



PHILADELPHIA GAS WORKS

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February 28, 2019

VIA E-FILING

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

**Re: Pa. PUC v. Philadelphia Gas Works (2nd Quarter 2018-2019 GCR Filing)
Docket No. R-2018-2645938**

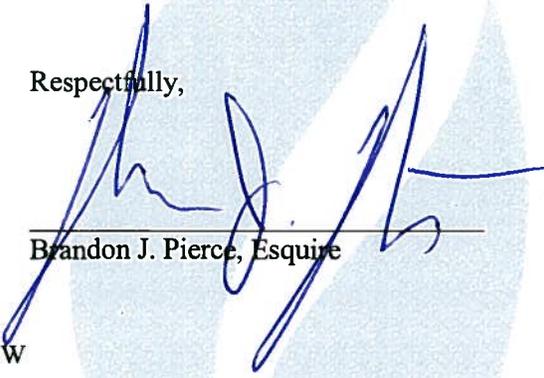
Dear Secretary Chiavetta:

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. 118; and
- 2) PGW Gas Supplier Tariff, Pa. P.U.C. No. 1, Supplement No. 80.

These supplements are being filed to implement PGW's 2nd Quarter 2018-2019 Gas Cost Rate ("GCR"). The tariff supplements are to become effective on one day's notice on March 1, 2019. Please contact me with any questions.

Respectfully,



Brandon J. Pierce, Esquire

Enclosures

cc: Cert. of Service w/enc
Raquel Guzman, VP Legal & General Counsel, PGW
Marissa Boyle (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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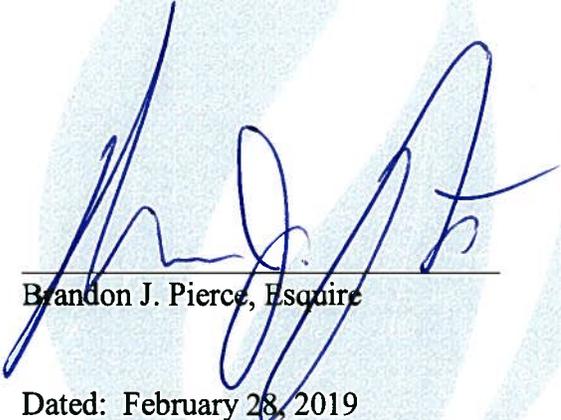
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Brandon J. Pierce, Esquire

Dated: February 28, 2019

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

Supplement No. 118

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 March 1, 2019, increases from \$(0.02247) per Ccf to \$(0.00904) per Ccf.

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

In the definition of “IRC,” the “IRC” value effective March 1, 2019, decreases from \$0.00092 per Ccf to \$0.00059 per Ccf. In the definition of “SSC,” the “SSC” value effective March 1, 2019, increases from \$0.47062 per Ccf to \$0.49742 per Ccf.

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

The Gas Cost Rate (GCR) effective March 1, 2019, increases from \$0.44723 per Ccf to \$0.48779 per Ccf.

PRICE TO COMPARE (Page No. 78)

The Prices to Compare effective March 1, 2019, are: a) \$0.51072 per Ccf for Residential; b) \$0.49540 per Ccf for Commercial Customers on Rate GS; c) \$0.49428 per Ccf for Industrial Customers on Rate GS; and d) \$0.49238 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 March 1, 2019, are: a) \$0.00219 per Ccf for Residential and Public Housing Customers on Rate GS; b) \$0.00405 per Ccf for Commercial Customers on Rate GS; c) \$(0.00376) per Ccf for Industrial Customers on Rate GS; d) \$0.00000 per Ccf for Municipal Customers on Rate MS; and e) \$0.00405 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, 2019, increases from \$0.11183 per Ccf to \$0.16259 per Ccf.

GENERAL SERVICE – RATE GS (Page No. 83)

The Gas Cost Rate (GCR) effective March 1, 2019, increases from \$0.44723 per Ccf to \$0.48779 per Ccf.

MUNICIPAL SERVICE – RATE MS (Page No. 87)

The Gas Cost Rate (GCR) effective March 1, 2019, increases from \$0.44723 per Ccf to \$0.48779 per Ccf.

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

The Gas Cost Rate (GCR) effective March 1, 2019, increases from \$0.44723 per Ccf to \$0.48779 per Ccf.

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

The Gas Cost Rate (GCR) effective March 1, 2019, increases from \$0.44723 per Ccf to \$0.48779 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 \$(0.04724) per Ccf for Commodity Costs and \$0.03820 per Ccf for Demand Costs, for service on or after March 1, 2019. The total GAC is \$(0.00904) 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 \$0.00059 per Ccf for service on or after March 1, 2019. **(D)**

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

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

SSC - Sales Service Charge - The purchased Gas costs determined to the nearest $\frac{1}{100}$ of a cent (\$0.0001). The currently effective SSC is \$0.36442 per Ccf for Commodity Costs and \$0.13300 per Ccf for Demand Costs, for service on or after March 1, 2019. The total SSC is \$0.49742 per Ccf. **(I)**

(D) – Decrease; (I) – Increase

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 \$0.48779 per Ccf, for service on or after March 1, 2019.

(I)

IV. REPORTING REQUIREMENTS

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

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

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

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

V. PROVISION FOR INCLUSION OF SPECIFIC NON-GAS EXPENSES

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

VI. INTERRUPTIBLE REVENUE CREDIT (IRC)

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

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

(I) – Increase

MERCHANT FUNCTION CHARGE (“MFC”)

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

GAS PROCUREMENT CHARGE (“GPC”)

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

Current Gas Procurement Charge = \$0.00400/Ccf

PRICE TO COMPARE (“PTC”)

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

	GS RES	GS PH	GS COM	GS IND	MS	PHA	NGVS
SSC	\$0.49742	\$0.49742	\$0.49742	\$0.49742	\$0.49742	\$0.49742	\$0.49742
GAC	(\$0.00904)	(\$0.00904)	(\$0.00904)	(\$0.00904)	(\$0.00904)	(\$0.00904)	(\$0.00904)
MFC	\$0.01834	\$0.00000	\$0.00302	\$0.00190	\$0.00000	\$0.00000	\$0.00000
GPC	\$0.00400	\$0.00400	\$0.00400	\$0.00400	\$0.00400	\$0.00400	\$0.00400
PTC	<u>\$0.51072</u>	<u>\$0.49238</u>	<u>\$0.49540</u>	<u>\$0.49428</u>	<u>\$0.49238</u>	<u>\$0.49238</u>	<u>\$0.49238</u>

(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) \$0.00219 per Ccf for Residential and Public Housing Customers on Rate GS; | (D) |
| b) \$0.00405 per Ccf for Commercial Customers on Rate GS; | (D) |
| c) \$(0.00376) per Ccf for Industrial Customers on Rate GS; | (I) |
| d) \$0.00000 per Ccf for Municipal Customers on Rate MS; and | (NC) |
| e) \$0.00405 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 = \$ 0.16259/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 March 1, 2019.

AVAILABILITY

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

RATES

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

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

Surcharge: Distribution System Improvement Charge.

Plus,

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

\$0.48779	per Ccf for Residential and Public Housing	(I)
\$0.48779	per Ccf for Commercial Customers	(I)
\$0.48779	per Ccf for Industrial Customers	(I)

Plus,

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

(A) Delivery Charge:

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

(B) Surcharges:

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

(I) - Increase

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

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, 2019.

AVAILABILITY

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

RATES

CUSTOMER CHARGE (per Meter (except parallel meters):

\$ 23.40 per month

Surcharge: Distribution System Improvement Charge.

Plus,

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

\$0.48779 per Ccf

(I)

Plus,

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

(A) Delivery Charge:

\$0.42723 per Ccf

(B) Surcharges:

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

(I) - Increase

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

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, 2019.

AVAILABILITY

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

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

RATES

CUSTOMER CHARGE (per Meter (except parallel meters);

\$23.40 per month

Surcharge: Distribution System Improvement Charge.

Plus,

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

\$0.48779 per Ccf

(I)

Plus

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

(A) Delivery Charge:

\$0.50163 per Ccf

(B) Surcharges:

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

(I) - Increase

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

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, 2019.

AVAILABILITY

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

CHARACTER OF SERVICE

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

MONTHLY RATE

CUSTOMER CHARGE:

\$35.00 per month

Surcharge: Distribution System Improvement Charge.

Plus,

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

\$0.48779 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.

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

Supplement No. 80

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 March 1, 2019, is \$54.4642 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 \$54.4642 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.

"S₁" – 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.

"S₂" – forecasted Mcf of load balancing volumes during the projected period when rates will be in effect.

(I) – Increase

Supporting Schedules

MARCH 1, 2019

2ND QUARTER GCR FILING

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Philadelphia Gas Works

Levelized Gas Cost Rate

March 1, 2019

Formula:
GCR = SSC + GAC - IRC

where:

	<u>Demand</u>	<u>Commodity</u>	<u>Total</u>	
S = Firm Sales (Mcf)			43,599,819	Schedule 2
Net Natural Gas Expense	\$ 74,710,757	\$ 137,849,184	\$ 212,559,941	
Purchased Electric & Misc Expenses	\$ -	\$ 660,461	\$ 660,461	
Total Natural Gas Expense	\$ 74,710,757	\$ 138,509,644	\$ 213,220,401	Schedule 3
C-Factor Reconciliation	\$ (16,461,660)	\$ 21,102,208	\$ 4,640,549	Schedule 4(b)
C = Total Applicable GCR Expense	\$ 58,249,098	\$ 159,611,852	\$ 217,860,950	
SSC = C / S	\$ 1.3360	\$ 3.6608	\$ 4.9968	

Adjustment For:

E-Factor Volumes (Mcf)			15,405,464	Schedule 4(c)
E-Factor Reconciliation	\$ 18,425,005	\$ (22,785,025)	\$ (4,360,019)	Schedule 4(c)
	\$ 18,425,005	\$ (22,785,025)	\$ (4,360,019)	
E = E-Factor	\$ 1.1960	\$ (1.4790)	\$ (0.2830)	

Interruptible Revenue Credit			\$ 268,888	Schedule 5(a)
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IRC = Interruptible Revenue Credit / S			\$ 0.0062	
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Net Applicable GCR Expenses = C + E - Interruptible Revenue Credit			\$ 213,232,043	
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<u>GCR = SSC + GAC - IRC</u>			\$ 4.7076	
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SSC in effect 3/01/19	\$ 1.3300	\$ 3.6442	\$ 4.9742	
GAC in effect 3/01/19	\$ 0.3820	\$ (0.4724)	\$ (0.0904)	
IRC in effect 3/01/19			\$ (0.0059)	
GCR in effect 3/01/19			\$ 4.8779	

Recovery Test on:

Firm Sales (Mcf)		43,599,819		
= GCR Projected Recovery	\$	211,414,547		Schedule 6
= Load Balancing Revenue	\$	1,779,692		
= LNG Sales Demand Revenue	\$	<u>38,649</u>		
= Total Projected Recovery	\$	213,232,889		Schedule 6
Compared To				
Net Applicable GCR Expenses	\$	<u>213,232,043</u>		
= Net Over/(Under) Recovery	\$	<u>845</u>		

Degree Days			3,956	
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Philadelphia Gas Works

Price To Compare (\$ / MCF)

March 1, 2019

	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	\$4.8779	(\$0.0963)	\$4.9742	3.76%	\$0.1834	\$0.0400	(\$0.0904)	\$5.1072
Commercial GS	\$4.8779	(\$0.0963)	\$4.9742	0.62%	\$0.0302	\$0.0400	(\$0.0904)	\$4.9540
Industrial GS	\$4.8779	(\$0.0963)	\$4.9742	0.39%	\$0.0190	\$0.0400	(\$0.0904)	\$4.9428
Phila. Housing Authority (PHA)	\$4.8779	(\$0.0963)	\$4.9742	0.00%	\$0.0000	\$0.0400	(\$0.0904)	\$4.9238
Municipal (MS)	\$4.8779	(\$0.0963)	\$4.9742	0.00%	\$0.0000	\$0.0400	(\$0.0904)	\$4.9238
NGV Firm	\$4.8779	(\$0.0963)	\$4.9742	0.00%	\$0.0000	\$0.0400	(\$0.0904)	\$4.9238
Phila. Housing Authority (GS)	\$4.8779	(\$0.0963)	\$4.9742	0.00%	\$0.0000	\$0.0400	(\$0.0904)	\$4.9238

SALES & VOLUMES

MARCH 2019 THROUGH FEBRUARY 2020

MONTH	TOTAL VOLUMES	FIRM TRANSPORT VOLUMES	BILLED SALES	INTERRUPTIBLE SALES	LNG SALES	AIR CONDITIONING SALES	GCR FIRM SALES	SENIOR CITIZEN DISCOUNT SALES	APPLICABLE VOLUMES
	1	2	3 = (1 - 2)	4	4A	4B	5 = (3 - 4 - 4A - 4B)	6	7 = (5 - 6 + 2)
MARCH 2019	7,134,115	867,290	6,266,825	43,961	4,874	-	6,217,990	29,201	7,056,079
APRIL	4,916,245	572,333	4,343,912	42,543	4,717	-	4,296,652	19,819	4,849,166
MAY	2,241,082	290,253	1,950,829	43,961	4,874	-	1,901,994	7,866	2,184,381
JUNE	1,359,803	210,202	1,149,601	42,543	4,717	121	1,102,220	3,678	1,308,744
JULY	1,229,000	193,764	1,035,236	43,961	4,874	712	985,689	3,177	1,176,276
AUGUST	1,128,973	177,839	951,134	43,961	4,874	1,379	900,920	2,876	1,075,882
SEPTEMBER	1,085,933	173,360	912,573	42,427	-	627	869,519	2,739	1,040,140
OCTOBER	1,545,500	259,964	1,285,536	43,841	-	331	1,241,364	4,138	1,497,189
NOVEMBER	3,342,965	475,320	2,867,645	42,427	-	-	2,825,218	11,088	3,289,450
DECEMBER	6,116,905	817,508	5,299,397	43,841	-	-	5,255,556	21,325	6,051,739
JANUARY 2020	11,132,580	1,318,169	9,814,412	43,841	-	-	9,770,571	40,775	11,047,964
FEBRUARY	<u>9,389,395</u>	<u>1,116,256</u>	<u>8,273,140</u>	<u>41,013</u>	<u>-</u>	<u>-</u>	<u>8,232,127</u>	<u>33,720</u>	<u>9,314,663</u>
TOTAL	50,622,496	6,472,257	44,150,240	518,322	28,929	3,170	43,599,819	180,403	49,891,673

**Projected Applicable Fuel Expense
SUMMARY
FY 2018-2019 2nd Quarter Filing**

	MARCH 2019	APRIL 2019	MAY 2019	JUNE 2019	JULY 2019	AUGUST 2019	SEPTEMBER 2019	OCTOBER 2019	NOVEMBER 2019	DECEMBER 2019	JANUARY 2020	FEBRUARY 2020	TOTAL
NATURAL GAS BILLED													
DEMAND CHARGE	\$ 5,797,728	\$ 5,699,488	\$ 5,689,809	\$ 7,092,628	\$ 7,082,231	\$ 7,077,937	\$ 5,481,695	\$ 5,421,051	\$ 6,011,917	\$ 6,434,396	\$ 6,433,157	\$ 6,488,720	\$ 74,710,757
COMMODITY CHARGE	\$ 12,818,279	\$ 12,966,165	\$ 11,690,981	\$ 9,130,059	\$ 8,746,479	\$ 8,991,225	\$ 8,860,245	\$ 13,006,662	\$ 13,169,038	\$ 16,317,337	\$ 15,090,109	\$ 14,592,007	\$ 145,378,585
TOTAL NATURAL GAS BILLED	\$18,616,007	\$18,665,653	\$17,380,790	\$16,222,687	\$15,828,710	\$16,069,162	\$14,341,940	\$18,427,713	\$19,180,955	\$22,751,733	\$21,523,266	\$21,080,727	\$220,089,342
INTERRUPTIBLE & A/C CREDIT	\$ 137,282	\$ 128,577	\$ 129,698	\$ 125,340	\$ 132,882	\$ 134,686	\$ 130,110	\$ 136,966	\$ 133,445	\$ 143,583	\$ 145,030	\$ 134,390	\$ 1,611,989
SENDOUT VOLUME IN MCF	45,274	43,814	45,274	43,938	46,008	46,694	44,466	45,622	43,821	45,281	45,281	42,360	537,834
DKT CONVERSION FACTOR	1.036	1.036	1.036	1.036	1.036	1.036	1.036	1.036	1.036	1.036	1.036	1.036	
PRICE \$/DKT	\$ 2.9269	\$ 2.8326	\$ 2.7652	\$ 2.7535	\$ 2.7879	\$ 2.7842	\$ 2.8244	\$ 2.8978	\$ 2.9394	\$ 3.0607	\$ 3.0916	\$ 3.0623	
GAS USED FOR UTILITY	\$ 363,625	\$ 426,197	\$ 444,357	\$ 469,323	\$ 504,732	\$ 542,059	\$ 29,376	\$ 29,911	\$ 70,879	\$ 119,158	\$ 151,016	\$ 123,466	\$ 3,274,101
NATURAL GAS TO STORAGE	\$ (63,216)	\$ (3,499,049)	\$ (7,106,819)	\$ (6,578,903)	\$ (6,099,847)	\$ (6,349,107)	\$ (6,001,226)	\$ (6,057,388)	\$ -	\$ 0	\$ 0	\$ 0	\$ (41,755,555)
FROM STORAGE PGW	\$ 6,700,877	\$ 254,909	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 236,836	\$ 7,919,840	\$ 13,813,562	\$ 10,304,455	\$ 39,230,479
FT FROM STORAGE	\$ 176,710	\$ 6,059	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,558	\$ 680,385	\$ 1,016,039	\$ 678,791	\$ 2,568,541
NET NATURAL GAS STORAGE	\$6,637,661	(\$3,244,139)	(\$7,106,819)	(\$6,578,903)	(\$6,099,847)	(\$6,349,107)	(\$6,001,226)	(\$6,057,388)	\$236,836	\$7,919,840	\$13,813,562	\$10,304,455	(\$2,525,075)
LNG TO STORAGE	\$ (1,201,324)	\$ (714,905)	\$ (328,968)	\$ (17,601)	\$ -	\$ -	\$ (8,898)	\$ (467,732)	\$ (1,008,574)	\$ (1,052,328)	\$ (1,085,434)	\$ (1,006,596)	\$ (6,892,360)
FROM LNG PGW	\$ 308,564	\$ 281,882	\$ 290,469	\$ 265,869	\$ 274,727	\$ 274,727	\$ 265,864	\$ 280,977	\$ 265,117	\$ 1,194,059	\$ 1,903,678	\$ 1,260,771	\$ 6,866,704
FT FROM LNG	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0
NET LNG STORAGE	\$ (892,760)	\$ (433,023)	\$ (38,499)	\$ 248,267	\$ 274,727	\$ 274,727	\$ 256,966	\$ (186,755)	\$ (743,457)	\$ 141,731	\$ 818,244	\$ 254,175	(\$25,656)
LNG SALES FROM LNG TANK	\$ 15,491	\$ 15,141	\$ 15,625	\$ 15,106	\$ 15,609	\$ 15,609	\$ -	\$ -	\$ -	\$ 0	\$ 0	\$ 0	\$ 92,581
SENDOUT VOLUMES (MCF)	4,874	4,717	4,874	4,717	4,874	4,874	-	-	-	0	0	0	28,929
@ AVG LNG COMMODITY RATE	\$ 3.1783	\$ 3.2100	\$ 3.2058	\$ 3.2027	\$ 3.2026	\$ 3.2026	\$ 3.2026	\$ 3.2026	\$ 3.2016	\$ 3.2044	\$ 3.2207	\$ 3.2439	
NET NATURAL GAS EXPENSE	\$23,844,510	\$14,418,577	\$9,645,792	\$9,282,281	\$9,350,367	\$9,302,427	\$8,438,194	\$12,016,694	\$18,470,010	\$30,550,563	\$35,859,025	\$31,381,501	\$212,559,941
APPLICABLE GCR EXPENSE													
NET NATURAL GAS EXPENSE	\$ 23,844,510	\$ 14,418,577	\$ 9,645,792	\$ 9,282,281	\$ 9,350,367	\$ 9,302,427	\$ 8,438,194	\$ 12,016,694	\$ 18,470,010	\$ 30,550,563	\$ 35,859,025	\$ 31,381,501	\$ 212,559,941
PURCHASED ELECTRIC & MISC	\$ 56,691	\$ 45,603	\$ 38,951	\$ 24,980	\$ 39,374	\$ 30,928	\$ 31,659	\$ 31,955	\$ 44,299	\$ 54,208	\$ 77,062	\$ 59,751	\$ 535,461
PLANALYTICS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 125,000	\$ -	\$ 125,000
TOTAL APPLICABLE EXPENSES	\$23,901,201	\$14,464,179	\$9,684,743	\$9,307,261	\$9,389,741	\$9,333,355	\$8,469,853	\$12,048,649	\$18,514,309	\$30,604,771	\$36,061,087	\$31,441,252	\$213,220,401
TOTAL GCR FIRM SALES	6,217,990	4,296,652	1,901,994	1,102,220	985,689	900,920	869,519	1,241,364	2,825,218	5,255,556	9,770,571	8,232,127	43,599,819

**ACTUAL / ESTIMATED DATA - FISCAL YEAR 2019
PHILADELPHIA GAS WORKS**

<u>Rate</u>	<u>7/1/2018</u>	<u>Split Month 9/1/2018</u>	<u>10/1/2018</u>	<u>Split Month 12/1/2018</u>	<u>1/1/2019</u>	<u>Split Month 3/1/2019</u>	<u>4/1/2019</u>
SSC in Effect	\$ 3.6317	\$ 3.8931	\$ 4.1544	\$ 4.4303	\$ 4.7062	\$ 4.8402	\$ 4.9742
GAC in Effect	\$ (0.0091)	\$ (0.1493)	\$ (0.2894)	\$ (0.2571)	\$ (0.2247)	\$ (0.1576)	\$ (0.0904)
IRC in Effect	\$ (0.0016)	\$ (0.0017)	\$ (0.0017)	\$ (0.0055)	\$ (0.0092)	\$ (0.0076)	\$ (0.0059)
Total Effective	\$ 3.6210	\$ 3.7422	\$ 3.8633	\$ 4.1678	\$ 4.4723	\$ 4.6751	\$ 4.8779
<u>Percentage of Total</u>							
C-Factor	100.3%	104.0%	107.5%	106.3%	105.2%	103.5%	102.0%
E-Factor	-0.3%	-4.0%	-7.5%	-6.2%	-5.0%	-3.4%	-1.9%
IRC-Factor	0.0%	0.0%	0.0%	-0.1%	-0.2%	-0.2%	-0.1%
Total	100%	100%	100%	100%	100%	100%	100%

<u>C-Factor</u>							
Demand Charge in Effect	\$ 0.8835	\$ 1.0108	\$ 1.1382	\$ 1.3801	\$ 1.6221	\$ 1.4761	\$ 1.3300
Commodity in Effect	\$ 2.7482	\$ 2.8822	\$ 3.0162	\$ 3.0502	\$ 3.0841	\$ 3.3642	\$ 3.6442
	\$ 3.6317	\$ 3.8930	\$ 4.1544	\$ 4.4303	\$ 4.7062	\$ 4.8402	\$ 4.9742
<u>Percentage of Total</u>							
Demand Charge in Effect	24.3%	26.0%	27.4%	31.2%	34.5%	30.5%	26.7%
Commodity in Effect	75.7%	74.0%	72.6%	68.8%	65.5%	69.5%	73.3%
	100%	100%	100%	100%	100%	100%	100%

<u>Fiscal Year 2018 E-Factor</u>	<u>C-Factor Over/(Under)</u>	<u>E-Factor Over/(Under)</u>	<u>Interest Over/(Under)</u>	<u>FY 2018 Final E-Factor</u>
	\$ 10,484,734	\$ 379,812	\$ 571,436	\$ 11,435,982

<u>Actual</u>	<u>Sep-2018 Actual</u>	<u>Oct-2018 Actual</u>	<u>Nov-2018 Actual</u>	<u>Dec-2018 Actual</u>	<u>Jan-2019 Estimated</u>	<u>Feb-2019 Estimated</u>
Fiscal Year 2018-2019	-	-	-	-	-	-
GCR Firm Sales	928,526	1,244,665	3,698,101	6,381,553	8,561,581	8,603,288
Migration Rider Sales	-	-	-	-	-	-
GCR Revenue Billed	\$ 3,506,061	\$ 4,806,212	\$ 14,283,132	\$ 26,740,061	\$ 38,289,958	\$ 38,476,486
Migration Rider Revenue Billed	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Load Balancing Billed	\$ 118,414	\$ 111,261	\$ 113,201	\$ 132,144	\$ 133,937	\$ 136,212
LNG Sales Demand Charge Credit	\$ 854	\$ -	\$ -	\$ -	\$ -	\$ 1,737
Total Revenue Billed	\$ 3,625,329	\$ 4,917,473	\$ 14,396,333	\$ 26,872,205	\$ 38,423,895	\$ 38,614,435
Natural Gas Refunds	\$ -	\$ 2,638	\$ 210			
Demand Charges	\$ 4,826,933	\$ 4,889,826	\$ 3,967,485	\$ 3,966,548	\$ 4,924,062	\$ 4,925,925
Supply Charges	\$ 1,979,402	\$ 7,004,586	\$ 18,822,006	\$ 27,771,597	\$ 31,732,919	\$ 23,960,571
Net Cost of Fuel	\$ 6,806,335	\$ 11,894,412	\$ 22,789,491	\$ 31,738,145	\$ 36,656,980	\$ 28,886,496

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

MONTH	NET COST	TOTAL	C FACTOR	C FACTOR	LOAD BALANCING	LNG SALES GCR	TOTAL	NATURAL GAS	OVER/	CUMULATIVE
	OF FUEL	GCR		REVENUE			REVENUE		C FACTOR	
	1	2	% of GCR	4 = (2 * 3)	5	6	7 = (4 + 5 + 6)	8	9 = (7 + 8 - 1)	10
	(\$)	(\$)		(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)
SEPTEMBER 2018	6,806,335	3,506,061	104.0%	3,647,441	118,414	854	3,766,708	0	(3,039,627)	(3,039,627)
OCTOBER	11,894,412	4,806,212	107.5%	5,168,361	111,261	0	5,279,622	2,638	(6,612,152)	(9,651,779)
NOVEMBER	22,789,491	14,283,132	107.5%	15,359,367	113,201	0	15,472,568	210	(7,316,713)	(16,968,492)
DECEMBER	31,738,145	26,740,061	106.3%	28,424,226	132,144	0	28,556,371	0	(3,181,774)	(20,150,266)
JANUARY 2019	36,656,980	38,289,958	105.2%	40,292,511	133,937	0	40,426,449	0	3,769,469	(16,380,797)
FEBRUARY	28,886,496	38,476,486	105.2%	40,488,795	136,212	1,737	40,626,745	0	11,740,249	(4,640,549)

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

		GCR SALES 1 (MCF)	TOTAL E-FACTOR VOLUMES 2 (MCF)	TOTAL GCR REVENUE BILLED 3 (\$)	E-FACTOR % of GCR 4	E-FACTOR GCR REVENUE BILLED 5=(3 * 4) (\$)	OVER/(UNDER) PROJECTED RECOVERY 6 (\$)	
PRIOR YEAR E-FACTOR							\$ 11,435,982	
MONTH								
SEPTEMBER 2018	Actual	928,526	928,526	\$ 3,506,061	-4.0%	\$ (139,834)	\$ 11,296,148	
OCTOBER	Actual	1,244,665	1,244,665	\$ 4,806,212	-7.5%	\$ (360,034)	\$ 10,936,115	
NOVEMBER	Actual	3,698,101	3,698,101	\$ 14,283,132	-7.5%	\$ (1,069,950)	\$ 9,866,165	
DECEMBER	Actual	6,381,553	6,381,553	\$ 26,740,061	-6.2%	\$ (1,649,199)	\$ 8,216,965	
JANUARY 2019	Estimated	8,561,581	8,561,581	\$ 38,289,958	-5.0%	\$ (1,923,787)	\$ 6,293,178	
FEBRUARY	Estimated	8,603,288	8,603,288	\$ 38,476,486	-5.0%	\$ (1,933,159)	\$ 4,360,019	
						5 = (Col 1 * -.2830)		
MARCH	Estimated	6,217,990	6,217,990	\$ 29,069,725		\$ (1,759,801)		
APRIL	Estimated	4,296,652	4,296,652	\$ 20,958,638		\$ (1,216,029)		
MAY	Estimated	1,901,994	1,901,994	\$ 9,277,736		\$ (538,298)		
JUNE	Estimated	1,102,220	1,102,220	\$ 5,376,521		\$ (311,948)		
JULY	Estimated	985,689	985,689	\$ 4,808,090		\$ (278,967)		
AUGUST	Estimated	900,920	900,920	\$ 4,394,596		\$ (254,976)		
TOTAL		15,405,464	15,405,464	\$ 73,885,306		(4,360,019)		
March 1, 2019 E-FACTOR		-0.2830						

**FISCAL YEAR 2019
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 2018	3,506,061	-0.04%	(1,546)
OCTOBER	4,806,212	-0.04%	(2,115)
NOVEMBER	14,283,132	-0.04%	(6,285)
DECEMBER	26,740,061	-0.13%	(34,966)
JANUARY 2019	38,289,958	-0.21%	(78,767)
FEBRUARY	38,476,486	-0.21%	(79,150)

**FISCAL YEAR 2019
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 2018	4,707,666	938,578	(3,769,087)	(3,769,087)
OCTOBER	4,778,565	1,416,618	(3,361,947)	(7,131,035)
NOVEMBER	3,854,284	4,209,001	354,716	(6,776,318)
DECEMBER	3,834,404	8,807,347	4,972,943	(1,803,375)
JANUARY 2019	4,790,124	13,887,740	9,097,616	7,294,241
FEBRUARY	4,787,975	13,955,394	9,167,419	16,461,660

INTERRUPTIBLE REVENUE CREDIT
March 1, 2019

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

<u>MONTH</u>	<u>IRC</u> <u>CREDIT</u>	<u>MARGIN</u>	
September-18	Actual \$ (1,546)	\$ 483	
October	Actual \$ (2,115)	\$ 332	
November	Actual \$ (6,285)	\$ 532	
December	Actual \$ (34,966)	\$ 547	
January-19	Estimated \$ (78,767)	\$ 32,973	
February	Estimated \$ (79,150)	\$ 29,780	
Act/Est IRC Credit September 2018 to February 2019	<u>\$ (202,829)</u>		
Act/Est Margin September 2018 to February 2019		<u>\$ 64,647</u>	\$ 64,647

FY 2018 Reconciliation Plus Act/Est Margin September 2018 to February 2019 \$ 82,970

FY 2018 Reconciliation Plus Act/Est Margin September 2018 to February 2019	\$ 82,970	
Act/Est IRC Credit September 2018 to February 2019	<u>\$ (202,829)</u>	
Reconciliation as of February 28, 2019	\$ (119,859)	
Margin - March 2019 through February 2020	<u>\$ 388,747</u>	Schedule 5(b)
March 1, 2019 Interruptible Revenue Credit	\$ 268,888	

GCR Firm Sales **43,599,819** Schedule 2

March 1, 2019 IRC/Mcf **\$ 0.0062**

INTERRUPTIBLE REVENUE MARGIN
2ND QTR FILING

<u>MONTH</u>		<u>MARGIN</u>
March-19	Estimated	\$ 32,973
April	Estimated	\$ 31,905
May	Estimated	\$ 32,973
June	Estimated	\$ 31,908
July	Estimated	\$ 32,973
August	Estimated	\$ 32,969
September	Estimated	\$ 31,821
October	Estimated	\$ 32,882
November	Estimated	\$ 31,818
December	Estimated	\$ 32,881
January-20	Estimated	\$ 32,883
February	Estimated	\$ 30,761
Total		\$ <u>388,747</u>

CALCULATION OF RECOVERED CHARGES
2nd Qtr Filing
March 1, 2019

	<u>50% March</u>	<u>11.5 Months</u>	<u>Total</u>
			(MCF) (\$)
S - Firm Sales (Mcf)	3,108,995	40,490,824	43,599,819
C-Factor	<u>\$ 4.7062</u>	<u>\$ 4.9742</u>	
Projected Recovery	14,631,552	201,409,455	\$ 216,041,008
S - Firm Sales (Mcf)	3,108,995	40,490,824	43,599,819
IRC-Factor	<u>\$ (0.0092)</u>	<u>\$ (0.0059)</u>	
Projected Recovery	(28,603)	(238,896)	\$ (267,499)
E-Factor Volumes (Mcf)	3,108,995	40,490,824	43,599,819
E-Factor	<u>\$ (0.2247)</u>	<u>\$ (0.0904)</u>	
Projected Recovery	(698,591)	(3,660,370)	\$ (4,358,962)
GCR (\$ / Mcf)	\$ 4.4723	\$ 4.8779	
<hr/>			
GCR Projected Recovery			\$ 211,414,547
Load Balancing Revenue			\$ 1,779,692
LNG Sales Demand Revenue			<u>\$ 38,649</u>
TOTAL PROJECTED RECOVERY			\$ 213,232,889

**Change In Rates
2nd Quarter Filing
Rates Effective March 1, 2019**

Current Rates

	<u>12/01/18 Distribution Charge</u> (1)	<u>12/01/18 GCR</u> (2)	<u>12/01/18 MFC</u> (3)	<u>12/01/18 GPC</u> (4)	<u>12/01/18 Commodity Rate</u> (5)=(1)+(2)+(3)+(4)
Residential GS	\$8.1545	\$4.4723	\$0.1682	\$0.0400	\$12.8350
Commercial GS	\$6.3339	\$4.4723	\$0.0277	\$0.0400	\$10.8739
Industrial GS	\$6.1259	\$4.4723	\$0.0174	\$0.0400	\$10.6556
Phila.Housing Authority (PHA)	\$6.4851	\$4.4723	\$0.0000	\$0.0400	\$10.9974
Municipal (MS)	\$5.7000	\$4.4723	\$0.0000	\$0.0400	\$10.2123
Phila.Housing Authority (GS)	\$7.1683	\$4.4723	\$0.0000	\$0.0400	\$11.6806

March 1, 2019 - Distribution Charge

	<u>Delivery Charge</u> (6)	<u>Surcharges</u>				<u>Total Surcharges</u> (11)=(7)+(8)+(9)+(10)	<u>Distribution Charge / Mcf</u> (12)=(11)+(6)
		<u>Other Post Employment Benefit</u> (7)	<u>Efficiency Cost Recovery</u> (8)	<u>Universal Service & Ener. Cons.</u> (9)	<u>Restructuring & Consumer Education</u> (10)		
Residential GS	\$6.6967	\$0.3094	\$0.0219	\$1.6259	\$0.0000	\$1.9572	\$8.6539
Commercial GS	\$4.8651	\$0.3094	\$0.0405	\$1.6259	\$0.0000	\$1.9758	\$6.8409
Industrial GS	\$4.7698	\$0.3094	(\$0.0376)	\$1.6259	\$0.0000	\$1.8977	\$6.6675
Phila.Housing Authority (PHA)	\$5.0163	\$0.3094	\$0.0405	\$1.6259	\$0.0000	\$1.9758	\$6.9921
Municipal (MS)	\$4.2723	\$0.3094	\$0.0000	\$1.6259	\$0.0000	\$1.9353	\$6.2076
Phila.Housing Authority (GS)	\$5.7105	\$0.3094	\$0.0219	\$1.6259	\$0.0000	\$1.9572	\$7.6677

Proposed Rates

	<u>03/01/19 Distribution Charge</u> (12)	<u>03/01/19 GCR</u> (13)	<u>03/01/19 MFC</u> (14)	<u>03/01/19 GPC</u> (15)	<u>03/01/19 Commodity Rate</u> (16)=(12)+(13)+(14)+(15)	<u>Difference</u> (17)=(16)-(5)
Residential GS	\$8.6539	\$4.8779	\$0.1834	\$0.0400	\$13.7552	\$0.9202
Commercial GS	\$6.8409	\$4.8779	\$0.0302	\$0.0400	\$11.7890	\$0.9151
Industrial GS	\$6.6675	\$4.8779	\$0.0190	\$0.0400	\$11.6044	\$0.9488
Phila.Housing Authority (PHA)	\$6.9921	\$4.8779	\$0.0000	\$0.0400	\$11.9100	\$0.9126
Municipal (MS)	\$6.2076	\$4.8779	\$0.0000	\$0.0400	\$11.1255	\$0.9132
Phila.Housing Authority (GS)	\$7.6677	\$4.8779	\$0.0000	\$0.0400	\$12.5856	\$0.9050

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

	Expenses in the Surcharge
Enhanced Low Income Retrofit Program (ELIRP)	\$ 9,650,631
Customer Responsibility Program (CRP)	\$ 61,646,288
Senior Citizen Discount *	\$ 2,614,103
<u>February 2019 Under Collection</u>	<u>\$ 7,206,662</u>
Total \$ to be Recovered	\$ 81,117,683
 Total Applicable Volumes	 Mcf 49,890,055
 Universal Service & Energy Conservation Surcharge	 <u>\$ 1.6259</u>

* This is the Senior Citizen Discount based on the Distribution Charge without the Universal Services Surcharge plus the GCR. This is used to calculate the Universal Services Surcharge. The total senior citizen discount is \$2,917,162.

**STATEMENT OF RECONCILIATION
UNIVERSAL SERVICES & ENERGY CONSERVATION SURCHARGE
SEPTEMBER 2018 THROUGH FEBRUARY 2019**

Month		USC Applicable Volumes	USC Charge	USC Revenue Billed	USC Expenses	Monthly Over/(Under) Recovery	Cumulative Over/(Under) Recovery (\$3,768,681)
FY 18 Reconciliation							
September 2018	Actual	1,098,293	\$ 1.5434	\$ 1,695,106	\$ (1,876,979)	\$ 3,572,085	(\$196,596)
October	Actual	1,511,556	\$ 1.4438	\$ 2,182,385	\$ 335,100	\$ 1,847,285	\$1,650,689
November	Actual	4,238,857	\$ 1.4438	\$ 6,120,062	\$ 4,723,978	\$ 1,396,083	\$3,046,772
December	Actual	7,140,155	\$ 1.2811	\$ 9,146,896	\$ 9,136,000	\$ 10,896	\$3,057,669
January 2019	Estimated	9,743,534	\$ 1.1183	\$ 10,896,194	\$ 15,636,230	\$ (4,740,036)	(\$1,682,368)
February	Estimated	9,701,402	\$ 1.1183	\$ 10,849,077	\$ 16,373,371	\$ (5,524,294)	(\$7,206,662)

USC Expenses	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19
ELIRP Expense	\$ 4,554	\$ 797,695	\$ 437,794	\$ 204,587	\$ 883,973	\$ 883,973
ELIRP Labor	\$ 16,281	\$ 12,938	\$ 21,293	\$ 14,951	\$ 20,510	\$ 20,510
CRP Discount	\$ (1,871,956)	\$ (1,297,656)	\$ 3,128,211	\$ 7,808,615	\$ 13,262,665	\$ 13,971,737
CRP Forgiveness	\$ (109,542)	\$ 711,525	\$ 862,430	\$ 663,925	\$ 889,170	\$ 914,100
Senior Citizen Discount	\$ 83,684	\$ 110,598	\$ 274,251	\$ 443,922	\$ 579,912	\$ 583,051
Bad Debt Expense Offset*	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total	\$ (1,876,979)	\$ 335,100	\$ 4,723,978	\$ 9,136,000	\$ 15,636,230	\$ 16,373,371

CRP Participation				
Rate Case Participation Rate	60,000	60,000	60,000	60,000
Actual Participation Rate*	48,110	49,465	50,609	51,885
CRP Under(Over) Participation	11,890	10,535	9,391	8,115
Average Shortfall Per CRP Participant				
CRP Discount	\$ (1,871,956)	\$ (1,297,656)	\$ 3,128,211	\$ 7,808,615
Actual Participation Rate	48,110	49,465	50,609	51,885
Average Shortfall per CRP Participant	\$ (39)	\$ (26)	\$ 62	\$ 150
Shortfall*	\$ -	\$ -		
Bad Debt Expense Offset* 7.5%	\$ -	\$ -		

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

EFFICIENCY COST RECOVERY (ECR) SURCHARGE
March 1, 2019

<u>Program</u>	<u>Residential & PHA GS</u>	<u>Commercial & PHA</u>	<u>Industrial</u>	<u>Total</u>
Residential Heating Equipment Rebate (RHER)				
Program Expense	\$1,060,930	\$74,825	\$1,218	\$1,136,972
Labor Expense	\$23,208	\$1,687	\$27	\$24,922
Commercial & Industrial Retrofit Incentive (CIRI)				
Program Expense	\$189,502	\$309,501	\$0	\$499,003
Labor Expense	\$4,334	\$7,079	\$0	\$11,413
Commercial & Industrial Equipment Rebate (CIER)				
Program Expense	\$4,044	\$402,885	\$22,476	\$429,405
Labor Expense	\$92	\$8,487	\$516	\$9,094
High-Efficiency Construction Incentive (HECI)				
Program Expense	\$208,467	\$118,277	\$0	\$326,745
Labor Expense	\$4,577	\$2,427	\$0	\$7,005
Comprehensive Residential Retrofit Incentive (CRRI)				
Program Expense	\$0	\$0	\$0	\$0
Labor Expense	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
Total Expense	\$1,495,154	\$925,167	\$24,237	\$2,444,559
Prior Period Reconciliation (2/28/19)	<u>\$ (688,152)</u>	<u>\$ (464,484)</u>	<u>\$ (59,913)</u>	<u>\$ (1,212,548)</u>
Total	\$807,002	\$460,683	-\$35,675	\$1,232,011
Volumes - Mcf (GCR Firm & Firm Transportation)	36,779,085	11,375,893	949,656	

Efficiency Cost Recovery Surcharge / Mcf	\$0.0219	\$0.0405	(\$0.0376)
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**EFFICIENCY COST RECOVERY (ECR) SURCHARGE
STATEMENT OF RECONCILIATION
FISCAL YEAR 2019**

		<u>Actual</u>	<u>Actual</u>	<u>Actual</u>	<u>Actual</u>	<u>Estimated</u>	<u>Estimated</u>
		<u>Sep-18</u>	<u>Oct-18</u>	<u>Nov-18</u>	<u>Dec-18</u>	<u>Jan-19</u>	<u>Feb-19</u>
RESIDENTIAL & PHA GS							
FY 2018 Over-Collection	\$ 402,656						
Volume Billed		692,388	935,081	3,022,500	5,368,832	7,344,799	7,480,988
ECR Surcharge		\$ 0.0189	\$ 0.0198	\$ 0.0198	\$ 0.0250	\$ 0.0301	\$ 0.0301
Revenue Billed		\$ 13,052	\$ 18,515	\$ 59,846	\$ 133,952	\$ 221,078	\$ 225,178
RHER	Expense	\$ 406	\$ 14,240	\$ 13,304	\$ 36,421	\$ 108,831	\$ 108,831
RHER	Labor	\$ 1,451	\$ 1,153	\$ (1,465)	\$ 1,333	\$ 2,263	\$ 2,263
HECI	Expense	\$ 82	\$ 1,656	\$ (1,738)	\$ 6,912	\$ 22,647	\$ 22,647
HECI	Labor	\$ 292	\$ 232	\$ (524)	\$ 268	\$ 484	\$ 484
CRRI	Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CRRI	Labor	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CIRI	Expense	\$ 60	\$ 116	\$ (122)	\$ 9,882	\$ 16,127	\$ 16,127
CIRI	Labor	\$ 216	\$ 171	\$ (387)	\$ 198	\$ 357	\$ 357
CIER	Expense	\$ 1	\$ 49	\$ (50)	\$ 43	\$ 245	\$ 245
CIER	Labor	\$ 3	\$ 2	\$ (6)	\$ 3	\$ 5	\$ 5
Total		\$ 2,511	\$ 17,621	\$ 9,013	\$ 55,060	\$ 150,960	\$ 150,960
Monthly Over/(Under)		\$ 10,540	\$ 894	\$ 50,833	\$ 78,892	\$ 70,118	\$ 74,218
Cumulative Over/(Under)		\$ 413,196	\$ 414,090	\$ 464,923	\$ 543,815	\$ 613,934	\$ 688,152
COMMERCIAL & PHA							
FY 2018 Over-Collection	\$ 355,727						
Volume Billed		363,598	520,737	1,059,369	1,515,558	2,061,649	1,912,629
ECR Surcharge		\$ 0.0503	\$ 0.0529	\$ 0.0529	\$ 0.0470	\$ 0.0411	\$ 0.0411
Revenue Billed		\$ 18,289	\$ 27,547	\$ 56,041	\$ 71,231	\$ 84,734	\$ 78,609
RHER	Expense	\$ 22	\$ 764	\$ (786)	\$ 1,955	\$ 6,028	\$ 6,028
RHER	Labor	\$ 78	\$ 62	\$ (140)	\$ 72	\$ 129	\$ 129
CRRI	Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CRRI	Labor	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CIRI	Expense	\$ 99	\$ 189	\$ (199)	\$ 16,139	\$ 26,340	\$ 26,340
CIRI	Labor	\$ 352	\$ 280	\$ (632)	\$ 324	\$ 584	\$ 584
CIER	Expense	\$ 139	\$ 7,836	\$ 24,635	\$ 6,959	\$ 35,206	\$ 35,206
CIER	Labor	\$ 499	\$ 396	\$ 433	\$ 458	\$ 660	\$ 660
HECI	Expense	\$ 25	\$ 513	\$ 16,530	\$ 2,139	\$ 4,876	\$ 4,876
HECI	Labor	\$ 90	\$ 72	\$ 537	\$ 83	\$ 62	\$ 62
Total		\$ 1,304	\$ 10,112	\$ 40,378	\$ 28,128	\$ 73,886	\$ 73,886
Monthly Over/(Under)		\$ 16,985	\$ 17,435	\$ 15,662	\$ 43,103	\$ 10,848	\$ 4,723
Cumulative Over/(Under)		\$ 372,712	\$ 390,147	\$ 405,809	\$ 448,913	\$ 459,761	\$ 464,484
INDUSTRIAL							
FY 2018 Over-Collection	\$ 77,349						
Volume Billed		30,295	43,023	89,550	119,894	174,062	150,620
ECR Surcharge		\$ 0.0531	\$ 0.0566	\$ 0.0566	\$ (0.0075)	\$ (0.0716)	\$ (0.0716)
Revenue Billed		\$ 1,609	\$ 2,435	\$ 5,069	\$ (899)	\$ (12,463)	\$ (10,784)
RHER	Expense	\$ 0	\$ 17	\$ (17)	\$ 43	\$ 132	\$ 132
RHER	Labor	\$ 2	\$ 1	\$ (3)	\$ 2	\$ 3	\$ 3
CIRI	Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CIRI	Labor	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CIER	Expense	\$ 3	\$ 187	\$ (190)	\$ 166	\$ 936	\$ 936
CIER	Labor	\$ 12	\$ 9	\$ (21)	\$ 11	\$ 20	\$ 20
Total		\$ 17	\$ 214	\$ (232)	\$ 221	\$ 1,091	\$ 1,091
Monthly Over/(Under)		\$ 1,591	\$ 2,221	\$ 5,300	\$ (1,120)	\$ (13,553)	\$ (11,875)
Cumulative Over/(Under)		\$ 78,940	\$ 81,161	\$ 86,461	\$ 85,341	\$ 71,788	\$ 59,913

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

Storage and Peaking Asset Cost	\$ 20,635,507
Design Day Requirements (Mcf)	676,643
Fulfilled from FT Capacity (Mcf)	<u>296,713</u>
Fulfilled from Storage and Peaking Assets (Excess Mcf)	379,930
Annual Storage and Peaking Cost per Excess Mcf	\$ 54.3140
Per Mcf Over / (Under) Adjustment	\$ <u>(0.1502)</u>
Load Balancing Charge	\$ 54.4642

Over / (Under) Recovery	\$ (56,749)
Interest	\$ <u>(5,091)</u>
Total Over/(Under) Recovery	\$ (61,840)
Forecasted SSPC Volumes	411,722
Per Mcf Over / (Under) Adjustment	\$ (0.1502)

Natural Gas Prices Used for PGW's - FY 2018-2019 - 2nd Quarter GCR Filing

Basis Differentials

	TRANSCO					TETCO						NYMEX	TRANSCO										
	Sta 30	Sta 45	Sta 65	Sta. 85	Zone 6-Non-NY	ELA	WLA	STX	M-1	M-2	Dom.S.Pt.	Futures 01/16/19 Close	Sta 30	Sta 45	Sta 65	Sta. 85	Zone 6-Non-NY	ELA	WLA	STX	M-1	M-2	
2019:1												2.790											
2019:2	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.13)	(0.10)	(0.21)	(0.42)	3.384		3.27	3.24	3.36	3.37	3.45	3.32	3.30	3.25	3.28	3.17
2019:3	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.13)	(0.10)	(0.21)	(0.42)	3.147		3.04	3.01	3.13	3.14	3.22	3.09	3.07	3.02	3.05	2.94
2019:4	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.13)	(0.10)	(0.21)	(0.42)	2.833		2.72	2.69	2.81	2.82	2.90	2.77	2.75	2.70	2.73	2.62
2019:5	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.13)	(0.10)	(0.21)	(0.42)	2.797		2.69	2.66	2.78	2.79	2.87	2.74	2.72	2.67	2.70	2.59
2019:6	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.13)	(0.10)	(0.21)	(0.42)	2.835		2.73	2.70	2.82	2.83	2.91	2.78	2.76	2.71	2.74	2.63
2019:7	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.13)	(0.10)	(0.21)	(0.42)	2.872		2.76	2.73	2.85	2.86	2.94	2.81	2.79	2.74	2.77	2.66
2019:8	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.13)	(0.10)	(0.21)	(0.42)	2.868		2.76	2.73	2.85	2.86	2.94	2.81	2.79	2.74	2.77	2.66
2019:9	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.13)	(0.10)	(0.14)	(0.42)	2.840		2.73	2.70	2.82	2.83	2.91	2.78	2.76	2.71	2.74	2.70
2019:10	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.13)	(0.10)	(0.14)	(0.42)	2.866		2.76	2.73	2.85	2.86	2.94	2.81	2.79	2.74	2.77	2.73
2019:11	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.13)	(0.10)	(0.14)	(0.42)	2.914		2.80	2.77	2.89	2.90	2.98	2.85	2.83	2.78	2.81	2.77
2019:12	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.13)	(0.10)	(0.14)	(0.42)	3.063		2.95	2.92	3.04	3.05	3.13	3.00	2.98	2.93	2.96	2.92
2020:1	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.13)	(0.10)	(0.14)	(0.42)	3.157		3.05	3.02	3.14	3.15	3.23	3.10	3.08	3.03	3.06	3.02
2020:2	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.13)	(0.10)	(0.14)	(0.42)	3.083		2.97	2.94	3.06	3.07	3.15	3.02	3.00	2.95	2.98	2.94

Actual Natural Gas Billed

	<u>Oct-18</u>	<u>Nov-18</u>	<u>Dec-18</u>
Williams	\$ 2,570,448.31	\$ 2,105,559.37	\$ 2,254,317.82
Texas Eastern	\$ 2,270,035.88	\$ 1,486,070.64	\$ 1,531,985.00
Dominion	\$ 129,097.64	\$ 132,100.54	\$ 133,516.93
Equitrans	\$ -	\$ -	\$ -
Spot Purchases -Transco	\$ 378.08	\$ 35,204.42	\$ 168,497.14
Spot Purchases -Tetco	\$ -	\$ -	\$ -
Transco Supply2	\$ 410,750.00	\$ 961,500.00	\$ 1,238,450.00
Transco Supply3	\$ -	\$ -	\$ -
Transco Supply6	\$ 412,300.00	\$ 950,250.00	\$ 1,462,425.00
Transco Supply7	\$ 859,320.00	\$ 950,250.00	\$ 1,465,525.00
Transco Supply8	\$ 1,504,244.68	\$ -	\$ -
Transco Supply10	\$ -	\$ -	\$ -
Transco Supply12	\$ -	\$ -	\$ -
Transco Supply14	\$ 856,180.35	\$ 945,000.00	\$ 2,925,625.00
Transco Supply17	\$ -	\$ -	\$ -
Transco Supply20	\$ -	\$ -	\$ -
Transco Supply21	\$ -	\$ -	\$ -
Transco Supply22	\$ -	\$ -	\$ -
Transco Supply23	\$ -	\$ -	\$ -
Transco Supply24	\$ -	\$ -	\$ -
Transco Supply25	\$ -	\$ -	\$ -
Transco Supply26	\$ -	\$ -	\$ -
Transco Supply27	\$ -	\$ -	\$ -
Transco Supply28	\$ -	\$ -	\$ -
Transco Supply29	\$ 410,362.50	\$ 508,500.00	\$ 525,450.00
Transco Supply30	\$ 431,312.50	\$ 3,018,735.00	\$ 3,877,276.00
Transco Supply31	\$ -	\$ -	\$ -
Transco Supply32	\$ -	\$ -	\$ -
Transco Supply33	\$ -	\$ -	\$ -
Transco Supply34	\$ -	\$ 472,640.00	\$ 601,395.50
Transco Supply35	\$ -	\$ -	\$ -
Transco Supply36	\$ 2,004,813.52	\$ 1,888,000.00	\$ 2,100,900.00
Tetco Supply1	\$ 733,925.00	\$ -	\$ -
Tetco Supply2	\$ -	\$ -	\$ -
Tetco Supply3	\$ -	\$ 1,329,660.90	\$ 1,686,900.00
Tetco Supply4	\$ -	\$ -	\$ -
Tetco Supply5	\$ -	\$ -	\$ 1,025,600.38
Tetco Supply7	\$ -	\$ -	\$ -
Tetco Supply13	\$ -	\$ -	\$ -
Tetco Supply14	\$ -	\$ -	\$ -
Tetco Supply16	\$ 733,925.00	\$ 831,750.00	\$ 1,327,575.00
Tetco Supply17	\$ -	\$ -	\$ -
Tetco Supply18	\$ -	\$ -	\$ -
Tetco Supply19	\$ -	\$ -	\$ -
Tetco Supply20	\$ -	\$ -	\$ -
Tetco Supply21	\$ -	\$ -	\$ -
Tetco Supply22	\$ -	\$ -	\$ -
Tetco Supply23	\$ -	\$ -	\$ -
Tetco Supply24	\$ 847,088.50	\$ 2,228,500.00	\$ 2,261,175.00
Tetco Supply25	\$ -	\$ 418,875.00	\$ 666,887.50
Tetco Supply26	\$ 877,604.38	\$ 1,246,202.55	\$ 1,992,525.00
Tetco Supply27	\$ -	\$ -	\$ -
Tetco Supply28	\$ 367,195.00	\$ 1,663,500.00	\$ 2,655,150.00
Tetco Supply29	\$ -	\$ -	\$ -
Tetco Supply30	\$ -	\$ -	\$ -
Tetco Supply31	\$ -	\$ -	\$ -
Total Costs	\$ 15,418,981	\$ 21,172,298	\$ 29,901,176
Sharing Mechanism	\$ 68,351	\$ 390,540	\$ 403,558
Asset Management Agreement	\$ -	\$ -	\$ -
Off System Sales	\$ -	\$ -	\$ -
Gas Transportation Purchases	\$ -	\$ -	\$ -
Adjustment/Reconciliation	\$ 169,882	\$ 115,333	\$ (348,372)
Total Natural Gas Billed	\$ 15,657,214	\$ 21,678,171	\$ 29,956,362

**Philadelphia Gas Works
Summary of Fuels Purchased
Three Months Ending December 2018**

	<u>Actual</u>				<u>Projected 4th Qtr Filing Oct-18</u>	<u>Projected 1st Qtr Filing Nov-18</u>	<u>Projected 1st Qtr Filing Dec-18</u>	<u>Total</u>	<u>Actual Over/Under vs Projected</u>			
	<u>Oct-18</u>	<u>Nov-18</u>	<u>Dec-18</u>	<u>Total</u>					<u>Oct-18</u>	<u>Nov-18</u>	<u>Dec-18</u>	<u>Total</u>
Total Natural Gas Billed	\$ 15,657,214	\$ 21,678,171	\$ 29,956,362	\$ 67,291,747	\$ 15,309,314	\$ 18,490,947	\$ 22,013,485	\$ 55,813,745	\$ 347,900	\$ 3,187,224	\$ 7,942,877	\$ 11,478,002
Less Imbalance Charge	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Less Interruptible Credit	\$ 4,053	\$ 4,701	\$ 5,504	\$ 14,258	\$ 23,445	\$ -	\$ 137,107	\$ 160,552	\$ (19,392)	\$ 4,701	\$ (131,603)	\$ (146,294)
Gas Used For Utility	\$ 38,944	\$ 101,346	\$ 146,265	\$ 286,555	\$ 30,249	\$ 59,735	\$ 108,378	\$ 198,362	\$ 8,695	\$ 41,611	\$ 37,887	\$ 88,193
	\$ 15,614,217	\$ 21,572,124	\$ 29,804,593	\$ 66,990,934	\$ 15,255,620	\$ 18,431,212	\$ 21,768,000	\$ 55,454,832	\$ 358,597	\$ 3,140,912	\$ 8,036,593	\$ 11,536,102
Pipeline Storages												
(To)	\$ (3,274,721)	\$ (1,097,822)	\$ (1,748,628)	\$ (6,121,171)	\$ (4,820,715)	\$ (1,342,492)	\$ -	\$ (6,163,207)	\$ 1,545,994	\$ 244,670	\$ (1,748,628)	\$ 42,036
From	\$ 139,371	\$ 3,182,955	\$ 4,455,785	\$ 7,778,111	\$ 349,752	\$ 1,402,779	\$ 7,140,920	\$ 8,893,451	\$ (210,381)	\$ 1,780,176	\$ (2,685,135)	\$ (1,115,340)
Net Pipeline Storages	\$ (3,135,350)	\$ 2,085,133	\$ 2,707,157	\$ 1,656,940	\$ (4,470,963)	\$ 60,287	\$ 7,140,920	\$ 2,730,244	\$ 1,335,613	\$ 2,024,846	\$ (4,433,763)	\$ (1,073,304)
LNG Storage												
(To)	\$ (843,257)	\$ (1,253,656)	\$ (1,109,266)	\$ (3,206,179)	\$ (589,760)	\$ (1,142,617)	\$ (1,138,405)	\$ (2,870,782)	\$ (253,497)	\$ (111,039)	\$ 29,139	\$ (335,397)
From	\$ 257,517	\$ 324,541	\$ 278,854	\$ 860,912	\$ 236,799	\$ 230,840	\$ 1,131,435	\$ 1,599,073	\$ 20,718	\$ 93,701	\$ (852,581)	\$ (738,161)
Net LNG Storage	\$ (585,740)	\$ (929,115)	\$ (830,412)	\$ (2,345,267)	\$ (352,961)	\$ (911,777)	\$ (6,971)	\$ (1,271,709)	\$ (232,779)	\$ (17,338)	\$ (823,441)	\$ (1,073,558)
Net Natural Gas	\$ 11,893,127	\$ 22,728,142	\$ 31,681,338	\$ 66,302,607	\$ 10,431,696.62	\$ 17,579,721	\$ 28,901,950	\$ 56,913,367	\$ 1,461,430	\$ 5,148,421	\$ 2,779,388	\$ 9,389,240
APPLICABLE GCR EXPENSES												
Net Natural Gas Expense	\$ 11,893,127	\$ 22,728,142	\$ 31,681,338	\$ 66,302,607	\$ 10,431,697	\$ 17,579,721	\$ 28,901,950	\$ 56,913,367	\$ 1,461,430	\$ 5,148,421	\$ 2,779,388	\$ 9,389,240
Purchased Electric & Misc	\$ 1,285	\$ 61,349	\$ 56,807	\$ 119,441	\$ 34,349	\$ 43,151	\$ 53,795	\$ 131,295	\$ (33,064)	\$ 18,198	\$ 3,012	\$ (11,854)
Total GCR Expenses	\$ 11,894,412	\$ 22,789,491	\$ 31,738,145	\$ 66,422,048	\$ 10,466,046	\$ 17,622,872	\$ 28,955,744	\$ 57,044,662	\$ 1,428,366	\$ 5,166,619	\$ 2,782,401	\$ 9,377,386