



PHILADELPHIA GAS WORKS

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December 21, 2016

VIA E-FILING AND FEDERAL EXPRESS

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

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

Dear Secretary Chiavetta:

On November 30, 2016, Philadelphia Gas Works ("PGW") served the parties in the above-captioned proceeding with the following Tariff Supplements and supporting schedules:

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

There is no record of the Commission receiving PGW's filing, however. In order to ensure that this filing is properly filed with your Office, PGW is submitting this letter with the original filing attached. PGW requests that the Commission accept the filing as of November 30, 2016, with an effective date of December 1, 2016. Please do not hesitate to contact me with questions.

Respectfully,



Brandon J. Pierce, Esquire

Enclosures

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

CERTIFICATE OF SERVICE

I hereby certify that this day I served a copy of PGW's Letter to the Secretary 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 EMAIL

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Dated: December 21, 2016



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

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

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

Respectfully,



Brandon J. Pierce, Esquire

Enclosures

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

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Dated: November 30, 2016



Brandon J. Pierce, Esquire

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

Supplement No. 97

PHILADELPHIA GAS WORKS
GAS SERVICE TARIFF



Issued by: Craig White
President and CEO

PHILADELPHIA GAS WORKS
800 West Montgomery Avenue
Philadelphia, PA 19122

List of Changes Made by this Tariff Supplement

TABLE OF CONTENTS (Page Nos. 6-7)

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

DEFINITIONS – UNACCOUNTED FOR GAS (Page No. 14)

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

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

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

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

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

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

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

PRICE TO COMPARE (Page No. 78)

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

EFFICIENCY COST RECOVERY SURCHARGE (Page No. 80)

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

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

The Universal Service and Energy Conservation Surcharge effective December 1, 2016 decreases from \$0.15160 per Ccf to \$0.13045 per Ccf.

GENERAL SERVICE – RATE GS (Page No. 83)

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

MUNICIPAL SERVICE – RATE MS (Page No. 87)

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

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

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

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

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

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UNACCOUNTED FOR GAS (for the purpose of calculating retainage) – Unaccounted for gas is the difference in the amount of gas delivered to the Company’s distribution system and the amount billed to customers. The current Lost and Unaccounted for Gas and Retainage Rate percentage is 3.2%. The percentage changes annually on December 1st and is based upon actual data for the preceding 12 months ending August 31st.

(I)

(I) - Increase

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

I. PROVISION FOR ADJUSTMENT

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

II. DEFINITIONS

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

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

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

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

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

GAC (Gas Adjustment Charge) - The "E" factor component of the GCR, representing the net overcollection or undercollection of Natural Gas and other raw materials costs. The currently effective GAC is \$(0.02239) per Ccf for Commodity Costs and \$0.01765 per Ccf for Demand Costs, for service on or after December 1, 2016. The total GAC is \$(0.00474) per Ccf. (I)

GCR - Gas Cost Rate determined to the nearest one-hundredth cent (\$0.0001) to be applied to each Mcf of Gas supplied under Rates GS, MS, PHA, and NGVS-Firm, except for Gas usage under the Special Provisions – Air Conditioning of those rates and is equal to the SSC plus the GAC minus the IRC.

(I) – Increase

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

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

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

SSC - Sales Service Charge - The purchased Gas costs determined to the nearest $\frac{1}{100}$ of a cent (\$0.0001). The currently effective SSC is \$0.28475 per Ccf for Commodity Costs and \$0.13596 per Ccf for Demand Costs, for service on or after December 1, 2016. The total SSC is \$0.42071 per Ccf. (D)

(I) – Increase; (D) – Decrease

III. COMPUTATION OF GAS COST RATE

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

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

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

The currently effective Gas Cost Rate is \$0.41577 per Ccf, for service on or after December 1, 2016.

(D)

IV. REPORTING REQUIREMENTS

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

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

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

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

V. PROVISION FOR INCLUSION OF SPECIFIC NON-GAS EXPENSES

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

VI. INTERRUPTIBLE REVENUE CREDIT (IRC)

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

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

(D) – Decrease

MERCHANT FUNCTION CHARGE (“MFC”)

The MFC is a volumetric charge, applied to firm sales service customers, which will be included in the Price to Compare. The MFC is based on Gas Cost Rate multiplied by a fixed uncollectible percentage established in the Company’s last general base rate proceeding. The MFC will not be reconciled to reflect actual results. The MFC is intended to make the Company’s Price to Compare more comparable to the gas supply services price offers of other Natural Gas Suppliers that presumably reflect anticipated uncollectible expenses. The following percentages will be applied to the quarterly Gas Cost Rate in order to calculate the quarterly MFC: 4.68% - GS Residential (“GS RES”); 0.28% - GS Commercial (“GS COM”); and 0.30% - GS Industrial (“GS IND”). The current MFC is set forth below in the Price to Compare table.

GAS PROCUREMENT CHARGE (“GPC”)

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

Current Gas Procurement Charge = \$0.00400/Ccf

PRICE TO COMPARE (“PTC”)

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

	GS RES	GS PH	GS COM	GS IND	MS	PHA	NGVS
SSC	\$0.42071	\$0.42071	\$0.42071	\$0.42071	\$0.42071	\$0.42071	\$0.42071
GAC	(\$0.00474)	(\$0.00474)	(\$0.00474)	(\$0.00474)	(\$0.00474)	(\$0.00474)	(\$0.00474)
MFC	\$0.01946	\$0.00000	\$0.00116	\$0.00125	\$0.00000	\$0.00000	\$0.00000
GPC	\$0.00400	\$0.00400	\$0.00400	\$0.00400	\$0.00400	\$0.00400	\$0.00400
PTC	\$0.43943	\$0.41997	\$0.42113	\$0.42122	\$0.41997	\$0.41997	\$0.41997

(C)

(C) - Change

EFFICIENCY COST RECOVERY SURCHARGE

The cost of the energy efficiency programs (i.e. the demand side management programs) for the firm customer rate classes listed below will be recovered by an Efficiency Cost Recovery Surcharge applicable to all volumes of Gas delivered.

- 1) The Surcharge will recover the program costs and the administrative costs of the energy efficiency program.
- 2) Computation of the Efficiency Cost Recovery Surcharge factors will be in accordance with the automatic adjustment procedures utilized under Section 1307(f) of the Public Utility Code and will be filed and approved in conjunction with the Company's annual Section 1307(f)-GCR filing.
- 3) Once the surcharge is in place, it will be automatically adjusted effective March 1, June 1, September 1, and December 1 of each year in accordance with Section 1307(f) quarterly adjustment procedures. No interest will be included in such surcharge computations. The basic component of the surcharge will be determined by dividing the total energy efficiency program costs approved for annual recovery plus (or minus) any over (or under) recovery from the prior period by the estimated applicable throughput in Mcfs. The costs related to customers other than low income residential customers are tracked and will be recovered separately from each of the following firm customer rate classes if the customer class is served by the energy efficiency program:
 - a) Residential and Public Housing Customers on Rate GS;
 - b) Commercial Customers on Rate GS;
 - c) Industrial Customers on Rate GS;
 - d) Municipal Customers on Rate MS; and
 - e) The Philadelphia Housing Authority on Rate PHA.

The surcharge shall be a cents per Ccf charge calculated to the nearest one-thousandth of a cent (0.00001) which shall be added to the distribution rates for billing purposes for all customers in each of the above rate classes. The rate shall be calculated separately for each rate class as follows:

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

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

Current Universal Service and Energy Conservation Surcharge = \$ 0.13045/Ccf.

(D)

(D) - Decrease

GENERAL SERVICE - RATE GS

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

AVAILABILITY

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

RATES

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

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

Surcharge: Distribution System Improvement Charge.

Plus,

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

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

Plus,

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

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

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

(B) Surcharges:

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

(D) – Decrease

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

MUNICIPAL SERVICE - RATE MS

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

AVAILABILITY

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

RATES

CUSTOMER CHARGE (per Meter (except parallel meters):

\$ 18.00 per month

Surcharge: Distribution System Improvement Charge.

Plus,

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

\$0.41577 per Ccf

(D)

Plus,

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

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

\$0.33661 per Ccf

(B) Surcharges:

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

(D) – Decrease

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

PHILADELPHIA HOUSING AUTHORITY SERVICE - RATE PHA

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

AVAILABILITY

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

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

RATES

CUSTOMER CHARGE (per Meter (except parallel meters);

\$18.00 per month

Surcharge: Distribution System Improvement Charge.

Plus,

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

\$0.41577 per Ccf

(D)

Plus

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

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

\$0.41101 per Ccf

(B) Surcharges:

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

(D) – Decrease

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

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

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

AVAILABILITY

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

CHARACTER OF SERVICE

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

MONTHLY RATE

CUSTOMER CHARGE:

\$35.00 per month

Surcharge: Distribution System Improvement Charge.

Plus,

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

\$0.41577 per Ccf

(D)

Plus

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

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

\$0.12833 per Ccf

(B) Surcharges:

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

(D) – Decrease

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

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

Supplement No. 68

PHILADELPHIA GAS WORKS

GAS SUPPLIER TARIFF



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

List of Changes Made by this Tariff

DEFINITIONS – UNACCOUNTED FOR GAS (Page No. 11)

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

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

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

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

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

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

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

UNACCOUNTED FOR GAS (for the purpose of calculating retainage) – Unaccounted for gas is the difference in the amount of gas delivered to the Company's distribution system and the amount billed to customers. The current Lost and Unaccounted for Gas and Retainage Rate percentage is 3.2%. The percentage changes annually on December 1st and is based upon actual data for the preceding 12 months ending August 31st. (I)

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

(I) - Increase

9.14. LOAD BALANCING CHARGE.

9.14.A. Suppliers for all gas delivered under Firm Transportation Rates, of this Suppliers Tariff shall be charged at \$38.5163 per design day Mcf that is fulfilled by PGW storage and peaking assets, for recovery of those costs for Balancing Service, calculated in the manner set forth in the Commission's Order at M-00021612 (entered March 31, 2003) and as set forth below. Such rate for Balancing Service shall be increased or decreased, from time to time, in accordance with applicable law and procedures.

(D)

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

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

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

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

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

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

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

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

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

"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

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1ST QUARTER FILING - DECEMBER 1, 2016

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

Formula:
GCR = SSC + GAC - IRC

where:

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

Philadelphia Gas Works

Price To Compare (\$ / MCF)

December 1, 2016

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

SALES & VOLUMES

DECEMBER 2016 THROUGH NOVEMBER 2017

MONTH	TOTAL VOLUMES	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 2016	6,485,743	658,154	5,827,589	211	62,226	-	5,765,152	36,394	6,386,912
JANUARY 2017	10,300,280	873,859	9,426,421	209	62,226	-	9,363,986	60,419	10,177,426
FEBRUARY	9,099,633	758,273	8,341,360	189	56,204	-	8,284,967	52,707	8,990,533
MARCH	7,104,915	619,899	6,485,016	209	62,226	-	6,422,581	39,599	7,002,881
APRIL	4,875,757	402,971	4,472,786	202	60,219	-	4,412,365	26,573	4,788,763
MAY	2,380,985	239,536	2,141,449	209	62,226	5	2,079,009	11,212	2,307,333
JUNE	1,370,811	187,663	1,183,147	202	60,219	1,049	1,121,678	4,705	1,304,636
JULY	1,258,716	179,838	1,078,878	461	62,226	1,652	1,014,539	4,046	1,190,330
AUGUST	1,122,492	160,073	962,419	461	62,226	2,147	897,584	3,538	1,054,120
SEPTEMBER	1,130,598	163,917	966,681	446	82,192	1,697	882,346	3,400	1,042,863
OCTOBER	1,745,039	252,282	1,492,757	461	84,932	119	1,407,245	6,089	1,653,439
NOVEMBER	<u>3,830,052</u>	<u>440,434</u>	<u>3,389,618</u>	<u>446</u>	<u>82,192</u>	<u>-</u>	<u>3,306,980</u>	<u>16,809</u>	<u>3,730,605</u>
TOTAL	50,705,023	4,936,901	45,768,122	3,707	799,315	6,668	44,958,432	265,491	49,629,842

**Projected Applicable Fuel Expense
SUMMARY
FY 2016-2017 1st Quarter Filing**

	DECEMBER 2016	JANUARY 2017	FEBRUARY 2017	MARCH 2017	APRIL 2017	MAY 2017	JUNE 2017	JULY 2017	AUGUST 2017	SEPTEMBER 2017	OCTOBER 2017	NOVEMBER 2017	TOTAL
NATURAL GAS BILLED													
DEMAND CHARGE	\$4,847,143	\$4,846,246	\$4,871,555	\$4,785,138	\$4,493,188	\$4,473,446	\$4,491,215	\$4,471,473	\$4,470,400	\$4,388,654	\$4,365,852	\$4,586,380	\$55,090,688
COMMODITY CHARGE	\$18,627,653	\$21,176,474	\$13,896,184	\$15,073,198	\$13,157,625	\$9,680,620	\$5,870,865	\$5,688,815	\$5,691,637	\$6,562,416	\$11,413,931	\$9,831,011	\$136,670,428
TOTAL NATURAL GAS BILLED	\$23,474,796	\$26,022,720	\$18,767,739	\$19,858,336	\$17,650,812	\$14,154,066	\$10,362,079	\$10,160,288	\$10,162,037	\$10,951,070	\$15,779,782	\$14,417,391	\$191,761,116
INTERRUPTIBLE & A/C CREDIT	\$591	\$609	\$527	\$594	\$595	\$616	\$3,505	\$6,005	\$7,420	\$6,459	\$1,828	\$1,360	\$30,110
SENDOUT VOLUME IN MCF	218	216	195	216	209	221	1,292	2,183	2,694	2,214	599	461	10,718
DKT CONVERSION FACTOR	1.050	1.050	1.050	1.050	1.050	1.050	1.050	1.050	1.050	1.050	1.050	1.050	
PRICE \$/DKT	\$2.5836	\$2.6887	\$2.5775	\$2.6237	\$2.7149	\$2.6563	\$2.5836	\$2.6198	\$2.6227	\$2.7782	\$2.9065	\$2.8085	
GAS USED FOR UTILITY	\$110,417	\$142,744	\$147,999	\$134,834	\$75,591	\$39,216	\$26,135	\$21,003	\$25,298	\$32,936	\$43,413	\$65,610	\$865,197
NATURAL GAS TO STORAGE	\$0	\$0	\$0	\$0	(\$3,396,806)	(\$4,922,851)	(\$3,474,298)	(\$3,203,302)	(\$3,207,103)	(\$3,453,262)	(\$3,475,916)	\$0	(\$25,133,537)
FROM STORAGE PGW	\$2,952,090	\$4,167,566	\$6,902,779	\$3,012,899	\$235,406	\$0	\$0	\$0	\$0	\$0	\$0	\$5,338,119	\$22,608,859
FT FROM STORAGE	\$214,627	\$334,361	\$266,416	\$81,227	\$1,207	\$0	\$0	\$0	\$0	\$0	\$0	\$40,529	\$938,367
NET NATURAL GAS STORAGE	\$2,952,090	\$4,167,566	\$6,902,779	\$3,012,899	(\$3,161,400)	(\$4,922,851)	(\$3,474,298)	(\$3,203,302)	(\$3,207,103)	(\$3,453,262)	(\$3,475,916)	\$5,338,119	(\$2,524,678)
LNG TO STORAGE	(\$1,010,256)	(\$428,600)	(\$316,632)	(\$1,039,669)	(\$922,750)	(\$294,697)	(\$14,066)	\$0	\$0	(\$28,301)	(\$619,556)	(\$1,152,471)	(\$5,826,999)
FROM LNG PGW	\$387,866	\$800,094	\$721,089	\$371,566	\$364,627	\$379,693	\$368,235	\$380,540	\$380,540	\$432,957	\$448,297	\$435,690	\$5,471,194
FT FROM LNG	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
NET LNG STORAGE	(\$622,391)	\$371,493	\$404,457	(\$668,103)	(\$558,123)	\$84,996	\$354,169	\$380,540	\$380,540	\$404,656	(\$171,259)	(\$716,781)	(\$355,805)
LNG SALES FROM LNG TANK	\$173,238	\$175,509	\$159,699	\$177,861	\$174,972	\$182,615	\$177,243	\$183,176	\$183,176	\$241,948	\$250,115	\$244,208	\$2,323,760
SENDOUT VOLUMES (MCF)	62,226	62,226	56,204	62,226	60,219	62,226	60,219	62,226	62,226	82,192	84,932	82,192	799,315
@ AVG LNG COMMODITY RATE	\$2.7840	\$2.8205	\$2.8414	\$2.8583	\$2.9056	\$2.9347	\$2.9433	\$2.9437	\$2.9437	\$2.9437	\$2.9449	\$2.9712	
NET NATURAL GAS EXPENSE	\$25,520,249	\$30,242,917	\$25,766,750	\$21,889,842	\$13,680,131	\$9,093,764	\$7,035,069	\$7,127,342	\$7,119,580	\$7,621,120	\$11,837,252	\$18,727,551	\$185,661,567
APPLICABLE GCR EXPENSE													
NET NATURAL GAS EXPENSE	\$25,520,249	\$30,242,917	\$25,766,750	\$21,889,842	\$13,680,131	\$9,093,764	\$7,035,069	\$7,127,342	\$7,119,580	\$7,621,120	\$11,837,252	\$18,727,551	\$185,661,567
PURCHASED ELECTRIC & MISC	\$76,359	\$103,785	\$99,004	\$84,055	\$55,487	\$42,755	\$26,931	\$45,806	\$31,867	\$23,643	\$50,948	\$51,671	\$692,312
PLANALYTICS	\$0	\$125,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$125,000
TOTAL APPLICABLE EXPENSES	\$25,596,608	\$30,471,703	\$25,865,753	\$21,973,898	\$13,735,618	\$9,136,518	\$7,062,000	\$7,173,148	\$7,151,447	\$7,644,764	\$11,888,200	\$18,779,222	\$186,478,878
TOTAL GCR FIRM SALES	5,765,152	9,363,986	8,284,967	6,422,581	4,412,365	2,079,009	1,121,678	1,014,539	897,584	882,346	1,407,245	3,306,980	44,958,432

INTERRUPTIBLE REVENUE CREDIT
December 1, 2016

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

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

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

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

December 1, 2016 IRC/Mcf \$ 0.0019

INTERRUPTIBLE REVENUE MARGIN
1ST QTR FILING

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

INTERRUPTIBLE REVENUE CREDIT
FY 2016

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

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

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

CALENDAR YEAR 2015
PHILADELPHIA GAS WORKS
INTEREST RATE CALCULATION

MONTH	NET COST OF FUEL 1 (\$)	C FACTOR % of GCR REVENUE BILLED 2 (\$)	OVER/ (UNDER) RECOVERY 3 = (2 - 1) (\$)	INTEREST RATE 4 (\$)
JANUARY 2015	44,475,311	46,898,006	2,422,695	
FEBRUARY	49,443,136	54,569,367	5,126,231	
MARCH	31,185,138	44,760,816	13,575,678	
APRIL	11,837,315	22,304,657	10,467,342	
MAY	8,878,270	8,871,471	(6,799)	
JUNE	6,006,339	5,082,417	(923,922)	
JULY	6,929,530	4,254,596	(2,674,934)	
AUGUST	6,719,769	4,027,065	(2,692,704)	
SEPTEMBER	7,356,244	3,927,135	(3,429,109)	
OCTOBER	10,733,518	5,794,395	(4,939,123)	
NOVEMBER	12,740,299	10,327,608	(2,412,692)	
DECEMBER	15,259,149	15,806,495	547,346	
Total	211,564,018	226,624,028	15,060,010	8%

FISCAL YEAR 2016
PHILADELPHIA GAS WORKS
INTEREST CALCULATION

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

(1) See Schedule 6(b)

(2) See Schedule 5(a)

(3) See Schedule 5(c)

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

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

(1) See Schedule 5(a)

**FISCAL YEAR 2016
PHILADELPHIA GAS WORKS
INTEREST ON NATURAL GAS REFUNDS**

<u>MONTH</u>	NATURAL GAS REFUNDS ⁽¹⁾	INTEREST RATE	TIME FACTOR	INTEREST ON REFUNDS
	1	2	3	4=(1*2*3)
	(\$)			(\$)
SEPTEMBER 15	0	6%	18/12	0
OCTOBER	6,382	6%	17/12	543
NOVEMBER	2,005	6%	16/12	160
DECEMBER	0	6%	15/12	0
JANUARY 16	1,197	6%	14/12	84
FEBRUARY	6,382	6%	13/12	415
MARCH	0	6%	12/12	0
APRIL	0	6%	11/12	0
MAY	0	6%	10/12	0
JUNE	0	6%	9/12	0
JULY	8,769	6%	8/12	351
AUGUST	0	6%	7/12	0
TOTAL	24,736			1,553

(1) See Schedule 6(b)

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

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

(1) See Schedule 5(b)

(2) See Schedule 6(e)

(3) See Schedule 5(c)

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

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

C-Factor									
Demand Charge in Effect	\$ 0.8504	\$ 1.0545	\$ 1.2586	\$ 1.3244	\$ 1.3901	\$ 1.2422	\$ 1.0942	\$ 1.1133	\$ 1.1324
Commodity in Effect	\$ 3.3881	\$ 3.1961	\$ 3.0040	\$ 2.7472	\$ 2.4903	\$ 2.5723	\$ 2.6543	\$ 2.6385	\$ 2.6227
Total	\$ 4.2385	\$ 4.2506	\$ 4.2626	\$ 4.0715	\$ 3.8804	\$ 3.8145	\$ 3.7485	\$ 3.7518	\$ 3.7551
Percentage of Total									
Demand Charge in Effect	20.1%	24.8%	29.5%	32.5%	35.8%	32.6%	29.2%	29.7%	30.2%
Commodity in Effect	79.9%	75.2%	70.5%	67.5%	64.2%	67.4%	70.8%	70.3%	69.8%
Total	100%	100%	100%	100%	100%	100%	100%	100%	100%

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

Actual Fiscal Year 2015-2016	Sep-2015	Oct-2015	Nov-2015	Dec-2015	Jan-2016	Feb-2016	Mar-2016	Apr-2016	May-2016	Jun-2016	Jul-2016	Aug-2016	FY-2016 Totals
	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	
GCR Firm Sales	894,850	1,338,478	2,405,950	3,849,724	6,409,695	7,802,937	5,730,335	3,735,180	2,354,969	1,373,128	940,582	840,559	37,676,387
Migration Rider Sales	19,504	22,521	30,764	93,084	147,147	148,353	118,191	78,495	47,409	32,441	25,652	27,248	790,808
GCR Revenue Billed	\$ 3,730,053	\$ 5,461,240	\$ 9,792,985	\$ 14,993,284	\$ 24,255,062	\$ 28,266,729	\$ 20,633,034	\$ 13,050,528	\$ 8,232,518	\$ 4,666,423	\$ 3,073,877	\$ 2,756,457	\$ 138,912,189
Migration Rider Revenue Billed	\$ (2,811)	\$ (4,265)	\$ (5,819)	\$ (17,380)	\$ (27,386)	\$ (27,597)	\$ (27,378)	\$ (19,278)	\$ (11,785)	\$ (13,255)	\$ (13,640)	\$ (13,912)	\$ (184,506)
Load Balancing Billed	\$ 80,989	\$ 78,091	\$ 77,245	\$ 84,959	\$ 96,731	\$ 95,271	\$ 93,915	\$ 89,738	\$ 90,134	\$ 89,807	\$ 90,851	\$ -	\$ 967,729
LNG Sales Demand Charge Credit	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,561	\$ 4,902	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,463
Total Revenue Billed	\$ 3,808,230	\$ 5,535,066	\$ 9,864,410	\$ 15,060,863	\$ 24,324,407	\$ 28,341,963	\$ 20,704,472	\$ 13,120,988	\$ 8,310,867	\$ 4,742,975	\$ 3,151,087	\$ 2,742,545	\$ 139,707,874
Natural Gas Refunds	\$ -	\$ 6,382	\$ 2,005	\$ -	\$ 1,197	\$ 6,382	\$ -	\$ -	\$ -	\$ -	\$ 8,769	\$ -	\$ 24,736
Demand Charges	\$ 4,900,132	\$ 4,875,008	\$ 4,906,154	\$ 4,882,448	\$ 5,007,784	\$ 5,036,303	\$ 4,827,940	\$ 5,012,175	\$ 4,718,222	\$ 4,559,675	\$ 4,593,759	\$ 4,602,321	\$ 57,921,921
Supply Charges	\$ 2,456,112	\$ 5,858,510	\$ 7,834,145	\$ 10,376,701	\$ 21,533,607	\$ 16,724,261	\$ 9,067,567	\$ 4,581,500	\$ 4,822,961	\$ 1,328,020	\$ 1,621,825	\$ 2,073,513	\$ 88,278,722
Net Cost of Fuel	\$ 7,356,244	\$ 10,733,518	\$ 12,740,299	\$ 15,259,149	\$ 26,541,391	\$ 21,760,564	\$ 13,895,507	\$ 9,593,675	\$ 9,541,183	\$ 5,887,695	\$ 6,215,584	\$ 6,675,834	\$ 146,200,643

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

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

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

		MIGRATION RIDER SALES 2	TOTAL E-FACTOR VOLUMES 3=(1 + 2)	TOTAL GCR REVENUE BILLED 4	E-FACTOR % of GCR 5	E-FACTOR GCR REVENUE BILLED 6=(4 * 5)	MIGRATION RIDER REVENUES 7	TOTAL E-FACTOR REVENUE 8=(6 + 7)	OVER/(UNDER) PROJECTED RECOVERY (9)	
	GCR SALES 1	(MCF)	(MCF)	(\$)		(\$)	(\$)	(\$)	(\$)	
PRIOR YEAR E-FACTOR										
									\$ 8,577,213	
MONTH										
SEPTEMBER 2015	Actual	894,850	19,504	914,354	\$ 3,730,053	-3.1%	\$ (115,415)	\$ (2,811)	\$ (118,226)	\$ 8,458,987
OCTOBER	Actual	1,338,478	22,521	1,360,999	\$ 5,461,240	-4.7%	\$ (253,992)	\$ (4,265)	\$ (258,257)	\$ 8,200,730
NOVEMBER	Actual	2,405,950	30,764	2,436,714	\$ 9,792,985	-4.7%	\$ (455,454)	\$ (5,819)	\$ (461,273)	\$ 7,739,457
DECEMBER	Actual	3,849,724	93,084	3,942,808	\$ 14,993,284	-4.8%	\$ (724,971)	\$ (17,380)	\$ (742,350)	\$ 6,997,107
JANUARY 2016	Actual	6,409,695	147,147	6,556,842	\$ 24,255,062	-5.0%	\$ (1,222,144)	\$ (27,386)	\$ (1,249,530)	\$ 5,747,577
FEBRUARY	Actual	7,802,937	148,353	7,951,290	\$ 28,266,729	-5.0%	\$ (1,424,281)	\$ (27,597)	\$ (1,451,878)	\$ 4,295,698
MARCH	Actual	5,730,335	118,191	5,848,526	\$ 20,633,034	-6.1%	\$ (1,256,411)	\$ (27,378)	\$ (1,283,789)	\$ 3,011,909
APRIL	Actual	3,735,180	78,495	3,813,675	\$ 13,050,528	-7.2%	\$ (939,596)	\$ (19,278)	\$ (958,874)	\$ 2,053,035
MAY	Actual	2,354,969	47,409	2,402,378	\$ 8,232,518	-7.2%	\$ (592,715)	\$ (11,785)	\$ (604,500)	\$ 1,448,536
JUNE	Actual	1,373,128	32,441	1,405,569	\$ 4,666,423	-11.7%	\$ (547,040)	\$ (13,255)	\$ (560,295)	\$ 888,241
JULY	Actual	940,582	25,652	966,234	\$ 3,073,877	-16.6%	\$ (511,342)	\$ (13,640)	\$ (524,982)	\$ 363,259
AUGUST	Actual	840,559	27,248	867,807	\$ 2,756,457	-16.6%	\$ (458,539)	\$ (13,912)	\$ (472,451)	\$ (109,192)
TOTAL		37,676,387	790,808	38,467,195	138,912,189		\$ (8,501,899)	\$ (184,506)	\$ (8,686,405)	

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

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

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

**ACTUAL / ESTIMATED DATA - FISCAL YEAR 2017
PHILADELPHIA GAS WORKS**

Rate	7/1/2016	Split Month 9/1/2016	10/1/2016	Split Month 12/1/2016	1/1/2017
	SSC in Effect	\$ 3.7551	\$ 4.0107	\$ 4.2662	\$ 4.2367
GAC in Effect	\$ (0.5353)	\$ (0.2986)	\$ (0.0619)	\$ (0.0547)	\$ (0.0474)
IRC in Effect	\$ (0.0019)	\$ (0.0018)	\$ (0.0017)	\$ (0.0019)	\$ (0.0020)
Total Effective	\$ 3.2179	\$ 3.7103	\$ 4.2026	\$ 4.1802	\$ 4.1577
Percentage of Total					
C-Factor	116.7%	108.1%	101.5%	101.4%	101.2%
E-Factor	-16.6%	-8.0%	-1.5%	-1.3%	-1.1%
IRC-Factor	-0.1%	0.0%	0.0%	0.0%	0.0%
Total	100%	100%	100%	100%	100%

C-Factor					
Demand Charge in Effect	\$ 1.1324	\$ 1.1749	\$ 1.2173	\$ 1.2885	\$ 1.3596
Commodity in Effect	\$ 2.6227	\$ 2.8358	\$ 3.0489	\$ 2.9482	\$ 2.8475
	\$ 3.7551	\$ 4.0107	\$ 4.2662	\$ 4.2367	\$ 4.2071
Percentage of Total					
Demand Charge in Effect	30.2%	29.3%	28.5%	30.4%	32.3%
Commodity in Effect	69.8%	70.7%	71.5%	69.6%	67.7%
	100%	100%	100%	100%	100%

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

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

**FISCAL YEAR 2017
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 2016	6,304,036	3,457,095	108.1%	3,736,999	91,214	0	3,828,212	0	(2,475,824)	(2,475,824)
OCTOBER	7,755,475	5,070,159	101.5%	5,146,888	0	0	5,146,888	0	(2,608,587)	(5,084,411)

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

		GCR SALES 1	MIGRATION RIDER SALES 2	TOTAL E-FACTOR VOLUMES 3=(1 + 2)	TOTAL GCR REVENUE BILLED 4	E-FACTOR % of GCR 5	E-FACTOR GCR REVENUE BILLED 6=(4 * 5)	MIGRATION RIDER REVENUES 7	TOTAL E-FACTOR REVENUE 8=(6 + 7)	OVER/(UNDER) PROJECTED RECOVERY (9)
		(MCF)	(MCF)	(MCF)	(\$)		(\$)	(\$)	(\$)	(\$)
PRIOR YEAR E-FACTOR										
										\$ 2,444,989
MONTH										
SEPTEMBER 2016	Actual	925,157	1,476	926,633	\$ 3,457,095	-8.0%	\$ (278,226)	\$ (614)	\$ (278,840)	\$ 2,166,149
OCTOBER	Actual	1,202,685	-	1,202,685	\$ 5,070,159	-1.5%	\$ (74,678)	\$ 38	\$ (74,640)	\$ 2,091,509
NOVEMBER	Estimated	2,987,104	-	2,987,104	\$ 12,553,603	-1.5%	\$ (184,902)	\$ -	\$ (184,902)	\$ 1,906,607
<hr/>										
DECEMBER	Estimated	5,765,152	-	5,765,152	\$ 24,099,198		\$ (279,252)	\$ -	\$ (279,252)	
JANUARY 2017	Estimated	9,363,986	-	9,363,986	\$ 38,932,646		\$ (453,572)	\$ -	\$ (453,572)	
FEBRUARY	Estimated	8,284,967	-	8,284,967	\$ 34,446,409		\$ (401,307)	\$ -	\$ (401,307)	
MARCH	Estimated	6,422,581	-	6,422,581	\$ 26,703,165		\$ (311,097)	\$ -	\$ (311,097)	
APRIL	Estimated	4,412,365	-	4,412,365	\$ 18,345,290		\$ (213,726)	\$ -	\$ (213,726)	
MAY	Estimated	2,079,009	-	2,079,009	\$ 8,643,896		\$ (100,703)	\$ -	\$ (100,703)	
JUNE	Estimated	1,121,678	-	1,121,678	\$ 4,663,600		\$ (54,332)	\$ -	\$ (54,332)	
JULY	Estimated	1,014,539	-	1,014,539	\$ 4,218,147		\$ (49,142)	\$ -	\$ (49,142)	
AUGUST	Estimated	897,584	-	897,584	\$ 3,731,885		\$ (43,477)	\$ -	\$ (43,477)	
TOTAL		39,361,861	-	39,361,861	163,784,237		(1,906,607)	-	(1,906,607)	

DECEMBER 1, 2016 E-FACTOR -0.0484

6 = (Col 1 * -0.0484)

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

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

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

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

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

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

Current Rates

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

December 1, 2016 - Distribution Charge

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

Proposed Rates

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

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

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

* This is the Senior Citizen Discount based on the Distribution Charge without the Universal Services Surcharge plus the GCR. This is used to calculate the Universal Services Surcharge. The total senior citizen discount is \$3,750,167.

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

<u>Month</u>		<u>USC</u> <u>Applicable</u> <u>Volumes</u>	<u>USC</u> <u>Charge</u>	<u>USC</u> <u>Revenue</u> <u>Billed</u>	<u>USC</u> <u>Expenses</u>	<u>Monthly</u> <u>Over/(Under)</u> <u>Recovery</u>	<u>Cumulative</u> <u>Over/(Under)</u> <u>Recovery</u>
FY 16 Reconciliation							
September 2016	Actual	1,071,555	\$ 1.5104	\$ 1,618,477	\$ (2,641,360)	\$ 4,259,836	(\$9,049,197)
October	Actual	1,401,686	\$ 1.5160	\$ 2,124,956	\$ (1,818,406)	\$ 3,943,362	(\$5,105,835)
November	Estimated	3,384,102	\$ 1.5160	\$ 5,130,299	\$ 3,530,214	\$ 1,600,085	(\$3,505,750)

<u>USC Expenses</u>	<u>Sep-16</u>	<u>Oct-16</u>	<u>Nov-16</u>
ELIRP Expense	\$ 4,070	\$ 3,253	\$ 645,485
ELIRP Labor	\$ 9,245	\$ 6,710	\$ 9,280
CRP Discount	\$ (1,982,820)	\$ (1,220,808)	\$ 1,793,266
CRP Forgiveness	\$ (764,938)	\$ (734,013)	\$ 813,800
Senior Citizen Discount	\$ 93,084	\$ 126,452	\$ 268,383
Bad Debt Expense Offset*	\$ -	\$ -	\$ -
Total	\$ (2,641,360)	\$ (1,818,406)	\$ 3,530,214

<u>CRP Participation</u>		
Rate Case Participation Rate	84,000	84,000
Actual Participation Rate*	50,045	49,664
CRP Under(Over) Participation	33,955	34,336
<u>Average Shortfall Per CRP Participant</u>		
CRP Discount	\$ (1,982,820)	\$ (1,220,808)
Actual Participation Rate	50,045	49,664
Average Shortfall per CRP Participant	\$ (40)	\$ (25)
Shortfall*	\$ -	\$ -
Bad Debt Expense Offset* 7.1%	\$ -	\$ -

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

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

<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 15 Reconciliation							\$ (9,295,907)
September 2015	Actual	1,035,315	\$ 1.4187	\$ 1,468,750	\$ (1,940,513)	\$ 3,409,263	\$ (5,886,644)
October	Actual	1,530,956	\$ 1.3471	\$ 2,062,351	\$ (179,146)	\$ 2,241,497	\$ (3,645,147)
November	Actual	2,667,452	\$ 1.3471	\$ 3,593,325	\$ 3,725,297	\$ (131,973)	\$ (3,777,119)
December	Actual	4,261,276	\$ 1.2070	\$ 5,143,360	\$ 7,360,541	\$ (2,217,181)	\$ (5,994,301)
January 2016	Actual	7,019,199	\$ 1.0669	\$ 7,488,784	\$ 12,271,685	\$ (4,782,901)	\$ (10,777,202)
February	Actual	8,466,423	\$ 1.0669	\$ 9,032,826	\$ 12,852,293	\$ (3,819,467)	\$ (14,596,669)
March	Actual	6,231,280	\$ 1.2174	\$ 7,585,960	\$ 10,501,395	\$ (2,915,434)	\$ (17,512,103)
April	Actual	4,094,452	\$ 1.3679	\$ 5,600,801	\$ 7,089,999	\$ (1,489,197)	\$ (19,001,301)
May	Actual	2,599,218	\$ 1.3679	\$ 3,555,470	\$ 2,824,027	\$ 731,442	\$ (18,269,858)
June	Actual	1,554,784	\$ 1.4364	\$ 2,233,214	\$ 512,417	\$ 1,720,797	\$ (16,549,061)
July	Actual	1,090,333	\$ 1.5048	\$ 1,640,734	\$ (416,323)	\$ 2,057,057	\$ (14,492,005)
August	Actual	997,202	\$ 1.5048	\$ 1,500,589	\$ 317,617	\$ 1,182,972	\$ (13,309,033)

<u>USC Expenses</u>	<u>Sep-15</u>	<u>Oct-15</u>	<u>Nov-15</u>	<u>Dec-15</u>	<u>Jan-16</u>	<u>Feb-16</u>	<u>Mar-16</u>	<u>Apr-16</u>	<u>May-16</u>	<u>Jun-16</u>	<u>Jul-16</u>	<u>Aug-16</u>	<u>Total</u>
ELIRP Expense	\$ 2,532	\$ 553,720	\$ 622,738	\$ 602,084	\$ 627,513	\$ 614,085	\$ 577,807	\$ 773,096	\$ 616,300	\$ 639,508	\$ 735,507	\$ 1,574,432	\$ 7,939,322
ELIRP Labor	\$ 10,623	\$ 12,196	\$ 8,913	\$ 8,759	\$ 11,284	\$ 9,149	\$ 9,212	\$ 12,251	\$ 9,325	\$ 10,614	\$ 14,025	\$ 13,193	\$ 129,544
CRP Discount	\$ (2,580,366)	\$ (1,452,007)	\$ 2,250,502	\$ 5,686,259	\$ 10,196,817	\$ 10,828,112	\$ 8,489,760	\$ 4,982,892	\$ 1,114,289	\$ (1,096,436)	\$ (2,026,795)	\$ (2,160,228)	\$ 34,232,797
CRP Forgiveness	\$ 533,280	\$ 561,291	\$ 542,000	\$ 616,950	\$ 781,302	\$ 718,458	\$ 867,149	\$ 934,553	\$ 855,603	\$ 825,567	\$ 768,032	\$ 801,053	\$ 8,805,239
Senior Citizen Discount	\$ 93,418	\$ 145,654	\$ 301,144	\$ 446,490	\$ 654,769	\$ 682,489	\$ 557,467	\$ 387,207	\$ 228,510	\$ 133,164	\$ 92,908	\$ 89,167	\$ 3,812,387
Bad Debt Expense Offset*	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total	\$ (1,940,513)	\$ (179,146)	\$ 3,725,297	\$ 7,360,541	\$ 12,271,685	\$ 12,852,293	\$ 10,501,395	\$ 7,089,999	\$ 2,824,027	\$ 512,417	\$ (416,323)	\$ 317,617	\$ 54,919,289

CRP Participation													
Rate Case Participation Rate	84,000	84,000	84,000	84,000	84,000	84,000	84,000	84,000	84,000	84,000	84,000	84,000	84,000
Actual Participation Rate*	58,958	58,609	58,462	58,282	57,112	56,006	55,435	56,823	55,569	51,691	50,914	51,071	
CRP Under(Over) Participation	25,042	25,391	25,538	25,718	26,888	27,994	28,565	27,177	28,431	32,309	33,086	32,929	
Average Shortfall Per CRP Participant													
CRP Discount	\$ (2,580,366)	\$ (1,452,007)	\$ 2,250,502	\$ 5,686,259	\$ 10,196,817	\$ 10,828,112	\$ 8,489,760	\$ 4,982,892	\$ 1,114,289	\$ (1,096,436)	\$ (2,026,795)	\$ (2,160,228)	
Actual Participation Rate	58,958	58,609	58,462	58,282	57,112	56,006	55,435	56,823	55,569	51,691	50,914	51,071	
Average Shortfall per CRP Participant	\$ (44)	\$ (25)	\$ 38	\$ 98	\$ 179	\$ 193	\$ 153	\$ 88	\$ 20	\$ (21)	\$ (40)	\$ (42)	
Shortfall*	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bad Debt Expense Offset* 7.1%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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

EFFICIENCY COST RECOVERY (ECR) SURCHARGE
December 1, 2016

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

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

		Actual <u>Sep-16</u>	Actual <u>Oct-16</u>	Estimated <u>Nov-16</u>
<u>RESIDENTIAL & PHA GS</u>				
FY 2016 Over-Collection	\$ 470,139			
Volume Billed		690,375	883,073	2,351,045
ECR Surcharge		<u>\$ 0.0157</u>	<u>\$ 0.0195</u>	<u>\$ 0.0195</u>
Revenue Billed		\$ 10,839	\$ 17,220	\$ 45,845
RHER	Expense	\$ 3,209	\$ 3,085	\$ 76,432
RHER	Labor	\$ 1,095	\$ 795	\$ 1,099
HECI	Expense	\$ 59	\$ 47	\$ 8,986
HECI	Labor	\$ 133	\$ 97	\$ 134
CRR1	Expense	\$ 93	\$ 1,870	\$ 17,224
CRR1	Labor	\$ 211	\$ 153	\$ 212
CIRI	Expense	\$ 76	\$ 61	\$ 11,247
CIRI	Labor	\$ 174	\$ 126	\$ 174
CIER	Expense	\$ 4	\$ 3	\$ 560
CIER	Labor	\$ 8	\$ 6	\$ 8
Total		\$ 5,062	\$ 6,243	\$ 116,076
Monthly Over/(Under)		\$ 5,777	\$ 10,977	\$ (70,231)
Cumulative Over/(Under)		\$ 475,916	\$ 486,892	\$ 416,661
<u>COMMERCIAL & PHA</u>				
FY 2016 Over-Collection	\$ 160,448			
Volume Billed		342,337	464,675	894,679
ECR Surcharge		<u>\$ 0.0493</u>	<u>\$ 0.0510</u>	<u>\$ 0.0510</u>
Revenue Billed		\$ 16,877	\$ 23,698	\$ 45,629
RHER	Expense	\$ 354	\$ 340	\$ 8,424
RHER	Labor	\$ 121	\$ 88	\$ 121
CRR1	Expense	\$ 2	\$ 35	\$ 318
CRR1	Labor	\$ 4	\$ 3	\$ 4
CIRI	Expense	\$ 138	\$ 110	\$ 20,302
CIRI	Labor	\$ 313	\$ 227	\$ 314
CIER	Expense	\$ 193	\$ 154	\$ 29,711
CIER	Labor	\$ 439	\$ 319	\$ 441
HECI	Expense	\$ 72	\$ 57	\$ 11,021
HECI	Labor	\$ 163	\$ 119	\$ 164
Total		\$ 1,799	\$ 1,452	\$ 70,820
Monthly Over/(Under)		\$ 15,078	\$ 22,247	\$ (25,192)
Cumulative Over/(Under)		\$ 175,526	\$ 197,772	\$ 172,581
<u>INDUSTRIAL</u>				
FY 2016 Over-Collection	\$ 15,015			
Volume Billed		25,814	37,863	78,007
ECR Surcharge		<u>\$ 0.1224</u>	<u>\$ 0.1212</u>	<u>\$ 0.1212</u>
Revenue Billed		\$ 3,160	\$ 4,589	\$ 9,454
RHER	Expense	\$ 3	\$ 3	\$ 62
RHER	Labor	\$ 1	\$ 1	\$ 1
CIRI	Expense	\$ -	\$ -	\$ -
CIRI	Labor	\$ -	\$ -	\$ -
CIER	Expense	\$ 29	\$ 23	\$ 4,387
CIER	Labor	\$ 65	\$ 47	\$ 65
Total		\$ 97	\$ 73	\$ 4,515
Monthly Over/(Under)		\$ 3,063	\$ 4,516	\$ 4,939
Cumulative Over/(Under)		\$ 18,077	\$ 22,593	\$ 27,533

**EFFICIENCY COST RECOVERY (ECR) SURCHARGE
STATEMENT OF RECONCILIATION
SEPTEMBER 2015 - AUGUST 2016**

	Actual Sep-15	Actual Oct-15	Actual Nov-15	Actual Dec-15	Actual Jan-16	Actual Feb-16	Actual Mar-16	Actual Apr-16	Actual May-16	Actual Jun-16	Actual Jul-16	Actual Aug-16	Total
RESIDENTIAL & PHA GS													
FY 2015 Over-Collection \$ 1,566,406													
Volume Billed	646,466	991,567	1,879,532	3,150,135	5,284,536	6,475,144	4,775,075	3,099,648	1,931,355	1,077,228	705,589	630,227	30,646,502
ECR Surcharge	\$ 0.0045	\$ 0.0071	\$ 0.0071	\$ 0.0049	\$ 0.0027	\$ 0.0027	\$ 0.0029	\$ 0.0030	\$ 0.0030	\$ 0.0075	\$ 0.0119	\$ 0.0119	
Revenue Billed	\$ 2,909	\$ 7,040	\$ 13,345	\$ 15,436	\$ 14,268	\$ 17,483	\$ 13,609	\$ 9,299	\$ 5,794	\$ 8,025	\$ 8,397	\$ 7,500	\$ 123,104
RHER Expense	\$ 233	\$ 83,436	\$ 30,200	\$ 45,339	\$ 13,297	\$ 114,028	\$ 23,406	\$ 70,565	\$ 30,572	\$ 30,621	\$ 55,963	\$ 69,371	\$ 567,031
RHER Labor	\$ 976	\$ 1,121	\$ 850	\$ 805	\$ 1,037	\$ 958	\$ 847	\$ 1,126	\$ 1,006	\$ 975	\$ 1,289	\$ 1,321	\$ 12,311
HECI Expense	\$ 27	\$ 2,894	\$ 7,426	\$ 3,268	\$ 527	\$ 27,496	\$ 3,786	\$ 45,221	\$ (31,683)	\$ 1,676	\$ 5,242	\$ 20,748	\$ 86,628
HECI Labor	\$ 115	\$ 131	\$ 422	\$ 94	\$ 122	\$ 980	\$ 99	\$ 132	\$ (1,297)	\$ 114	\$ 151	\$ 323	\$ 1,386
CRRI Expense	\$ 219	\$ 373	\$ 172,355	\$ 36,556	\$ 29,111	\$ 29,702	\$ 27,497	\$ 33,532	\$ 6,723	\$ 51,584	\$ 38,715	\$ 102,517	\$ 528,883
CRRI Labor	\$ 919	\$ 1,056	\$ 785	\$ 758	\$ 977	\$ 968	\$ 797	\$ 1,060	\$ 460	\$ 919	\$ 1,214	\$ 1,174	\$ 11,086
CIRI Expense	\$ 34	\$ 4,372	\$ 37	\$ 425	\$ 344	\$ 262	\$ 190	\$ 207	\$ 61	\$ 164	\$ 53	\$ 3,773	\$ 9,922
CIRI Labor	\$ 142	\$ 163	\$ 167	\$ 117	\$ 151	\$ 231	\$ 123	\$ 164	\$ (31)	\$ 142	\$ 188	\$ 177	\$ 1,734
CIER Expense	\$ 2	\$ 390	\$ (19)	\$ 1,282	\$ 89	\$ (1,371)	\$ 544	\$ 762	\$ (1,313)	\$ 577	\$ 650	\$ (1,210)	\$ 383
CIER Labor	\$ 10	\$ 12	\$ 12	\$ 9	\$ 11	\$ (15)	\$ 9	\$ 12	\$ (52)	\$ 10	\$ 14	\$ (25)	\$ 8
Total	\$ 2,678	\$ 93,947	\$ 212,235	\$ 88,653	\$ 45,666	\$ 173,239	\$ 57,299	\$ 152,780	\$ 4,445	\$ 86,783	\$ 103,479	\$ 198,167	\$ 1,219,371
Monthly Over/(Under)	\$ 231	\$ (86,907)	\$ (198,891)	\$ (73,217)	\$ (31,397)	\$ (155,756)	\$ (43,690)	\$ (143,481)	\$ 1,349	\$ (78,758)	\$ (95,082)	\$ (190,667)	
Cumulative Over/(Under)	\$ 1,566,637	\$ 1,479,730	\$ 1,280,839	\$ 1,207,622	\$ 1,176,225	\$ 1,020,469	\$ 976,778	\$ 833,297	\$ 834,646	\$ 755,889	\$ 660,806	\$ 470,139	
COMMERCIAL & PHA													
FY 2015 Over-Collection \$ 201,155													
Volume Billed	349,209	487,460	700,057	971,790	1,506,529	1,702,505	1,280,662	865,683	600,966	422,008	337,246	331,574	9,555,689
ECR Surcharge	\$ 0.0221	\$ 0.0243	\$ 0.0243	\$ 0.0345	\$ 0.0446	\$ 0.0446	\$ 0.0508	\$ 0.0570	\$ 0.0570	\$ 0.0523	\$ 0.0476	\$ 0.0476	
Revenue Billed	\$ 7,700	\$ 11,845	\$ 17,011	\$ 33,478	\$ 67,191	\$ 75,932	\$ 65,058	\$ 49,344	\$ 34,255	\$ 22,071	\$ 16,053	\$ 15,783	\$ 415,721
RHER Expense	\$ 27	\$ 9,679	\$ 2,943	\$ 5,259	\$ 1,542	\$ 9,374	\$ 2,715	\$ 8,186	\$ (7,322)	\$ 3,552	\$ 6,492	\$ 2,969	\$ 45,415
RHER Labor	\$ 113	\$ 130	\$ 71	\$ 93	\$ 120	\$ (5)	\$ 98	\$ 131	\$ (64)	\$ 113	\$ 150	\$ 36	\$ 986
CRRI Expense	\$ 4	\$ 7	\$ 3,514	\$ 640	\$ 510	\$ 610	\$ 481	\$ 587	\$ 1,250	\$ 903	\$ 678	\$ 435	\$ 9,619
CRRI Labor	\$ 16	\$ 18	\$ -	\$ 13	\$ 17	\$ (162)	\$ 14	\$ 19	\$ 361	\$ 16	\$ 21	\$ (12)	\$ 322
CIRI Expense	\$ 61	\$ 7,892	\$ 27	\$ 768	\$ 621	\$ 222	\$ 342	\$ 373	\$ 401	\$ 296	\$ 96	\$ 6,810	\$ 17,909
CIRI Labor	\$ 257	\$ 295	\$ 168	\$ 212	\$ 273	\$ 113	\$ 223	\$ 296	\$ 381	\$ 256	\$ 339	\$ 319	\$ 3,130
CIER Expense	\$ 83	\$ 13,026	\$ 4,312	\$ 42,854	\$ 2,983	\$ 18,150	\$ 18,200	\$ 25,465	\$ 31,200	\$ 19,290	\$ 21,747	\$ 67,764	\$ 265,075
CIER Labor	\$ 348	\$ 400	\$ 459	\$ 287	\$ 370	\$ 960	\$ 302	\$ 402	\$ 196	\$ 348	\$ 460	\$ 769	\$ 5,300
HECI Expense	\$ 33	\$ 3,526	\$ 397	\$ 3,981	\$ 642	\$ (2,627)	\$ 4,613	\$ 55,095	\$ 37,430	\$ 2,042	\$ 6,386	\$ (4,555)	\$ 106,963
HECI Labor	\$ 140	\$ 160	\$ (208)	\$ 115	\$ 148	\$ (762)	\$ 121	\$ 161	\$ 1,520	\$ 139	\$ 184	\$ (7)	\$ 1,711
Total	\$ 1,082	\$ 35,132	\$ 11,682	\$ 54,222	\$ 7,226	\$ 25,874	\$ 27,109	\$ 90,713	\$ 65,353	\$ 26,956	\$ 36,552	\$ 74,527	\$ 456,429
Monthly Over/(Under)	\$ 6,618	\$ (23,286)	\$ 5,329	\$ (20,744)	\$ 59,965	\$ 50,058	\$ 37,948	\$ (41,369)	\$ (31,098)	\$ (4,885)	\$ (20,499)	\$ (58,744)	
Cumulative Over/(Under)	\$ 207,773	\$ 184,487	\$ 189,816	\$ 169,071	\$ 229,036	\$ 279,094	\$ 317,042	\$ 275,673	\$ 244,575	\$ 239,690	\$ 219,191	\$ 160,448	
INDUSTRIAL													
FY 2015 Under-Collection \$ (113,291)													
Volume Billed	28,538	36,712	48,035	70,044	117,704	135,137	88,355	57,354	42,617	41,716	35,900	24,059	726,171
ECR Surcharge	\$ (0.0102)	\$ (0.0091)	\$ (0.0091)	\$ 0.1086	\$ 0.2262	\$ 0.2262	\$ 0.2575	\$ 0.2888	\$ 0.2888	\$ 0.2062	\$ 0.1236	\$ 0.1236	
Revenue Billed	\$ (291)	\$ (334)	\$ (437)	\$ 7,603	\$ 26,625	\$ 30,568	\$ 22,751	\$ 16,564	\$ 12,308	\$ 8,602	\$ 4,437	\$ 2,974	\$ 131,369
RHER Expense	\$ 0	\$ 81	\$ (83)	\$ 44	\$ 13	\$ (66)	\$ 23	\$ 69	\$ (81)	\$ 30	\$ 54	\$ (84)	\$ -
RHER Labor	\$ 1	\$ 1	\$ (6)	\$ 1	\$ 1	\$ (14)	\$ 1	\$ 1	\$ 15	\$ 1	\$ 1	\$ (2)	\$ -
CIRI Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CIRI Labor	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CIER Expense	\$ 19	\$ 3,053	\$ (211)	\$ 10,045	\$ 699	\$ (11,121)	\$ 4,266	\$ 5,969	\$ (9,856)	\$ 4,522	\$ 5,098	\$ (9,480)	\$ 3,004
CIER Labor	\$ 82	\$ 94	\$ (102)	\$ 67	\$ 87	\$ (567)	\$ 71	\$ 94	\$ 243	\$ 82	\$ 108	\$ (197)	\$ 60
Total	\$ 102	\$ 3,229	\$ (402)	\$ 10,157	\$ 800	\$ (11,768)	\$ 4,361	\$ 6,133	\$ (9,679)	\$ 4,634	\$ 5,261	\$ (9,764)	\$ 3,064
Monthly Over/(Under)	\$ (393)	\$ (3,563)	\$ (35)	\$ (2,554)	\$ 25,825	\$ 42,336	\$ 18,391	\$ 10,431	\$ 21,987	\$ 3,968	\$ (824)	\$ 12,738	
Cumulative Over/(Under)	\$ (113,685)	\$ (117,248)	\$ (117,283)	\$ (119,837)	\$ (94,012)	\$ (51,676)	\$ (33,285)	\$ (22,854)	\$ (867)	\$ 3,101	\$ 2,277	\$ 15,015	

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

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

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

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

<u>Fiscal Year</u>	<u>Firm Sendout (Mcf)</u>	<u>Accounted For Gas (Mcf)</u>	<u>Unaccounted For (Mcf)</u>	<u>3 Year Average</u>
2013-14	54,433,034	52,971,340	1,461,694	
2014-15	55,108,734	53,062,451	2,046,284	
2015-16	<u>43,389,839</u>	<u>42,040,302</u>	<u>1,349,537</u>	
Total	152,931,608	148,074,093	4,857,515	3.2%

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

Basis Differentials

Prices Used For Gas Cost Inputs

	TRANSCO					TETCO				NYMEX Futures 11/04/16 Close	TRANSCO					TETCO			
	Sta 30	Sta 45	Sta 65	Sta. 85	Zone 6- Non-NY	ELA	WLA	M-1	M-2		Sta 30	Sta 45	Sta 65	Sta. 85	Zone 6- Non-NY	ELA	WLA	M-1	M-2
2016:11											2.69	2.70	2.72	2.73	1.89	2.67	2.70	2.66	1.10
2016:12	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.10)	(0.48)	2.767	2.66	2.63	2.75	2.76	2.84	2.71	2.69	2.67	2.29
2017:1	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.10)	(0.48)	2.937	2.83	2.80	2.92	2.93	3.01	2.88	2.86	2.84	2.46
2017:2	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.10)	(0.48)	2.967	2.86	2.83	2.95	2.96	3.04	2.91	2.89	2.87	2.49
2017:3	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.10)	(0.48)	2.955	2.85	2.82	2.94	2.95	3.03	2.90	2.88	2.86	2.48
2017:4	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.10)	(0.48)	2.892	2.78	2.75	2.87	2.88	2.96	2.83	2.81	2.79	2.41
2017:5	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.10)	(0.48)	2.898	2.79	2.76	2.88	2.89	2.97	2.84	2.82	2.80	2.42
2017:6	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.10)	(0.48)	2.938	2.83	2.80	2.92	2.93	3.01	2.88	2.86	2.84	2.46
2017:7	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.10)	(0.48)	2.976	2.87	2.84	2.96	2.97	3.05	2.92	2.90	2.88	2.50
2017:8	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.10)	(0.48)	2.979	2.87	2.84	2.96	2.97	3.05	2.92	2.90	2.88	2.50
2017:9	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.10)	(0.32)	2.965	2.86	2.83	2.95	2.96	3.04	2.91	2.89	2.87	2.65
2017:10	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.10)	(0.32)	2.983	2.87	2.84	2.96	2.97	3.05	2.92	2.90	2.88	2.66
2017:11	(0.11)	(0.14)	(0.02)	(0.01)	0.07	(0.06)	(0.08)	(0.10)	(0.32)	3.031	2.92	2.89	3.01	3.02	3.10	2.97	2.95	2.93	2.71

Actual Natural Gas Billed

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

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

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