



PHILADELPHIA GAS WORKS

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November 30, 2018

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 (1st Quarter 2018-2019 GCR Filing)
Docket No. R-2018-2645938**

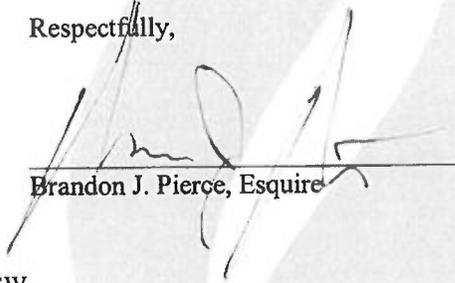
Dear Secretary Chiavetta:

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. 117; and
- 2) PGW Gas Supplier Tariff, Pa. P.U.C. No. 1, Supplement No. 79.

These supplements are being filed to implement PGW's 1st Quarter 2018-2019 Gas Cost Rate ("GCR"). The tariff supplements are to become effective on one day's notice on December 1, 2018. 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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Brandon J. Pierce, Esquire

Dated: November 30, 2018

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

Supplement No. 117

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 2.9 percent, effective December 1, 2018.

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

In the definition of "GAC," the GAC value effective December 1, 2018, increases from \$(0.02894) per Ccf to \$(0.02247) 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, 2018, increases from \$0.00017 per Ccf to \$0.00092 per Ccf. In the definition of "SSC," the "SSC" value effective December 1, 2018, increases from \$0.41544 per Ccf to \$0.47062 per Ccf.

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

The Gas Cost Rate (GCR) effective December 1, 2018, increases from \$0.38633 per Ccf to \$0.44723 per Ccf.

PRICE TO COMPARE (Page No. 78)

The Prices to Compare effective December 1, 2018, are: a) \$0.46897 per Ccf for Residential; b) \$0.45492 per Ccf for Commercial Customers on Rate GS; c) \$0.45389 per Ccf for Industrial Customers on Rate GS; and d) \$0.45215 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, 2018, are: a) \$0.00301 per Ccf for Residential and Public Housing Customers on Rate GS; b) \$0.00411 per Ccf for Commercial Customers on Rate GS; c) \$(0.00716) per Ccf for Industrial Customers on Rate GS; d) \$0.00000 per Ccf for Municipal Customers on Rate MS; and e) \$0.00411 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, 2018, decreases from \$0.14438 per Ccf to \$0.11183 per Ccf.

GENERAL SERVICE – RATE GS (Page No. 83)

The Gas Cost Rate (GCR) effective December 1, 2018, increases from \$0.38633 per Ccf to \$0.44723 per Ccf.

MUNICIPAL SERVICE – RATE MS (Page No. 87)

The Gas Cost Rate (GCR) effective December 1, 2018, increases from \$0.38633 per Ccf to \$0.44723 per Ccf.

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

The Gas Cost Rate (GCR) effective December 1, 2018, increases from \$0.38633 per Ccf to \$0.44723 per Ccf.

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

The Gas Cost Rate (GCR) effective December 1, 2018, increases from \$0.38633 per Ccf to \$0.44723 per Ccf.

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Philadelphia Gas Works

UNACCOUNTED FOR GAS (for the purpose of calculating retainage) – Unaccounted for gas is the difference in the amount of gas delivered to the Company's distribution system and the amount billed to customers. The current Lost and Unaccounted for Gas and Retainage Rate percentage is 2.9%. The percentage changes annually on December 1st and is based upon actual data for the preceding 12 months ending August 31st.

(D)

(D) - Decrease

GAS COST RATE (GCR) -- SECTION 1307(f)

I. PROVISION FOR ADJUSTMENT

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

II. DEFINITIONS

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

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

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

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

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

GAC (Gas Adjustment Charge) - The "E" factor component of the GCR, representing the net overcollection or undercollection of Natural Gas and other raw materials costs. The currently effective GAC is \$(0.01907) per Ccf for Commodity Costs and \$(0.00340) per Ccf for Demand Costs, for service on or after December 1, 2018. The total GAC is \$(0.02247) 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 \$0.00092 per Ccf for service on or after December 1, 2018. (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 \$0.30841 per Ccf for Commodity Costs and \$0.16221 per Ccf for Demand Costs, for service on or after December 1, 2018. The total SSC is \$0.47062 per Ccf. (I)

(I) – Increase

PHILADELPHIA GAS WORKS

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 \$0.44723 per Ccf, for service on or after December 1, 2018. (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	\$0.47062	\$0.47062	\$0.47062	\$0.47062	\$0.47062	\$0.47062	\$0.47062
GAC	(\$0.02247)	(\$0.02247)	(\$0.02247)	(\$0.02247)	(\$0.02247)	(\$0.02247)	(\$0.02247)
MFC	\$0.01682	\$0.00000	\$0.00277	\$0.00174	\$0.00000	\$0.00000	\$0.00000
GPC	\$0.00400	\$0.00400	\$0.00400	\$0.00400	\$0.00400	\$0.00400	\$0.00400
PTC	\$0.46897	\$0.45215	\$0.45492	\$0.45389	\$0.45215	\$0.45215	\$0.45215

(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) \$0.00301 per Ccf for Residential and Public Housing Customers on Rate GS;
- b) \$0.00411 per Ccf for Commercial Customers on Rate GS;
- c) \$(0.00716) per Ccf for Industrial Customers on Rate GS;
- d) \$0.00000 per Ccf for Municipal Customers on Rate MS; and
- e) \$0.00411 per Ccf for The Philadelphia Housing Authority on Rate PHA.

(I)
 (D)
 (D)
 (NC)
 (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 = \$ 0.11183/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, 2018.

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):

\$0.44723	per Ccf for Residential and Public Housing	(I)
\$0.44723	per Ccf for Commercial Customers	(I)
\$0.44723	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 December 1, 2018.

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):

\$0.44723 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 December 1, 2018.

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):

\$0.44723 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
December 1, 2018.

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):

\$0.44723 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. 79

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 December 1, 2018, is \$39.9378 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 \$39.9378 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:

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

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

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DECEMBER 1, 2018

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Philadelphia Gas Works

Levelized Gas Cost Rate

December 1, 2018

Formula:
GCR = SSC + GAC - IRC

where:

	<u>Demand</u>	<u>Commodity</u>	<u>Total</u>	
S = Firm Sales (Mcf)			44,027,379	Schedule 2
Net Natural Gas Expense	\$ 64,199,700	\$ 132,443,385	\$ 196,643,085	
Purchased Electric & Misc Expenses	\$ -	\$ 657,627	\$ 657,627	
Total Natural Gas Expense	\$ 64,199,700	\$ 133,101,013	\$ 197,300,713	Schedule 3
C-Factor Reconciliation	\$ 7,131,888	\$ 2,520,744	\$ 9,652,632	Schedule 7(b)
C = Total Applicable GCR Expense	\$ 71,331,588	\$ 135,621,757	\$ 206,953,345	
SSC = C / S	\$ 1.6202	\$ 3.0804	\$ 4.7006	
Adjustment For:				
E-Factor Volumes (Mcf)			39,044,523	
E-Factor Reconciliation	\$ (1,521,616)	\$ (8,541,980)	\$ (10,063,595)	Schedule 7(c)
E = E-Factor	\$ (0.0390)	\$ (0.2188)	\$ (0.2577)	
Interruptible Revenue Credit			\$ 386,079	Schedule 4(a)
IRC = Interruptible Revenue Credit / S			\$ 0.0088	
Net Applicable GCR Expenses = C + E - Interruptible Revenue Credit			\$ 196,503,670	
<u>GCR = SSC + GAC - IRC</u>			\$ 4.4341	
SSC in effect 12/01/18	\$ 1.6221	\$ 3.0841	\$ 4.7062	
GAC in effect 12/01/18	\$ (0.0340)	\$ (0.1907)	\$ (0.2247)	
IRC in effect 12/01/18			\$ (0.0092)	
GCR in effect 12/01/18			\$ 4.4723	Schedule 8
Recovery Test on:				
Firm Sales (Mcf)			44,027,379	
= GCR Projected Recovery		\$	195,289,268	
= Load Balancing Revenue		\$	1,212,580	
= LNG Sales Demand Revenue		\$	-	
= Total Projected Recovery		\$	196,501,847	Schedule 8
Compared To				
Net Applicable GCR Expenses		\$	196,503,670	
= Net Over/(Under) Recovery		\$	(1,823)	
Degree Days			3,956	

Philadelphia Gas Works

Price To Compare (\$ / MCF)

December 1, 2018

	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	\$4.4723	(\$0.2339)	\$4.7062	3.76%	\$0.1682	\$0.0400	(\$0.2247)	\$4.6897
Commercial GS	\$4.4723	(\$0.2339)	\$4.7062	0.62%	\$0.0277	\$0.0400	(\$0.2247)	\$4.5492
Industrial GS	\$4.4723	(\$0.2339)	\$4.7062	0.39%	\$0.0174	\$0.0400	(\$0.2247)	\$4.5389
Phila. Housing Authority (PHA)	\$4.4723	(\$0.2339)	\$4.7062	0.00%	\$0.0000	\$0.0400	(\$0.2247)	\$4.5215
Municipal (MS)	\$4.4723	(\$0.2339)	\$4.7062	0.00%	\$0.0000	\$0.0400	(\$0.2247)	\$4.5215
NGV Firm	\$4.4723	(\$0.2339)	\$4.7062	0.00%	\$0.0000	\$0.0400	(\$0.2247)	\$4.5215
Phila. Housing Authority (GS)	\$4.4723	(\$0.2339)	\$4.7062	0.00%	\$0.0000	\$0.0400	(\$0.2247)	\$4.5215

SALES & VOLUMES

DECEMBER 2018 THROUGH NOVEMBER 2019

MONTH	TOTAL VOLUMES		FIRM TRANSPORT VOLUMES		BILLED SALES		INTERRUPTIBLE SALES		LNG SALES		AIR CONDITIONING SALES		GCR FIRM SALES		SENIOR CITIZEN DISCOUNT SALES		APPLICABLE VOLUMES	
	1	2	3 = (1 - 2)	4	4A	4B	5 = (3 - 4 - 4A - 4B)	6	7 = (5 - 6 + 2)									
DECEMBER 2018	6,102,060	757,851	5,344,209	42,466	-	-	5,301,743	25,104	6,034,490									
JANUARY 2019	11,093,973	1,198,814	9,895,158	42,466	-	-	9,852,693	48,062	11,003,445									
FEBRUARY	9,328,475	1,003,989	8,324,486	38,356	-	-	8,286,129	39,817	9,250,302									
MARCH	7,131,459	794,721	6,336,738	42,466	-	-	6,294,272	29,353	7,059,641									
APRIL	4,914,714	521,819	4,392,895	41,096	-	-	4,351,799	19,923	4,853,694									
MAY	2,240,290	270,544	1,969,746	42,466	-	-	1,927,280	7,908	2,189,915									
JUNE	1,360,299	201,635	1,158,664	41,096	-	121	1,117,447	3,700	1,315,383									
JULY	1,229,027	186,379	1,042,648	42,466	-	712	999,471	3,196	1,182,654									
AUGUST	1,128,595	171,061	957,533	42,466	-	1,379	913,689	2,894	1,081,856									
SEPTEMBER	1,087,997	167,302	920,695	41,096	-	627	878,972	2,764	1,043,511									
OCTOBER	1,546,705	250,713	1,295,992	42,466	-	331	1,253,196	4,171	1,499,738									
NOVEMBER	3,338,395	446,610	2,891,785	41,096	-	-	2,850,689	11,160	3,286,140									
TOTAL	50,501,989	5,971,439	44,530,549	500,000	-	3,170	44,027,379	198,051	49,800,768									

**Projected Applicable Fuel Expense
December 1, 2018 GCR Filing**

	DECEMBER 2018	JANUARY 2019	FEBRUARY 2019	MARCH 2019	APRIL 2019	MAY 2019	JUNE 2019	JULY 2019	AUGUST 2019	SEPTEMBER 2019	OCTOBER 2019	NOVEMBER 2019	TOTAL
NATURAL GAS BILLED													
DEMAND CHARGE	\$4,913,174	\$4,910,136	\$4,914,338	\$5,785,116	\$5,701,320	\$5,692,282	\$5,694,130	\$5,685,127	\$5,681,549	\$4,971,004	\$5,031,900	\$5,219,623	\$84,199,700
COMMODITY CHARGE	\$17,100,311	\$17,132,823	\$18,106,587	\$13,627,226	\$10,732,042	\$10,771,345	\$8,353,451	\$8,129,807	\$8,184,624	\$8,216,688	\$10,824,992	\$12,137,894	\$140,317,790
TOTAL NATURAL GAS BILLED	\$22,013,485	\$22,042,968	\$20,020,925	\$19,412,342	\$16,433,362	\$16,463,628	\$14,047,581	\$13,814,934	\$13,866,174	\$13,187,692	\$15,856,892	\$17,357,517	\$204,517,489
INTERRUPTIBLE & A/C CREDIT	\$137,107	\$135,387	\$121,613	\$127,355	\$110,343	\$108,089	\$98,389	\$104,370	\$106,137	\$104,295	\$117,852	\$118,837	\$1,389,774
SENDOUT VOLUME IN MCF	43,734	43,734	39,502	43,734	42,323	43,734	42,448	44,467	45,164	42,969	44,075	42,323	518,199
DKT CONVERSION FACTOR	1.039	1.039	1.039	1.039	1.039	1.039	1.039	1.039	1.039	1.039	1.039	1.039	1.039
PRICE /DKT	\$3.0173	\$2.9795	\$2.9631	\$2.8027	\$2.5093	\$2.3787	\$2.2309	\$2.2590	\$2.2623	\$2.3361	\$2.5735	\$2.7024	
GAS USED FOR UTILITY	\$106,378	\$157,470	\$119,302	\$88,238	\$65,989	\$24,424	\$21,811	\$17,505	\$20,360	\$24,368	\$31,237	\$53,366	\$732,450
NATURAL GAS TO STORAGE	\$0	\$0	\$0	(\$54,635)	(\$3,392,564)	(\$6,800,530)	(\$6,296,066)	(\$6,003,580)	(\$6,059,233)	(\$5,857,176)	(\$4,584,324)	\$0	(\$39,048,100)
FROM STORAGE PGW	\$7,140,920	\$11,102,271	\$8,417,522	\$5,217,513	\$1,376,566	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$33,561,723
FT FROM STORAGE	\$433,361	\$668,944	\$444,604	\$106,129	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,195	\$1,647,234
NET NATURAL GAS STORAGE	\$7,140,920	\$11,102,271	\$8,417,522	\$5,162,878	(\$2,015,899)	(\$6,800,530)	(\$6,296,066)	(\$6,003,580)	(\$6,059,233)	(\$5,857,176)	(\$4,584,324)	\$306,832	(\$5,486,376)
LNG TO STORAGE	(\$1,138,405)	(\$1,160,874)	(\$1,012,049)	(\$1,124,367)	(\$675,037)	(\$311,272)	(\$16,623)	\$0	\$0	(\$8,459)	(\$443,982)	(\$961,317)	(\$6,852,386)
FROM LNG PGW	\$1,131,435	\$1,828,023	\$1,319,510	\$257,879	\$249,792	\$273,943	\$248,851	\$257,135	\$257,135	\$248,839	\$266,784	\$247,256	\$6,586,562
FT FROM LNG	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
NET LNG STORAGE	(\$6,971)	\$667,149	\$307,461	(\$866,488)	(\$425,245)	(\$37,330)	\$232,228	\$257,135	\$257,135	\$240,380	(\$177,197)	(\$714,060)	(\$285,803)
LNG SALES FROM LNG TANK	\$0	\$0	\$0										
SENDOUT VOLUMES (MCF)	0	0	0	0	0	0	0	0	0	0	0	0	0
@ AVG LNG COMMODITY RATE	\$2.9121	\$2.9848	\$3.0668	\$3.1184	\$3.1369	\$3.1246	\$3.1181	\$3.1178	\$3.1178	\$3.1178	\$3.1177	\$3.1128	\$0
NET NATURAL GAS EXPENSE	\$28,901,950	\$33,519,521	\$28,504,992	\$23,493,138	\$13,815,886	\$9,493,256	\$7,863,552	\$7,946,614	\$7,937,579	\$7,442,231	\$10,946,281	\$16,778,087	\$196,643,086
APPLICABLE GCR EXPENSE	\$28,901,950	\$33,519,521	\$28,504,992	\$23,493,138	\$13,815,886	\$9,493,256	\$7,863,552	\$7,946,614	\$7,937,579	\$7,442,231	\$10,946,281	\$16,778,087	\$196,643,086
NET NATURAL GAS EXPENSE	\$53,795	\$76,937	\$64,308	\$56,691	\$45,603	\$36,951	\$24,960	\$39,374	\$30,928	\$30,256	\$32,572	\$35,234	\$532,627
PURCHASED ELECTRIC & MISC	\$0	\$126,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$126,000
PLANALYTICS													
TOTAL APPLICABLE EXPENSES	\$28,955,744	\$33,721,457	\$28,569,300	\$23,549,829	\$13,861,489	\$9,532,206	\$7,888,531	\$7,986,988	\$7,968,507	\$7,472,487	\$10,978,653	\$16,816,320	\$197,300,713
TOTAL GCR FIRM SALES	5,301,743	9,852,693	8,286,129	6,294,272	4,351,799	1,927,280	1,117,447	999,471	913,689	878,972	1,253,196	2,850,689	44,027,379

INTERRUPTIBLE REVENUE CREDIT
December 1, 2018

Fiscal Year 2018 Reconciliation (8/31/18) \$ 18,323 Schedule 4(c)

<u>MONTH</u>	<u>IRC CREDIT</u>	<u>MARGIN</u>	
September-18	Actual \$ (1,546)	\$ 845	
October	Actual \$ (2,115)	\$ 694	
November	Estimated \$ (5,125)	\$ -	
Act/Est IRC Credit September 2018 to November 2018	<u>\$ (8,786)</u>		
Act/Est Margin September 2018 to November 2018		<u>\$ 1,539</u>	<u>\$ 1,539</u>
FY 2018 Reconciliation Plus Act/Est Margin September 2018 to November 2018			<u>\$ 19,862</u>
FY 2018 Reconciliation Plus Act/Est Margin September 2018 to November 2018			\$ 19,862
Act/Est IRC Credit September 2018 to November 2018			<u>\$ (8,786)</u>
Reconciliation as of November 30, 2018			\$ 11,076
Margin - December 2018 through November 2019			<u>\$ 375,004</u> Schedule 4(b)
December 1, 2018 Interruptible Revenue Credit			\$ 386,079

GCR Firm Sales **44,027,379** Schedule 2

December 1, 2018 IRC/Mcf \$ 0.0088

INTERRUPTIBLE REVENUE MARGIN
December 1, 2018

<u>MONTH</u>		<u>MARGIN</u>
December-18	Estimated	\$ 31,848
January-19	Estimated	\$ 31,851
February	Estimated	\$ 28,765
March	Estimated	\$ 31,851
April	Estimated	\$ 30,823
May	Estimated	\$ 31,849
June	Estimated	\$ 30,821
July	Estimated	\$ 31,849
August	Estimated	\$ 31,849
September	Estimated	\$ 30,822
October	Estimated	\$ 31,851
November	Estimated	\$ 30,824
Total		\$ <u>375,004</u>

**INTERRUPTIBLE REVENUE CREDIT
FINALIZED RECONCILIATION FY 2018**

Fiscal Year 2017 Reconciliation (8/31/17) \$ 108,827

<u>MONTH</u>	<u>IRC CREDIT</u>	<u>MARGIN</u>	
September-17	Actual \$ (2,766)	\$ 880	
October	Actual \$ (2,718)	\$ 13,263	
November	Actual \$ (6,882)	\$ 990	
December	Actual \$ (16,438)	\$ 1,566	
January-18	Actual \$ (31,887)	\$ 1,848	
February	Actual \$ (22,023)	\$ 1,899	
March	Actual \$ (14,126)	\$ 508	
April	Actual \$ (8,747)	\$ 611	
May	Actual \$ (3,522)	\$ 454	
June	Actual \$ (1,785)	\$ 258	
July	Actual \$ (1,488)	\$ 498	
August	Actual \$ (1,366)	\$ 471	
Actual IRC Credit September 2017 to August 2018	<u>\$ (113,748)</u>		
Actual Margin September 2017 to August 2018		<u>\$ 23,244</u>	<u>\$ 23,244</u>
FY 2017 Reconciliation Plus Actual Margin September 2017 to August 2018			<u>\$ 132,071</u>
<hr/>			
FY 2017 Reconciliation Plus Actual Margin September 2017 to August 2018			\$ 132,071
Actual IRC Credit September 2017 to August 2018			<u>\$ (113,748)</u>
Reconciliation as of August 31, 2018			\$ 18,323

**FISCAL YEAR 2018
PHILADELPHIA GAS WORKS
INTEREST CALCULATION**

MONTH	NET COST OF FUEL (1)	TOTAL C FACTOR REVENUE BILLED (1)	OVER/ (UNDER) RECOVERY 3 = (2 - 1)	INTEREST RATE 4	TIME FACTOR 5	INTEREST EXPENSE 6 = (3*4*5)	INTEREST NATURAL GAS REFUNDS (2) 7	TOTAL INTEREST 8 = (6+7)
	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)
SEPTEMBER 17	6,660,769	4,575,045	(2,085,724)	4.50%	18/12	(140,786)	-	(140,786)
OCTOBER	7,858,969	4,519,957	(3,339,012)	4.50%	17/12	(212,862)	-	(212,862)
NOVEMBER	17,769,207	11,281,392	(6,487,815)	4.50%	16/12	(389,269)	-	(389,269)
DECEMBER	27,095,257	25,914,621	(1,180,636)	4.50%	15/12	(66,411)	-	(66,411)
JANUARY 18	33,708,079	48,894,514	15,186,435	4.50%	14/12	797,288	-	797,288
FEBRUARY	22,699,166	33,740,059	11,040,893	4.50%	13/12	538,244	-	538,244
MARCH	23,436,643	26,045,287	2,608,644	4.50%	12/12	117,389	-	117,389
APRIL	14,299,108	21,434,264	7,135,156	4.50%	11/12	294,325	-	294,325
MAY	8,990,555	8,698,306	(292,249)	4.50%	10/12	(10,959)	-	(10,959)
JUNE	7,387,676	4,312,045	(3,075,631)	4.50%	9/12	(103,803)	-	(103,803)
JULY	7,433,255	3,485,280	(3,947,975)	4.50%	8/12	(118,439)	-	(118,439)
AUGUST	8,289,071	3,211,718	(5,077,353)	4.50%	7/12	(133,281)	-	(133,281)
Total	185,627,755	196,112,489	10,484,734			571,436	-	571,436

(1) See Schedule 6(b)

(2) See Schedule 5(c)

**FISCAL YEAR 2018
PHILADELPHIA GAS WORKS
INTEREST ON NATURAL GAS REFUNDS**

<u>MONTH</u>	NATURAL GAS REFUNDS ⁽¹⁾	INTEREST RATE	TIME FACTOR	INTEREST ON REFUNDS
	1	2	3	4=(1*2*3)
	(\$)			(\$)
SEPTEMBER 17	0	6.00%	18/12	0
OCTOBER	0	6.00%	17/12	0
NOVEMBER	0	6.00%	16/12	0
DECEMBER	0	6.00%	15/12	0
JANUARY 18	0	6.00%	14/12	0
FEBRUARY	0	6.00%	13/12	0
MARCH	0	6.00%	12/12	0
APRIL	0	6.00%	11/12	0
MAY	0	6.00%	10/12	0
JUNE	0	6.00%	9/12	0
JULY	0	6.00%	8/12	0
AUGUST	0	6.00%	7/12	0
TOTAL	0			0

**FISCAL YEAR 2018
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 (9)	TOTAL INTEREST (10=(8+9))
	(\$)	(\$)	(\$)			(\$)	(\$)	(\$)	(\$)	(\$)
SEPTEMBER 17	(2,085,724)	(3,711,922)	1,626,197	4.50%	18/12	(250,555)	109,768	(140,786)	0	(140,786)
OCTOBER	(3,339,012)	(3,716,178)	377,167	4.50%	17/12	(236,906)	24,044	(212,862)	0	(212,862)
NOVEMBER	(6,487,815)	(1,198,920)	(5,288,895)	4.50%	16/12	(71,935)	(317,334)	(389,269)	0	(389,269)
DECEMBER	(1,180,636)	3,585,853	(4,766,489)	4.50%	15/12	201,704	(268,115)	(66,411)	0	(66,411)
JANUARY 18	15,186,435	11,136,367	4,050,068	4.50%	14/12	584,659	212,629	797,288	0	797,288
FEBRUARY	11,040,893	6,449,082	4,591,811	4.50%	13/12	314,393	223,851	538,244	0	538,244
MARCH	2,608,644	3,181,258	(572,614)	4.50%	12/12	143,157	(25,768)	117,389	0	117,389
APRIL	7,135,156	345,668	6,789,489	4.50%	11/12	14,259	280,066	294,325	0	294,325
MAY	(292,249)	(2,780,088)	2,487,840	4.50%	10/12	(104,253)	93,294	(10,959)	0	(10,959)
JUNE	(3,075,631)	(3,712,132)	636,501	4.50%	9/12	(125,284)	21,482	(103,803)	0	(103,803)
JULY	(3,947,975)	(3,874,277)	(73,698)	4.50%	8/12	(116,228)	(2,211)	(118,439)	0	(118,439)
AUGUST	(5,077,353)	(3,975,206)	(1,102,147)	4.50%	7/12	(104,349)	(28,931)	(133,281)	0	(133,281)
TOTAL FY 2018	10,484,734	1,729,504	8,755,230			248,660	322,776	571,436	0	571,436

FISCAL YEAR 2018
PHILADELPHIA GAS WORKS

Rate	7/1/2017	9/1/2017	10/1/2017	12/1/2017	1/1/2018	3/1/2018	4/1/2018	6/1/2018	7/1/2018
SSC in Effect	\$ 4,6924	\$ 4,4557	\$ 4,2189	\$ 4,4734	\$ 4,7279	\$ 4,3145	\$ 3,9010	\$ 3,7664	\$ 3,6317
GAC in Effect	\$ (0.0099)	\$ (0.0775)	\$ (0.0640)	\$ (0.0488)	\$ (0.0335)	\$ (0.0236)	\$ (0.0137)	\$ (0.0114)	\$ (0.0091)
IRC in Effect	\$ (0.0029)	\$ (0.0028)	\$ (0.0025)	\$ (0.0025)	\$ (0.0031)	\$ (0.0024)	\$ (0.0015)	\$ (0.0015)	\$ (0.0015)
Total Effective	\$ 4,6896	\$ 4,3765	\$ 4,1523	\$ 4,4218	\$ 4,6913	\$ 4,2885	\$ 3,8857	\$ 3,7534	\$ 3,6210
Percentage of Total	102.0%	101.8%	101.6%	101.2%	100.8%	100.6%	100.4%	100.3%	100.3%
C-Factor	-2.0%	-1.8%	-1.5%	-1.1%	-0.7%	-0.6%	-0.4%	-0.3%	-0.3%
E-Factor	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	0.0%	0.0%	0.0%
Total	100%	100%	100%	100%	100%	100%	100%	100%	100%

C-Factor	E-Factor	Interest	FY 2017						
Demand Charge in Effect	\$ 1,1565	\$ 1,2182	\$ 1,2798	\$ 1,3879	\$ 1,4959	\$ 1,2253	\$ 0,9547	\$ 0,9191	\$ 0,8635
Commodity in Effect	\$ 3,5359	\$ 3,2375	\$ 2,9391	\$ 3,0856	\$ 3,2320	\$ 3,0892	\$ 2,9463	\$ 2,8473	\$ 2,7482
Total	\$ 4,6924	\$ 4,4557	\$ 4,2189	\$ 4,4734	\$ 4,7279	\$ 4,3145	\$ 3,9010	\$ 3,7664	\$ 3,6317
Percentage of Total	24.5%	27.3%	30.3%	31.0%	31.6%	28.4%	24.5%	24.4%	24.3%
Demand Charge in Effect	75.4%	72.7%	69.7%	69.0%	68.4%	71.6%	75.5%	75.6%	75.7%
Commodity in Effect	100%	100%	100%	100%	100%	100%	100%	100%	100%

C-Factor	E-Factor	Interest	FY 2017	
Over/(Under)	\$ 1,654,251	\$ (45,457)	\$ 224,857	\$ 1,833,651

Actual	Sep-2017	Oct-2017	Nov-2017	Dec-2017	Jan-2018	Feb-2018	Mar-2018	Apr-2018	May-2018	Jun-2018	Jul-2018	Aug-2018	FY-2018
Fiscal Year 2017-2018	\$ 4,000,671	\$ 4,340,618	\$ 10,991,382	\$ 25,504,332	\$ 48,255,247	\$ 33,328,279	\$ 25,778,813	\$ 21,242,258	\$ 8,554,511	\$ 4,188,053	\$ 3,366,599	\$ 3,090,390	\$ 193,041,152
Migration Rider Revenue Billed	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Load Balancing Billed	\$ 93,712	\$ 109,718	\$ 113,717	\$ 112,668	\$ 110,288	\$ 109,440	\$ 110,484	\$ 108,365	\$ 107,415	\$ 108,842	\$ 108,034	\$ 112,196	\$ 1,304,978
LNG Sales Demand Charge Credit	\$ -	\$ -	\$ -	\$ -	\$ 152,507	\$ 42,323	\$ -	\$ -	\$ -	\$ 644	\$ 700	\$ -	\$ 196,872
Total Revenue Billed	\$ 4,494,383	\$ 4,450,337	\$ 11,105,098	\$ 25,616,999	\$ 48,518,042.16	\$ 33,480,042.51	\$ 25,889,297.25	\$ 21,350,622.60	\$ 8,664,622.83	\$ 4,297,539.47	\$ 3,475,331.83	\$ 3,202,586.35	\$ 194,544,901.67
Natural Gas Refunds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Demand Charges	\$ 5,020,130	\$ 5,162,832	\$ 4,690,409	\$ 4,507,314	\$ 4,518,663	\$ 4,333,024	\$ 4,437,763	\$ 4,978,567	\$ 4,991,162	\$ 4,842,221	\$ 4,803,903	\$ 4,841,833	\$ 57,127,841
Supply Charges	\$ 1,640,639	\$ 2,696,137	\$ 13,078,798	\$ 22,587,943	\$ 29,189,416	\$ 18,356,142	\$ 18,988,680	\$ 9,320,521	\$ 3,993,393	\$ 2,545,455	\$ 2,629,352	\$ 3,447,238	\$ 128,499,914
Net Cost of Fuel	\$ 6,660,769	\$ 7,858,969	\$ 17,769,207	\$ 27,095,257	\$ 33,708,079	\$ 22,699,166	\$ 23,436,643	\$ 14,299,108	\$ 8,990,555	\$ 7,387,676	\$ 7,433,255	\$ 8,289,071	\$ 185,627,755

**FISCAL YEAR 2018
PHILADELPHIA GAS WORKS
C-FACTOR RECONCILIATION**

MONTH	NET COST OF FUEL	TOTAL GCR REVENUE BILLED	C FACTOR % of GCR	C FACTOR REVENUE BILLED	LOAD BALANCING REVENUE	LNG SALES GCR BILLED REVENUE	TOTAL C FACTOR REVENUE BILLED	NATURAL GAS REFUNDS	OVER/(UNDER) RECOVERY	CUMULATIVE OVER/(UNDER)
	1	2	3	4 = (2 * 3)	5	6	7 = (4 + 5 + 6)	8	9 = (7 + 8 - 1)	10
	(\$)	(\$)		(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)
SEPTEMBER 2017	6,660,769	4,400,671	101.8%	4,481,333	93,712	0	4,575,045	0	(2,085,724)	(2,085,724)
OCTOBER	7,858,969	4,340,618	101.6%	4,410,239	109,718	0	4,519,957	0	(3,339,012)	(5,424,736)
NOVEMBER	17,769,207	10,991,382	101.6%	11,167,676	113,717	0	11,281,392	0	(6,487,815)	(11,912,551)
DECEMBER	27,095,257	25,504,332	101.2%	25,801,953	112,668	0	25,914,621	0	(1,180,636)	(13,093,187)
JANUARY 2018	33,708,079	48,255,247	100.8%	48,631,719	110,288	152,507	48,894,514	0	15,186,435	2,093,249
FEBRUARY	22,699,166	33,328,279	100.8%	33,586,295	109,440	42,323	33,740,059	0	11,040,893	13,134,142
MARCH	23,436,643	25,778,813	100.6%	25,934,802	110,484	0	26,045,287	0	2,608,644	15,742,785
APRIL	14,299,108	21,242,258	100.4%	21,325,900	108,365	0	21,434,264	0	7,135,156	22,877,941
MAY	8,990,555	8,554,511	100.4%	8,588,194	107,415	2,697	8,698,306	0	(292,249)	22,585,693
JUNE	7,387,676	4,188,053	100.3%	4,202,559	108,842	644	4,312,045	0	(3,075,631)	19,510,062
JULY	7,433,255	3,366,599	100.3%	3,376,547	108,034	700	3,485,280	0	(3,947,975)	15,562,087
AUGUST	8,289,071	3,090,390	100.3%	3,099,522	112,196	0	3,211,718	0	(5,077,353)	10,484,734
Total	185,627,755	193,041,152		194,608,740	1,304,878	198,872	196,112,489	0	10,484,734	

**FISCAL YEAR 2018
PHILADELPHIA GAS WORKS
E-FACTOR RECONCILIATION**

MONTH	PRIOR YEAR E-FACTOR		TOTAL E-FACTOR		TOTAL GCR		E-FACTOR % of GCR 4	E-FACTOR REVENUE BILLED 5=(3*4) (\$)	OVER/(UNDER) PROJECTED RECOVERY 6 (\$)
	1 (MCF)	2 (MCF)	3 REVENUE BILLED (\$)	4 REVENUE BILLED (\$)	5 REVENUE BILLED (\$)	6 RECOVERY (\$)			
SEPTEMBER 2017	Actual	997,001	\$ 4,400,671						
OCTOBER	Actual	1,044,644	\$ 4,340,618						
NOVEMBER	Actual	2,639,297	\$ 10,991,382						
DECEMBER	Actual	5,750,261	\$ 25,504,332						
JANUARY 2018	Actual	10,289,615	\$ 48,255,247						
FEBRUARY	Actual	7,106,319	\$ 33,328,279						
MARCH	Actual	6,127,916	\$ 25,778,813						
APRIL	Actual	5,463,381	\$ 21,242,258						
MAY	Actual	2,200,651	\$ 8,554,511						
JUNE	Actual	1,110,437	\$ 4,188,053						
JULY	Actual	929,137	\$ 3,366,599						
AUGUST	Actual	853,912	\$ 3,090,390						
TOTAL		44,512,571	193,041,152						

MONTH

SEPTEMBER 2017

OCTOBER

NOVEMBER

DECEMBER

JANUARY 2018

FEBRUARY

MARCH

APRIL

MAY

JUNE

JULY

AUGUST

TOTAL

PRIOR YEAR E-FACTOR

(MCF)

(MCF)

(MCF)

(MCF)

\$ 1,833,651

\$ (77,896)

\$ (66,903)

\$ (169,412)

\$ (281,183)

\$ (344,585)

\$ (237,993)

\$ (141,863)

\$ (74,895)

\$ (30,161)

\$ (12,720)

\$ (8,461)

\$ (7,767)

\$ (1,453,839)

-1.8%

-1.5%

-1.5%

-1.1%

-0.7%

-0.7%

-0.6%

-0.4%

-0.4%

-0.3%

-0.3%

-0.3%

\$

\$ 1,755,754

\$ 1,688,852

\$ 1,519,440

\$ 1,238,257

\$ 893,672

\$ 655,679

\$ 513,815

\$ 438,921

\$ 408,760

\$ 396,039

\$ 387,579

\$ 379,812

**FISCAL YEAR 2018
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 2017	4,400,671	-0.06%	(2,766)
OCTOBER	4,340,618	-0.06%	(2,718)
NOVEMBER	10,991,382	-0.06%	(6,882)
DECEMBER	25,504,332	-0.06%	(16,438)
JANUARY 2018	48,255,247	-0.07%	(31,887)
FEBRUARY	33,328,279	-0.07%	(22,023)
MARCH	25,778,813	-0.05%	(14,126)
APRIL	21,242,258	-0.04%	(8,747)
MAY	8,554,511	-0.04%	(3,522)
JUNE	4,188,053	-0.04%	(1,785)
JULY	3,366,599	-0.04%	(1,488)
AUGUST	<u>3,090,390</u>	-0.04%	<u>(1,366)</u>
TOTALS	193,041,152		(113,748)

**FISCAL YEAR 2018
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 2017	4,926,418	1,214,497	(3,711,922)	(3,711,922)
OCTOBER	5,053,114	1,336,935	(3,716,178)	(7,428,100)
NOVEMBER	4,576,692	3,377,772	(1,198,920)	(8,627,020)
DECEMBER	4,394,646	7,980,500	3,585,853	(5,041,167)
JANUARY 2018	4,255,868	15,392,235	11,136,367	6,095,200
FEBRUARY	4,181,261	10,630,343	6,449,082	12,544,282
MARCH	4,327,279	7,508,536	3,181,258	15,725,540
APRIL	4,870,222	5,215,890	345,668	16,071,207
MAY	4,881,050	2,100,962	(2,780,088)	13,291,119
JUNE	4,732,735	1,020,603	(3,712,132)	9,578,987
JULY	4,695,170	820,893	(3,874,277)	5,704,710
AUGUST	<u>4,729,637</u>	<u>754,431</u>	<u>(3,975,206)</u>	1,729,504
TOTALS	55,624,092	57,353,596	1,729,504	

ACTUAL / ESTIMATED DATA - FISCAL YEAR 2019
PHILADELPHIA GAS WORKS

Rate	7/1/2018	9/1/2018	10/1/2018	12/1/2018	1/1/2019
SSC in Effect	\$ 3,6317	\$ 3,8931	\$ 4,1544	\$ 4,4303	\$ 4,7062
GAC in Effect	\$ (0,0091)	\$ (0,1493)	\$ (0,2894)	\$ (0,2571)	\$ (0,2247)
IRC in Effect	\$ (0,0016)	\$ (0,0017)	\$ (0,0017)	\$ (0,0055)	\$ (0,0092)
Total Effective	\$ 3,6210	\$ 3,7422	\$ 3,8633	\$ 4,1678	\$ 4,4723

Percentage of Total	7/1/2018	9/1/2018	10/1/2018	12/1/2018	1/1/2019
C-Factor	100.3%	104.0%	107.5%	106.3%	105.2%
E-Factor	-0.3%	-4.0%	-7.5%	-6.2%	-5.0%
IRC-Factor	0.0%	0.0%	0.0%	-0.1%	-0.2%
Total	100%	100%	100%	100%	100%

C-Factor	7/1/2018	9/1/2018	10/1/2018	12/1/2018	1/1/2019
Demand Charge in Effect	\$ 0,8835	\$ 1,0108	\$ 1,1382	\$ 1,3801	\$ 1,6221
Commodity in Effect	\$ 2,7482	\$ 2,8822	\$ 3,0162	\$ 3,0502	\$ 3,0841
Total	\$ 3,6317	\$ 3,8930	\$ 4,1544	\$ 4,4303	\$ 4,7062

Percentage of Total	7/1/2018	9/1/2018	10/1/2018	12/1/2018	1/1/2019
Demand Charge in Effect	24.3%	26.0%	27.4%	31.2%	34.5%
Commodity in Effect	75.7%	74.0%	72.6%	68.8%	65.5%
Total	100%	100%	100%	100%	100%

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

Actual	Sep-2018	Oct-2018	Fiscal Year 2018-2019
Fiscal Year 2018-2019	Actual	Actual	Actual
GCR Firm Sales	928,526	1,244,665	
Migration Rider Sales	-	-	
GCR Revenue Billed	\$ 3,506,061	\$ 4,806,212	
Migration Rider Revenue Billed	\$ -	\$ -	
Load Balancing Billed	\$ 118,414	\$ 111,261	
LNG Sales Demand Charge Credit	\$ -	\$ -	
Total Revenue Billed	\$ 3,624,475	\$ 4,917,473	
Natural Gas Refunds	\$ -	\$ 2,638	
Demand Charges	\$ 4,826,933	\$ 4,889,826	
Supply Charges	\$ 1,979,402	\$ 7,004,586	
Net Cost of Fuel	\$ 6,806,335	\$ 11,894,412	

FISCAL YEAR 2019
PHILADELPHIA GAS WORKS
C-FACTOR RECONCILIATION

MONTH	NET COST OF FUEL	TOTAL GCR REVENUE BILLED	C FACTOR % of GCR	C FACTOR REVENUE BILLED	LOAD BALANCING REVENUE	LNG SALES GCR BILLED REVENUE	TOTAL C FACTOR REVENUE BILLED	NATURAL GAS REFUNDS	OVER/(UNDER) RECOVERY	CUMULATIVE OVER/(UNDER)
	1	2	3	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	0	3,765,855	0	(3,040,480)	(3,040,480)
OCTOBER	11,894,412	4,806,212	107.5%	5,168,361	111,261	0	5,279,622	2,638	(6,612,152)	(9,652,632)

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

PRIOR YEAR E-FACTOR MONTH	GCR SALES		TOTAL E-FACTOR VOLUMES		TOTAL GCR REVENUE BILLED		E-FACTOR % of GCR		E-FACTOR REVENUE BILLED		OVER/(UNDER) PROJECTED RECOVERY	
	1	(MCF)	2	(MCF)	3	(\$)	4		5=(3*4)	(\$)	6	(\$)
SEPTEMBER 2018	Actual	928,526	928,526		\$ 3,506,061							
OCTOBER	Actual	1,244,665	1,244,665		\$ 4,806,212		-4.0%				\$ 11,296,148	
NOVEMBER	Estimated	3,014,925	3,014,925		\$ 11,647,561		-7.5%				\$ 10,936,115	
DECEMBER	Estimated	5,301,743	5,301,743		\$ 22,096,603						\$ 1,435,982	
JANUARY	Estimated	9,852,693	9,852,693		\$ 44,064,197						\$ (139,834)	
FEBRUARY	Estimated	8,286,129	8,286,129		\$ 37,058,057						\$ (360,034)	
MARCH	Estimated	6,294,272	6,294,272		\$ 28,149,874						\$ (872,519)	
APRIL	Estimated	4,351,799	4,351,799		\$ 19,462,551						\$	
MAY	Estimated	1,927,280	1,927,280		\$ 8,619,374						\$	
JUNE	Estimated	1,117,447	1,117,447		\$ 4,997,560						\$	
JULY	Estimated	999,471	999,471		\$ 4,469,933						\$	
AUGUST	Estimated	913,689	913,689		\$ 4,086,290						\$	
TOTAL		39,044,523	39,044,523		\$ 173,004,440						\$	

DECEMBER 1, 2018 E-FACTOR
-0.2577

5 = (Col 1 * -.2577)

\$ (1,366,506)
\$ (2,539,499)
\$ (2,135,722)
\$ (1,622,328)
\$ (1,121,662)
\$ (496,750)
\$ (288,018)
\$ (257,610)
\$ (235,500)
\$ (10,063,595)

**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)

**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	4,708,519	938,578	(3,769,941)	(3,769,941)
OCTOBER	4,778,565	1,416,618	(3,361,947)	(7,131,888)

CALCULATION OF RECOVERED CHARGES
1ST Qtr Filing
December 1, 2018

	<u>50% December</u>	<u>11.5 Months</u>	<u>Total</u>
			(MCF) (\$)
S - Firm Sales (Mcf)	2,650,871	41,376,508	44,027,379
C-Factor	\$ 4.1544	\$ 4.7062	
Projected Recovery	11,012,780	194,726,121	\$ 205,738,901
S - Firm Sales (Mcf)	2,650,871	41,376,508	44,027,379
IRC-Factor	\$ (0.0017)	\$ (0.0092)	
Projected Recovery	(4,506)	(380,664)	\$ (385,170)
E-Factor Volumes (Mcf)	2,650,871	41,376,508	44,027,379
E-Factor	\$ (0.2894)	\$ (0.2247)	
Projected Recovery	(767,162)	(9,297,301)	\$ (10,064,463)
GCR (\$ / Mcf)	\$ 3.8633	\$ 4.4723	
<hr/>			
GCR Projected Recovery			\$ 195,289,268
Load Balancing Revenue			\$ 1,212,580
LNG Sales Demand Revenue			\$ -
TOTAL PROJECTED RECOVERY			\$ 196,501,847

Change In Rates
1st Quarter Filing
Rates Effective December 1, 2018

Current Rates

	09/01/18 <u>Distribution Charge</u> (1)	09/01/18 <u>GCR</u> (2)	09/01/18 <u>MFC</u> (3)	09/01/18 <u>GPC</u> (4)	09/01/18 Commodity <u>Rate</u> (5)=(1)+(2)+(3)+(4)
Residential GS	\$8.4697	\$3.8633	\$0.1453	\$0.0400	\$12.5183
Commercial GS	\$6.6712	\$3.8633	\$0.0240	\$0.0400	\$10.5985
Industrial GS	\$6.5796	\$3.8633	\$0.0151	\$0.0400	\$10.4980
Phila.Housing Authority (PHA)	\$6.8224	\$3.8633	\$0.0000	\$0.0400	\$10.7257
Municipal (MS)	\$6.0255	\$3.8633	\$0.0000	\$0.0400	\$9.9288
Phila.Housing Authority (GS)	\$7.4835	\$3.8633	\$0.0000	\$0.0400	\$11.3868

December 1, 2018 - 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	\$0.0301	\$1.1183	\$0.0000	\$1.4578	\$8.1545
Commercial GS	\$4.8651	\$0.3094	\$0.0411	\$1.1183	\$0.0000	\$1.4688	\$6.3339
Industrial GS	\$4.7698	\$0.3094	(\$0.0716)	\$1.1183	\$0.0000	\$1.3561	\$6.1259
Phila.Housing Authority (PHA)	\$5.0163	\$0.3094	\$0.0411	\$1.1183	\$0.0000	\$1.4688	\$6.4851
Municipal (MS)	\$4.2723	\$0.3094	\$0.0000	\$1.1183	\$0.0000	\$1.4277	\$5.7000
Phila.Housing Authority (GS)	\$5.7105	\$0.3094	\$0.0301	\$1.1183	\$0.0000	\$1.4578	\$7.1683

Proposed Rates

	12/01/18 <u>Distribution Charge</u> (12)	12/01/18 <u>GCR</u> (13)	12/01/18 <u>MFC</u> (14)	12/01/18 <u>GPC</u> (15)	12/01/18 Commodity <u>Rate</u> (16)=(12)+(13)+(14)+(15)	<u>Difference</u> (17)=(16)-(5)
Residential GS	\$8.1545	\$4.4723	\$0.1682	\$0.0400	\$12.8350	\$0.3167
Commercial GS	\$6.3339	\$4.4723	\$0.0277	\$0.0400	\$10.8739	\$0.2754
Industrial GS	\$6.1259	\$4.4723	\$0.0174	\$0.0400	\$10.6556	\$0.1576
Phila.Housing Authority (PHA)	\$6.4851	\$4.4723	\$0.0000	\$0.0400	\$10.9974	\$0.2717
Municipal (MS)	\$5.7000	\$4.4723	\$0.0000	\$0.0400	\$10.2123	\$0.2835
Phila.Housing Authority (GS)	\$7.1683	\$4.4723	\$0.0000	\$0.0400	\$11.6806	\$0.2938

PHILADELPHIA GAS WORKS
DECEMBER 1, 2018
UNIVERSAL SERVICE & ENERGY CONSERVATION SURCHARGE

	Expenses in the Surcharge
Enhanced Low Income Retrofit Program (ELIRP)	\$ 9,459,907
Customer Responsibility Program (CRP)	\$ 46,739,675
Senior Citizen Discount *	\$ 2,758,699
<u>November 2018 Over Collection</u>	<u>\$ (3,266,533)</u>
Total \$ to be Recovered	\$ 55,691,748
 Total Applicable Volumes	 Mcf 49,799,152
 Universal Service & Energy Conservation Surcharge	 <u><u>\$ 1.1183</u></u>

* This is the Senior Citizen Discount based on the Distribution Charge without the Universal Services Surcharge plus the GCR. This is used to calculate the Universal Services Surcharge. The total senior citizen discount is \$2,997,797.

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

Month	FY 18 Reconciliation	USC		USC		USC		Cumulative Over/(Under) Recovery
		Applicable Volumes	Charge	Revenue Billed	Expenses	Over/(Under) Recovery	Over/(Under) Recovery	
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	Estimated	3,459,111	\$ 1,4438	\$ 4,994,264	\$ 3,378,420	\$ 1,615,844	\$3,266,533	

	Sep-18	Oct-18	Nov-18
USC Expenses			
ELIRP Expense	\$ 4,554	\$ 797,695	\$ 796,417
ELIRP Labor	\$ 16,281	\$ 12,938	\$ 20,032
CRP Discount	\$ (1,871,956)	\$ (1,297,656)	\$ 1,727,912
CRP Forgiveness	\$ (109,542)	\$ 711,525	\$ 665,550
Senior Citizen Discount	\$ 83,684	\$ 110,598	\$ 168,509
Bad Debt Expense Offset*	\$ -	\$ -	\$ -
Total	\$ (1,876,979)	\$ 335,100	\$ 3,378,420

CRP Participation	
Rate Case Participation Rate	84,000
Actual Participation Rate*	48,110
CRP Under(Over) Participation	35,890
Average Shortfall Per CRP Participant	
CRP Discount	\$ (1,871,956) \$ (1,297,656)
Actual Participation Rate	48,110
Average Shortfall per CRP Participant	\$ (39) \$ (26)
Shortfall*	\$ - \$ -
Bad Debt Expense Offset*	\$ - \$ -

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

EFFICIENCY COST RECOVERY (ECR) SURCHARGE
December 1, 2018

<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	\$1,032,309	\$63,783	\$1,187	\$1,097,278
Labor Expense	\$20,990	\$1,324	\$24	\$22,338
Commercial & Industrial Retrofit Incentive (CIRI)				
Program Expense	\$171,269	\$279,723	\$0	\$450,992
Labor Expense	\$3,498	\$5,714	\$0	\$9,212
Commercial & Industrial Equipment Rebate (CIER)				
Program Expense	\$3,043	\$377,743	\$15,147	\$395,933
Labor Expense	\$65	\$7,819	\$331	\$8,215
High-Efficiency Construction Incentive (HECI)				
Program Expense	\$207,735	\$97,574	\$0	\$305,309
Labor Expense	\$4,091	\$2,034	\$0	\$6,124
Comprehensive Residential Retrofit Incentive (CRRI)				
Program Expense	\$0	\$0	\$0	\$0
Labor Expense	\$0	\$0	\$0	\$0
Total Expense	\$1,443,000	\$835,713	\$16,690	\$2,295,402
Prior Period Reconciliation (11/31/18)	\$ (335,151)	\$ (369,981)	\$ (84,706)	\$ (789,839)
Total	\$1,107,848	\$465,732	-\$68,017	\$1,505,563
Volumes - Mcf (GCR Firm & Firm Transportation)	36,759,964	11,322,503	949,915	
Efficiency Cost Recovery Surcharge / Mcf	\$0.0301	\$0.0411	(\$0.0716)	

**EFFICIENCY COST RECOVERY (ECR) SURCHARGE
STATEMENT OF RECONCILIATION
FISCAL YEAR 2019**

	Actual Sep-18	Actual Oct-18	Estimated Nov-18
RESIDENTIAL & PHALGS			
FY 2018 Over-Collection	\$ 402,666		
Volume Billed	692,388	935,081	2,457,080
ECR Surcharge	\$ 0.0189	\$ 0.0198	\$ 0.0198
Revenue Billed	\$ 13,052	\$ 18,515	\$ 48,650
RHER	\$ 406	\$ 14,240	\$ 92,038
RHER Labor	\$ 1,451	\$ 1,153	\$ 1,797
HECI	\$ 82	\$ 1,656	\$ 19,049
HECI Labor	\$ 292	\$ 232	\$ 362
CRRI	\$ -	\$ -	\$ -
CRRI Labor	\$ -	\$ -	\$ -
CIRI	\$ 60	\$ 116	\$ 13,878
CIRI Labor	\$ 216	\$ 171	\$ 267
CIER	\$ 1	\$ 49	\$ 195
CIER Labor	\$ 3	\$ 2	\$ 4
Total	\$ 2,511	\$ 17,621	\$ 127,589
Monthly Over/(Under)	\$ 10,540	\$ 894	\$ (78,939)
Cumulative Over/(Under)	\$ 413,196	\$ 414,090	\$ 335,151
COMMERCIAL & PHA			
FY 2018 Over-Collection	\$ 355,727		
Volume Billed	363,598	520,737	868,075
ECR Surcharge	\$ 0.0503	\$ 0.0529	\$ 0.0529
Revenue Billed	\$ 18,289	\$ 27,547	\$ 45,921
RHER	\$ 22	\$ 764	\$ 4,939
RHER Labor	\$ 78	\$ 62	\$ 96
CRRI	\$ -	\$ -	\$ -
CRRI Labor	\$ -	\$ -	\$ -
CIRI	\$ 99	\$ 189	\$ 22,666
CIRI Labor	\$ 352	\$ 280	\$ 436
CIER	\$ 139	\$ 7,836	\$ 31,324
CIER Labor	\$ 499	\$ 396	\$ 617
HECI	\$ 25	\$ 513	\$ 5,896
HECI Labor	\$ 90	\$ 72	\$ 112
Total	\$ 1,304	\$ 10,112	\$ 66,087
Monthly Over/(Under)	\$ 16,985	\$ 17,435	\$ (20,166)
Cumulative Over/(Under)	\$ 372,712	\$ 390,147	\$ 369,981
INDUSTRIAL			
FY 2018 Over-Collection	\$ 77,349		
Volume Billed	30,295	43,023	78,036
ECR Surcharge	\$ 0.0531	\$ 0.0566	\$ 0.0566
Revenue Billed	\$ 1,609	\$ 2,435	\$ 4,417
RHER	\$ 0	\$ 17	\$ 108
RHER Labor	\$ 2	\$ 1	\$ 2
CIRI	\$ -	\$ -	\$ -
CIRI Labor	\$ -	\$ -	\$ -
CIER	\$ 3	\$ 187	\$ 746
CIER Labor	\$ 12	\$ 9	\$ 15
Total	\$ 17	\$ 214	\$ 871
Monthly Over/(Under)	\$ 1,591	\$ 2,221	\$ 3,545
Cumulative Over/(Under)	\$ 78,940	\$ 81,161	\$ 84,706

**EFFICIENCY COST RECOVERY (ECR) SURCHARGE
STATEMENT OF RECONCILIATION
SEPTEMBER 2017 - AUGUST 2018**

	Actual Sep-17	Actual Oct-17	Actual Nov-17	Actual Dec-17	Actual Jan-18	Actual Feb-18	Actual Mar-18	Actual Apr-18	Actual May-18	Actual Jun-18	Actual Jul-18	Actual Aug-18	Total FY 2018
RESIDENTIAL & PHA GS													
FY 2017 Over-Collection	\$ 423,608												
Volume Billed	741,149	774,207	2,072,645	4,741,689	8,580,658	5,886,716	5,027,436	4,524,624	1,774,058	855,824	690,326	628,898	36,298,230
ECR Surcharge	\$ 0.0175	\$ 0.0196	\$ 0.0196	\$ 0.0211	\$ 0.0225	\$ 0.0225	\$ 0.0199	\$ 0.0173	\$ 0.0173	\$ 0.0176	\$ 0.0179	\$ 0.0179	\$ 0.0179
Revenue Billed	\$ 12,970	\$ 15,174	\$ 40,624	\$ 99,813	\$ 193,065	\$ 132,451	\$ 100,046	\$ 78,276	\$ 30,691	\$ 15,063	\$ 12,357	\$ 11,257	\$ 741,787
RHER													
Expense	\$ -	\$ 73,271	\$ 88,391	\$ 18,813	\$ 57,321	\$ 89,579	\$ 11,077	\$ (17,047)	\$ 31,153	\$ 81,785	\$ 9,357	\$ 48,284	\$ 491,964
Labor	\$ 1,393	\$ 1,349	\$ 3,656	\$ 1,693	\$ 1,379	\$ 6,501	\$ 1,812	\$ 1,453	\$ 2,413	\$ 1,810	\$ 1,810	\$ (9,761)	\$ 15,128
HECI													
Expense	\$ -	\$ 11,587	\$ 13,873	\$ 55	\$ 2,679	\$ 37,948	\$ 1,377	\$ (913)	\$ 9,353	\$ 19,630	\$ 2,800	\$ 34,771	\$ 133,160
Labor	\$ 220	\$ 213	\$ 389	\$ 268	\$ 218	\$ 1,755	\$ 287	\$ 230	\$ 593	\$ 226	\$ 226	\$ (605)	\$ 4,080
ECR													
Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Labor	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PHAS													
Expense	\$ -	\$ 15,653	\$ 9,894	\$ 75	\$ 18,778	\$ 81,349	\$ 1,827	\$ (2,226)	\$ (676)	\$ 2,480	\$ 2,480	\$ (19,113)	\$ 115,331
Labor	\$ 298	\$ 288	\$ 144	\$ 362	\$ 295	\$ 5,716	\$ 387	\$ 310	\$ (282)	\$ 387	\$ 306	\$ (4,868)	\$ 3,342
HECI													
Expense	\$ -	\$ 695	\$ 4,617	\$ 543	\$ 473	\$ 404	\$ 107	\$ 450	\$ 1,851	\$ 1,223	\$ (153)	\$ (10,467)	\$ (257)
Labor	\$ 13	\$ 13	\$ 255	\$ 16	\$ 13	\$ 62	\$ 17	\$ 14	\$ 80	\$ 17	\$ 14	\$ (523)	\$ (10)
Total	\$ 1,924	\$ 103,070	\$ 121,220	\$ 21,823	\$ 81,156	\$ 223,314	\$ 16,890	\$ (17,729)	\$ 44,483	\$ 112,408	\$ 16,459	\$ 37,720	\$ 762,738
Monthly Over/(Under)	\$ 11,046	\$ (87,895)	\$ (80,596)	\$ 77,989	\$ 111,909	\$ (90,863)	\$ 83,156	\$ 96,005	\$ (13,792)	\$ (97,345)	\$ (4,103)	\$ (26,463)	
Cumulative Over/(Under)	\$ 434,653	\$ 346,758	\$ 266,162	\$ 344,151	\$ 456,060	\$ 365,197	\$ 448,353	\$ 544,358	\$ 630,566	\$ 433,221	\$ 429,119	\$ 402,656	
COMMERCIAL & PHA													
FY 2017 Over-Collection	\$ 479,880												
Volume Billed	377,460	409,934	845,153	1,352,842	2,236,980	1,582,385	1,484,817	1,231,192	590,323	385,045	353,539	344,963	11,194,633
ECR Surcharge	\$ 0.0494	\$ 0.0407	\$ 0.0407	\$ 0.0440	\$ 0.0472	\$ 0.0472	\$ 0.0441	\$ 0.0410	\$ 0.0410	\$ 0.0444	\$ 0.0477	\$ 0.0477	\$ 0.0477
Revenue Billed	\$ 18,628	\$ 16,684	\$ 34,398	\$ 59,457	\$ 105,585	\$ 74,689	\$ 65,480	\$ 50,479	\$ 24,203	\$ 17,077	\$ 16,864	\$ 16,455	\$ 499,999
RHER													
Expense	\$ -	\$ 7,520	\$ 8,830	\$ 1,931	\$ 5,883	\$ (11,056)	\$ 1,137	\$ (1,750)	\$ (3,056)	\$ 8,392	\$ 960	\$ (13,455)	\$ 5,336
Labor	\$ 143	\$ 138	\$ 366	\$ 174	\$ 142	\$ (323)	\$ 186	\$ 149	\$ (395)	\$ 186	\$ 147	\$ (587)	\$ 326
HECI													
Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Labor	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PHAS													
Expense	\$ -	\$ 28,255	\$ 17,860	\$ 135	\$ 33,896	\$ (80,145)	\$ 3,297	\$ (4,018)	\$ 721	\$ 13,157	\$ 4,477	\$ (25,340)	\$ (7,705)
Labor	\$ 537	\$ 520	\$ 260	\$ 653	\$ 532	\$ (2,502)	\$ 699	\$ 560	\$ (1,259)	\$ 698	\$ 552	\$ (1,250)	\$ -
HECI													
Expense	\$ -	\$ 36,890	\$ 114,227	\$ 28,825	\$ 25,089	\$ 44,751	\$ 5,673	\$ 23,912	\$ 103,434	\$ 64,935	\$ (8,124)	\$ 169,482	\$ 609,086
Labor	\$ 701	\$ 679	\$ 6,608	\$ 852	\$ 694	\$ 4,262	\$ 912	\$ 731	\$ 4,761	\$ 911	\$ 720	\$ (2,970)	\$ 18,863
HECI													
Expense	\$ -	\$ 14,211	\$ 6,281	\$ 68	\$ 3,285	\$ (23,846)	\$ 1,689	\$ (1,120)	\$ (569)	\$ 24,076	\$ 3,434	\$ (29,272)	\$ (1,763)
Labor	\$ 270	\$ 262	\$ 131	\$ 328	\$ 268	\$ (1,258)	\$ 351	\$ 282	\$ (633)	\$ 351	\$ 277	\$ (628)	\$ -
Total	\$ 1,652	\$ 88,476	\$ 154,562	\$ 32,965	\$ 69,789	\$ (70,117)	\$ 13,944	\$ 18,746	\$ 103,006	\$ 112,706	\$ 2,443	\$ 95,980	\$ 624,152
Monthly Over/(Under)	\$ 16,976	\$ (71,792)	\$ (120,164)	\$ 26,493	\$ 35,796	\$ 144,805	\$ 51,537	\$ 31,732	\$ (78,802)	\$ (95,630)	\$ 14,421	\$ (79,525)	
Cumulative Over/(Under)	\$ 496,856	\$ 425,064	\$ 304,900	\$ 331,393	\$ 367,189	\$ 511,995	\$ 563,531	\$ 595,264	\$ 516,461	\$ 420,832	\$ 435,253	\$ 355,727	
INDUSTRIAL													
FY 2017 Over-Collection	\$ 51,029												
Volume Billed	28,842	30,282	69,559	113,515	190,026	116,542	116,906	81,866	45,459	33,662	30,987	32,438	890,084
ECR Surcharge	\$ 0.0507	\$ 0.0419	\$ 0.0419	\$ 0.0338	\$ 0.0256	\$ 0.0256	\$ 0.0235	\$ 0.0213	\$ 0.0213	\$ 0.0355	\$ 0.0496	\$ 0.0496	\$ 0.0496
Revenue Billed	\$ 1,461	\$ 1,269	\$ 2,915	\$ 3,831	\$ 4,865	\$ 2,983	\$ 2,741	\$ 1,744	\$ 968	\$ 1,193	\$ 1,537	\$ 1,609	\$ 27,116
RHER													
Expense	\$ -	\$ 52	\$ 11	\$ 13	\$ 41	\$ 2,505	\$ 8	\$ (12)	\$ (730)	\$ 58	\$ 7	\$ 488	\$ 2,440
Labor	\$ 1	\$ 1	\$ 1	\$ 1	\$ 1	\$ 123	\$ 1	\$ 1	\$ (14)	\$ 1	\$ 1	\$ (54)	\$ 65
HECI													
Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Labor	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PHAS													
Expense	\$ -	\$ 6,078	\$ (1,278)	\$ 4,749	\$ 4,134	\$ (13,684)	\$ 935	\$ 3,940	\$ (4,875)	\$ 10,699	\$ (1,339)	\$ (11,070)	\$ (1,709)
Labor	\$ 116	\$ 112	\$ 26	\$ 140	\$ 114	\$ (509)	\$ 150	\$ 120	\$ (271)	\$ 150	\$ 119	\$ (269)	\$ -
Total	\$ 117	\$ 6,243	\$ (1,240)	\$ 4,904	\$ 4,290	\$ (11,565)	\$ 1,094	\$ 4,049	\$ (5,889)	\$ 10,909	\$ (1,212)	\$ (10,904)	\$ 796
Monthly Over/(Under)	\$ 1,344	\$ (4,975)	\$ 4,155	\$ (1,073)	\$ 575	\$ 14,548	\$ 1,647	\$ (2,306)	\$ 6,858	\$ (9,716)	\$ 2,749	\$ 12,513	
Cumulative Over/(Under)	\$ 52,373	\$ 47,399	\$ 51,554	\$ 50,480	\$ 51,055	\$ 65,603	\$ 67,250	\$ 64,944	\$ 71,802	\$ 62,086	\$ 64,836	\$ 77,349	

**PHILADELPHIA GAS WORKS
LOAD BALANCING CHARGE
DECEMBER 1, 2018**

Storage and Peaking Asset Cost	\$	15,146,220
<hr/>		
Design Day Requirements (Mcf)		676,643
Fulfilled from FT Capacity (Mcf)		<u>295,857</u>
Fulfilled from Storage and Peaking Assets (Excess Mcf)		380,786
<hr/>		
Annual Storage and Peaking Cost per Excess Mcf	\$	39.7762
Per Mcf Over / (Under) Adjustment	\$	<u>(0.1616)</u>
Load Balancing Charge	\$	39.9378

Over / (Under) Recovery	\$	(56,749)
Interest	\$	<u>(5,091)</u>
Total Over/(Under) Recovery	\$	(61,840)
Forecasted SSPC Volumes		382,557
Per Mcf Over / (Under) Adjustment	\$	(0.1616)

Projected Unaccounted For Factor And Retainage Rate
December 1, 2018

<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>
2015-16	43,436,532	42,040,302	1,396,230	
2016-17	45,968,346	44,693,234	1,275,112	
2017-18	51,127,087	49,688,830	<u>1,438,257</u>	
Total	140,531,965	136,422,366	4,109,599	2.9%

Natural Gas Prices Used for PGW's - FY 2018-2019 - 1st Quarter GCR Filing

Basis Differentials

Prices Used For Gas Cost Inputs

	TRANSCO					NYMEX Futures 11/01/18 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
Nov-18	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.10)	(0.21)		3.16	3.19	3.20	3.21	2.80	3.14	3.19	3.14	2.70
Dec-18	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.10)	(0.21)		3.13	3.10	3.22	3.23	3.31	3.18	3.16	3.14	3.03
Jan-19	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.10)	(0.21)		3.17	3.14	3.26	3.27	3.35	3.22	3.20	3.18	3.07
Feb-19	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.10)	(0.21)		3.06	3.03	3.15	3.16	3.24	3.11	3.09	3.07	2.96
Mar-19	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.10)	(0.21)		2.83	2.80	2.92	2.93	3.01	2.88	2.86	2.84	2.73
Apr-19	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.10)	(0.21)		2.56	2.53	2.65	2.66	2.74	2.61	2.59	2.57	2.46
May-19	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.10)	(0.21)		2.53	2.50	2.62	2.63	2.71	2.58	2.56	2.54	2.43
Jun-19	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.10)	(0.21)		2.56	2.53	2.65	2.66	2.74	2.61	2.59	2.57	2.46
Jul-19	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.10)	(0.21)		2.60	2.57	2.69	2.70	2.78	2.65	2.63	2.61	2.50
Aug-19	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.10)	(0.21)		2.61	2.58	2.70	2.71	2.79	2.66	2.64	2.62	2.51
Sep-19	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.10)	(0.14)		2.59	2.56	2.68	2.69	2.77	2.64	2.62	2.60	2.56
Oct-19	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.10)	(0.14)		2.61	2.58	2.70	2.71	2.79	2.66	2.64	2.62	2.58
Nov-19	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.10)	(0.14)		2.66	2.63	2.75	2.76	2.84	2.71	2.69	2.67	2.63

Actual Natural Gas Billed

	<u>Jul-18</u>	<u>Aug-18</u>	<u>Sep-18</u>
Williams	\$ 2,577,373.57	\$ 2,555,899.85	\$ 2,455,428.53
Texas Eastern	\$ 2,334,530.29	\$ 2,350,080.26	\$ 2,301,124.55
Dominion	\$ 135,554.20	\$ 136,076.20	\$ 135,570.44
Equitrans	\$ -	\$ -	\$ -
Spot Purchases -Transco	\$ 15,811.60	\$ 21,929.78	\$ 23,137.59
Spot Purchases -Tetco	\$ -	\$ -	\$ -
Transco Supply2	\$ 438,650.00	\$ 407,650.00	\$ 390,000.00
Transco Supply3	\$ -	\$ -	\$ -
Transco Supply6	\$ 440,200.00	\$ 423,150.00	\$ 375,000.00
Transco Supply7	\$ -	\$ -	\$ -
Transco Supply8	\$ 450,641.60	\$ 524,195.45	\$ 458,265.75
Transco Supply10	\$ -	\$ -	\$ -
Transco Supply12	\$ -	\$ -	\$ -
Transco Supply14	\$ 423,375.00	\$ 428,187.50	\$ 396,375.00
Transco Supply17	\$ -	\$ -	\$ -
Transco Supply20	\$ -	\$ -	\$ -
Transco Supply21	\$ -	\$ -	\$ -
Transco Supply22	\$ 728,193.63	\$ 751,347.70	\$ 788,533.94
Transco Supply23	\$ 917,600.00	\$ 850,175.00	\$ 834,750.00
Transco Supply24	\$ -	\$ -	\$ -
Transco Supply25	\$ -	\$ -	\$ -
Transco Supply26	\$ -	\$ -	\$ -
Transco Supply27	\$ -	\$ -	\$ -
Transco Supply28	\$ -	\$ -	\$ -
Transco Supply29	\$ 424,125.00	\$ 428,962.50	\$ 397,125.00
Transco Supply30	\$ -	\$ -	\$ -
Transco Supply31	\$ -	\$ -	\$ -
Transco Supply32	\$ -	\$ -	\$ -
Tetco Supply1	\$ 715,325.00	\$ 740,125.00	\$ 734,250.00
Tetco Supply2	\$ -	\$ -	\$ -
Tetco Supply3	\$ -	\$ -	\$ -
Tetco Supply4	\$ -	\$ -	\$ -
Tetco Supply5	\$ -	\$ -	\$ -
Tetco Supply7	\$ -	\$ -	\$ -
Tetco Supply13	\$ -	\$ -	\$ -
Tetco Supply14	\$ -	\$ -	\$ -
Tetco Supply16	\$ 715,325.00	\$ 740,125.00	\$ 734,250.00
Tetco Supply17	\$ -	\$ -	\$ -
Tetco Supply18	\$ -	\$ -	\$ -
Tetco Supply19	\$ -	\$ -	\$ -
Tetco Supply20	\$ -	\$ -	\$ -
Tetco Supply21	\$ -	\$ -	\$ -
Tetco Supply22	\$ -	\$ -	\$ -
Tetco Supply23	\$ -	\$ -	\$ -
Tetco Supply24	\$ 724,650.00	\$ 772,425.00	\$ 644,910.38
Tetco Supply25	\$ -	\$ -	\$ -
Tetco Supply26	\$ 590,426.57	\$ 614,242.40	\$ 572,893.76
Tetco Supply27	\$ -	\$ -	\$ -
Tetco Supply28	\$ 357,895.00	\$ 370,295.00	\$ 367,350.00
Tetco Supply29	\$ -	\$ -	\$ -
Tetco Supply30	\$ -	\$ -	\$ -
Tetco Supply31	\$ -	\$ -	\$ -
Total Costs	\$ 11,989,676	\$ 12,114,867	\$ 11,608,965
Sharing Mechanism	\$ 55,022	\$ 54,360	\$ 69,683
Asset Management Agreement	\$ -	\$ -	\$ -
Off System Sales	\$ -	\$ -	\$ -
Gas Transportation Purchases	\$ -	\$ -	\$ -
Adjustment/Reconciliation	\$ (83,241)	\$ (190,240)	\$ -
Total Natural Gas Billed	\$ 11,961,458	\$ 11,978,987	\$ 11,678,648

Philadelphia Gas Works Summary of Fuels Purchased Three Months Ending September 2018

	Actual		Projected 3rd Qtr Filing		Projected 4th Qtr Filing		Projected 4th Qtr Filing		Actual Over/Under vs Projected			
	Jul-18	Aug-18	Sep-18	Total	Jul-18	Aug-18	Sep-18	Total	Jul-18	Aug-18	Sep-18	Total
Total Natural Gas Billed	\$ 11,961,458	\$ 11,978,987	\$ 11,678,648	\$ 35,619,093	\$ 11,450,127	\$ 11,553,910	\$ 11,167,621	\$ 34,171,658	\$ 511,331	\$ 425,077	\$ 511,026	\$ 1,447,434
Less Imbalance Charge	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Less Interruptible Credit	\$ 8,401	\$ 7,656	\$ 7,636	\$ 23,693	\$ 20,625	\$ 20,804	\$ 22,128	\$ 63,557	\$ (12,224)	\$ (13,148)	\$ (14,492)	\$ (39,864)
Gas Used For Utility	\$ 21,826	\$ 19,941	\$ 33,098	\$ 74,865	\$ 19,924	\$ 43,439	\$ 24,251	\$ 87,614	\$ 1,902	\$ (23,498)	\$ 8,847	\$ (12,749)
	\$ 11,931,231	\$ 11,951,390	\$ 11,637,914	\$ 35,520,535	\$ 11,409,578	\$ 11,489,667	\$ 11,121,242	\$ 34,020,487	\$ 521,653	\$ 461,723	\$ 516,672	\$ 1,500,047
<u>Pipeline Storages</u>												
(To)	\$ (4,854,482)	\$ (4,953,700)	\$ (4,666,147)	\$ (14,474,329)	\$ (4,109,067)	\$ (4,452,284)	\$ (4,529,409)	\$ (13,090,760)	\$ (745,415)	\$ (501,416)	\$ (136,738)	\$ (1,383,569)
From	\$ 133,270	\$ 1,071,582	\$ (407,226)	\$ 797,626	\$ -	\$ -	\$ -	\$ -	\$ 133,270	\$ 1,071,582	\$ (407,226)	\$ 797,626
Net Pipeline Storages	\$ (4,721,212)	\$ (3,882,118)	\$ (5,073,373)	\$ (13,676,703)	\$ (4,109,067)	\$ (4,452,284)	\$ (4,529,409)	\$ (13,090,760)	\$ (612,145)	\$ (570,166)	\$ (543,964)	\$ (585,943)
<u>LNG Storages</u>												
(To)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (15,628)	\$ (15,628)	\$ -	\$ -	\$ 15,628	\$ 15,628
From	\$ 190,862	\$ 189,389	\$ 176,911	\$ 557,162	\$ 241,253	\$ 235,901	\$ 228,295	\$ 705,449	\$ (50,391)	\$ (46,512)	\$ (51,364)	\$ (148,287)
Net LNG Storage	\$ 190,862	\$ 189,389	\$ 176,911	\$ 557,162	\$ 241,253	\$ 235,901	\$ 212,666	\$ 689,821	\$ (50,391)	\$ (46,512)	\$ (35,755)	\$ (132,659)
Net Natural Gas	\$ 7,400,881	\$ 8,258,661	\$ 6,741,453	\$ 22,400,995	\$ 7,541,764.12	\$ 7,273,285	\$ 6,804,499	\$ 21,619,548	\$ (140,883)	\$ 985,376	\$ (63,047)	\$ 781,447
<u>APPLICABLE GCR EXPENSES</u>												
Net Natural Gas Expense	\$ 7,400,881	\$ 8,258,661	\$ 6,741,453	\$ 22,400,995	\$ 7,541,764	\$ 7,273,285	\$ 6,804,499	\$ 21,619,548	\$ (140,883)	\$ 985,376	\$ (63,047)	\$ 781,447
Purchased Electric & Misc	\$ 32,374	\$ 30,410	\$ 64,863	\$ 127,667	\$ 41,480	\$ 35,923	\$ 28,291	\$ 105,705	\$ (9,116)	\$ (5,513)	\$ 36,592	\$ 21,962
Total GCR Expenses	\$ 7,433,255	\$ 8,289,071	\$ 6,806,316	\$ 22,528,662	\$ 7,583,244	\$ 7,309,208	\$ 6,832,791	\$ 21,725,253	\$ (149,999)	\$ 979,863	\$ (26,455)	\$ 803,409