

November 27, 2019

Via Hand Delivery

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

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

Dear Secretary Chiavetta:

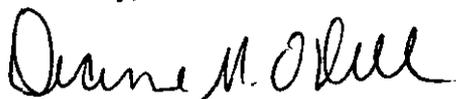
Enclosed please find the following tariff supplements and supporting schedules:

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

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

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

Sincerely,



Deanne M. O'Dell
DMO/lww
Enclosure

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

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CERTIFICATE OF SERVICE

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

Via First Class Mail and/or Email Only

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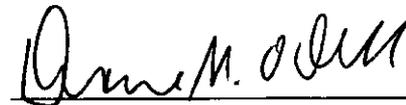
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Deanne M. O'Dell, Esq.

Dated: November 27, 2019

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

Supplement No. 84

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PA PUBLIC UTILITY COMMISSION
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PHILADELPHIA GAS WORKS

GAS SUPPLIER TARIFF



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

List of Changes Made by this Tariff

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Updated to reflect revised page numbers.

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

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

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9.14. LOAD BALANCING CHARGE.

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

(D)

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

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

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

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

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

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

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

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

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

"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.

(D) – Decrease

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

Supplement No. 84

PHILADELPHIA GAS WORKS

GAS SUPPLIER TARIFF



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

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SECRETARY'S BUREAU

List of Changes Made by this Tariff

TABLE OF CONTENTS (Page No. 6)

Updated to reflect revised page numbers.

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

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(D)

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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.

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"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.

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

(D) – Decrease

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

Supplement No. 125

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**PA PUBLIC UTILITY COMMISSION
SECRETARY'S BUREAU**

PHILADELPHIA GAS WORKS

GAS SERVICE TARIFF



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President and CEO

PHILADELPHIA GAS WORKS
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List of Changes Made by this Tariff Supplement

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

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

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

DEFINITIONS – Unaccounted For Gas (Page 14)

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

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

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

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

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

PRICE TO COMPARE (PAGE No. 78)

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

EFFICIENCY COST RECOVERY SURCHARGE (PAGE No. 80)

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

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

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

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

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

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PHILADELPHIA GAS WORKS

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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 2.7%. 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 \$0.00603 per Ccf for Commodity Costs and (\$0.00252) per Ccf for Demand Costs, for service on or after December 1, 2019. The total GAC is \$0.00351 per Ccf. (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

PHILADELPHIA GAS WORKS

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

(D)

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

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

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

(I)

(D) – Decrease (I) – Increase

III. COMPUTATION OF GAS COST RATE

Issued: November 27, 2019

Effective: December 1, 2019

PHILADELPHIA GAS WORKS

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

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

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

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

IV. REPORTING REQUIREMENTS

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

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

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

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

V. PROVISION FOR INCLUSION OF SPECIFIC NON-GAS EXPENSES

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

VI. INTERRUPTIBLE REVENUE CREDIT (IRC)

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

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

(I) ~ Increase

MERCHANT FUNCTION CHARGE (“MFC”)

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

GAS PROCUREMENT CHARGE (“GPC”)

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

Current Gas Procurement Charge = \$0.00400/Ccf

PRICE TO COMPARE (“PTC”)

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

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

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

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

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

UNIVERSAL SERVICE AND ENERGY CONSERVATION SURCHARGE

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

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

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

(D) - Decrease

GENERAL SERVICE - RATE GS

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

AVAILABILITY

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

RATES

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

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

Surcharge: Distribution System Improvement Charge.

Plus,

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

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

Plus,

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

(A) Delivery Charge:

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

(B) Surcharges:

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

(I) - Increase

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

MUNICIPAL SERVICE - RATE MS

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

AVAILABILITY

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

RATES

CUSTOMER CHARGE (per Meter (except parallel meters):

\$ 23.40 per month

Surcharge: Distribution System Improvement Charge.

Plus,

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

\$0.47175 per Ccf

(I)

Plus,

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

(A) Delivery Charge:

\$0.42723 per Ccf

(B) Surcharges:

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

(I) - Increase

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

PHILADELPHIA HOUSING AUTHORITY SERVICE - RATE PHA

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

AVAILABILITY

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

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

RATES

CUSTOMER CHARGE (per Meter (except parallel meters);

\$23.40 per month

Surcharge: Distribution System Improvement Charge.

Plus,

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

\$0.47175 per Ccf

(I)

Plus

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

(A) Delivery Charge:

\$0.50163 per Ccf

(B) Surcharges:

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

(I) - Increase

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

PHILADELPHIA GAS WORKS

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

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

AVAILABILITY

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

CHARACTER OF SERVICE

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

MONTHLY RATE

CUSTOMER CHARGE:

\$35.00 per month

Surcharge: Distribution System Improvement Charge.

Plus,

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

\$0.47175 per Ccf

(I)

Plus

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

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

\$0.12833 per Ccf

(B) Surcharges:

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

(I) – Increase

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

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DECEMBER 1, 2019

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Philadelphia Gas Works

Levelized Gas Cost Rate

December 1, 2019

Formula:
GCR = SSC + GAC - IRC

where:

	<u>Demand</u>	<u>Commodity</u>	<u>Total</u>	
S = Firm Sales (Mcf)			41,717,771	Schedule 2
Net Natural Gas Expense	\$ 76,463,356	\$ 110,352,456	\$ 186,815,812	
Purchased Electric & Misc Expenses	\$ -	\$ 658,718	\$ 658,718	
Total Natural Gas Expense	\$ 76,463,356	\$ 111,011,174	\$ 187,474,530	Schedule 3
C-Factor Reconciliation	\$ 10,047,481	\$ 89,567	\$ 10,137,048	Schedule 7(b)
C = Total Applicable GCR Expense	\$ 86,510,837	\$ 111,100,741	\$ 197,611,578	
SSC = C / S	\$ 2.0737	\$ 2.6632	\$ 4.7369	

Adjustment For:

E-Factor Volumes (Mcf)			36,945,136	
E-Factor Reconciliation	\$ (1,025,218)	\$ 2,454,092	\$ 1,428,875	Schedule 7(c)
	\$ (1,025,218)	\$ 2,454,092	\$ 1,428,875	
E = E-Factor	\$ (0.0277)	\$ 0.0664	\$ 0.0387	

Interruptible Revenue Credit		\$ (252,357)	Schedule 4(a)
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IRC = Interruptible Revenue Credit / S		\$ (0.0060)	
---	--	-------------	--

Net Applicable GCR Expenses = C + E - Interruptible Revenue Credit		\$ 199,292,809	
---	--	----------------	--

<u>GCR = SSC + GAC - IRC</u>		\$ 4.7816	
-------------------------------------	--	-----------	--

SSC in effect 12/01/19	\$ 2.0469	\$ 2.6288	\$ 4.6757	
GAC in effect 12/01/19	\$ (0.0252)	\$ 0.0603	\$ 0.0351	
IRC in effect 12/01/19			\$ 0.0067	
GCR in effect 12/01/19			\$ 4.7175	Schedule 8

Recovery Test on:

Firm Sales (Mcf)		41,717,771	
= GCR Projected Recovery	\$	196,516,044	
= Load Balancing Revenue	\$	2,639,780	
= LNG Sales Demand Revenue	\$	135,929	
= Total Projected Recovery	\$	199,291,753	Schedule 8
Compared To			
Net Applicable GCR Expenses	\$	199,292,809	
= Net Over/(Under) Recovery	\$	(1,056)	

Degree Days		3,962	
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Philadelphia Gas Works

Price To Compare (\$ / MCF)

December 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	\$4.7175	\$0.0418	\$4.6757	3.76%	\$0.1774	\$0.0400	\$0.0351	\$4.9282
Commercial GS	\$4.7175	\$0.0418	\$4.6757	0.62%	\$0.0292	\$0.0400	\$0.0351	\$4.7800
Industrial GS	\$4.7175	\$0.0418	\$4.6757	0.39%	\$0.0184	\$0.0400	\$0.0351	\$4.7692
Phila. Housing Authority (PHA)	\$4.7175	\$0.0418	\$4.6757	0.00%	\$0.0000	\$0.0400	\$0.0351	\$4.7508
Municipal (MS)	\$4.7175	\$0.0418	\$4.6757	0.00%	\$0.0000	\$0.0400	\$0.0351	\$4.7508
NGV Firm	\$4.7175	\$0.0418	\$4.6757	0.00%	\$0.0000	\$0.0400	\$0.0351	\$4.7508
Phila. Housing Authority (GS)	\$4.7175	\$0.0418	\$4.6757	0.00%	\$0.0000	\$0.0400	\$0.0351	\$4.7508

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PA PUBLIC UTILITY COMMISSION
SECRETARY'S BUREAU

SALES & VOLUMES

DECEMBER 2019 THROUGH NOVEMBER 2020

MONTH	TOTAL VOLUMES	FIRM TRANSPORT VOLUMES	BILLED SALES	INTERRUPTIBLE SALES	LNG SALES	AIR CONDITIONING SALES	GCR FIRM SALES	SENIOR CITIZEN DISCOUNT SALES	APPLICABLE VOLUMES
	1	2	3 = (1 - 2)	4	4A	4B	5 = (3 - 4 - 4A - 4B)	6	7 = (5 - 6 + 2)
DECEMBER 2019	5,853,446	823,843	5,029,602	1,077	5,984	-	5,022,541	20,778	5,825,608
JANUARY 2020	10,606,538	1,323,812	9,282,924	1,077	5,984	-	9,275,862	39,517	10,559,957
FEBRUARY	8,971,561	1,123,209	7,848,352	1,068	5,598	-	7,841,746	32,762	8,932,193
MARCH	7,112,834	898,357	6,214,477	1,077	5,984	-	6,207,416	25,285	7,080,507
APRIL	4,509,810	558,446	3,951,164	1,043	5,781	-	3,944,330	15,586	4,487,191
MAY	2,020,706	286,878	1,733,828	1,077	5,984	-	1,728,767	5,991	2,007,853
JUNE	1,310,889	220,987	1,089,892	1,043	5,781	50	1,083,009	3,034	1,300,972
JULY	1,168,660	202,225	966,455	1,077	5,984	282	959,112	2,582	1,158,755
AUGUST	1,078,832	187,319	891,514	1,077	5,984	99	894,354	2,353	1,069,320
SEPTEMBER	1,040,687	183,255	857,432	1,045	4,110	157	852,120	2,242	1,033,133
OCTOBER	1,491,735	272,188	1,219,548	1,080	4,247	83	1,214,138	3,400	1,482,826
NOVEMBER	<u>3,200,331</u>	<u>488,800</u>	<u>2,711,531</u>	<u>1,045</u>	<u>4,110</u>	<u>-</u>	<u>2,708,376</u>	<u>8,004</u>	<u>3,188,171</u>
TOTAL	48,365,847	6,569,129	41,796,718	12,728	65,549	870	41,717,771	162,513	48,124,387

Schedule 2

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PA PUBLIC UTILITY COMMISSION
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**Projected Applicable Fuel Expense
December 1, 2019 GCR Filing**

	DECEMBER 2019	JANUARY 2020	FEBRUARY 2020	MARCH 2020	APRIL 2020	MAY 2020	JUNE 2020	JULY 2020	AUGUST 2020	SEPTEMBER 2020	OCTOBER 2020	NOVEMBER 2020	TOTAL
NATURAL GAS BILLED													
DEMAND CHARGE	\$6,719,018	\$6,718,878	\$6,742,696	\$6,857,018	\$6,293,116	\$6,282,068	\$6,286,522	\$6,255,510	\$6,252,171	\$6,013,714	\$5,975,387	\$6,280,458	\$78,483,358
COMMODITY CHARGE	\$12,312,881	\$13,161,829	\$11,814,034	\$11,358,591	\$8,438,368	\$8,522,036	\$8,693,650	\$5,856,164	\$5,857,800	\$6,474,046	\$9,941,467	\$9,218,037	\$100,742,785
TOTAL NATURAL GAS BILLED	\$19,031,897	\$19,877,507	\$18,656,730	\$18,013,678	\$14,729,488	\$14,785,002	\$12,980,172	\$12,111,684	\$12,109,871	\$12,487,761	\$15,916,843	\$15,506,496	\$188,226,140
INTERRUPTIBLE & A/C CREDIT	\$2,061	\$3,011	\$2,779	\$2,857	\$2,455	\$2,407	\$2,742	\$3,467	\$3,008	\$2,884	\$2,699	\$2,543	\$33,813
SENDOUT VOLUME IN MCF	1,107	1,107	1,038	1,107	1,072	1,107	1,123	1,387	1,208	1,235	1,185	1,074	13,770
DKT CONVERSION FACTOR	1.038	1.038	1.038	1.038	1.038	1.038	1.038	1.038	1.038	1.038	1.038	1.038	1.038
PRICE \$/DKT	\$2.5812	\$2.6250	\$2.5898	\$2.4804	\$2.2117	\$2.0985	\$2.3567	\$2.3852	\$2.4007	\$2.2534	\$2.1800	\$2.2848	\$2.2848
GAS USED FOR UTILITY	\$100,488	\$156,138	\$103,575	\$82,383	\$54,738	\$19,071	\$22,234	\$20,380	\$27,177	\$19,680	\$21,932	\$87,823	\$687,868
NATURAL GAS TO STORAGE	(\$51,843)	\$0	\$0	(\$937,906)	(\$2,937,277)	(\$5,437,518)	(\$4,708,847)	(\$3,780,056)	(\$3,778,864)	(\$4,388,370)	(\$3,068,244)	(\$47,288)	(\$30,844,118)
FROM STORAGE PGW	\$7,114,297	\$10,083,758	\$8,107,734	\$4,774,883	\$1,381,889	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$782,135
FT FROM STORAGE	\$453,499	\$867,580	\$488,357	\$151,608	\$5,041	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,816
NET NATURAL GAS STORAGE	\$7,062,454	\$10,083,758	\$8,107,734	\$4,138,894	(\$1,575,807)	(\$5,437,518)	(\$4,708,847)	(\$3,780,056)	(\$3,778,864)	(\$4,388,370)	(\$3,068,244)	\$704,838	\$1,380,358
LNG TO STORAGE	(\$878,827)	(\$839,812)	(\$800,385)	(\$1,101,038)	(\$841,431)	(\$182,988)	(\$3,868)	\$0	\$0	(\$3,230)	(\$421,878)	(\$804,337)	(\$5,878,374)
FROM LNG PGW	\$920,470	\$1,428,721	\$982,262	\$281,183	\$271,338	\$277,188	\$268,445	\$275,342	\$275,342	\$259,755	\$385,935	\$253,500	\$8,636,280
FT FROM LNG	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
NET LNG STORAGE	\$43,643	\$588,909	\$181,877	(\$819,855)	(\$270,093)	\$94,199	\$262,777	\$275,342	\$275,342	\$253,525	(\$65,742)	(\$650,838)	\$168,906
LNG SALES FROM LNG TANK	\$17,343	\$17,310	\$18,288	\$17,504	\$18,988	\$17,318	\$18,591	\$17,134	\$17,134	\$11,787	\$12,158	\$11,850	\$189,082
SENDOUT VOLUMES (MCF)	5,884	5,884	5,884	5,884	5,791	5,884	5,781	5,884	5,884	4,110	4,247	4,110	85,548
@ AVG LNG COMMODITY RATE	\$2.8818	\$2.8927	\$2.9116	\$2.9251	\$2.9303	\$2.8937	\$2.8650	\$2.8833	\$2.8833	\$2.8833	\$2.8829	\$2.8370	\$2.8370
NET NATURAL GAS EXPENSE	\$28,017,301	\$30,382,718	\$28,803,708	\$21,227,984	\$12,809,824	\$9,402,889	\$8,484,735	\$8,585,820	\$8,658,933	\$8,308,584	\$10,756,088	\$15,487,369	\$188,815,812
APPLICABLE GCR EXPENSE													
NET NATURAL GAS EXPENSE	\$28,017,301	\$30,382,718	\$28,803,708	\$21,227,984	\$12,809,824	\$9,402,889	\$8,484,735	\$8,585,820	\$8,658,933	\$8,308,584	\$10,756,088	\$15,487,369	\$188,815,812
PURCHASED ELECTRIC & MISC	\$54,208	\$70,713	\$58,601	\$54,723	\$50,085	\$36,844	\$34,051	\$32,814	\$32,261	\$32,394	\$31,553	\$47,772	\$533,718
PLANALYTICS	\$0	\$125,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$125,000
TOTAL APPLICABLE EXPENSES	\$28,071,509	\$30,678,430	\$28,862,309	\$21,282,708	\$12,859,708	\$9,439,533	\$8,528,786	\$8,588,734	\$8,691,194	\$8,340,978	\$10,787,621	\$15,535,141	\$187,474,530
TOTAL GCR FIRM SALES	5,022,541	9,275,982	7,841,746	6,207,416	3,944,330	1,728,787	1,063,008	958,112	884,354	852,120	1,214,138	2,708,378	41,717,771

Schedule 3

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PA PUBLIC UTILITY COMMISSION
SECRETARY'S BUREAU

INTERRUPTIBLE REVENUE CREDIT
December 1, 2019

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

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

GCR Firm Sales 41,717,771 Schedule 2

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

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PA PUBLIC UTILITY COMMISSION
SECRETARY'S BUREAU

INTERRUPTIBLE REVENUE MARGIN
December 1, 2019

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

INTERRUPTIBLE REVENUE CREDIT
FINALIZED RECONCILIATION FY 2019

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

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

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

MONTH	NET COST	TOTAL	OVER/	INTEREST	TIME	INTEREST	INTEREST	TOTAL
	OF FUEL ⁽¹⁾	C FACTOR	(UNDER)					
	1	REVENUE	RECOVERY	RATE	FACTOR	6 = (3*4*5)	REFUNDS ⁽²⁾	8 = (6+7)
	(\$)	2	3 = (2 - 1)	4	5	(\$)	7	8
	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)
SEPTEMBER 18	6,806,635	3,766,708	(3,039,927)	5.50%	18/12	(250,794)	-	(250,794)
OCTOBER	11,894,731	5,279,622	(8,615,109)	5.50%	17/12	(515,427)	233	(515,194)
NOVEMBER	22,789,760	15,472,572	(7,317,188)	5.50%	16/12	(536,594)	17	(536,577)
DECEMBER	31,738,375	28,556,596	(3,181,779)	5.50%	15/12	(218,747)	-	(218,747)
JANUARY 19	34,238,287	36,678,905	2,440,618	5.50%	14/12	156,606	-	156,606
FEBRUARY	25,796,063	38,964,148	13,168,085	5.50%	13/12	784,598	-	784,598
MARCH	23,390,285	32,924,286	9,534,001	5.50%	12/12	524,370	-	524,370
APRIL	12,274,022	18,346,665	6,072,643	5.50%	11/12	306,162	-	306,162
MAY	9,844,343	8,495,897	(1,348,446)	5.50%	10/12	(61,804)	21	(61,783)
JUNE	9,698,951	5,631,103	(4,067,848)	5.50%	9/12	(167,799)	-	(167,799)
JULY	8,841,227	4,204,717	(4,636,510)	5.50%	8/12	(170,005)	143	(169,862)
AUGUST	8,830,067	3,805,209	(5,024,858)	5.50%	7/12	(161,214)	12	(161,202)
Total	206,142,746	202,126,428	(4,016,318)			(310,647)	426	(310,221)

(1) See Schedule 4(b)
(2) See Schedule 5(c)

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**FISCAL YEAR 2019
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 18	0	6.00%	18/12	0
OCTOBER	2,740	6.00%	17/12	233
NOVEMBER	214	6.00%	16/12	17
DECEMBER	0	6.00%	15/12	0
JANUARY 19	0	6.00%	14/12	0
FEBRUARY	0	6.00%	13/12	0
MARCH	0	6.00%	12/12	0
APRIL	0	6.00%	11/12	0
MAY	425	6.00%	10/12	21
JUNE	0	6.00%	9/12	0
JULY	3,582	6.00%	8/12	143
AUGUST	350	6.00%	7/12	12
TOTAL	7,311			426

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

MONTH	OVER/(UNDER) RECOVERY (1) 1	DEMAND CHARGE OVER/(UNDER) RECOVERY (2) 2	COMMODITY CHARGE OVER/(UNDER) RECOVERY 3=(1-2)	INTEREST RATE 4	TIME FACTOR 5	DEMAND INTEREST EXPENSE 6=(2*4*5)	COMMODITY INTEREST EXPENSE 7=(3*4*5)	TOTAL INTEREST EXPENSE 8=(6+7)	INTEREST ON REFUNDS (3) 9	TOTAL INTEREST 10=(8+9)
	(\$)	(\$)	(\$)			(\$)	(\$)	(\$)	(\$)	(\$)
SEPTEMBER 18	(3,039,927)	(3,769,087)	729,161	5.50%	18/12	(310,950)	60,156	(250,794)	0	(250,794)
OCTOBER	(6,615,109)	(3,361,947)	(3,253,162)	5.50%	17/12	(261,952)	(253,476)	(515,427)	233	(515,194)
NOVEMBER	(7,317,188)	354,716	(7,671,905)	5.50%	16/12	26,013	(562,606)	(536,594)	17	(536,577)
DECEMBER	(3,181,779)	4,971,887	(8,153,666)	5.50%	15/12	341,817	(560,565)	(218,747)	0	(218,747)
JANUARY 19	2,440,618	8,778,954	(6,338,337)	5.50%	14/12	563,316	(406,710)	156,606	0	156,606
FEBRUARY	13,168,085	9,654,007	3,514,079	5.50%	13/12	575,218	209,381	784,599	0	784,599
MARCH	9,534,001	6,157,144	4,376,857	5.50%	12/12	283,643	240,727	524,370	0	524,370
APRIL	6,072,643	(828,573)	6,901,216	5.50%	11/12	(41,774)	347,936	306,162	0	306,162
MAY	(1,348,446)	(3,333,222)	1,984,776	5.50%	10/12	(152,773)	90,969	(61,804)	21	(61,783)
JUNE	(4,067,848)	(5,246,001)	1,178,153	5.50%	9/12	(216,398)	48,599	(167,799)	0	(167,799)
JULY	(4,636,510)	(5,656,600)	1,020,089	5.50%	8/12	(207,409)	37,403	(170,005)	143	(169,862)
AUGUST	(5,024,856)	(5,664,701)	639,844	5.50%	7/12	(161,743)	20,528	(161,214)	12	(161,202)
TOTAL FY 2019	(4,016,318)	1,056,677	(5,072,895)			417,010	(727,657)	(310,647)	426	(310,221)

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

MONTH	NET COST OF FUEL 1 (\$)	TOTAL GCR REVENUE BILLED 2 (\$)	C FACTOR % of GCR 3	C FACTOR REVENUE BILLED 4 = (2 * 3) (\$)	LOAD BALANCING REVENUE 5 (\$)	LNG SALES GCR BILLED REVENUE 6 (\$)	TOTAL C FACTOR REVENUE BILLED 7 = (4 + 5 + 6) (\$)	NATURAL GAS REFUNDS 8 (\$)	OVER/ (UNDER) RECOVERY 9 = (7 + 8 - 1) (\$)	CUMULATIVE OVER/(UNDER) 10 (\$)
SEPTEMBER 2018	6,806,635	3,506,061	104.0%	3,647,441	118,414	854	3,766,708	0	(3,039,927)	(3,039,927)
OCTOBER	11,894,731	4,806,212	107.5%	5,168,361	111,261	0	5,279,622	2,740	(8,612,369)	(9,652,296)
NOVEMBER	22,789,760	14,283,135	107.5%	15,359,371	113,201	0	15,472,572	214	(7,316,974)	(18,969,270)
DECEMBER	31,738,375	26,740,273	106.3%	28,424,452	132,144	0	28,556,596	0	(3,181,779)	(20,151,049)
JANUARY 2019	34,238,287	34,724,168	105.2%	36,540,232	138,673	0	36,678,905	0	2,440,618	(17,710,431)
FEBRUARY	25,796,063	36,895,962	105.2%	38,825,610	138,538	0	38,964,148	0	13,168,085	(4,542,346)
MARCH	23,390,285	31,660,064	103.5%	32,778,131	143,923	2,232	32,924,286	0	9,534,001	4,991,655
APRIL	12,274,022	17,799,947	102.0%	18,151,356	196,309	0	18,346,665	0	6,072,643	11,064,298
MAY	9,844,343	8,136,341	102.0%	8,296,969	198,928	0	8,495,897	425	(1,348,021)	9,716,277
JUNE	9,698,951	5,326,906	101.9%	5,428,201	202,902	0	5,631,103	0	(4,067,848)	5,648,429
JULY	8,841,227	3,930,519	101.8%	4,002,001	202,716	0	4,204,717	3,582	(4,632,928)	1,015,500
AUGUST	8,830,067	3,536,088	101.8%	3,600,387	204,812	0	3,805,209	350	(5,024,508)	(4,009,007)
Total	206,142,746	191,345,675		200,222,521	1,900,821	3,085	202,126,428	7,311	(4,009,007)	

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

		GCR SALES 1	TOTAL E-FACTOR VOLUMES 2	TOTAL GCR REVENUE BILLED 3	E-FACTOR % of GCR 4	E-FACTOR GCR REVENUE BILLED 5=(3*4)	OVER/(UNDER) PROJECTED RECOVERY 6
		(MCF)	(MCF)	(\$)		(\$)	(\$)
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	\$ 14,283,135	-7.5%	\$ (1,069,950)	\$ 9,866,164
DECEMBER	Actual	6,380,788	6,380,788	\$ 26,740,273	-6.2%	\$ (1,649,212)	\$ 8,216,952
JANUARY 2019	Actual	7,770,814	7,770,814	\$ 34,724,168	-5.0%	\$ (1,744,633)	\$ 6,472,319
FEBRUARY	Actual	8,247,721	8,247,721	\$ 36,895,962	-5.0%	\$ (1,853,749)	\$ 4,618,570
MARCH	Actual	6,730,403	6,730,403	\$ 31,660,064	-3.4%	\$ (1,066,938)	\$ 3,551,632
APRIL	Actual	3,651,708	3,651,708	\$ 17,799,947	-1.9%	\$ (329,879)	\$ 3,221,753
MAY	Actual	1,668,694	1,668,694	\$ 8,136,341	-1.9%	\$ (150,787)	\$ 3,070,966
JUNE	Actual	1,156,829	1,156,829	\$ 5,326,906	-1.8%	\$ (95,532)	\$ 2,975,434
JULY	Actual	915,491	915,491	\$ 3,930,519	-1.7%	\$ (67,802)	\$ 2,907,632
AUGUST	Actual	827,970	827,970	\$ 3,536,088	-1.7%	\$ (60,998)	\$ 2,846,633
		43,221,710	43,221,710	191,345,675		\$ (8,589,349)	

**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	14,283,135	-0.04%	(6,285)
DECEMBER	26,740,273	-0.13%	(34,967)
JANUARY 2019	34,724,168	-0.21%	(71,431)
FEBRUARY	36,895,962	-0.21%	(75,899)
MARCH	31,660,064	-0.16%	(51,129)
APRIL	17,799,947	-0.12%	(21,530)
MAY	8,136,341	-0.12%	(9,841)
JUNE	5,326,906	-0.11%	(5,763)
JULY	3,930,519	-0.09%	(3,680)
AUGUST	<u>3,536,088</u>	-0.09%	<u>(3,311)</u>
TOTALS	191,345,675		(287,497)

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

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

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

Rate	7/1/2019	Split Month 9/1/2019	10/1/2019	Split Month 12/1/2019	1/1/2020
BSC in Effect	\$ 4.3501	\$ 4.4681	\$ 4.5860	\$ 4.6309	\$ 4.6757
GAC in Effect	\$ (0.0737)	\$ (0.0266)	\$ 0.0206	\$ 0.0279	\$ 0.0351
IRC in Effect	\$ (0.0040)	\$ (0.0038)	\$ (0.0038)	\$ 0.0018	\$ 0.0067
Total Effective	\$ 4.2724	\$ 4.4377	\$ 4.6030	\$ 4.6603	\$ 4.7175
Percentage of Total					
C-Factor	101.8%	100.7%	99.6%	99.4%	99.1%
E-Factor	-1.7%	-0.6%	0.4%	0.6%	0.7%
IRC-Factor	-0.1%	-0.1%	-0.1%	0.0%	0.1%
Total	100%	100%	100%	100%	100%

C-Factor	7/1/2019	Split Month 9/1/2019	10/1/2019	Split Month 12/1/2019	1/1/2020
Demand Charge in Effect	\$ 1.3403	\$ 1.6114	\$ 1.8825	\$ 1.9647	\$ 2.0489
Commodity in Effect	\$ 3.0098	\$ 2.8567	\$ 2.7035	\$ 2.6662	\$ 2.6288
Total	\$ 4.3501	\$ 4.4681	\$ 4.5860	\$ 4.6309	\$ 4.6757
Percentage of Total					
Demand Charge in Effect	30.8%	36.1%	41.0%	42.4%	43.8%
Commodity in Effect	69.2%	63.9%	59.0%	57.6%	56.2%
Total	100%	100%	100%	100%	100%

Fiscal Year 2019 E-Factor	C-Factor Over/Under	E-Factor Over/Under	Interest Over/Under	FY 2019 Final E-Factor
	\$ (4,009,007)	\$ 2,846,633	\$ (310,221)	\$ (1,472,595)

Actual Fiscal Year 2019-2020	Sep-2019 Actual	Oct-2019 Actual
GCR Firm Sales	944,022	1,100,259
GCR Revenue Billed	\$ 4,228,589	\$ 5,066,955
Migration Rider Revenue Billed	\$ -	\$ -
Load Balancing Billed	\$ 210,704	\$ 218,471
LNG Sales Demand Charge Credit	\$ -	\$ 78,522
Total Revenue Billed	\$ 4,439,293	\$ 5,361,947
Natural Gas Refunds	\$ -	\$ 1,115
Demand Charges	\$ 6,912,195	\$ 7,233,417
Supply Charges	\$ 1,884,811	\$ 3,919,186
Net Cost of Fuel	\$ 8,797,006	\$ 11,152,803

Schedule 7(a)

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

MONTH	NET COST	TOTAL	C FACTOR	C FACTOR	LOAD BALANCING	LNG SALES GCR	TOTAL	NATURAL GAS	OVER/	CUMULATIVE
	OF FUEL	GCR	% of GCR	REVENUE	REVENUE	BILLED REVENUE	C FACTOR	REFUNDS	(UNDER)	OVER/(UNDER)
	1	2	3	4 = (2 * 3)	5	6	7 = (4 + 5 + 6)	8	9 = (7 + 8 - 1)	10
	(\$)	(\$)		(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)
SEPTEMBER 2019	8,797,006	4,228,589	100.7%	4,257,508	210,704	0	4,468,212	0	(4,328,794)	(4,328,794)
OCTOBER	11,152,603	5,066,955	99.6%	5,048,241	218,471	76,522	5,343,234	1,115	(5,808,254)	(10,137,048)

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

		GCR SALES 1	TOTAL E-FACTOR VOLUMES 2	TOTAL GCR REVENUE BILLED 3	E-FACTOR % of GCR 4	E-FACTOR GCR REVENUE BILLED 5=(3*4)	OVER(UNDER) PROJECTED RECOVERY 6
		(MCF)	(MCF)	(\$)		(\$)	(\$)
PRIOR YEAR E-FACTOR							\$ (1,472,595)
MONTH							
SEPTEMBER 2019	Actual	944,022	944,022	\$ 4,228,589	-0.8%	\$ (25,299)	\$ (1,497,894)
OCTOBER	Actual	1,100,259	1,100,259	\$ 5,066,955	0.4%	\$ 22,676	\$ (1,475,218)
NOVEMBER	Estimated	2,249,650	2,249,650	\$ 10,355,139	0.4%	\$ 48,343	\$ (1,428,875)
DECEMBER	Estimated	5,022,541	5,022,541	\$ 23,408,297		\$ 194,250	
JANUARY 2020	Estimated	9,275,882	9,275,882	\$ 43,758,880		\$ 358,749	
FEBRUARY	Estimated	7,841,746	7,841,746	\$ 36,993,437		\$ 303,284	
MARCH	Estimated	6,207,416	6,207,416	\$ 29,283,485		\$ 240,075	
APRIL	Estimated	3,944,330	3,944,330	\$ 18,607,378		\$ 152,549	
MAY	Estimated	1,726,787	1,726,787	\$ 8,146,022		\$ 66,784	
JUNE	Estimated	1,083,009	1,083,009	\$ 5,109,093		\$ 41,888	
JULY	Estimated	959,112	959,112	\$ 4,524,810		\$ 37,094	
AUGUST	Estimated	884,354	884,354	\$ 4,171,939		\$ 34,203	
		36,945,136	36,945,138	174,001,140		1,428,875	

DECEMBER 1, 2019 E-FACTOR 0.0387

**FISCAL YEAR 2020
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 2019	4,228,589	-0.09%	(3,621)
OCTOBER	5,066,955	-0.08%	(3,963)

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

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

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

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

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

Current Rates

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

December 1, 2019 - Distribution Charge

	<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	\$0.3362	\$0.0021	\$0.9826	\$0.0043	\$1.3252	\$8.0219
Commercial GS	\$4.8651	\$0.3362	\$0.0245	\$0.9826	\$0.0043	\$1.3476	\$6.2127
Industrial GS	\$4.7698	\$0.3362	(\$0.0312)	\$0.9826	\$0.0043	\$1.2919	\$6.0617
Phila.Housing Authority (PHA)	\$5.0163	\$0.3362	\$0.0245	\$0.9826	\$0.0043	\$1.3476	\$6.3639
Municipal (MS)	\$4.2723	\$0.3362	\$0.0000	\$0.9826	\$0.0043	\$1.3231	\$5.5954
Phila.Housing Authority (GS)	\$5.7105	\$0.3362	\$0.0021	\$0.9826	\$0.0043	\$1.3252	\$7.0357

Proposed Rates

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

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

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

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

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

<u>Month</u>		<u>USC Applicable Volumes</u>	<u>USC Charge</u>	<u>USC Revenue Billed</u>	<u>USC Expenses</u>	<u>Monthly Over/(Under) Recovery</u>	<u>Cumulative Over/(Under) Recovery</u>
FY 19 Reconciliation							(\$1,259,707)
FY 17 & FY 18 Conservation Incentive Credit							(\$561,850)
							(\$1,821,357)
September 2019	Actual	1,138,306	\$ 1,2605	\$ 1,434,778	\$ (1,582,662)	\$ 3,017,440	\$1,196,083
October	Actual	1,358,986	\$ 1,2195	\$ 1,857,283	\$ (432,631)	\$ 2,089,914	\$3,285,997
November	Estimated	2,679,198	\$ 1,2195	\$ 3,267,282	\$ 1,041,726	\$ 2,225,556	\$5,511,553

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

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

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

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

Month	USC Applicable Volume	USC Charge	USC Revenue Billed	USC Expenses	Monthly Over(Under) Recovery	Cumulative Over(Under) Recovery
FY 18 Reconciliation						(\$3,768,661)
FY 17 & FY 18 Conservation Incentive Credit **						(\$561,650)
						(\$4,330,311)
September 2018	Actual 1,098,293	\$ 1,5434	\$ 1,696,106	\$ (1,876,979)	\$ 3,572,085	(\$758,246)
October	Actual 1,511,556	\$ 1,4438	\$ 2,182,385	\$ 335,100	\$ 1,847,285	\$1,089,039
November	Actual 4,238,857	\$ 1,4438	\$ 6,120,082	\$ 4,723,978	\$ 1,396,083	\$2,485,122
December	Actual 7,139,381	\$ 1,2811	\$ 9,145,917	\$ 9,136,000	\$ 9,917	\$2,495,039
January 2019 **	Actual 5,711,091	\$ 1,1183	\$ 6,741,813	\$ 14,487,024	\$ (4,725,410)	(\$2,230,371)
February **	Actual 9,204,787	\$ 1,1183	\$ 10,293,714	\$ 13,692,448	\$ (3,398,734)	(\$5,629,106)
March	Actual 7,534,016	\$ 1,3721	\$ 10,337,423	\$ 12,166,981	\$ (1,829,557)	(\$7,458,663)
April	Actual 4,136,881	\$ 1,6259	\$ 6,729,284	\$ 7,020,871	\$ (294,387)	(\$7,753,050)
May	Actual 1,949,583	\$ 1,6259	\$ 3,169,794	\$ 2,805,861	\$ 563,933	(\$7,189,117)
June	Actual 1,357,417	\$ 1,4837	\$ 1,996,799	\$ 219,227	\$ 1,767,572	(\$5,421,545)
July	Actual 1,107,930	\$ 1,3014	\$ 1,441,885	\$ (879,074)	\$ 2,320,959	(\$3,100,586)
August	Actual 994,856	\$ 1,3014	\$ 1,294,858	\$ (548,020)	\$ 1,840,879	(\$1,259,707)

USC Expenses	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	FY19 Total
ELIRP Expense	\$ 4,554	\$ 797,695	\$ 437,794	\$ 204,587	\$ 1,482,413	\$ 558,324	\$ 1,025,045	\$ 593,420	\$ 791,735	\$ 801,875	\$ 594,775	\$ 1,205,185	\$ 8,488,082
ELIRP Labor	\$ 10,281	\$ 12,938	\$ 21,293	\$ 14,951	\$ 15,288	\$ 15,362	\$ 19,488	\$ 17,346	\$ 13,102	\$ 14,438	\$ 13,852	\$ 15,831	\$ 189,970
Conservation Incentive Credit **	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CRP Discount	\$ (1,871,956)	\$ (1,297,656)	\$ 3,128,211	\$ 7,808,815	\$ 11,588,988	\$ 11,907,633	\$ 9,811,597	\$ 5,175,059	\$ 624,548	\$ (1,514,700)	\$ (2,382,929)	\$ (2,602,428)	\$ 40,374,980
CRP Forgiveness	\$ (109,542)	\$ 711,525	\$ 862,430	\$ 863,925	\$ 812,018	\$ 837,832	\$ 836,884	\$ 834,174	\$ 1,010,977	\$ 823,021	\$ 823,224	\$ 789,330	\$ 6,778,398
Senior Citizen Discount	\$ 83,684	\$ 110,598	\$ 274,251	\$ 443,922	\$ 568,317	\$ 573,297	\$ 473,087	\$ 300,873	\$ 165,501	\$ 94,163	\$ 72,204	\$ 66,082	\$ 3,225,787
Bad Debt Expense Offset*	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total	\$ (1,876,979)	\$ 335,100	\$ 4,723,978	\$ 9,136,000	\$ 14,467,024	\$ 13,692,448	\$ 12,166,981	\$ 7,020,871	\$ 2,805,861	\$ 219,227	\$ (879,074)	\$ (548,020)	\$ 61,065,215

CRP Participation	Rate Case Participation Rate	Actual Participation Rate*	CRP Under(Over) Participation
60,000	48,110	11,890	
60,000	49,485	10,535	
60,000	50,609	9,391	
60,000	51,885	8,115	
60,000	52,051	7,949	
60,000	52,459	7,541	
60,000	54,455	5,545	
60,000	54,806	5,194	
60,000	54,814	5,189	
60,000	54,718	5,284	
60,000	53,488	6,534	
60,000	53,445	6,555	

Average Shortfall Per CRP Participant	CRP Discount	Actual Participation Rate	Average Shortfall per CRP Participant
\$ (1,871,956)	48,110	\$ (39)	
\$ (1,297,656)	49,485	\$ (26)	
\$ 3,128,211	50,609	\$ 62	
\$ 7,808,815	51,885	\$ 150	
\$ 11,588,988	52,051	\$ 223	
\$ 11,907,633	52,459	\$ 227	
\$ 9,811,597	54,455	\$ 180	
\$ 5,175,059	54,806	\$ 94	
\$ 624,548	54,814	\$ 11	
\$ (1,514,700)	54,718	\$ (28)	
\$ (2,382,929)	53,488	\$ (45)	
\$ (2,602,428)	53,445	\$ (49)	

Shortfall*	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bad Debt Expense Offset**	7.5%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

*Bad Debt Expense Offset Applicable When Actual CRP Participation Exceeds 60,000
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PA PUBLIC UTILITY COMMISSION
SECRETARY'S BUREAU

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

Efficiency Cost Recovery Surcharge / Mcf	\$0.0021	\$0.0245	(\$0.0312)
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PA PUBLIC UTILITY COMMISSION
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**EFFICIENCY COST RECOVERY (ECR) SURCHARGE
STATEMENT OF RECONCILIATION
FISCAL YEAR 2020**

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

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

		Actual Sep-18	Actual Oct-18	Actual Nov-18	Actual Dec-18	Actual Jan-19	Actual Feb-19	Actual Mar-19	Actual Apr-19	Actual May-19	Actual Jun-19	Actual Jul-19	Estimated Aug-19	Total FY2019
RESIDENTIAL & PHA 93														
FY 2018 Over-Collection		\$ 402,656												
Volume Billed		692,388	835,081	3,022,500	5,388,087	6,553,283	7,023,713	5,099,081	3,093,580	1,355,888	885,148	885,707	801,438	36,915,630
ECR Surcharge		\$ 0.0189	\$ 0.0199	\$ 0.0199	\$ 0.0250	\$ 0.0301	\$ 0.0391	\$ 0.0280	\$ 0.0219	\$ 0.0219	\$ 0.0138	\$ 0.0053	\$ 0.0053	
Revenue Billed		\$ 13,052	\$ 16,515	\$ 59,848	\$ 133,933	\$ 197,254	\$ 211,414	\$ 148,176	\$ 67,740	\$ 29,090	\$ 12,038	\$ 3,634	\$ 3,188	\$ 806,488
RHER	Expense	\$ 408	\$ 14,240	\$ 13,304	\$ 36,421	\$ 81,168	\$ 54,380	\$ 83,988	\$ 60,051	\$ (2,573)	\$ 25,904	\$ 49,100	\$ 49,100	
RHER	Labor	\$ 1,451	\$ 1,153	\$ (1,485)	\$ 1,333	\$ 1,363	\$ 1,678	\$ 1,773	\$ 1,578	\$ 2,480	\$ 1,313	\$ 1,242	\$ 1,242	
HECI	Expense	\$ 82	\$ 1,658	\$ (1,738)	\$ 8,912	\$ 16,275	\$ (16,199)	\$ 2,135	\$ 3,101	\$ 83,598	\$ 426	\$ 960	\$ 960	
HECI	Labor	\$ 292	\$ 232	\$ (524)	\$ 268	\$ 274	\$ (350)	\$ 58	\$ 51	\$ 2,797	\$ 43	\$ 40	\$ 40	
CRRI	Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
CRRI	Labor	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
CIRI	Expense	\$ 60	\$ 116	\$ (122)	\$ 982	\$ 295	\$ (10,231)	\$ -	\$ -	\$ 128,787	\$ -	\$ -	\$ -	
CIRI	Labor	\$ 218	\$ 171	\$ (387)	\$ 198	\$ 203	\$ (401)	\$ -	\$ -	\$ 1,680	\$ -	\$ -	\$ -	
CIER	Expense	\$ 1	\$ 49	\$ (50)	\$ 43	\$ 455	\$ (498)	\$ -	\$ -	\$ 9,536	\$ -	\$ -	\$ -	
CIER	Labor	\$ 3	\$ 2	\$ (6)	\$ 3	\$ 3	\$ (6)	\$ -	\$ -	\$ 170	\$ -	\$ -	\$ -	
Total		\$ 2,511	\$ 17,021	\$ 9,013	\$ 55,060	\$ 100,036	\$ 28,352	\$ 87,051	\$ 65,381	\$ 224,484	\$ 27,688	\$ 51,341	\$ 51,341	
Monthly Over(Under)		\$ 10,540	\$ 894	\$ 50,833	\$ 78,873	\$ 97,218	\$ 183,061	\$ 80,224	\$ 2,388	\$ (194,775)	\$ (15,948)	\$ (47,707)	\$ (48,154)	
Cumulative Over(Under)		\$ 413,196	\$ 414,090	\$ 464,923	\$ 543,796	\$ 641,014	\$ 824,076	\$ 904,300	\$ 906,688	\$ 711,893	\$ 696,245	\$ 648,538	\$ 600,385	
COMMERCIAL & PHA														
FY 2018 Over-Collection		\$ 355,727												
Volume Billed		363,598	520,371	1,059,309	1,515,558	1,873,082	1,859,051	1,573,165	900,048	535,983	418,709	380,870	352,430	11,352,214
ECR Surcharge		\$ 0.0503	\$ 0.0529	\$ 0.0529	\$ 0.0470	\$ 0.0411	\$ 0.0411	\$ 0.0408	\$ 0.0405	\$ 0.0405	\$ 0.0524	\$ 0.0642	\$ 0.0642	
Revenue Billed		\$ 18,289	\$ 27,528	\$ 56,041	\$ 71,231	\$ 76,083	\$ 76,407	\$ 64,185	\$ 36,452	\$ 21,707	\$ 21,919	\$ 24,452	\$ 22,626	\$ 517,820
RHER	Expense	\$ 22	\$ 784	\$ (786)	\$ 1,955	\$ 4,356	\$ 485	\$ 2,169	\$ 2,056	\$ (2,382)	\$ 878	\$ 1,064	\$ 1,064	
RHER	Labor	\$ 78	\$ 82	\$ (140)	\$ 72	\$ 73	\$ 42	\$ 60	\$ 53	\$ 3	\$ 45	\$ 42	\$ 42	
CRRI	Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
CRRI	Labor	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
CIRI	Expense	\$ 99	\$ 189	\$ (199)	\$ 16,139	\$ 482	\$ 9,701	\$ 7,463	\$ 7,454	\$ (41,328)	\$ 197	\$ 5,372	\$ 5,372	
CIRI	Labor	\$ 352	\$ 280	\$ (632)	\$ 324	\$ 331	\$ 74	\$ 680	\$ 605	\$ (2,013)	\$ 504	\$ 476	\$ 476	
CIER	Expense	\$ 139	\$ 7,836	\$ 24,835	\$ 6,959	\$ 73,102	\$ 28,300	\$ 18,078	\$ 14,985	\$ 225,358	\$ 1,578	\$ 32,473	\$ 32,473	
CIER	Labor	\$ 490	\$ 390	\$ 433	\$ 458	\$ 468	\$ 1,633	\$ 815	\$ 547	\$ 2,089	\$ 455	\$ 431	\$ 431	
HECI	Expense	\$ 25	\$ 513	\$ 18,530	\$ 2,139	\$ 5,037	\$ 24,386	\$ 14,855	\$ 21,581	\$ (85,066)	\$ 2,967	\$ 6,678	\$ 6,678	
HECI	Labor	\$ 90	\$ 72	\$ 537	\$ 83	\$ 85	\$ 474	\$ 400	\$ 356	\$ (2,097)	\$ 298	\$ 280	\$ 280	
Total		\$ 1,304	\$ 10,112	\$ 40,376	\$ 28,128	\$ 83,935	\$ 85,078	\$ 44,319	\$ 47,838	\$ 94,585	\$ 9,922	\$ 47,410	\$ 47,410	
Monthly Over(Under)		\$ 16,985	\$ 17,416	\$ 15,982	\$ 43,103	\$ (6,952)	\$ 11,331	\$ 19,866	\$ (11,186)	\$ (72,856)	\$ 14,908	\$ (22,964)	\$ (24,780)	
Cumulative Over(Under)		\$ 372,712	\$ 390,128	\$ 405,790	\$ 448,893	\$ 441,941	\$ 453,273	\$ 473,139	\$ 481,952	\$ 389,095	\$ 404,093	\$ 381,128	\$ 358,338	
INDUSTRIAL														
FY 2018 Over-Collection		\$ 77,348												
Volume Billed		30,295	43,389	89,550	119,894	153,457	142,280	117,521	67,107	42,946	30,381	29,835	30,883	867,818
ECR Surcharge		\$ 0.0531	\$ 0.0568	\$ 0.0568	\$ (0.0075)	\$ (0.0718)	\$ (0.0718)	\$ (0.0548)	\$ (0.0376)	\$ (0.0376)	\$ (0.0338)	\$ (0.0289)	\$ (0.0289)	
Revenue Billed		\$ 1,609	\$ 2,456	\$ 5,069	\$ (899)	\$ (10,088)	\$ (10,187)	\$ (6,417)	\$ (2,523)	\$ (1,615)	\$ (1,025)	\$ (895)	\$ (923)	\$ (26,398)
RHER	Expense	\$ 0	\$ 17	\$ (17)	\$ 43	\$ 95	\$ (138)	\$ -	\$ -	\$ 1,724	\$ -	\$ -	\$ -	
RHER	Labor	\$ 2	\$ 1	\$ (3)	\$ 2	\$ 2	\$ (3)	\$ -	\$ -	\$ 81	\$ -	\$ -	\$ -	
CIRI	Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
CIRI	Labor	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
CIER	Expense	\$ 3	\$ 187	\$ (190)	\$ 168	\$ 1,742	\$ (1,908)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
CIER	Labor	\$ 12	\$ 0	\$ (21)	\$ 11	\$ 11	\$ (22)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total		\$ 17	\$ 214	\$ (232)	\$ 221	\$ 1,850	\$ (2,071)	\$ -	\$ -	\$ 1,785	\$ -	\$ -	\$ -	
Monthly Over(Under)		\$ 1,591	\$ 2,242	\$ 5,300	\$ (1,120)	\$ (12,837)	\$ (8,116)	\$ (8,417)	\$ (2,523)	\$ (3,396)	\$ (1,025)	\$ (895)	\$ (923)	
Cumulative Over(Under)		\$ 78,940	\$ 81,182	\$ 86,482	\$ 85,362	\$ 72,524	\$ 64,408	\$ 57,991	\$ 55,468	\$ 52,069	\$ 51,044	\$ 50,149	\$ 49,225	

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

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

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

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

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

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

Basis Differentials

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

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Actual Natural Gas Billed

	<u>Jul-19</u>	<u>Aug-19</u>	<u>Sep-19</u>
Williams	\$ 3,516,763.91	\$ 3,518,800.33	\$ 3,396,739.74
Texas Eastern	\$ 3,446,477.31	\$ 3,526,938.39	\$ 3,437,325.08
Dominion	\$ 133,266.10	\$ 133,266.10	\$ 129,669.42
Equitrans	\$ -	\$ -	\$ -
Spot Purchases -Transco	\$ 25,688.88	\$ 33,931.22	\$ 25,091.92
Spot Purchases -Tetco	\$ -	\$ -	\$ -
Transco Supply2	\$ -	\$ -	\$ -
Transco Supply3	\$ -	\$ -	\$ -
Transco Supply6	\$ 316,200.00	\$ 295,275.00	\$ 285,750.00
Transco Supply7	\$ -	\$ -	\$ -
Transco Supply8	\$ -	\$ -	\$ -
Transco Supply10	\$ -	\$ -	\$ -
Transco Supply12	\$ -	\$ -	\$ -
Transco Supply14	\$ 776,550.00	\$ 674,250.00	\$ 652,500.00
Transco Supply17	\$ -	\$ -	\$ -
Transco Supply20	\$ -	\$ -	\$ -
Transco Supply21	\$ -	\$ -	\$ -
Transco Supply22	\$ -	\$ -	\$ -
Transco Supply23	\$ -	\$ -	\$ -
Transco Supply24	\$ -	\$ -	\$ -
Transco Supply25	\$ -	\$ -	\$ -
Transco Supply26	\$ -	\$ -	\$ -
Transco Supply27	\$ -	\$ -	\$ -
Transco Supply28	\$ -	\$ -	\$ -
Transco Supply29	\$ 319,300.00	\$ 299,150.00	\$ 289,500.00
Transco Supply30	\$ 476,308.50	\$ 863,566.00	\$ 382,490.00
Transco Supply31	\$ -	\$ -	\$ -
Transco Supply32	\$ 316,587.50	\$ 294,500.00	\$ 285,000.00
Transco Supply33	\$ -	\$ -	\$ -
Transco Supply34	\$ 35,070.50	\$ 945.50	\$ 915.00
Transco Supply35	\$ -	\$ -	\$ -
Transco Supply36	\$ 210,675.00	\$ -	\$ -
Transco Supply37	\$ 427,480.39	\$ 396,076.15	\$ 407,178.30
Tetco Supply1	\$ -	\$ -	\$ -
Tetco Supply2	\$ -	\$ -	\$ -
Tetco Supply3	\$ 4,650.00	\$ 4,650.00	\$ 4,500.00
Tetco Supply4	\$ -	\$ -	\$ -
Tetco Supply5	\$ -	\$ -	\$ -
Tetco Supply7	\$ -	\$ -	\$ -
Tetco Supply13	\$ -	\$ -	\$ -
Tetco Supply14	\$ -	\$ -	\$ -
Tetco Supply16	\$ 293,337.50	\$ 276,287.50	\$ 232,875.00
Tetco Supply17	\$ -	\$ -	\$ -
Tetco Supply18	\$ -	\$ -	\$ -
Tetco Supply19	\$ -	\$ -	\$ -
Tetco Supply20	\$ -	\$ -	\$ -
Tetco Supply21	\$ -	\$ -	\$ -
Tetco Supply22	\$ -	\$ -	\$ -
Tetco Supply23	\$ -	\$ -	\$ -
Tetco Supply24	\$ 1,075,320.00	\$ 902,243.75	\$ 749,400.00
Tetco Supply25	\$ -	\$ -	\$ -
Tetco Supply26	\$ 293,337.50	\$ 276,287.50	\$ 232,875.00
Tetco Supply27	\$ -	\$ -	\$ -
Tetco Supply28	\$ 585,900.00	\$ 551,800.00	\$ 465,000.00
Tetco Supply29	\$ -	\$ -	\$ -
Tetco Supply30	\$ -	\$ -	\$ -
Tetco Supply31	\$ -	\$ -	\$ -
Tetco Supply32	\$ -	\$ -	\$ -
Total Costs	\$ 12,252,913	\$ 12,047,987	\$ 10,976,809
Sharing Mechanism	\$ 72,543	\$ 73,975	\$ 96,186
Asset Management Agreement	\$ -	\$ -	\$ -
Off System Sales	\$ -	\$ -	\$ -
Gas Transportation Purchases	\$ -	\$ -	\$ -
Adjustment/Reconciliation	\$ 37,993	\$ (161,075)	\$ -
Total Natural Gas Billed	\$ 12,363,449	\$ 11,960,867	\$ 11,072,995

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

	Actual			Total	Projected 3rd Qtr Filing Jul-19	Projected 4th Qtr Filing Aug-19	Projected 4th Qtr Filing Sep-19	Total	Actual Over/Under vs. Projected			
	Jul-19	Aug-19	Sep-19						Jul-19	Aug-19	Sep-19	Total
Total Natural Gas Billed	\$ 12,363,449	\$ 11,960,867	\$ 11,072,995	\$ 35,397,311	\$ 13,886,349	\$ 12,750,622	\$ 14,570,333	\$ 41,007,304	\$ (1,322,900)	\$ (786,755)	\$ (3,497,338)	\$ (5,600,993)
Less Imbalance Charge	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Less Interruptible Credit	\$ 4,164	\$ 3,048	\$ 22,749	\$ 29,961	\$ 133,652	\$ 124,141	\$ 108,885	\$ 366,778	\$ (129,488)	\$ (121,063)	\$ (89,236)	\$ (339,817)
Gas Used For Utility	\$ 7,183	\$ 4,527	\$ 11,895	\$ 23,585	\$ 29,882	\$ 28,241	\$ 22,801	\$ 77,903	\$ (19,799)	\$ (23,714)	\$ (10,708)	\$ (54,218)
	\$ 12,362,122	\$ 11,963,292	\$ 11,094,351	\$ 35,343,765	\$ 13,523,730	\$ 12,598,240	\$ 14,438,747	\$ 40,562,723	\$ (1,173,614)	\$ (844,948)	\$ (3,400,396)	\$ (5,218,958)
Pipeline Storage												
(To)	\$ (3,575,134)	\$ (3,275,783)	\$ (2,322,036)	\$ (9,172,953)	\$ (4,087,395)	\$ (4,308,258)	\$ (5,930,392)	\$ (14,327,045)	\$ 512,201	\$ 1,033,475	\$ 3,606,358	\$ 5,154,092
From	\$ (139,888)	\$ (52,393)	\$ (89,882)	\$ (282,063)	\$ -	\$ -	\$ -	\$ -	\$ (139,888)	\$ (52,393)	\$ (89,882)	\$ (282,063)
Net Pipeline Storage	\$ (3,715,122)	\$ (3,328,176)	\$ (2,411,718)	\$ (9,455,016)	\$ (4,087,395)	\$ (4,308,258)	\$ (5,930,392)	\$ (14,327,045)	\$ 372,273	\$ 981,082	\$ 3,518,874	\$ 4,872,029
LNG Storage												
(To)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (7,562)	\$ (7,562)	\$ -	\$ -	\$ 7,562	\$ 7,562
From	\$ 189,784	\$ 173,565	\$ 171,252	\$ 514,581	\$ 235,374	\$ 239,513	\$ 232,132	\$ 707,019	\$ (65,610)	\$ (65,948)	\$ (60,880)	\$ (192,438)
Net LNG Storage	\$ 189,784	\$ 173,565	\$ 171,252	\$ 514,581	\$ 235,374	\$ 239,513	\$ 224,570	\$ 699,457	\$ (65,610)	\$ (65,948)	\$ (53,318)	\$ (184,876)
Net Natural Gas	\$ 8,806,764	\$ 8,798,681	\$ 8,797,865	\$ 26,403,330	\$ 9,873,714	\$ 8,528,490	\$ 8,732,925	\$ 26,935,135	\$ (868,951)	\$ 270,185	\$ 84,960	\$ (531,805)
APPLICABLE GCR EXPENSES												
Net Natural Gas Expense	\$ 8,806,764	\$ 8,798,681	\$ 8,797,865	\$ 26,403,330	\$ 9,873,715	\$ 8,528,490	\$ 8,732,925	\$ 26,935,135	\$ (868,951)	\$ 270,185	\$ 84,960	\$ (531,805)
Purchased Electric & Misc	\$ 34,463	\$ 31,380	\$ 31,570	\$ 97,413	\$ 36,374	\$ 30,928	\$ 31,859	\$ 101,962	\$ (4,911)	\$ 458	\$ (89)	\$ (4,543)
Total GCR Expenses	\$ 8,841,227	\$ 8,830,061	\$ 8,829,435	\$ 26,500,743	\$ 9,910,089	\$ 8,559,418	\$ 8,764,784	\$ 27,037,097	\$ (873,862)	\$ 270,643	\$ 84,871	\$ (536,348)

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