



PHILADELPHIA GAS WORKS

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November 30, 2021

Via E-Filing Only

Rosemary Chiavetta, Secretary
Pennsylvania Public Utility Commission
400 North Street
Harrisburg, PA 17120

Re: PUC v. Philadelphia Gas Works (1st Quarter 2021-2022 GCR Filing Docket Number R-2021-3023970).

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. 146;
- 2) PGW Gas Supplier Tariff, Pa. P.U.C. No. 1, Supplement No. 98; and
- 3) Supporting Schedules for PGW's 1st Quarter Gas Cost Rate filing.

These supplements are being filed to implement PGW's 1st Quarter 2021-2022 GCR consistent with the Commission's Order entered August 26, 2021 at Docket No. R-2021-3023970 approving PGW's 2021-2022 GCR. The tariff supplements are to become effective on December 1, 2021.

Respectfully,

/s/ Craig W. Berry
Craig W. Berry, Esquire

Enclosure

cc: Certificate of Service (email only)



PHILADELPHIA GAS WORKS

800 West Montgomery Avenue • Philadelphia, PA 19122

CERTIFICATE OF SERVICE

I hereby certify that this day I served a copy of PGW's 1st Quarter 2021-2022 GCR upon the persons listed below in the manner indicated in accordance with the requirements of 52 Pa. Code Section 1.54.

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Dated: November 30, 2021

/s/ Craig W. Berry
Craig W. Berry, Esq.

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

Supplement No. 146

PHILADELPHIA GAS WORKS
GAS SERVICE TARIFF



Issued by: Seth Shapiro
President and CEO

PHILADELPHIA GAS WORKS
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Philadelphia, PA 19122

Rates to become effective December 1, 2021 in accordance with
the Commission's Order entered August 26, 2021 at Docket No. R-2021-3023970
approving PGW's 2021-2022 Gas Cost Rate

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

UNACCOUNTED FOR GAS – SECTION 1307f, II DEFINITIONS (PAGE No. 14)

In the definition of Unaccounted for Gas, the Lost and Unaccounted for Gas and Retainage percentage effective December 1, 2021 decreases from 2.6% to 2.3%.

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

In the definition of “GAC,” the GAC value effective December 1, 2021, increases from \$(0.04360) per Ccf to \$(0.03680) per Ccf.

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

In the definition of “IRC,” the IRC value effective December 1, 2021 is \$0.00077 per Ccf. In the definition of “SSC,” the SSC value effective December 1, 2021, increases from \$0.53160 per Ccf to \$0.63857.

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

The Gas Cost Rate (GCR) effective December 1, 2021 increases from \$0.48745 per Ccf to \$0.60100.

PRICE TO COMPARE (PAGE No. 78)

The Prices to Compare effective December 1, 2021 are: (a) \$0.62753 per Ccf for Residential (GS-RES); (b) \$0.62753 per Ccf for Public Housing Customers (GS-PH); (c) \$0.61124 per Ccf for Commercial (GS-COM); (d) \$0.60829 per Ccf for Industrial (GS-IND); (e) \$0.60577 per Ccf for Municipal Service (MS); (f) \$0.60577 per Ccf for Philadelphia Housing Authority (PHA); and (g) \$0.60577 per Ccf for Natural Gas Vehicle Service (NGVS).

EFFICIENCY COST RECOVERY SURCHARGE (PAGE No. 80)

The Efficiency Cost Recovery Surcharge rates effective December 1, 2021 are: (a) \$0.00217 per Ccf for Residential and Public Housing Customers on Rate GS; (b) \$0.00278 per Ccf for Commercial Customers on Rate GS; (c) \$(0.00129) per Ccf for Industrial Customers on Rate GS; and, (d) \$0.00278 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, 2021 increases from \$0.15844 per Ccf to \$0.17523 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, 2021 increases from \$0.48745 per Ccf to \$0.60100 per Ccf.

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UNACCOUNTED FOR GAS (for the purpose of calculating retainage) – Unaccounted for gas is the difference in the amount of gas delivered to the Company's distribution system and the amount billed to customers. The current Lost and Unaccounted for Gas and Retainage Rate percentage is 2.3%. 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 (\$0.02320) per Ccf for Commodity Costs and (\$0.01360) per Ccf for Demand Costs, for service on or after December 1, 2021. The total GAC is (\$0.03680) 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

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IRC - Interruptible Revenue Credit - The credit defined in Subsection VI below. The currently effective IRC is \$0.00077 per Ccf for service on or after December 1, 2021.

(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 \$0.45007 per Ccf for Commodity Costs and \$0.18850 per Ccf for Demand Costs, for service on or after December 1, 2021. The total SSC is \$0.63857 per Ccf.

(I)

(I) – Increase

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III. COMPUTATION OF GAS COST RATE

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

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

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

The currently effective Gas Cost Rate is \$0.60100 per Ccf, for service on or after December 1, 2021.

(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: 3.62% - GS Residential (“GS RES”); 3.62% - GS Public Housing (“GS PHA”); 0.91% - GS Commercial (“GS COM”); and 0.42% - 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	\$0.63857	\$0.63857	\$0.63857	\$0.63857	\$0.63857	\$0.63857	\$0.63857	(C)
GAC	(\$0.03680)	(\$0.03680)	(\$0.03680)	(\$0.03680)	(\$0.03680)	(\$0.03680)	(\$0.03680)	
MFC	\$0.02176	\$0.02176	\$0.00547	\$0.00252	\$0.00000	\$0.00000	\$0.00000	(C)
GPC	\$0.00400	\$0.00400	\$0.00400	\$0.00400	\$0.00400	\$0.00400	\$0.00400	(C)
PTC	\$0.62753	\$0.62753	\$0.61124	\$0.60829	\$0.60577	\$0.60577	\$0.60577	(C)

(C) – Change

(C)
(C)
(C)

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) \$0.00217 per Ccf for Residential and Public Housing Customers on Rate GS;
- b) \$0.00278 per Ccf for Commercial Customers on Rate GS;
- c) \$(0.00129) per Ccf for Industrial Customers on Rate GS;
- d) \$0.00000 per Ccf for Municipal Customers on Rate MS; and
- e) \$0.00278 per Ccf for The Philadelphia Housing Authority on Rate PHA.

(I)
(I)
(D)
(NC)
(I)

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

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

UNIVERSAL SERVICE AND ENERGY CONSERVATION SURCHARGE

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

1. The Surcharge will recover: 1) the discounts provided to Customers pursuant to the Customer Responsibility Program (CRP); 2) the discounts provided to Customers pursuant to the Senior Citizen Discount; 3) the costs of 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 = \$0.17523/Ccf.

(I)

(I) - Increase

GENERAL SERVICE - RATE GS

Rate: Applicable to all Retail Sales Service or Transportation Service rendered pursuant to this Rate Schedule on or after December 1, 2021. (C)

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. Not available for back-up service, refer to Rate BUS.

RATES

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

\$ 14.45	per month for Residential and Public Housing Authority Customers.
\$ 24.60	per month for Commercial Customers
\$ 73.60	per month for Industrial Customers

Surcharge: Distribution System Improvement Charge.

Plus,

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

\$0.60100	per Ccf for Residential and Public Housing	(I)
\$0.60100	per Ccf for Commercial Customers	(I)
\$0.60100	per Ccf for Industrial Customers	(I)

Plus,

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

(A) Delivery Charge:

\$0.70318	per Ccf for Residential
\$0.61783	per Ccf for Public Housing
\$0.50488	per Ccf for Commercial Customers
\$0.49951	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; (C) - Change

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, 2021.

(C)

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):

\$ 24.60 per month

Surcharge: Distribution System Improvement Charge.

Plus,

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

\$0.60100 per Ccf

(I)

Plus,

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

(A) Delivery Charge:

\$0.45596 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, (C) – Change

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, 2021.

(C)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);

\$24.60 per month

Surcharge: Distribution System Improvement Charge.

Plus,

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

\$0.60100 per Ccf

Plus

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

(A) Delivery Charge:

\$0.52623 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, (C) – Change

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, 2021. **(C)**

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):

\$0.60100 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, (C) - Change

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

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

Supplement No. 98

PHILADELPHIA GAS WORKS
GAS SUPPLIER TARIFF



Issued by: Seth Shapiro
President and CEO

PHILADELPHIA GAS WORKS
800 West Montgomery Avenue
Philadelphia, PA 19122

Rates to become effective December 1, 2021 in accordance with
the Commission's Order entered August 26, 2021 at Docket No. R-2021-3023970
approving PGW's 2021-2022 Gas Cost Rate

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, 2021, is \$55.4371 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 \$55.4371 per design day Mcf that is fulfilled by PGW storage and peaking assets, for recovery of those costs for Balancing Service, calculated in the manner set forth in the Commission's Order at M-00021612 (entered March 31, 2003) and as set forth below. Such rate for Balancing Service shall be increased or decreased, from time to time, in accordance with applicable law and procedures. (I)

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

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

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

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

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

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

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

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

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

"S₁" – projected Mcf of storage gas/LNG to be delivered to Customers to meet design day needs during the projected period when rates will be in effect.

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

(I) – Increase

Supporting Schedules
December 1, 2021
1st QUARTER
GCR FILING

December 1, 2021

1st QUARTER GCR FILING

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Philadelphia Gas Works

Levelized Gas Cost Rate

December 1, 2021

Formula:

GCR = SSC + GAC - IRC

where:

	<u>Demand</u>	<u>Commodity</u>	<u>Total</u>	
S = Firm Sales (Mcf)			44,228,122	Schedule 2
<hr/>				
Net Natural Gas Expense	\$ 75,040,591	\$ 194,205,984	\$ 269,246,575	
Purchased Electric & Misc Expenses	\$ -	\$ 646,821	\$ 646,821	
Total Natural Gas Expense	\$ 75,040,591	\$ 194,852,805	\$ 269,893,396	Schedule 3
C-Factor Reconciliation	\$ 8,259,707	\$ 4,044,982	\$ 12,304,689	Schedule 7(b)
C = Total Applicable GCR Expense	\$ 83,300,298	\$ 198,897,787	\$ 282,198,085	
SSC = C / S	\$ 1.8834	\$ 4.4971	\$ 6.3805	
<hr/>				
Adjustment For:				
E-Factor Volumes (Mcf)			39,286,278	
E-Factor Reconciliation	\$ (6,085,959)	\$ (10,380,380)	\$ (16,466,338)	Schedule 7(c)
	\$ (6,085,959)	\$ (10,380,380)	\$ (16,466,338)	
E = E-Factor	\$ (0.1549)	\$ (0.2642)	\$ (0.4191)	
<hr/>				
Interruptible Revenue Credit			\$ 334,313	Schedule 4(a)
IRC = Interruptible Revenue Credit / S			\$ 0.0076	
<hr/>				
Net Applicable GCR Expenses = C + E - Interruptible Revenue Credit			\$ 265,397,434	
<u>GCR = SSC + GAC - IRC</u>			\$ 5.9538	
<hr/>				
SSC in effect 12/01/21	\$ 1.8850	\$ 4.5007	\$ 6.3857	
GAC in effect 12/01/21	\$ (0.1360)	\$ (0.2320)	\$ (0.3680)	
IRC in effect 12/01/21			\$ (0.0077)	
GCR in effect 12/01/21			\$ 6.0100	Schedule 8
<hr/>				
Recovery Test on:				
Firm Sales (Mcf)			44,228,122	
= GCR Projected Recovery		\$	262,650,956	
= Load Balancing Revenue		\$	2,708,298	
= LNG Sales Demand Revenue		\$	37,668	
= Total Projected Recovery		\$	265,396,921	Schedule 8
Compared To				
Net Applicable GCR Expenses		\$	265,397,434	
= Net Over/(Under) Recovery		\$	(512)	
<hr/>				
Degree Days			3,893	

Philadelphia Gas Works

Price To Compare (\$ / MCF)

December 1, 2021

	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	\$6.0100	(\$0.3757)	\$6.3857	3.62%	\$0.2176	\$0.0400	(\$0.3680)	\$6.2753
Commercial GS	\$6.0100	(\$0.3757)	\$6.3857	0.91%	\$0.0547	\$0.0400	(\$0.3680)	\$6.1124
Industrial GS	\$6.0100	(\$0.3757)	\$6.3857	0.42%	\$0.0252	\$0.0400	(\$0.3680)	\$6.0829
Phila. Housing Authority (PHA)	\$6.0100	(\$0.3757)	\$6.3857	0.00%	\$0.0000	\$0.0400	(\$0.3680)	\$6.0577
Municipal (MS)	\$6.0100	(\$0.3757)	\$6.3857	0.00%	\$0.0000	\$0.0400	(\$0.3680)	\$6.0577
NGV Firm	\$6.0100	(\$0.3757)	\$6.3857	0.00%	\$0.0000	\$0.0400	(\$0.3680)	\$6.0577
Phila. Housing Authority (GS)	\$6.0100	(\$0.3757)	\$6.3857	3.62%	\$0.2176	\$0.0400	(\$0.3680)	\$6.2753

SALES & VOLUMES

DECEMBER 2021 THROUGH NOVEMBER 2022

MONTH		TOTAL	FIRM	BILLED	INTERRUPTIBLE	LNG	AIR	GCR FIRM	SENIOR	APPLICABLE
		VOLUMES	TRANSPORT	SALES	SALES	SALES	CONDITIONING	SALES	CITIZEN	VOLUMES
		1	2	3 = (1 - 2)	4	4A	4B	5 = (3 - 4 - 4A - 4B)	6	7 = (5 - 6 + 2)
DECEMBER	2021	6,436,335	848,459	5,587,876	20,090	1,851	-	5,565,936	18,550	6,395,844
JANUARY	2022	11,213,784	1,341,586	9,872,198	20,090	1,851	-	9,850,258	33,735	11,158,109
FEBRUARY		9,452,856	1,137,648	8,315,209	18,145	1,672	-	8,295,392	27,994	9,405,046
MARCH		7,248,960	898,801	6,350,159	20,090	1,851	-	6,328,219	20,725	7,206,294
APRIL		4,899,144	593,963	4,305,181	19,442	1,791	-	4,283,948	13,737	4,864,174
MAY		2,286,129	313,302	1,972,827	20,090	1,851	-	1,950,887	5,558	2,258,630
JUNE		1,360,131	223,789	1,136,343	19,442	1,791	4	1,115,106	2,476	1,336,419
JULY		1,212,703	204,078	1,008,625	20,090	1,851	48	986,637	2,103	1,188,612
AUGUST		1,121,103	189,267	931,836	20,090	1,851	-	909,895	1,922	1,097,240
SEPTEMBER		1,081,012	183,943	897,069	19,442	1,644	-	875,983	1,826	1,058,100
OCTOBER		1,525,160	266,901	1,258,259	20,090	1,699	-	1,236,471	2,758	1,500,614
NOVEMBER		<u>3,344,011</u>	<u>493,535</u>	<u>2,850,476</u>	<u>19,442</u>	<u>1,644</u>	-	<u>2,829,391</u>	<u>7,696</u>	<u>3,315,229</u>
TOTAL		51,181,328	6,695,270	44,486,058	236,539	21,345	52	44,228,122	139,080	50,784,312

**Projected Applicable Fuel Expense
December 1, 2021 GCR Filing**

	DECEMBER 2021	JANUARY 2022	FEBRUARY 2022	MARCH 2022	APRIL 2022	MAY 2022	JUNE 2022	JULY 2022	AUGUST 2022	SEPTEMBER 2022	OCTOBER 2022	NOVEMBER 2022	TOTAL
NATURAL GAS BILLED													
DEMAND CHARGE	\$5,461,474	\$5,459,610	\$5,492,847	\$5,414,336	\$6,754,814	\$6,724,416	\$6,750,510	\$6,720,516	\$6,718,589	\$6,396,858	\$6,353,718	\$6,792,903	\$75,040,591
COMMODITY CHARGE	\$27,230,721	\$25,273,512	\$22,664,864	\$21,053,254	\$14,930,485	\$15,827,493	\$12,492,928	\$12,826,251	\$12,018,209	\$12,045,947	\$15,681,039	\$21,337,441	\$213,382,145
TOTAL NATURAL GAS BILLED	\$32,692,195	\$30,733,122	\$28,157,711	\$26,467,590	\$21,685,299	\$22,551,909	\$19,243,439	\$19,546,767	\$18,736,798	\$18,442,805	\$22,034,757	\$28,130,344	\$288,422,735
INTERRUPTIBLE & A/C CREDIT	\$93,829	\$88,894	\$80,778	\$91,350	\$80,323	\$83,220	\$76,783	\$78,378	\$78,518	\$74,885	\$80,158	\$79,897	\$987,014
SENDOUT VOLUME IN MCF	20,563	20,563	18,573	20,563	19,899	20,563	19,903	20,612	20,563	19,899	20,563	19,899	242,161
DKT CONVERSION FACTOR	1.031	1.031	1.031	1.031	1.031	1.031	1.031	1.031	1.031	1.031	1.031	1.031	
PRICE \$/DKT	\$4.4259	\$4.1931	\$4.2185	\$4.3090	\$3.9151	\$3.9255	\$3.7418	\$3.6883	\$3.7037	\$3.6500	\$3.7811	\$3.8943	
GAS USED FOR UTILITY	\$175,615	\$210,068	\$186,479	\$135,703	\$74,836	\$53,697	\$30,505	\$21,195	\$21,884	\$33,433	\$44,421	\$96,156	\$1,083,993
NATURAL GAS TO STORAGE	(\$435,237)	\$0	\$0	(\$604,545)	(\$4,663,094)	(\$9,305,638)	(\$9,084,041)	(\$9,381,292)	(\$8,570,845)	(\$8,645,719)	(\$8,920,668)	\$0	(\$59,611,078)
FROM STORAGE PGW	\$8,049,596	\$13,845,609	\$10,915,935	\$7,558,154	\$2,697,864	\$0	\$0	\$0	\$0	\$0	\$0	\$617,398	\$43,684,557
FT FROM STORAGE	\$934,927	\$1,335,372	\$1,009,274	\$371,582	\$55,478	\$0	\$0	\$0	\$0	\$0	\$0	\$175,372	\$3,882,004
NET NATURAL GAS STORAGE	\$7,614,359	\$13,845,609	\$10,915,935	\$6,953,609	(\$1,965,230)	(\$9,305,638)	(\$9,084,041)	(\$9,381,292)	(\$8,570,845)	(\$8,645,719)	(\$8,920,668)	\$617,398	(\$15,926,522)
LNG TO STORAGE	(\$1,248,203)	(\$811,042)	(\$988,281)	(\$1,451,618)	(\$654,806)	(\$269,447)	\$0	\$0	\$0	(\$6,940)	(\$573,256)	(\$1,489,776)	(\$7,493,370)
FROM LNG PGW	\$1,154,914	\$1,434,735	\$1,187,246	\$311,235	\$279,041	\$291,466	\$282,834	\$292,261	\$292,261	\$281,808	\$292,228	\$287,082	\$6,387,112
FT FROM LNG	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
NET LNG STORAGE	(\$93,289)	\$623,693	\$198,966	(\$1,140,383)	(\$375,766)	\$22,020	\$282,834	\$292,261	\$292,261	\$274,869	(\$281,029)	(\$1,202,695)	(\$1,106,258)
LNG SALES FROM LNG TANK	\$5,336	\$5,620	\$5,268	\$6,091	\$6,226	\$6,541	\$6,366	\$6,578	\$6,578	\$5,843	\$6,038	\$5,888	\$72,373
SENDOUT VOLUMES (MCF)	1,851	1,851	1,672	1,851	1,791	1,851	1,791	1,851	1,851	1,644	1,699	1,644	21,345
@ AVG LNG COMMODITY RATE	\$2.8834	\$3.0364	\$3.1516	\$3.2913	\$3.4761	\$3.5343	\$3.5543	\$3.5543	\$3.5543	\$3.5543	\$3.5546	\$3.5818	
NET NATURAL GAS EXPENSE	\$39,938,484	\$44,897,842	\$39,000,086	\$32,047,672	\$19,182,919	\$13,124,833	\$10,328,578	\$10,351,585	\$10,351,234	\$9,957,794	\$12,702,442	\$27,363,107	\$269,246,575
APPLICABLE GCR EXPENSE													
NET NATURAL GAS EXPENSE	\$39,938,484	\$44,897,842	\$39,000,086	\$32,047,672	\$19,182,919	\$13,124,833	\$10,328,578	\$10,351,585	\$10,351,234	\$9,957,794	\$12,702,442	\$27,363,107	\$269,246,575
PURCHASED ELECTRIC & MISC	\$48,280	\$57,644	\$51,959	\$54,796	\$45,139	\$33,072	\$45,928	\$30,391	\$39,654	\$31,196	\$35,412	\$48,350	\$521,821
PLANALYTICS	\$0	\$125,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$125,000
TOTAL APPLICABLE EXPENSES	\$39,986,765	\$45,080,486	\$39,052,044	\$32,102,468	\$19,228,058	\$13,157,905	\$10,374,505	\$10,381,976	\$10,390,888	\$9,988,989	\$12,737,854	\$27,411,456	\$269,893,396
TOTAL GCR FIRM SALES	5,565,936	9,850,258	8,295,392	6,328,219	4,283,948	1,950,887	1,115,106	986,637	909,895	875,983	1,236,471	2,829,391	44,228,122

INTERRUPTIBLE REVENUE CREDIT
December 1, 2021

Fiscal Year 2021 Reconciliation (8/31/21) \$ 126,169

<u>MONTH</u>	<u>IRC CREDIT</u>	<u>MARGIN</u>	
September-21	Actual \$ (3,866)	\$ 23,451	
October	Actual \$ (5,659)	\$ 15,490	
November	Estimated \$ (13,257)	\$ 14,580	
Act/Est IRC Credit September 2021 to November 2021	<u>\$ (22,782)</u>		
Act/Est Margin September 2021 to November 2021		<u>\$ 53,522</u>	<u>\$ 53,522</u>

FY 2021 Reconciliation Plus Act/Est Margin September 2021 to November 2021 \$ 179,691

FY 2021 Reconciliation Plus Act/Est Margin September 2021 to November 2021	\$ 179,691	
Act/Est IRC Credit September 2021 to November 2021	<u>\$ (22,782)</u>	
Reconciliation as of November 30, 2021	\$ 156,909	
Margin - December 2021 through November 2022	<u>\$ 177,404</u>	Schedule 4(b)
December 1, 2021 Interruptible Revenue Credit	\$ 334,313	

GCR Firm Sales **44,228,122** Schedule 2

December 1, 2021 IRC/Mcf \$ 0.0076

INTERRUPTIBLE REVENUE MARGIN
December 1, 2021

<u>MONTH</u>		<u>MARGIN</u>
December-21	Estimated	\$ 15,067
January-22	Estimated	\$ 15,068
February	Estimated	\$ 13,609
March	Estimated	\$ 15,068
April	Estimated	\$ 14,581
May	Estimated	\$ 15,068
June	Estimated	\$ 14,581
July	Estimated	\$ 15,067
August	Estimated	\$ 15,067
September	Estimated	\$ 14,581
October	Estimated	\$ 15,068
November	Estimated	\$ 14,581
Total		\$ <u>177,404</u>

**INTERRUPTIBLE REVENUE CREDIT
FINALIZED RECONCILIATION FY 2021**

Fiscal Year 2020 Reconciliation (8/31/20) \$ (89,542)

<u>MONTH</u>	<u>IRC CREDIT</u>	<u>MARGIN</u>	
September-20	Actual \$ 1,878	\$ 930	
October	Actual \$ 1,980	\$ 855	
November	Actual \$ 4,602	\$ 751	
December	Actual \$ 8,352	\$ 1,094	
January-21	Actual \$ 9,823	\$ 11,463	
February	Actual \$ 11,162	\$ 18,765	
March	Actual \$ 6,444	\$ 24,609	
April	Actual \$ 2,939	\$ 26,869	
May	Actual \$ 1,590	\$ 20,592	
June	Actual \$ (1,016)	\$ 21,519	
July	Actual \$ (2,497)	\$ 20,479	
August	Actual \$ (2,334)	\$ 24,862	
Actual IRC Credit September 2020 to August 2021	<u>\$ 42,923</u>		
Actual Margin September 2020 to August 2021		<u>\$ 172,788</u>	<u>\$ 172,788</u>
FY 2020 Reconciliation Plus Actual Margin September 2020 to August 2021			<u>\$ 83,246</u>

FY 2020 Reconciliation Plus Actual Margin September 2020 to August 2021	\$ 83,246
Actual IRC Credit September 2020 to August 2021	<u>\$ 42,923</u>
Reconciliation as of August 31, 2021	\$ 126,169

**FISCAL YEAR 2021
PHILADELPHIA GAS WORKS
INTEREST CALCULATION**

<u>MONTH</u>	NET COST	TOTAL	OVER/	INTEREST	TIME	INTEREST	INTEREST	TOTAL
	OF FUEL ⁽¹⁾	C FACTOR REVENUE BILLED ⁽¹⁾	(UNDER) RECOVERY 3 = (2 - 1)	RATE 4	FACTOR 5	EXPENSE 6 = (3*4*5)	NATURAL GAS REFUNDS ⁽²⁾ 7	INTEREST 8 = (6+7) 8
	1	2	3 = (2 - 1)	4	5	6 = (3*4*5)	7	8 = (6+7)
	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)
SEPTEMBER 20	7,245,938	3,835,865	(3,410,073)	3.25%	18/12	(166,241)	-	(166,241)
OCTOBER	8,115,784	5,078,175	(3,037,609)	3.25%	17/12	(139,857)	209	(139,648)
NOVEMBER	12,822,898	11,546,906	(1,275,992)	3.25%	16/12	(55,293)	-	(55,293)
DECEMBER	21,092,098	24,343,122	3,251,024	3.25%	15/12	132,073	-	132,073
JANUARY 21	23,415,553	34,066,390	10,650,837	3.25%	14/12	403,844	24	403,868
FEBRUARY	28,072,641	38,680,206	10,607,564	3.25%	13/12	373,475	-	373,475
MARCH	17,592,429	24,382,630	6,790,201	3.25%	12/12	220,682	-	220,682
APRIL	9,700,932	12,537,108	2,836,176	3.25%	11/12	84,494	2,337	86,831
MAY	8,862,196	6,862,659	(1,999,536)	3.25%	10/12	(54,154)	-	(54,154)
JUNE	8,195,424	4,425,880	(3,769,544)	3.25%	9/12	(91,883)	134	(91,749)
JULY	9,472,273	3,661,348	(5,810,925)	3.25%	8/12	(125,903)	119	(125,784)
AUGUST	7,901,509	3,435,438	(4,466,070)	3.25%	7/12	(84,669)	-	(84,669)
Total	162,489,674	172,855,727	10,366,053			496,568	2,823	499,391

(1) See Schedule 7(b)

(2) See Schedule 5(c)

**FISCAL YEAR 2021
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 20	0	6.00%	18/12	0
OCTOBER	2,460	6.00%	17/12	209
NOVEMBER	0	6.00%	16/12	0
DECEMBER	0	6.00%	15/12	0
JANUARY 21	345	6.00%	14/12	24
FEBRUARY	0	6.00%	13/12	0
MARCH	0	6.00%	12/12	0
APRIL	42,490	6.00%	11/12	2,337
MAY	0	6.00%	10/12	0
JUNE	2,983	6.00%	9/12	134
JULY	2,981	6.00%	8/12	119
AUGUST	0	6.00%	7/12	0
TOTAL	51,260			2,823

**FISCAL YEAR 2021
PHILADELPHIA GAS WORKS
DEMAND AND COMMODITY INTEREST CALCULATION**

MONTH	OVER/(UNDER)	DEMAND CHARGE	COMMODITY CHARGE	INTEREST	TIME	DEMAND	COMMODITY	TOTAL	INTEREST ON	TOTAL		
	RECOVERY (1)	OVER/(UNDER)	OVER/(UNDER)			INTEREST	EXPENSE	INTEREST		INTEREST	REFUNDS (3)	INTEREST
	1	2	3=(1-2)			4	5	6=(2*4*5)		7=(3*4*5)	8=(6+7)	9
	(\$)	(\$)	(\$)			(\$)	(\$)	(\$)	(\$)	(\$)		
SEPTEMBER 20	(3,410,073)	(4,141,563)	731,490	3.25%	18/12	(201,901)	35,660	(166,241)	0	(166,241)		
OCTOBER	(3,037,609)	(4,270,777)	1,233,167	3.25%	17/12	(196,634)	56,777	(139,857)	209	(139,648)		
NOVEMBER	(1,275,992)	(1,854,850)	578,858	3.25%	16/12	(80,377)	25,084	(55,293)	0	(55,293)		
DECEMBER	3,251,024	2,894,165	356,859	3.25%	15/12	117,575	14,497	132,073	0	132,073		
JANUARY 21	10,650,837	7,786,110	2,864,728	3.25%	14/12	295,223	108,621	403,844	24	403,868		
FEBRUARY	10,607,564	9,681,472	926,092	3.25%	13/12	340,869	32,606	373,475	0	373,475		
MARCH	6,790,201	3,498,168	3,292,033	3.25%	12/12	113,690	106,991	220,682	0	220,682		
APRIL	2,836,176	(1,520,824)	4,357,000	3.25%	11/12	(45,308)	129,802	84,494	2,337	86,831		
MAY	(1,999,536)	(3,348,154)	1,348,617	3.25%	10/12	(90,679)	36,525	(54,154)	0	(54,154)		
JUNE	(3,769,544)	(4,149,144)	379,601	3.25%	9/12	(101,135)	9,253	(91,883)	134	(91,749)		
JULY	(5,810,925)	(4,535,662)	(1,275,263)	3.25%	8/12	(98,273)	(27,631)	(125,903)	119	(125,784)		
AUGUST	(4,466,070)	(4,586,856)	120,786	3.25%	7/12	(86,959)	2,290	(84,669)	0	(84,669)		
TOTAL FY 2021	10,366,053	(4,547,915)	14,913,968			(33,908)	530,476	496,568		499,391		

**ACTUAL / ESTIMATED DATA - FISCAL YEAR 2021
PHILADELPHIA GAS WORKS**

Rate	7/1/2020	Split Month 9/1/2020	10/1/2020	Split Month 12/1/2020	1/1/2021	Split Month 3/1/2021	4/1/2021	Split Month 6/1/2021	7/1/2021
	SSC in Effect	\$ 3.5893	\$ 3.8875	\$ 4.1857	\$ 4.3344	\$ 4.4830	\$ 4.1303	\$ 3.7775	\$ 3.7692
GAC in Effect	\$ 0.0208	\$ (0.3780)	\$ (0.7767)	\$ (0.7063)	\$ (0.6359)	\$ (0.4728)	\$ (0.3097)	\$ (0.2490)	\$ (0.1882)
IRC in Effect	\$ 0.0023	\$ 0.0020	\$ 0.0017	\$ 0.0015	\$ 0.0013	\$ 0.0011	\$ 0.0009	\$ (0.0009)	\$ (0.0027)
Total Effective	\$ 3.6124	\$ 3.5116	\$ 3.4107	\$ 3.6296	\$ 3.8484	\$ 3.6586	\$ 3.4687	\$ 3.5194	\$ 3.5700
Percentage of Total									
C-Factor	99.4%	110.7%	122.7%	119.4%	116.5%	112.9%	108.9%	107.1%	105.3%
E-Factor	0.6%	-10.8%	-22.8%	-19.5%	-16.5%	-12.9%	-8.9%	-7.1%	-5.3%
IRC-Factor	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%
Total	100%	100%	100%	100%	100%	100%	100%	100%	100%

C-Factor									
Demand Charge in Effect	\$ 1.3629	\$ 1.2704	\$ 1.1779	\$ 1.4367	\$ 1.6954	\$ 1.4383	\$ 1.1812	\$ 1.0873	\$ 0.9933
Commodity in Effect	\$ 2.2264	\$ 2.6171	\$ 3.0078	\$ 2.8977	\$ 2.7876	\$ 2.6920	\$ 2.5963	\$ 2.6820	\$ 2.7676
	\$ 3.5893	\$ 3.8875	\$ 4.1857	\$ 4.3344	\$ 4.4830	\$ 4.1303	\$ 3.7775	\$ 3.7692	\$ 3.7609

Percentage of Total									
Demand Charge in Effect	38.0%	32.7%	28.1%	33.1%	37.8%	34.8%	31.3%	28.8%	26.4%
Commodity in Effect	62.0%	67.3%	71.9%	66.9%	62.2%	65.2%	68.7%	71.2%	73.6%
	100%	100%	100%	100%	100%	100%	100%	100%	100%

Fiscal Year 2020 E-Factor	C-Factor Over/(Under)	E-Factor Over/(Under)	Interest Over/(Under)	FY 2020 Final E-Factor
	\$ 29,544,521	\$ (822,994)	\$ 1,397,105	\$ 30,118,632

Actual Fiscal Year 2020-2021	Sep-2020	Oct-2020	Nov-2020	Dec-2020	Jan-2021	Feb-2021	Mar-2021	Apr-2021	May-2021	Jun-2021	Jul-2021	Aug-2021	Total FY21
	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	
GCR Firm Sales	944,050	1,163,957	2,683,899	5,478,835	7,552,910	8,602,311	5,928,377	3,263,613	1,766,499	1,127,336	924,420	864,790	40,300,997
GCR Revenue Billed	\$ 3,298,184	\$ 3,973,260	\$ 9,232,880	\$ 20,210,516	\$ 29,079,951	\$ 33,042,725	\$ 21,431,495	\$ 11,327,434	\$ 6,128,595	\$ 3,972,840	\$ 3,301,308	\$ 3,085,905	\$ 148,085,093
Migration Rider Revenue Billed	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Load Balancing Billed	\$ 184,574	\$ 202,086	\$ 216,074	\$ 208,050	\$ 191,164	\$ 188,745	\$ 187,954	\$ 190,035	\$ 188,468	\$ 170,996	\$ 183,508	\$ 184,520	\$ 2,296,174
LNG Sales Demand Charge Credit	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 11,218	\$ -	\$ -	\$ -	\$ -	\$ 11,218
Total Revenue Billed	\$ 3,482,758	\$ 4,175,347	\$ 9,448,955	\$ 20,418,566	\$ 29,271,115	\$ 33,231,470	\$ 21,619,449	\$ 11,528,686	\$ 6,317,063	\$ 4,143,836	\$ 3,484,816	\$ 3,270,425	\$ 150,392,485
Natural Gas Refunds	\$ -	\$ 2,460	\$ -	\$ -	\$ 345	\$ -	\$ -	\$ 42,490	\$ -	\$ 2,983	\$ 2,981	\$ -	\$ 51,260
Demand Charges	\$ 5,525,459	\$ 5,843,888	\$ 5,232,290	\$ 5,185,053	\$ 5,210,257	\$ 5,091,630	\$ 5,216,570	\$ 5,577,056	\$ 5,623,211	\$ 5,545,836	\$ 5,637,396	\$ 5,630,372	\$ 65,319,018
Supply Charges	\$ 1,720,479	\$ 2,271,896	\$ 7,590,608	\$ 15,907,045	\$ 18,205,296	\$ 22,981,011	\$ 12,375,859	\$ 4,123,876	\$ 3,238,985	\$ 2,649,588	\$ 3,834,877	\$ 2,271,137	\$ 97,170,657
Net Cost of Fuel	\$ 7,245,938	\$ 8,115,784	\$ 12,822,898	\$ 21,092,098	\$ 23,415,553	\$ 28,072,641	\$ 17,592,429	\$ 9,700,932	\$ 8,862,196	\$ 8,195,424	\$ 9,472,273	\$ 7,901,509	\$ 162,489,674

**FISCAL YEAR 2021
PHILADELPHIA GAS WORKS
C-FACTOR RECONCILIATION**

MONTH	NET COST	TOTAL	C FACTOR	C FACTOR	LOAD BALANCING	LNG SALES GCR	TOTAL	NATURAL GAS	OVER/	CUMULATIVE
	OF FUEL	GCR		REVENUE			REVENUE		C FACTOR	
	1	2	% of GCR	4 = (2 * 3)	5	6	7 = (4 + 5 + 6)	8	9 = (7 + 8 - 1)	10
	(\$)	(\$)		(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)
SEPTEMBER 2020	7,245,938	3,298,184	110.7%	3,651,291	184,574	0	3,835,865	0	(3,410,073)	(3,410,073)
OCTOBER	8,115,784	3,973,260	122.7%	4,876,088	202,086	0	5,078,175	2,460	(3,035,149)	(6,445,222)
NOVEMBER	12,822,898	9,232,880	122.7%	11,330,831	216,074	0	11,546,906	0	(1,275,992)	(7,721,214)
DECEMBER	21,092,098	20,210,516	119.4%	24,135,072	208,050	0	24,343,122	0	3,251,024	(4,470,190)
JANUARY 2021	23,415,553	29,079,951	116.5%	33,875,226	191,164	0	34,066,390	345	10,651,182	6,180,992
FEBRUARY	28,072,641	33,042,725	116.5%	38,491,461	188,745	0	38,680,206	0	10,607,564	16,788,556
MARCH	17,592,429	21,431,495	112.9%	24,194,676	187,954	0	24,382,630	0	6,790,201	23,578,758
APRIL	9,700,932	11,327,434	108.9%	12,335,855	190,035	11,218	12,537,108	42,490	2,878,666	26,457,424
MAY	8,862,196	6,128,595	108.9%	6,674,191	188,468	0	6,862,659	0	(1,999,536)	24,457,887
JUNE	8,195,424	3,972,840	107.1%	4,254,885	170,996	0	4,425,880	2,983	(3,766,561)	20,691,327
JULY	9,472,273	3,301,308	105.3%	3,477,840	183,508	0	3,661,348	2,981	(5,807,944)	14,883,383
AUGUST	<u>7,901,509</u>	<u>3,085,905</u>	105.3%	<u>3,250,919</u>	<u>184,520</u>	<u>0</u>	<u>3,435,438</u>	<u>0</u>	<u>(4,466,070)</u>	10,417,313
Total	162,489,674	148,085,093		170,548,336	2,296,174	11,218	172,855,727	51,260	10,417,313	

**FISCAL YEAR 2021
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							\$ 30,118,632
FY 2018 PIPELINE REFUND ADJUSTMENT							\$ 17,182
							\$ 30,135,814
MONTH							
SEPTEMBER 2020	Actual	944,050	944,050	\$ 3,298,184	-10.8%	\$ (354,985)	\$ 29,780,829
OCTOBER	Actual	1,163,957	1,163,957	\$ 3,973,260	-22.8%	\$ (904,809)	\$ 28,876,020
NOVEMBER	Actual	2,683,899	2,683,899	\$ 9,232,880	-22.8%	\$ (2,102,553)	\$ 26,773,467
DECEMBER	Actual	5,478,835	5,478,835	\$ 20,210,516	-19.5%	\$ (3,932,908)	\$ 22,840,559
JANUARY 2021	Actual	7,552,910	7,552,910	\$ 29,079,951	-16.5%	\$ (4,805,098)	\$ 18,035,460
FEBRUARY	Actual	8,602,311	8,602,311	\$ 33,042,725	-16.5%	\$ (5,459,897)	\$ 12,575,563
MARCH	Actual	5,928,377	5,928,377	\$ 21,431,495	-12.9%	\$ (2,769,625)	\$ 9,805,938
APRIL	Actual	3,263,613	3,263,613	\$ 11,327,434	-8.9%	\$ (1,011,361)	\$ 8,794,578
MAY	Actual	1,766,499	1,766,499	\$ 6,128,595	-8.9%	\$ (547,186)	\$ 8,247,391
JUNE	Actual	1,127,336	1,127,336	\$ 3,972,840	-7.1%	\$ (281,029)	\$ 7,966,362
JULY	Actual	924,420	924,420	\$ 3,301,308	-5.3%	\$ (174,035)	\$ 7,792,327
AUGUST	Actual	864,790	864,790	\$ 3,085,905	-5.3%	\$ (162,680)	\$ 7,629,647
TOTAL		40,300,997	40,300,997	148,085,093		(22,506,167)	

**FISCAL YEAR 2021
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 2020	3,298,184	0.06%	1,878
OCTOBER	3,973,260	0.05%	1,980
NOVEMBER	9,232,880	0.05%	4,602
DECEMBER	20,210,516	0.04%	8,352
JANUARY 2021	29,079,951	0.03%	9,823
FEBRUARY	33,042,725	0.03%	11,162
MARCH	21,431,495	0.03%	6,444
APRIL	11,327,434	0.03%	2,939
MAY	6,128,595	0.03%	1,590
JUNE	3,972,840	-0.03%	(1,016)
JULY	3,301,308	-0.08%	(2,497)
AUGUST	<u>3,085,905</u>	-0.08%	<u>(2,334)</u>
TOTALS	148,085,093		42,923

**FISCAL YEAR 2021
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 2020	5,340,885	1,199,321	(4,141,563)	(4,141,563)
OCTOBER	5,641,802	1,371,025	(4,270,777)	(8,412,340)
NOVEMBER	5,016,216	3,161,365	(1,854,850)	(10,267,191)
DECEMBER	4,977,003	7,871,168	2,894,165	(7,373,025)
JANUARY 2021	5,019,093	12,805,203	7,786,110	413,084
FEBRUARY	4,902,885	14,584,357	9,681,472	10,094,556
MARCH	5,028,616	8,526,784	3,498,168	13,592,724
APRIL	5,375,804	3,854,980	(1,520,824)	12,071,901
MAY	5,434,743	2,086,589	(3,348,154)	8,723,747
JUNE	5,374,840	1,225,696	(4,149,144)	4,574,602
JULY	5,453,888	918,226	(4,535,662)	38,941
AUGUST	<u>5,445,852</u>	<u>858,996</u>	<u>(4,586,856)</u>	(4,547,915)
TOTALS	63,011,626	58,463,711	(4,547,915)	

**ACTUAL / ESTIMATED DATA - FISCAL YEAR 2022
PHILADELPHIA GAS WORKS**

Rate	7/1/2021	Split Month 9/1/2021	10/1/2021	Split Month 12/1/2021	1/1/2022
	SSC in Effect	\$ 3.7609	\$ 4.5385	\$ 5.3160	\$ 5.8509
GAC in Effect	\$ (0.1882)	\$ (0.3121)	\$ (0.4360)	\$ (0.4020)	\$ (0.3680)
IRC in Effect	\$ (0.0027)	\$ (0.0041)	\$ (0.0055)	\$ (0.0066)	\$ (0.0077)
Total Effective	\$ 3.5700	\$ 4.2223	\$ 4.8745	\$ 5.4423	\$ 6.0100

<u>Percentage of Total</u>					
C-Factor	105.3%	107.5%	109.1%	107.5%	106.3%
E-Factor	-5.3%	-7.4%	-8.9%	-7.4%	-6.1%
IRC-Factor	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%
Total	100%	100%	100%	100%	100%

<u>C-Factor</u>					
Demand Charge in Effect	\$ 0.9933	\$ 1.2648	\$ 1.5362	\$ 1.7106	\$ 1.8850
Commodity in Effect	\$ 2.7676	\$ 3.2737	\$ 3.7798	\$ 4.1403	\$ 4.5007
Total	\$ 3.7609	\$ 4.5385	\$ 5.3160	\$ 5.8509	\$ 6.3857

<u>Percentage of Total</u>					
Demand Charge in Effect	26.4%	27.9%	28.9%	29.2%	29.5%
Commodity in Effect	73.6%	72.1%	71.1%	70.8%	70.5%
Total	100%	100%	100%	100%	100%

	C-Factor Over/(Under)	E-Factor Over/(Under)	Interest Over/(Under)	FY 2021 Final E-Factor
<u>Fiscal Year 2021 E-Factor</u>	\$ 10,417,313	\$ 7,629,647	\$ 499,391	\$ 18,546,351

<u>Actual</u>	Fiscal Year 2021-2022	
	Sep-2021 <u>Actual</u>	Oct-2021 <u>Actual</u>
GCR Firm Sales	913,407	1,030,169
GCR Revenue Billed	\$ 3,981,007	\$ 5,015,262
Migration Rider Revenue Billed	\$ -	\$ -
Load Balancing Billed	\$ 183,531	\$ 207,616
LNG Sales Demand Charge Credit	\$ -	\$ -
Total Revenue Billed	\$ 4,164,538	\$ 5,222,878
Natural Gas Refunds	\$ -	\$ 14,453
Demand Charges	\$ 5,636,125	\$ 5,752,507
Supply Charges	\$ 3,734,014	\$ 7,336,296
Net Cost of Fuel	\$ 9,370,138	\$ 13,088,803

**FISCAL YEAR 2022
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 2021	9,370,138	3,981,007	107.5%	4,279,141	183,531	0	4,462,672	0	(4,907,467)	(4,907,467)
OCTOBER	13,088,803	5,015,262	109.1%	5,469,511	207,616	0	5,677,127	14,453	(7,397,223)	(12,304,689)

**FISCAL YEAR 2022
PHILADELPHIA GAS WORKS
E-FACTOR RECONCILIATION**

		GCR SALES 1 (MCF)	TOTAL E-FACTOR VOLUMES 2 (MCF)	TOTAL GCR REVENUE BILLED 3 (\$)	E-FACTOR % of GCR 4	E-FACTOR GCR REVENUE BILLED 5=(3 * 4) (\$)	OVER/(UNDER) PROJECTED RECOVERY 6 (\$)
PRIOR YEAR E-FACTOR							\$ 18,546,351
MONTH							
SEPTEMBER 2021	Actual	913,407	913,407	\$ 3,981,007	-7.4%	\$ (294,268)	\$ 18,252,083
OCTOBER	Actual	1,030,169	1,030,169	\$ 5,015,262	-8.9%	\$ (448,590)	\$ 17,803,492
NOVEMBER	Estimated	3,066,867	3,066,867	\$ 14,949,444	-8.9%	\$ (1,337,154)	\$ 16,466,338
DECEMBER	Estimated	5,565,936	5,565,936	\$ 30,291,216		\$ (2,332,891)	
JANUARY 2022	Estimated	9,850,258	9,850,258	\$ 59,200,051		\$ (4,128,609)	
FEBRUARY	Estimated	8,295,392	8,295,392	\$ 49,855,304		\$ (3,476,907)	
MARCH	Estimated	6,328,219	6,328,219	\$ 38,032,594		\$ (2,652,391)	
APRIL	Estimated	4,283,948	4,283,948	\$ 25,746,529		\$ (1,795,562)	
MAY	Estimated	1,950,887	1,950,887	\$ 11,724,830		\$ (817,689)	
JUNE	Estimated	1,115,106	1,115,106	\$ 6,701,788		\$ (467,382)	
JULY	Estimated	986,637	986,637	\$ 5,929,688		\$ (413,536)	
AUGUST	Estimated	909,895	909,895	\$ 5,468,471		\$ (381,371)	
TOTAL		39,286,278	39,286,278	\$ 232,950,469		(16,466,338)	
DECEMBER 1, 2021 E-FACTOR							-0.4191

**FISCAL YEAR 2022
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 2021	3,981,007	-0.10%	(3,866)
OCTOBER	5,015,262	-0.11%	(5,659)

**FISCAL YEAR 2022
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 2021	5,452,594	1,155,232	(4,297,362)	(4,297,362)
OCTOBER	5,544,891	1,582,546	(3,962,345)	(8,259,707)

CALCULATION OF RECOVERED CHARGES
1st Qtr Filing
December 1, 2021

	<u>50% December</u>	<u>11.5 Months</u>	<u>Total</u>
			(MCF) (\$)
S - Firm Sales (Mcf)	2,782,968	41,445,154	44,228,122
C-Factor	<u>\$ 5.3160</u>	<u>\$ 6.3857</u>	
Projected Recovery	14,794,258	264,656,322	\$ 279,450,581
S - Firm Sales (Mcf)	2,782,968	41,445,154	44,228,122
IRC-Factor	<u>\$ (0.0055)</u>	<u>\$ (0.0077)</u>	
Projected Recovery	(15,306)	(319,128)	\$ (334,434)
E-Factor Volumes (Mcf)	2,782,968	41,445,154	44,228,122
E-Factor	<u>\$ (0.4360)</u>	<u>\$ (0.3680)</u>	
Projected Recovery	(1,213,374)	(15,251,817)	\$ (16,465,191)
GCR (\$ / Mcf)	\$ 4.8745	\$ 6.0100	
<hr/>			
GCR Projected Recovery			\$ 262,650,956
Load Balancing Revenue			\$ 2,708,298
LNG Sales Demand Revenue			<u>\$ 37,668</u>
TOTAL PROJECTED RECOVERY			\$ 265,396,921

Change In Rates

Rates Effective December 1, 2021

	<u>Current Rates</u>				09/01/21 Commodity Rate (5)=(1)+(2)+(3)+(4)
	09/01/21 <u>Distribution Charge</u> (1)	09/01/21 <u>GCR</u> (2)	09/01/21 <u>MFC</u> (3)	09/01/21 <u>GPC</u> (4)	
Residential GS	\$8.9744	\$4.8745	\$0.1765	\$0.0400	\$14.0654
Commercial GS	\$6.9872	\$4.8745	\$0.0444	\$0.0400	\$11.9461
Industrial GS	\$6.9071	\$4.8745	\$0.0205	\$0.0400	\$11.8421
Phila.Housing Authority (PHA)	\$7.2007	\$4.8745	\$0.0000	\$0.0400	\$12.1152
Municipal (MS)	\$6.4811	\$4.8745	\$0.0000	\$0.0400	\$11.3956
Phila.Housing Authority (GS)	\$8.1209	\$4.8745	\$0.1765	\$0.0400	\$13.2119

December 1, 2021 - Distribution Charge

	<u>Delivery</u>	<u>Surcharges</u>			<u>Restructuring & Consumer Education</u>	<u>Total</u>	<u>Distribution Charge / Mcf</u> (12)=(11)+(6)
	<u>Delivery Charge</u> (6)	<u>Other Post Employment Benefit</u> (7)	<u>Efficiency Cost Recovery</u> (8)	<u>Universal Service & Ener. Cons.</u> (9)		<u>Total Surcharges</u> (11)=(7)+(8)+(9)+(10)	
Residential GS	\$7.0318	\$0.3371	\$0.0217	\$1.7523	\$0.0000	\$2.1111	\$9.1429
Commercial GS	\$5.0488	\$0.3371	\$0.0278	\$1.7523	\$0.0000	\$2.1172	\$7.1660
Industrial GS	\$4.9951	\$0.3371	(\$0.0129)	\$1.7523	\$0.0000	\$2.0765	\$7.0716
Phila.Housing Authority (PHA)	\$5.2623	\$0.3371	\$0.0278	\$1.7523	\$0.0000	\$2.1172	\$7.3795
Municipal (MS)	\$4.5596	\$0.3371	\$0.0000	\$1.7523	\$0.0000	\$2.0894	\$6.6490
Phila.Housing Authority (GS)	\$6.1783	\$0.3371	\$0.0217	\$1.7523	\$0.0000	\$2.1111	\$8.2894

Proposed Rates

	12/01/21 <u>Distribution Charge</u> (12)	12/01/21 <u>GCR</u> (13)	12/01/21 <u>MFC</u> (14)	12/01/21 <u>GPC</u> (15)	12/01/21 Commodity Rate (16)=(12)+(13)+(14)+(15)	<u>Difference</u> (17)=(16)-(5)
	Residential GS	\$9.1429	\$6.0100	\$0.2176	\$0.0400	\$15.4105
Commercial GS	\$7.1660	\$6.0100	\$0.0547	\$0.0400	\$13.2707	\$1.3246
Industrial GS	\$7.0716	\$6.0100	\$0.0252	\$0.0400	\$13.1468	\$1.3047
Phila.Housing Authority (PHA)	\$7.3795	\$6.0100	\$0.0000	\$0.0400	\$13.4295	\$1.3143
Municipal (MS)	\$6.6490	\$6.0100	\$0.0000	\$0.0400	\$12.6990	\$1.3034
Phila.Housing Authority (GS)	\$8.2894	\$6.0100	\$0.2176	\$0.0400	\$14.5570	\$1.3451

PHILADELPHIA GAS WORKS
DECEMBER 1,2021
UNIVERSAL SERVICE & ENERGY CONSERVATION SURCHARGE

	Expenses in the Surcharge
Enhanced Low Income Retrofit Program (ELIRP)	\$ 8,274,181
Customer Responsibility Program (CRP)	\$ 86,865,044
Senior Citizen Discount *	\$ 2,242,432
<u>November 2021 Over Collection</u>	<u>\$ (8,457,655)</u>
Total \$ to be Recovered	\$ 88,924,002
 Total Applicable Volumes	 Mcf 50,747,773
 Universal Service & Energy Conservation Surcharge	 <u>\$ 1.7523</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 \$2,499,116.

**STATEMENT OF RECONCILIATION
UNIVERSAL SERVICES & ENERGY CONSERVATION SURCHARGE
SEPTEMBER 2021 THROUGH NOVEMBER 2021**

Month		USC Applicable Volumes	USC Charge	USC Revenue Billed	USC Expenses	Monthly Over/(Under) Recovery	Cumulative Over/(Under) Recovery
FY 21 Reconciliation							\$ 7,736,115
September 2021	Actual	1,084,185	\$ 1,4927	\$ 1,618,363	\$ 985,594	\$ 632,769	\$ 8,368,884
October	Actual	1,230,794	\$ 1,5844	\$ 1,950,070	\$ 1,978,816	\$ (28,746)	\$ 8,340,138
November	Estimated	3,593,445	\$ 1,5844	\$ 5,693,454	\$ 5,575,937	\$ 117,517	\$ 8,457,655

USC Expenses	Sep-21	Oct-21	Nov-21
ELIRP Expense	\$ (1,970)	\$ 1,039,826	\$ 685,186
ELIRP Labor	\$ 6,084	\$ 7,361	\$ 12,255
Concervation Incentive Credit	\$ -	\$ -	\$ -
CRP Discount	\$ (1,198,272)	\$ (403,005)	\$ 3,697,038
CRP Forgiveness	\$ 2,120,890	\$ 1,261,234	\$ 1,016,685
Senior Citizen Discount	\$ 58,862	\$ 73,400	\$ 164,773
Bad Debt Expense Offset*	\$ -	\$ -	\$ -
Total	\$ 985,594	\$ 1,978,816	\$ 5,575,937

CRP Participation		
Rate Case Participation Rate	80,000	80,000
Actual Participation Rate	60,498	60,137
CRP Under/(Over) Participation	19,502	19,863
Average Shortfall Per CRP Participant		
CRP Discount	\$ (1,198,272)	\$ (403,005)
Actual Participation Rate	60,498	60,137
Average Shorfall per CRP Participant	\$ (20)	\$ (7)
Shortfall*	\$ -	\$ -
Bad Debt Expense Offset** 5.75%	\$ -	\$ -

**Bad Debt Expense Offset Applicable When Actual CRP Participation Exceeds 80,000.

**STATEMENT OF RECONCILIATION
UNIVERSAL SERVICES & ENERGY CONSERVATION SURCHARGE
SEPTEMBER 2020 THROUGH AUGUST 2021**

Month	USC Applicable Volumes	USC Charge	USC Revenue Billed	USC Expenses	Monthly Over/(Under) Recovery	Cumulative Over/(Under) Recovery
FY 20 Under-Collection						(\$6,618,975)
FY 18 Over-Recovery						\$ 4,381,978
FY 20 Reconciliation						\$ (2,236,997)
September 2020	Actual 1,133,164	\$ 1,4085	\$ 1,596,062	\$ (592,982)	\$ 2,189,044	\$ (47,953)
October	Actual 1,401,507	\$ 1,6397	\$ 2,298,051	\$ 1,362,442	\$ 935,609	\$ 887,656
November	Actual 3,139,406	\$ 1,6397	\$ 5,147,684	\$ 4,984,526	\$ 163,158	\$ 1,050,813
December	Actual 6,248,495	\$ 1,7832	\$ 11,142,004	\$ 9,472,609	\$ 1,669,395	\$ 2,720,208
January 2021	Actual 8,475,222	\$ 1,9266	\$ 16,328,363	\$ 14,947,154	\$ 1,381,209	\$ 4,101,417
February	Actual 9,661,701	\$ 1,9266	\$ 18,614,234	\$ 17,407,087	\$ 1,207,147	\$ 5,308,564
March	Actual 6,692,744	\$ 1,7529	\$ 11,731,711	\$ 11,728,382	\$ 3,328	\$ 5,311,893
April	Actual 3,713,582	\$ 1,5792	\$ 5,864,489	\$ 6,892,201	\$ (1,027,712)	\$ 4,284,180
May	Actual 2,008,720	\$ 1,5792	\$ 3,172,170	\$ 2,725,708	\$ 446,462	\$ 4,730,642
June	Actual 1,318,939	\$ 1,4901	\$ 1,965,351	\$ 895,079	\$ 1,070,272	\$ 5,800,914
July	Actual 1,080,750	\$ 1,4010	\$ 1,514,131	\$ 231,944	\$ 1,282,186	\$ 7,083,100
August	Actual 1,022,120	\$ 1,4010	\$ 1,431,990	\$ 778,975	\$ 653,015	\$ 7,736,115

USC Expenses	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	FY2021 Total
ELIRP Expense	\$ 1,661	\$ 694,650	\$ 911,900	\$ 5,768	\$ 852,537	\$ 1,594,894	\$ 815,596	\$ 894,995	\$ 766,962	\$ 689,406	\$ 761,514	\$ 1,171,693	\$ 9,161,576
ELIRP Labor	\$ 8,143	\$ 8,815	\$ 6,628	\$ 6,649	\$ 8,136	\$ 6,584	\$ 6,667	\$ 9,436	\$ 6,686	\$ 6,686	\$ 8,357	\$ 7,765	\$ 90,552
Concervation Incentive Credit	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CRP Discount	\$ (1,656,782)	\$ (430,516)	\$ 3,202,962	\$ 8,297,918	\$ 12,742,126	\$ 14,514,248	\$ 9,456,313	\$ 4,625,538	\$ 934,412	\$ (784,693)	\$ (1,376,321)	\$ (1,473,083)	\$ 48,052,122
CRP Forgiveness	\$ 989,799	\$ 998,895	\$ 674,746	\$ 827,227	\$ 898,374	\$ 812,943	\$ 1,120,746	\$ 1,159,265	\$ 910,362	\$ 913,383	\$ 782,897	\$ 1,018,140	\$ 11,106,777
Senior Citizen Discount	\$ 64,197	\$ 90,598	\$ 188,291	\$ 335,047	\$ 445,981	\$ 478,418	\$ 329,060	\$ 202,967	\$ 107,286	\$ 70,298	\$ 55,497	\$ 54,461	\$ 2,422,101
Bad Debt Expense Offset*	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total	\$ (592,982)	\$ 1,362,442	\$ 4,984,526	\$ 9,472,609	\$ 14,947,154	\$ 17,407,087	\$ 11,728,382	\$ 6,892,201	\$ 2,725,708	\$ 895,079	\$ 231,944	\$ 778,975	\$ 70,833,127

CRP Participation													
Rate Case Participation Rate	60,000	60,000	60,000	60,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000
Actual Participation Rate	55,748	55,925	56,226	56,577	57,022	57,618	58,549	59,298	60,066	60,941	61,279	61,507	61,507
CRP Under/(Over) Participation	4,252	4,075	3,774	3,423	22,978	22,382	21,451	20,702	19,934	19,059	18,721	18,493	18,493
Average Shortfall Per CRP Participant													
CRP Discount	\$ (1,656,782)	\$ (430,516)	\$ 3,202,962	\$ 8,297,918	\$ 12,742,126	\$ 14,514,248	\$ 9,456,313	\$ 4,625,538	\$ 934,412	\$ (784,693)	\$ (1,376,321)	\$ (1,473,083)	\$ (1,473,083)
Actual Participation Rate	55,748	55,925	56,226	56,577	57,022	57,618	58,549	59,298	60,066	60,941	61,279	61,507	61,507
Average Shortfall per CRP Participant	\$ (30)	\$ (8)	\$ 57	\$ 147	\$ 223	\$ 252	\$ 162	\$ 78	\$ 16	\$ (13)	\$ (22)	\$ (24)	\$ (24)
Shortfall*	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bad Debt Expense Offset* 7.5%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bad Debt Expense Offset** 5.75%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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

**Bad Debt Expense Offset Applicable When Actual CRP Participation Exceeds 80,000. Effective January 2021

EFFICIENCY COST RECOVERY (ECR) SURCHARGE
DECEMBER 1, 2021

<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	\$568,513	\$38,902	\$425	\$607,840
Labor Expense	\$59,952	\$4,102	\$45	\$64,099
Low Income Thermostate (LITSTAT)				
Program Expense	\$71,109	\$0	\$0	\$71,109
Labor Expense	\$7,074	\$0	\$0	\$7,074
Commercial & Industrial Equipment Rebate (CIER)				
Program Expense	\$4,444	\$267,251	\$2,634	\$274,329
Labor Expense	\$484	\$29,081	\$287	\$29,852
High-Efficiency Construction Incentive (HECI)				
Program Expense	\$217,566	\$0	\$0	\$217,566
Labor Expense	\$22,549	\$0	\$0	\$22,549
EnergySense Smart Thermostat (TSTAT)				
Program Expense	\$207,341	\$0	\$0	\$207,341
Labor Expense	<u>\$20,725</u>	<u>\$0</u>	<u>\$0</u>	<u>\$20,725</u>
Total Expense	\$1,179,757	\$339,337	\$3,390	\$1,522,484
Prior Period Reconciliation (11/30/21)	<u>\$ (364,331)</u>	<u>\$ (18,798)</u>	<u>\$ (14,318)</u>	<u>\$ (397,446)</u>
Total	\$815,425	\$320,539	-\$10,927	\$1,125,037
Volumes - Mcf (GCR Firm & Firm Transportation)	37,646,628	11,517,302	846,102	

Efficiency Cost Recovery Surcharge / Mcf	\$0.0217	\$0.0278	(\$0.0129)
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**EFFICIENCY COST RECOVERY (ECR) SURCHARGE
STATEMENT OF RECONCILIATION
FISCAL YEAR 2022**

		<u>Actual</u>	<u>Actual</u>	<u>Estimated</u>
		<u>Sep-21</u>	<u>Oct-21</u>	<u>Nov-21</u>
<u>RESIDENTIAL & PHA GS</u>				
FY 2021 Over-Collection	\$ 440,912			
Volume Billed		673,328	744,906	2,490,786
ECR Surcharge		\$ 0.0203	\$ 0.0211	\$ 0.0211
Revenue Billed		\$ 13,635	\$ 15,718	\$ 52,556
RHER	Expense	\$ (827)	\$ 38,720	\$ 49,281
RHER	Labor	\$ 2,555	\$ 3,092	\$ 5,147
HECI	Expense	\$ (288)	\$ 8,719	\$ 17,611
HECI	Labor	\$ 889	\$ 1,075	\$ 1,790
LITSTAT	Expense	\$ (96)	\$ 0	\$ 6,185
LITSTAT	Labor	\$ 297	\$ 360	\$ 599
CIER	Expense	\$ (7)	\$ 479	\$ 389
CIER	Labor	\$ 21	\$ 25	\$ 42
TSTAT	Expense	\$ (282)	\$ 1,054	\$ 17,983
TSTAT	Labor	\$ 870	\$ 1,052	\$ 1,752
Total		\$ 3,132	\$ 54,577	\$ 100,780
Monthly Over/(Under)		\$ 10,503	\$ (38,859)	\$ (48,224)
Cumulative Over/(Under)		\$ 451,415	\$ 412,555	\$ 364,331
<u>COMMERCIAL & PHA</u>				
FY 2021 Over-Collection	\$ 53,399			
Volume Billed		369,864	441,706	969,074
ECR Surcharge		\$ 0.0146	\$ 0.0169	\$ 0.0169
Revenue Billed		\$ 5,382	\$ 7,465	\$ 16,377
RHER	Expense	\$ (57)	\$ 2,650	\$ 3,372
RHER	Labor	\$ 175	\$ 212	\$ 352
CIER	Expense	\$ (409)	\$ 28,799	\$ 23,395
CIER	Labor	\$ 1,263	\$ 1,528	\$ 2,544
Total		\$ 972	\$ 33,189	\$ 29,663
Monthly Over/(Under)		\$ 4,409	\$ (25,724)	\$ (13,286)
Cumulative Over/(Under)		\$ 57,808	\$ 32,084	\$ 18,798
<u>INDUSTRIAL</u>				
FY 2021 Over-Collection	\$ 16,336			
Volume Billed		31,390	32,253	77,855
ECR Surcharge		\$ (0.0107)	\$ (0.0095)	\$ (0.0095)
Revenue Billed		\$ (336)	\$ (306)	\$ (740)
RHER	Expense	\$ (1)	\$ 29	\$ 37
RHER	Labor	\$ 2	\$ 2	\$ 4
CIER	Expense	\$ (4)	\$ 284	\$ 231
CIER	Labor	\$ 12	\$ 15	\$ 25
Total		\$ 10	\$ 330	\$ 296
Monthly Over/(Under)		\$ (346)	\$ (637)	\$ (1,036)
Cumulative Over/(Under)		\$ 15,990	\$ 15,354	\$ 14,318

**EFFICIENCY COST RECOVERY (ECR) SURCHARGE
STATEMENT OF RECONCILIATION
FISCAL YEAR 2021**

		Actual Sep-20	Actual Oct-20	Actual Nov-20	Actual Dec-20	Actual Jan-21	Actual Feb-21	Actual Mar-21	Actual Apr-21	Actual May-21	Actual Jun-21	Actual Jul-21	Actual Aug-21	Total FY2021
RESIDENTIAL & PHA GS														
FY 2020 Over-Collection	\$ 335,810													
Volume Billed		729,359	917,832	2,250,407	4,629,612	6,482,304	7,370,915	5,013,348	2,691,864	1,439,124	855,305	658,477	603,462	33,642,009
ECR Surcharge		\$ 0.0257	\$ 0.0299	\$ 0.0299	\$ 0.0257	\$ 0.0215	\$ 0.0215	\$ 0.0125	\$ 0.0035	\$ 0.0035	\$ 0.0115	\$ 0.0194	\$ 0.0194	
Revenue Billed		\$ 18,708	\$ 27,443	\$ 67,287	\$ 118,981	\$ 139,370	\$ 158,475	\$ 62,667	\$ 9,422	\$ 5,037	\$ 9,793	\$ 12,774	\$ 11,707	\$ 641,664
RHER	Expense	\$ 638	\$ 58,390	\$ (11,253)	\$ 29,912	\$ 11,518	\$ 105,249	\$ 55,905	\$ 34,856	\$ 7,361	\$ 67,152	\$ 24,410	\$ 50,814	\$ 434,953
RHER	Labor	\$ 3,131	\$ 3,389	\$ 890	\$ 2,556	\$ 3,128	\$ 10,345	\$ 2,669	\$ 4,510	\$ 5,131	\$ 3,599	\$ 4,934	\$ 3,476	\$ 47,757
HECI	Expense	\$ 183	\$ 3,945	\$ (4,128)	\$ 4,375	\$ 2,672	\$ (7,047)	\$ 4,626	\$ 3,612	\$ (8,237)	\$ 3,411	\$ 1,043	\$ 35,744	\$ 40,197
HECI	Labor	\$ 895	\$ 969	\$ (1,865)	\$ 731	\$ 895	\$ (1,626)	\$ 784	\$ 1,326	\$ (2,110)	\$ 529	\$ 408	\$ 3,476	\$ 4,414
CIRI	Expense	\$ 22	\$ 452	\$ (474)	\$ 521	\$ 318	\$ (839)	\$ 551	\$ 451	\$ (1,002)	\$ 852	\$ 744	\$ (1,596)	\$ -
CIRI	Labor	\$ 107	\$ 115	\$ (222)	\$ 87	\$ 106	\$ (194)	\$ 93	\$ 166	\$ (259)	\$ 132	\$ 291	\$ (423)	\$ -
CIER	Expense	\$ 41	\$ 1,997	\$ (2,039)	\$ 4,015	\$ 718	\$ (1,581)	\$ 143	\$ 875	\$ (1,214)	\$ 532	\$ 130	\$ (697)	\$ 2,921
CIER	Labor	\$ 203	\$ 220	\$ (423)	\$ 166	\$ 203	\$ 11	\$ 24	\$ 41	\$ (84)	\$ 33	\$ 40	\$ (113)	\$ 321
TSTAT	Expense	\$ 209	\$ 4,348	\$ (4,557)	\$ 5,005	\$ 3,057	\$ (8,062)	\$ 2,646	\$ 2,066	\$ (4,712)	\$ 1,951	\$ 3,339	\$ 115	\$ 5,405
TSTAT	Labor	\$ 1,025	\$ 1,109	\$ (2,134)	\$ 837	\$ 1,024	\$ (1,860)	\$ 449	\$ 758	\$ (1,207)	\$ 303	\$ 96	\$ 195	\$ 593
Total		\$ 6,454	\$ 74,935	\$ (26,204)	\$ 48,205	\$ 23,640	\$ 94,396	\$ 67,890	\$ 48,660	\$ (6,333)	\$ 78,493	\$ 35,436	\$ 90,990	\$ 536,562
Monthly Over/(Under)		\$ 12,254	\$ (47,492)	\$ 93,494	\$ 70,776	\$ 115,730	\$ 64,079	\$ (5,223)	\$ (39,238)	\$ 11,370	\$ (68,700)	\$ (22,661)	\$ (79,283)	
Cumulative Over/(Under)		\$ 348,064	\$ 300,572	\$ 394,063	\$ 464,839	\$ 580,569	\$ 644,648	\$ 639,424	\$ 600,186	\$ 611,556	\$ 542,856	\$ 520,195	\$ 440,912	
COMMERCIAL & PHA														
FY 2020 Over-Collection	\$ 281,639													
Volume Billed		365,158	437,492	781,477	1,403,840	1,690,877	1,939,082	1,427,343	878,567	488,379	412,658	386,063	381,113	10,592,048
ECR Surcharge		\$ (0.0206)	\$ (0.0248)	\$ (0.0248)	\$ 0.0015	\$ 0.0277	\$ 0.0277	\$ 0.0257	\$ 0.0236	\$ 0.0236	\$ 0.0179	\$ 0.0122	\$ 0.0122	
Revenue Billed		\$ (7,522)	\$ (10,850)	\$ (19,381)	\$ 2,036	\$ 46,837	\$ 53,713	\$ 36,611	\$ 20,734	\$ 11,526	\$ 7,387	\$ 4,710	\$ 4,650	\$ 150,450
RHER	Expense	\$ 24	\$ 2,205	\$ 82,421	\$ 1,129	\$ 435	\$ (7,642)	\$ 3,725	\$ 2,322	\$ 2,913	\$ 4,474	\$ 1,626	\$ 3,673	\$ 97,306
RHER	Labor	\$ 118	\$ 128	\$ 12,883	\$ 97	\$ 118	\$ (3,873)	\$ 178	\$ 300	\$ 746	\$ 240	\$ 329	\$ (580)	\$ 10,684
CIRI	Expense	\$ 253	\$ 5,272	\$ (5,525)	\$ 6,069	\$ 3,707	\$ (9,776)	\$ 6,417	\$ -	\$ (6,417)	\$ -	\$ -	\$ 28,571	\$ 28,571
CIRI	Labor	\$ 1,242	\$ 1,345	\$ (2,587)	\$ 1,014	\$ 1,241	\$ (2,256)	\$ 1,088	\$ -	\$ (1,088)	\$ -	\$ -	\$ 3,137	\$ 3,137
CIER	Expense	\$ 277	\$ 13,357	\$ 6,006	\$ 26,853	\$ 4,804	\$ 45,471	\$ 7,947	\$ 48,523	\$ 18,117	\$ 29,516	\$ 7,195	\$ 7,282	\$ 215,348
CIER	Labor	\$ 1,359	\$ 1,472	\$ 215	\$ 1,110	\$ 1,358	\$ 6,150	\$ 1,348	\$ 2,278	\$ 5,648	\$ 1,817	\$ 2,227	\$ (1,336)	\$ 23,645
TSTAT	Expense	\$ 8	\$ 164	\$ (172)	\$ 189	\$ 115	\$ (304)	\$ 100	\$ 78	\$ (178)	\$ 74	\$ 126	\$ (200)	\$ -
TSTAT	Labor	\$ 39	\$ 42	\$ (81)	\$ 32	\$ 39	\$ (70)	\$ 17	\$ 29	\$ (46)	\$ 11	\$ 4	\$ (15)	\$ -
Total		\$ 3,321	\$ 23,984	\$ 93,161	\$ 36,493	\$ 11,818	\$ 27,700	\$ 20,820	\$ 53,530	\$ 19,695	\$ 36,132	\$ 11,507	\$ 40,532	\$ 378,691
Monthly Over/(Under)		\$ (10,843)	\$ (34,834)	\$ (112,542)	\$ (34,457)	\$ 35,020	\$ 26,013	\$ 15,791	\$ (32,796)	\$ (8,169)	\$ (28,745)	\$ (6,797)	\$ (35,882)	
Cumulative Over/(Under)		\$ 270,796	\$ 235,962	\$ 123,420	\$ 88,963	\$ 123,983	\$ 149,996	\$ 165,787	\$ 132,992	\$ 124,822	\$ 96,077	\$ 89,281	\$ 53,399	
INDUSTRIAL														
FY 2020 Over-Collection	\$ 35,745													
Volume Billed		31,008	38,199	55,097	107,575	125,361	150,666	112,279	60,471	40,859	32,514	26,700	32,180	812,908
ECR Surcharge		\$ (0.0204)	\$ (0.0337)	\$ (0.0337)	\$ (0.0316)	\$ (0.0294)	\$ (0.0294)	\$ (0.0193)	\$ (0.0091)	\$ (0.0091)	\$ (0.0105)	\$ (0.0119)	\$ (0.0119)	
Revenue Billed		\$ (631)	\$ (1,287)	\$ (1,857)	\$ (3,394)	\$ (3,686)	\$ (4,430)	\$ (2,161)	\$ (550)	\$ (372)	\$ (341)	\$ (318)	\$ (383)	\$ (19,410)
RHER	Expense	\$ 1	\$ 63	\$ (64)	\$ 32	\$ 12	\$ (45)	\$ 48	\$ 30	\$ (78)	\$ 57	\$ 21	\$ (78)	\$ -
RHER	Labor	\$ 3	\$ 4	\$ (7)	\$ 3	\$ 3	\$ (6)	\$ 2	\$ 4	\$ (6)	\$ 3	\$ 4	\$ (7)	\$ -
CIRI	Expense													\$ -
CIRI	Labor													\$ -
CIER	Expense	\$ 4	\$ 198	\$ (202)	\$ 397	\$ 71	\$ (468)	\$ 85	\$ 520	\$ (605)	\$ 316	\$ 77	\$ (393)	\$ -
CIER	Labor	\$ 20	\$ 22	\$ (42)	\$ 16	\$ 20	\$ (37)	\$ 14	\$ 24	\$ (39)	\$ 19	\$ 24	\$ (43)	\$ -
Total		\$ 28	\$ 286	\$ (314)	\$ 449	\$ 107	\$ (556)	\$ 150	\$ 578	\$ (728)	\$ 396	\$ 126	\$ (522)	\$ -
Monthly Over/(Under)		\$ (659)	\$ (1,573)	\$ (1,542)	\$ (3,843)	\$ (3,793)	\$ (3,874)	\$ (2,311)	\$ (1,128)	\$ 356	\$ (738)	\$ (444)	\$ 139	
Cumulative Over/(Under)		\$ 35,086	\$ 33,513	\$ 31,970	\$ 28,128	\$ 24,335	\$ 20,461	\$ 18,150	\$ 17,022	\$ 17,378	\$ 16,640	\$ 16,196	\$ 16,336	

**PHILADELPHIA GAS WORKS
LOAD BALANCING CHARGE
December 1, 2021**

Storage and Peaking Asset Cost		\$	20,199,232
WSS Volumes MDQ	17,557.5		
Daily Demand Charge (Dth)	\$0.45836	\$	2,937,394
Total Charges			
Total Storage Charges			23,136,626
Design Day Requirements (Mcf)			696,298
Fulfilled from FT Capacity (Mcf)			(298,152)
WSS Storage Withdrawal Volumes MCF			<u>17,030</u>
Fulfilled from Storage and Peaking Assets (Excess Mcf)			415,175
<hr/>			
Annual Storage and Peaking Cost per Excess Mcf		\$	55.7274
Per Mcf Over / (Under) Adjustment		\$	<u>0.2903</u>
Load Balancing Charge		\$	55.4371

Over / (Under) Recovery	\$	162,132
Interest	\$	<u>10,232</u>
Total Over/(Under) Recovery	\$	<u>172,365</u>
Forecasted SSPC Volumes		593,781
Per Mcf Over / (Under) Adjustment	\$	0.2903

Projected Unaccounted For Factor And Retainage Rate
December 1, 2021

<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>
2018-19	50,736,512	49,455,116	1,281,396	
2019-20	46,326,543	45,194,894	1,131,649	
2010-21	<u>47,338,905</u>	<u>46,364,616</u>	<u>974,290</u>	
Total	144,401,960	141,014,626	3,387,334	2.3%

Natural Gas Prices Used for PGW's - FY 2021-2022 - 1st Quarter GCR Filing

Basis Differentials

	TRANSCO					TETCO						NYMEX	TRANSCO									
												Futures 11/01/21 Close										
	Sta 30	Sta 45	Sta 65	Sta. 85	Zone 6- Non-NY	ELA	WLA	STX	M-1	M-2	Dom.S.Pt.		Sta 30	Sta 45	Sta 65	Sta. 85	Zone 6-Non-NY	ELA	WLA	STX	M-1	M-2
Nov-21												6.202										
Dec-21	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.13)	(0.10)	(0.10)	(0.42)	5.186										
Jan-22	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.13)	(0.10)	(0.10)	(0.42)	5.305										
Feb-22	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.13)	(0.10)	(0.10)	(0.42)	5.202										
Mar-22	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.13)	(0.10)	(0.10)	(0.42)	4.912										
Apr-22	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.13)	(0.10)	(0.10)	(0.42)	3.893										
May-22	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.13)	(0.10)	(0.10)	(0.42)	3.799										
Jun-22	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.13)	(0.10)	(0.10)	(0.42)	3.836										
Jul-22	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.13)	(0.10)	(0.10)	(0.42)	3.880										
Aug-22	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.13)	(0.10)	(0.10)	(0.42)	3.882										
Sep-22	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.13)	(0.10)	(0.10)	(0.42)	3.865										
Oct-22	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.13)	(0.10)	(0.10)	(0.42)	3.895										
Nov-22	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.13)	(0.10)	(0.10)	(0.42)	3.984										

Actual Natural Gas Billed

	<u>Jul-21</u>	<u>Aug-21</u>	<u>Sep-21</u>
Williams	\$ 2,819,435	\$ 2,824,797	\$ 2,737,693
Texas Eastern	\$ 2,785,638	\$ 2,865,241	\$ 2,951,710
Eastern Gas	\$ 133,877	\$ 133,964	\$ 133,642
Equitrans	\$ -	\$ -	\$ -
Spot Purchases -Transco	\$ 39,412	\$ 24,736	\$ 41,850
Spot Purchases -Tetco	\$ -	\$ -	\$ -
Transco Supply2	\$ -	\$ -	\$ -
Transco Supply3	\$ -	\$ -	\$ -
Transco Supply6	\$ -	\$ -	\$ -
Transco Supply7	\$ -	\$ -	\$ -
Transco Supply8	\$ -	\$ -	\$ -
Transco Supply10	\$ -	\$ -	\$ -
Transco Supply12	\$ -	\$ -	\$ -
Transco Supply14	\$ 478,563	\$ 500,263	\$ 526,125
Transco Supply17	\$ -	\$ -	\$ -
Transco Supply20	\$ -	\$ -	\$ -
Transco Supply21	\$ -	\$ -	\$ -
Transco Supply22	\$ -	\$ -	\$ -
Transco Supply23	\$ -	\$ -	\$ -
Transco Supply24	\$ -	\$ -	\$ -
Transco Supply25	\$ -	\$ -	\$ -
Transco Supply26	\$ -	\$ -	\$ -
Transco Supply27	\$ -	\$ -	\$ -
Transco Supply28	\$ -	\$ -	\$ -
Transco Supply29	\$ -	\$ -	\$ -
Transco Supply30	\$ 243,930	\$ 123,310	\$ 4,500
Transco Supply31	\$ -	\$ -	\$ -
Transco Supply32	\$ 999,285	\$ 1,044,855	\$ 1,099,350
Transco Supply33	\$ -	\$ -	\$ -
Transco Supply34	\$ 565,285	\$ 630,385	\$ 659,550
Transco Supply35	\$ 1,938	\$ 1,938	\$ 1,875
Transco Supply36	\$ -	\$ -	\$ -
Transco Supply37	\$ 919,959	\$ 966,553	\$ 1,025,556
Transco Supply40	\$ 260,400	\$ 273,420	\$ 289,800
Tetco Supply1	\$ -	\$ -	\$ -
Tetco Supply2	\$ -	\$ -	\$ -
Tetco Supply3	\$ -	\$ -	\$ -
Tetco Supply4	\$ -	\$ -	\$ -
Tetco Supply5	\$ -	\$ -	\$ -
Tetco Supply7	\$ -	\$ -	\$ -
Tetco Supply13	\$ -	\$ -	\$ -
Tetco Supply14	\$ -	\$ -	\$ -
Tetco Supply16	\$ -	\$ -	\$ -
Tetco Supply17	\$ -	\$ -	\$ -
Tetco Supply18	\$ -	\$ -	\$ -
Tetco Supply19	\$ -	\$ -	\$ -
Tetco Supply20	\$ -	\$ -	\$ -
Tetco Supply21	\$ -	\$ -	\$ -
Tetco Supply22	\$ -	\$ -	\$ -
Tetco Supply23	\$ -	\$ -	\$ -
Tetco Supply24	\$ 808,442	\$ 782,130	\$ 1,156,620
Tetco Supply25	\$ -	\$ -	\$ -
Tetco Supply26	\$ 952,063	\$ 2,276,737	\$ 3,118,250
Tetco Supply27	\$ -	\$ -	\$ -
Tetco Supply28	\$ -	\$ -	\$ -
Tetco Supply29	\$ -	\$ -	\$ -
Tetco Supply30	\$ -	\$ -	\$ -
Tetco Supply31	\$ 320,230	\$ 345,030	\$ 407,100
Tetco Supply32	\$ -	\$ -	\$ -
Tetco Supply33	\$ 336,350	\$ 367,350	\$ 447,000
Tetco Supply34	\$ 212,273	\$ 230,873	\$ 278,325
Tetco Supply35	\$ -	\$ -	\$ -
Tetco Supply36	\$ -	\$ -	\$ -
Tetco Supply37	\$ 774,869	\$ 861,800	\$ 1,017,000
Tetco Supply38	\$ 320,230	\$ 344,830	\$ 407,049
Total Costs	\$ 12,972,177	\$ 14,598,211	\$ 16,302,995
Sharing Mechanism	\$ 82,074	\$ 80,372	\$ 60,353
Asset Management Agreement	\$ -	\$ -	\$ -
Off System Sales	\$ -	\$ -	\$ -
Gas Transportation Purchases	\$ -	\$ -	\$ -
Adjustment/Reconciliation	\$ 438,083	\$ (803,980)	\$ (41,850)
Total Natural Gas Billed	\$ 13,492,334	\$ 13,874,604	\$ 16,321,497

**Philadelphia Gas Works
Summary of Fuels Purchased
Three Months Ending September 2021**

	<u>Actual</u>				<u>Projected 3rd Qtr Filing Jul-21</u>	<u>Projected 4th Qtr Filing Aug-21</u>	<u>Projected 4th Qtr Filing Sep-21</u>	<u>Total</u>	<u>Actual Over/Under vs Projected</u>			
	<u>Jul-21</u>	<u>Aug-21</u>	<u>Sep-21</u>	<u>Total</u>					<u>Jul-21</u>	<u>Aug-21</u>	<u>Sep-21</u>	<u>Total</u>
Total Natural Gas Billed	\$ 13,492,334	\$ 13,874,604	\$ 16,321,497	\$ 43,688,434	\$ 13,076,372	\$ 14,300,791	\$ 16,122,704	\$ 43,499,867	\$ 415,962	\$ (426,187)	\$ 198,793	\$ 188,567
Less Imbalance Charge	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Less Interruptible Credit	\$ 95,017	\$ 114,712	\$ 136,479	\$ 346,208	\$ 51,134	\$ 43,596	\$ 61,598	\$ 156,328	\$ 43,883	\$ 71,116	\$ 74,881	\$ 189,880
Gas Used For Utility	\$ 21,055	\$ 19,363	\$ 32,226	\$ 72,644	\$ 24,043	\$ 30,273	\$ 34,498	\$ 88,814	\$ (2,988)	\$ (10,910)	\$ (2,272)	\$ (16,170)
	\$ 13,376,262	\$ 13,740,529	\$ 16,152,792	\$ 43,269,582	\$ 13,001,195	\$ 14,226,921	\$ 16,026,608	\$ 43,254,725	\$ 375,066	\$ (486,393)	\$ 126,184	\$ 14,858
Pipeline Storages												
(To)	\$ (4,060,261)	\$ (6,114,844)	\$ (7,196,694)	\$ (17,371,799)	\$ (5,326,579)	\$ (6,901,179)	\$ (7,840,798)	\$ (20,068,556)	\$ 1,266,318	\$ 786,335	\$ 644,104	\$ 2,696,757
From	\$ (39,623)	\$ 15,341	\$ 58,689	\$ 34,407	\$ -	\$ -	\$ -	\$ -	\$ (39,623)	\$ 15,341	\$ 58,689	\$ 34,407
Net Pipeline Storages	\$ (4,099,884)	\$ (6,099,503)	\$ (7,138,005)	\$ (17,337,392)	\$ (5,326,579)	\$ (6,901,179)	\$ (7,840,798)	\$ (20,068,556)	\$ 1,226,695	\$ 801,676	\$ 702,793	\$ 2,731,164
LNG Storage												
(To)	\$ -	\$ -	\$ (1,279)	\$ (1,279)	\$ -	\$ -	\$ (7,321)	\$ (7,321)	\$ -	\$ -	\$ 6,042	\$ 6,042
From	\$ 190,403	\$ 191,114	\$ 355,786	\$ 737,303	\$ 273,746	\$ 210,001	\$ 211,875	\$ 695,622	\$ (83,343)	\$ (18,887)	\$ 143,911	\$ 41,681
Net LNG Storage	\$ 190,403	\$ 191,114	\$ 354,507	\$ 736,024	\$ 273,746	\$ 210,001	\$ 204,554	\$ 688,301	\$ (83,343)	\$ (18,887)	\$ 149,953	\$ 47,723
Net Natural Gas	\$ 9,466,781	\$ 7,832,140	\$ 9,369,294	\$ 26,668,214	\$ 7,948,363	\$ 7,535,743	\$ 8,390,364	\$ 23,874,470	\$ 1,518,418	\$ 296,396	\$ 978,930	\$ 2,793,744
APPLICABLE GCR EXPENSES												
Net Natural Gas Expense	\$ 9,466,781	\$ 7,832,140	\$ 9,369,294	\$ 26,668,214	\$ 7,948,363	\$ 7,535,743	\$ 8,390,364	\$ 23,874,470	\$ 1,518,418	\$ 296,396	\$ 978,930	\$ 2,793,744
Purchased Electric & Misc	\$ 5,536	\$ 69,369	\$ 844	\$ 75,749	\$ 29,785	\$ 40,067	\$ 30,071	\$ 99,923	\$ (24,249)	\$ 29,302	\$ (29,227)	\$ (24,174)
Total GCR Expenses	\$ 9,472,317	\$ 7,901,509	\$ 9,370,138	\$ 26,743,963	\$ 7,978,148	\$ 7,575,810	\$ 8,420,435	\$ 23,974,393	\$ 1,494,169	\$ 325,698	\$ 949,703	\$ 2,769,571