOAD BALANCING CHARGE  
DECEMBER 1, 2016**

<b>Storage and Peaking Asset Cost</b>	<b>\$</b>	<b>13,831,478</b>
<hr/>		
<b>Design Day Requirements (Mcf)</b>		<b>652,781</b>
<b>Fulfilled from FT Capacity (Mcf)</b>		<b><u>292,757</u></b>
<b>Fulfilled from Storage and Peaking Assets (Excess Mcf)</b>		<b>360,024</b>
<hr/>		
<b>Annual Storage and Peaking Cost per Excess Mcf</b>	<b>\$</b>	<b>38.4182</b>
<b>Per Mcf Over / (Under) Adjustment</b>	<b>\$</b>	<b><u>(0.0981)</u></b>
<b>Load Balancing Charge</b>	<b>\$</b>	<b>38.5163</b>

<b>Over / (Under) Recovery</b>	<b>\$</b>	<b>(32,066)</b>
<b>Interest</b>	<b>\$</b>	<b><u>(3,045)</u></b>
<b>Total Over/(Under) Recovery</b>	<b>\$</b>	<b>(35,111)</b>
<b>Forecasted SSPC Volumes</b>		<b>358,076</b>
<b>Per Mcf Over / (Under) Adjustment</b>	<b>\$</b>	<b>(0.0981)</b>

**Projected Unaccounted For Factor And Retainage Rate**  
**1st Quarter Filing**  
**December 1, 2016**

<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>
2013-14	54,433,034	52,971,340	1,461,694	
2014-15	55,108,734	53,062,451	2,046,284	
2015-16	<u>43,389,839</u>	<u>42,040,302</u>	<u>1,349,537</u>	
<b>Total</b>	152,931,608	148,074,093	4,857,515	<b>3.2%</b>

**Natural Gas Prices Used for PGW's - FY 2016-2017 - 1st Quarter GCR Filing**

**Prices Used For Gas Cost Inputs**

**Basis Differentials**

	TRANSCO										NYMEX Futures 11/04/16 Close	TRANSCO					TETCO												
	TRANSCO					TRANSCO						TETCO					TETCO												
	Sta 30	Sta 45	Sta 65	Sta. 85	Zone 6- Non-NY	ELA	WLA	M-1	M-2	Sta 30		Sta 45	Sta 65	Sta. 85	Zone 6- Non-NY	ELA	WLA	M-1	M-2	Sta 30	Sta 45	Sta 65	Sta. 85	Zone 6- Non-NY	ELA	WLA	M-1	M-2	
2016:11										2.69	2.70	2.72	2.73	1.89	2.67	2.70	2.66	1.10	2.66	2.63	2.75	2.76	2.84	2.71	2.69	2.67	2.70	2.66	1.10
2016:12	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.10)	(0.48)	2.66	2.63	2.75	2.76	2.84	2.71	2.69	2.66	2.29	2.66	2.63	2.75	2.76	2.84	2.71	2.69	2.67	2.70	2.66	1.10
2017:1	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.10)	(0.48)	2.83	2.80	2.92	2.93	3.01	2.88	2.86	2.83	2.46	2.83	2.80	2.92	2.93	3.01	2.88	2.86	2.86	2.84	2.46	2.46
2017:2	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.10)	(0.48)	2.86	2.83	2.95	2.96	3.04	2.91	2.89	2.86	2.49	2.86	2.83	2.95	2.96	3.04	2.91	2.89	2.89	2.87	2.49	2.49
2017:3	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.10)	(0.48)	2.85	2.82	2.94	2.95	3.03	2.90	2.88	2.85	2.48	2.85	2.82	2.94	2.95	3.03	2.90	2.88	2.88	2.86	2.48	2.48
2017:4	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.10)	(0.48)	2.78	2.75	2.87	2.88	2.96	2.83	2.81	2.79	2.41	2.78	2.75	2.87	2.88	2.96	2.83	2.81	2.81	2.79	2.41	2.41
2017:5	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.10)	(0.48)	2.79	2.76	2.88	2.89	2.97	2.84	2.82	2.80	2.42	2.79	2.76	2.88	2.89	2.97	2.84	2.82	2.82	2.80	2.42	2.42
2017:6	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.10)	(0.48)	2.83	2.80	2.92	2.93	3.01	2.88	2.86	2.84	2.46	2.83	2.80	2.92	2.93	3.01	2.88	2.86	2.86	2.84	2.46	2.46
2017:7	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.10)	(0.48)	2.87	2.84	2.96	2.97	3.05	2.92	2.90	2.88	2.50	2.87	2.84	2.96	2.97	3.05	2.92	2.90	2.88	2.88	2.50	2.50
2017:8	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.10)	(0.48)	2.87	2.84	2.96	2.97	3.05	2.92	2.90	2.88	2.50	2.87	2.84	2.96	2.97	3.05	2.92	2.90	2.88	2.88	2.50	2.50
2017:9	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.10)	(0.32)	2.86	2.83	2.95	2.96	3.04	2.91	2.89	2.87	2.65	2.86	2.83	2.95	2.96	3.04	2.91	2.89	2.89	2.87	2.65	2.65
2017:10	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.10)	(0.32)	2.87	2.84	2.96	2.97	3.05	2.92	2.90	2.88	2.66	2.87	2.84	2.96	2.97	3.05	2.92	2.90	2.88	2.88	2.66	2.66
2017:11	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.10)	(0.32)	2.92	2.89	3.01	3.02	3.10	2.97	2.95	2.93	2.71	2.92	2.89	3.01	3.02	3.10	2.97	2.95	2.95	2.93	2.71	2.71



**Actual Natural Gas Billed**

	<u>Jul-16</u>	<u>Aug-16</u>	<u>Sep-16</u>
Williams	\$ 2,499,406.82	\$ 2,445,497.87	\$ 2,488,577.81
Texas Eastern	\$ 1,994,831.87	\$ 1,998,954.86	\$ 2,070,842.20
Dominion	\$ 131,891.60	\$ 131,891.60	\$ 131,263.77
Equitrans	\$ -	\$ -	\$ -
Spot Purchases -Transco	\$ 13,651.93	\$ 2,451.36	\$ -
Spot Purchases -Tetco	\$ -	\$ -	\$ -
Transco Supply2	\$ 4,650.00	\$ 4,650.00	\$ 4,500.00
Transco Supply3	\$ 338,675.00	\$ 279,775.00	\$ 206,250.00
Transco Supply6	\$ -	\$ -	\$ -
Transco Supply7	\$ -	\$ -	\$ -
Transco Supply8	\$ 4,650.00	\$ 4,650.00	\$ 4,500.00
Transco Supply10	\$ 440,975.00	\$ 427,025.00	\$ 413,250.00
Transco Supply12	\$ -	\$ -	\$ -
Transco Supply14	\$ 351,385.00	\$ 313,410.00	\$ 330,450.00
Transco Supply17	\$ -	\$ -	\$ -
Transco Supply20	\$ -	\$ -	\$ -
Transco Supply21	\$ -	\$ -	\$ -
Transco Supply22	\$ 296,256.09	\$ 236,710.75	\$ 273,309.35
Transco Supply23	\$ 443,300.00	\$ 402,498.54	\$ 388,200.00
Transco Supply24	\$ -	\$ -	\$ -
Transco Supply25	\$ -	\$ -	\$ -
Transco Supply26	\$ -	\$ -	\$ -
Transco Supply27	\$ -	\$ -	\$ -
Transco Supply28	\$ -	\$ -	\$ -
Transco Supply29	\$ 352,935.00	\$ 314,960.00	\$ 331,950.00
Transco Supply30	\$ -	\$ -	\$ -
Transco Supply31	\$ -	\$ -	\$ -
Transco Supply32	\$ 338,675.00	\$ 279,775.00	\$ 200,250.00
Tetco Supply1	\$ 303,800.00	\$ 193,750.00	\$ 168,200.00
Tetco Supply2	\$ -	\$ -	\$ -
Tetco Supply3	\$ -	\$ -	\$ -
Tetco Supply4	\$ -	\$ -	\$ -
Tetco Supply5	\$ -	\$ -	\$ -
Tetco Supply7	\$ -	\$ -	\$ -
Tetco Supply13	\$ -	\$ -	\$ -
Tetco Supply14	\$ -	\$ -	\$ -
Tetco Supply16	\$ 745,162.50	\$ 594,812.50	\$ 583,325.00
Tetco Supply17	\$ -	\$ -	\$ -
Tetco Supply18	\$ -	\$ -	\$ -
Tetco Supply19	\$ -	\$ -	\$ -
Tetco Supply20	\$ -	\$ -	\$ -
Tetco Supply21	\$ -	\$ -	\$ -
Tetco Supply22	\$ -	\$ -	\$ -
Tetco Supply23	\$ -	\$ -	\$ -
Tetco Supply24	\$ 623,605.11	\$ 563,145.99	\$ 557,106.96
Tetco Supply25	\$ -	\$ -	\$ -
Tetco Supply26	\$ 700,577.22	\$ 579,350.00	\$ 476,850.00
Tetco Supply27	\$ -	\$ -	\$ -
Tetco Supply28	\$ 303,800.00	\$ 193,750.00	\$ 174,000.00
Tetco Supply29	\$ -	\$ -	\$ -
Tetco Supply30	\$ 304,947.00	\$ 194,897.00	\$ 175,110.00
<b>Total Costs</b>	<b>\$ 10,193,175</b>	<b>\$ 9,161,955</b>	<b>\$ 8,977,935</b>
Sharing Mechanism	\$ 191,390	\$ 200,675	\$ 194,210
Asset Management Agreement	\$ (25,000)	\$ (25,000)	\$ (25,000)
Off System Sales	\$ -	\$ -	\$ -
Gas Transportation Purchases	\$ 1,040	\$ 1,927	\$ 4,513
Adjustment/Reconciliation	\$ (268,644)	\$ 154,066	\$ 63,576
<b>Total Natural Gas Billed</b>	<b>\$ 10,091,961</b>	<b>\$ 9,493,623</b>	<b>\$ 9,215,234</b>

**Philadelphia Gas Works**  
**Summary of Fuels Purchased**  
**Three Months Ending September 2016**

	Actual			Projected			Actual Over/Under vs Projected					
	Jul-16	Aug-16	Sep-16	Total	3rd Qtr Filing Jul-16	4th Qtr Filing Aug-16	Projected 4th Qtr Filing Sep-16	Total	Jul-16	Aug-16	Sep-16	Total
Total Natural Gas Billed	\$ 10,091,961	\$ 9,493,623	\$ 9,215,234	\$ 28,800,818	\$ 8,836,191	\$ 9,333,092	\$ 10,745,505	\$ 28,914,789	\$ 1,255,770	\$ 160,531	\$ (1,530,271)	\$ (113,971)
Less Imbalance Charge	\$ 5,886	\$ (16,192)	\$ -	\$ (10,306)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Less Interruptible Credit	\$ 6,916	\$ 18,285	\$ 6,306	\$ 31,507	\$ 180,041	\$ 4,405	\$ 128,353	\$ 312,799	\$ (173,125)	\$ 13,880	\$ (122,047)	\$ (281,292)
Gas Used For Utility	\$ 19,052	\$ 13,757	\$ 20,502	\$ 53,311	\$ 10,217	\$ 14,932	\$ 27,277	\$ 52,425	\$ 8,835	\$ (1,175)	\$ (6,775)	\$ 886
	\$ 10,060,107	\$ 9,477,773	\$ 9,188,426	\$ 28,726,306	\$ 8,645,933	\$ 9,313,755	\$ 10,589,876	\$ 28,549,564	\$ 1,414,174	\$ 164,018	\$ (1,401,450)	\$ 176,742
<b>Pipeline Storages</b>												
(To)	\$ (4,084,742)	\$ (3,817,841)	\$ (3,049,311)	\$ (10,951,894)	\$ (2,654,361)	\$ (3,155,468)	\$ (3,443,089)	\$ (9,252,918)	\$ (1,430,381)	\$ (662,373)	\$ 393,778	\$ (1,698,976)
From	\$ (274)	\$ 806,444	\$ -	\$ 806,170	\$ -	\$ -	\$ -	\$ -	\$ (274)	\$ 806,444	\$ -	\$ 806,170
Net Pipeline Storages	\$ (4,085,016)	\$ (3,011,397)	\$ (3,049,311)	\$ (10,145,724)	\$ (2,654,361)	\$ (3,155,468)	\$ (3,443,089)	\$ (9,252,918)	\$ (1,430,655)	\$ 144,071	\$ 393,778	\$ (892,806)
<b>LNG Storage</b>												
(To)	\$ 8,634	\$ -	\$ (40,226)	\$ (31,592)	\$ -	\$ -	\$ (26,365)	\$ (26,365)	\$ 8,634	\$ -	\$ (13,861)	\$ (5,227)
From	\$ 177,714	\$ 182,069	\$ 175,780	\$ 535,563	\$ 370,355	\$ 190,661	\$ 307,774	\$ 868,790	\$ (192,641)	\$ (8,592)	\$ (131,994)	\$ (333,227)
Net LNG Storage	\$ 186,348	\$ 182,069	\$ 135,554	\$ 503,971	\$ 370,355	\$ 190,661	\$ 281,410	\$ 842,425	\$ (184,007)	\$ (8,592)	\$ (145,856)	\$ (338,454)
Net Natural Gas	\$ 6,161,439	\$ 6,648,445	\$ 6,274,669	\$ 19,084,553	\$ 6,361,926.50	\$ 6,348,948	\$ 7,428,196	\$ 20,139,071	\$ (200,487)	\$ 299,497	\$ (1,153,527)	\$ (1,054,518)
<b>APPLICABLE GCR EXPENSES</b>												
Net Natural Gas Expense	\$ 6,161,439	\$ 6,648,445	\$ 6,274,669	\$ 19,084,553	\$ 6,361,926	\$ 6,348,948	\$ 7,428,196	\$ 20,139,071	\$ (200,487)	\$ 299,497	\$ (1,153,527)	\$ (1,054,518)
Purchased Electric & Misc	\$ 54,145	\$ 27,389	\$ 29,367	\$ 110,901	\$ 43,093	\$ 36,603	\$ 20,266	\$ 99,962	\$ 11,052	\$ (9,214)	\$ 9,101	\$ 10,939
Total GCR Expenses	\$ 6,215,584	\$ 6,675,834	\$ 6,304,036	\$ 19,195,454	\$ 6,405,019	\$ 6,385,552	\$ 7,448,462	\$ 20,239,033	\$ (189,435)	\$ 290,282	\$ (1,144,426)	\$ (1,043,579)