

**Philadelphia Gas Works**  
**Before The**  
**Pennsylvania Public Utility Commission**

**Computation of Annual Purchased Gas Costs  
For Twelve Months Ending August 31, 2018**

**66 Pa.C.S. § 1307(f)**

**Information Submitted Pursuant To:**

**66 Pa.C.S. §§ 1307(f), 1317, 1318 and  
52 Pa. Code § 53.61, et seq.**

**March 1, 2017**

**Philadelphia Gas Works  
66 Pa.C.S. § 1307(f) – 2017**

**Table of Contents**

**Regulation Responses to  
52 Pa. Code §§ 53.64(c) and 53.65**

|  | <b><u>Tab</u></b> |
|--|-------------------|
| <b>53.64 (a) Tariff Revisions</b>                  | <b>#1</b>         |
| <b>53.64 (a) Work Papers</b>                       | <b>#2</b>         |
| <b>53.64 (c) (1) Actual Information Finalized</b>  | <b>#3</b>         |
| <b>53.64 (c) (1) Forecast Information</b>          | <b>#4</b>         |
| <b>53.64 (c) (11) Testimony – Kenneth Dybalski</b> | <b>#5</b>         |
| <b>53.64 (c) (11) Testimony – Raymond Snyder</b>   | <b>#6</b>         |

# Tab 1

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

**Supplement No. 102**

**PHILADELPHIA GAS WORKS**  
**GAS SERVICE TARIFF**



Issued by: Craig White  
President and CEO

PHILADELPHIA GAS WORKS  
800 West Montgomery Avenue  
Philadelphia, PA 19122

**List of Changes Made by this Tariff Supplement**

**TABLE OF CONTENTS (Page Nos. 6-7)**

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

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

In the definition of "GAC," the "GAC" value effective September 1, 2017, increases from \$(0.00609) per Ccf to \$(0.00573) per Ccf.

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

In the definition of "IRC," the "IRC" value effective September 1, 2017, decreases from \$0.00017 to \$0.00012 per Ccf. In the definition of "SSC," the "SSC" value effective September 1, 2017, decreases from \$0.50056 per Ccf to \$0.48736 per Ccf.

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

The Gas Cost Rate (GCR) effective September 1, 2017, decreases from \$0.49430 per Ccf to \$0.48152 per Ccf.

**PRICE TO COMPARE (Page No. 78)**

The Prices to Compare effective September 1, 2017, are: a) \$0.50817 per Ccf for Residential; b) \$0.48698 per Ccf for Commercial Customers on Rate GS; c) \$0.48707 per Ccf for Industrial Customers on Rate GS; and d) \$0.48563 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.

**RESTRUCTURING AND CONSUMER EDUCATION SURCHARGE (Page No. 79)**

The Current Restructuring and Consumer Education Surcharge effective September 1, 2017, is \$0.00095 per Ccf.

**EFFICIENCY COST RECOVERY SURCHARGE (Page No. 80)**

The Efficiency Cost Recovery Surcharges effective September 1, 2017, are: a) \$0.00304 per Ccf for Residential and Public Housing Customers on Rate GS; b) \$0.00765 per Ccf for Commercial Customers on Rate GS; c) \$0.00893 per Ccf for Industrial Customers on Rate GS; d) \$0.00000 per Ccf for Municipal Customers on Rate MS; and e) \$0.00765 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 September 1, 2017, decreases from \$0.14628 per Ccf to \$0.12484 per Ccf.

**OTHER POST EMPLOYMENT BENEFIT ("OPEB") SURCHARGE (Page No. 82)**

The Other Post Employment Benefit Surcharge effective September 1, 2017, increases from \$0.03724 per Ccf to \$0.03757 per Ccf.

**GENERAL SERVICE – RATE GS (Page No. 83)**

The Gas Cost Rate (GCR) effective September 1, 2017, decreases from \$0.49430 per Ccf to \$0.48152 per Ccf.

**MUNICIPAL SERVICE – RATE MS (Page No. 87)**

The Gas Cost Rate (GCR) effective September 1, 2017, decreases from \$0.49430 per Ccf to \$0.48152 per Ccf.

PHILADELPHIA GAS WORKS

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

The Gas Cost Rate (GCR) effective September 1, 2017, decreases from \$0.49430 per Ccf to \$0.48152 per Ccf.

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

The Gas Cost Rate (GCR) effective September 1, 2017, decreases from \$0.49430 per Ccf to \$0.48152 per Ccf.

## TABLE OF CONTENTS

|  | <u>Page Number</u>              |
|--|---------------------------------|
| List of Changes Made By This Tariff _____  | One Hundred and First Revised 2 |
| Description of Territory Served _____  | 5                               |
| Table of Contents _____  | One Hundred and First Revised 6 |
| Definitions _____  | Second Revised 10               |
| <b><u>RULES and REGULATIONS:</u></b>   |                                 |
| 1. The Gas Service Tariff _____  | First Revised 15                |
| 2. Application and Contract for Gas Service _____  | Sixth Revised 17                |
| 3. Credit and Deposit _____  | Third Revised 21                |
| 4. Billing and Payment _____   | Second Revised 26               |
| 5. Termination and/or Discontinuance of Gas Service _____  | Second Revised 30               |
| 6. Termination of Service for Safety Reasons and Curtailment of Service/<br>Service Continuity _____ | First Revised 38                |
| 7. Inquiry, Review, Dispute, and Appeals Process _____   | First Revised 41                |
| 8. Customer's Responsibility for Company's Property _____  | First Revised 44                |
| 9. Conditions of Service, Point of Delivery, and Application of Rates _____                          | Third Revised 47                |
| 10. Extensions And Rights-Of-Way _____   | First Revised 50                |
| 11. Meters: Measurements, Readings, Errors, and Tests _____  | First Revised 53                |
| 12. Service Charges and Miscellaneous Fees and Provisions _____                                      | Second Revised 57               |
| 13. Universal Service And Energy Conservation Programs _____   | Second Revised 59               |
| 14. Gas Choice Enrollment and Switching _____  | First Revised 63                |
| 15. Supplier of Last Resort _____  | First Revised 65                |



|  | <b>Page Number</b>       |
|--|--------------------------|
| <b>RATES (Cover Page)</b> _____  | 66                       |
| <b>Gas Cost Rate</b> _____   | Sixty Fifth Revised 67   |
| <b>Revenue Reconciliation Adjustment (RRA) Rider</b> _____                               | 70                       |
| <b>Senior Citizen Discount</b> _____   | First Revised 72         |
| <b>Exit Fee Rider</b> _____  | 77                       |
| <b>Merchant Function &amp; Gas Procurement Charges; Price to Compare</b> _____           | Twentieth Revised 78     |
| <b>Restructuring and Consumer Education Surcharge</b> _____                              | Twenty Fifth Revised 79  |
| <b>Efficiency Cost Recovery Mechanism</b> _____  | Thirty Third Revised 80  |
| <b>Universal Services Surcharge</b> _____  | Sixty Seventh Revised 81 |
| <b>Other Post Employment Benefit Surcharge</b> _____                                     | Tenth Revised 82         |
| <b>General Service - Rate GS</b> _____   | Seventy Fifth Revised 83 |
| <b>Municipal Service - Rate MS</b> _____   | Seventy Fifth Revised 87 |
| <b>Philadelphia Housing Authority Service – Rate PHA</b> _____                           | Seventy Fifth Revised 90 |
| <b>Boiler and Power Plant Service – Rate BPS</b> _____                                   | Fourth Revised 93        |
| <b>Load Balancing Service – RATE LBS</b> _____   | Fourth Revised 97        |
| <b>Daily Balancing Service – Rate DB</b> _____   | 101                      |
| <b>Interruptible Transportation Service – Rate IT</b> _____                              | 111                      |
| <b>Gas Transportation Service - Rate GTS - Firm Service</b> _____                        | 118                      |
| <b>Gas Transportation Service - Rate GTS - Interruptible</b> _____                       | 124                      |
| <b>Cogeneration Service - Rate CG</b> _____  | Third Revised 131        |
| <b>Developmental Natural Gas Vehicle Service - Rate NGVS Firm Service</b> _____          | Forty Eighth Revised 135 |
| <b>Developmental Natural Gas Vehicle Service - Rate NGVS Interruptible Service</b> _____ | 139                      |
| <b>Liquefied Natural Gas Service – Rate LNG</b> _____                                    | Third Revised 142        |
| <b>SPECIAL PROVISION – Air Conditioning Rider</b> _____                                  | 143                      |
| <b>SPECIAL PROVISION – Compressed Natural Gas Rider</b> _____                            | 145                      |
| <b>SPECIAL PROVISION – Emergency/Unauthorized Use Gas Rider</b> _____                    | 147                      |
| <b>WEATHER NORMALIZATION ADJUSTMENT CLAUSE</b> _____                                     | Third Revised 149        |
| <b>DISTRIBUTION SYSTEM IMPROVEMENT CHARGE</b> _____                                      | Sixteenth Revised 151    |

**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 \$(0.01041) per Ccf for Commodity Costs and \$0.00468 per Ccf for Demand Costs, for service on or after September 1, 2017. The total GAC is \$(0.00573) 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 \$0.00012 per Ccf for service on or after September 1, 2017.

**(D)**

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

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

SSC - Sales Service Charge - The purchased Gas costs determined to the nearest  $\frac{1}{100}$  of a cent (\$0.0001). The currently effective SSC is \$0.35938 per Ccf for Commodity Costs and \$0.12798 per Ccf for Demand Costs, for service on or after September 1, 2017. The total SSC is \$0.48736 per Ccf.

**(D)**

**(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 \$0.48152 per Ccf, for service on or after September 1, 2017.

**(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        |
|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <b>SSC</b> | \$0.48736   | \$0.48736   | \$0.48736   | \$0.48736   | \$0.48736   | \$0.48736   | \$0.48736   |
| <b>GAC</b> | (\$0.00573) | (\$0.00573) | (\$0.00573) | (\$0.00573) | (\$0.00573) | (\$0.00573) | (\$0.00573) |
| <b>MFC</b> | \$0.02254   | \$0.00000   | \$0.00135   | \$0.00144   | \$0.00000   | \$0.00000   | \$0.00000   |
| <b>GPC</b> | \$0.00400   | \$0.00400   | \$0.00400   | \$0.00400   | \$0.00400   | \$0.00400   | \$0.00400   |
| <b>PTC</b> | \$0.50817   | \$0.48563   | \$0.48698   | \$0.48707   | \$0.48563   | \$0.48563   | \$0.48563   |

(C)

(C) - Change

## RESTRUCTURING AND CONSUMER EDUCATION SURCHARGE

Non-Gas restructuring and consumer education costs, including the costs arising from implementation and administration of the Account Number Access Mechanism as specified in the Commission's Final Order entered on October 27, 2016, at Docket No. M-2015-2468991, will be recovered by a Restructuring and Consumer Education Surcharge applicable to all volumes of Gas delivered.

1. Computation of the Restructuring and Consumer Education Surcharge factors will be in accordance with the automatic adjustment procedures utilized under Section 1307 of the Public Utility Code and will be filed and approved in conjunction with the Company's annual Section 1307(f)-GCR filing.
2. Restructuring and Consumer Education costs recovered through the Surcharge mechanism are the Commission approved costs which the Company has or will incur to meet the requirements of the Natural Choice and Competition Act and applicable Commission regulations, orders and other regulatory requirements, other than those costs pertaining to universal service and energy conservation programs.
3. Once the surcharge is in place, PGW shall file reconciliation statements quarterly and shall submit a claim for over/under recovery on an annual basis, at the same time it submits its projected Restructuring costs and Restructuring Surcharge claim for the next year; provided however, that if a project for which costs were included in the Restructuring Surcharge is cancelled or delayed beyond the year in which the cost was originally scheduled to be incurred, the Company will withdraw the projected costs of that project from the Restructuring Surcharge in its next quarterly update. No interest will be included in such surcharge computations. The basic component of the surcharge will be determined by dividing the restructuring and consumer education costs approved for annual recovery by the estimated applicable throughput in Mcf.
4. The Restructuring and Consumer Education Surcharge shall remain in effect until restructuring and consumer education costs have been collected or as otherwise directed by the Commission.
5. The Restructuring and Consumer Education Surcharge is effective on and after September 1, 2008.

Current Restructuring and Consumer Education Surcharge = \$0.00095/Ccf

(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) \$0.00304 per Ccf for Residential and Public Housing Customers on Rate GS; | (I)  |
| b) \$0.00765 per Ccf for Commercial Customers on Rate GS;                     | (I)  |
| c) \$0.00893 per Ccf for Industrial Customers on Rate GS;                     | (I)  |
| d) \$0.00000 per Ccf for Municipal Customers on Rate MS; and                  | (NC) |
| e) \$0.00765 per Ccf for The Philadelphia Housing Authority on Rate PHA.      | (I)  |

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

**(I) – Increase; (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 = \$ 0.12484/Ccf.

**(D)**

**(D) - Decrease**



### **OTHER POST EMPLOYMENT BENEFIT (“OPEB”) SURCHARGE**

The amounts necessary to fund PGW’s Other Post Employment Benefit obligations will be recovered by an Other Post Employment Benefit Surcharge applicable to all volumes of Gas delivered.

1. Computation of the Other Post Employment Benefit Rider 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.
2. Once the surcharge is in place it will be automatically adjusted effective September 1 of each year to account for over (under) recoveries in accordance with Section 1307(f) adjustment procedures. No interest will be included in such surcharge computations. The basic component of the surcharge will be determined plus (or minus) any over (or under) recovery from the prior period by dividing the total OPEB funding amounts approved for annual recovery by the estimated applicable throughput in Mcfs.
3. The Other Post Employment Benefit Rider Surcharge shall take effect upon the effective date of this Tariff.

Current Other Post Employment Benefit Rider Surcharge = \$0.03757/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 September 1, 2017.

### 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):

\$0.48152 per Ccf for Residential and Public Housing (D)  
\$0.48152 per Ccf for Commercial Customers (D)  
\$0.48152 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 September 1, 2017.

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):

\$0.48152 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 September 1, 2017.

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):

\$0.48152 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  
September 1, 2017.

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):

\$0.48152 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. 70**

# PHILADELPHIA GAS WORKS

## GAS SUPPLIER TARIFF



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

List of Changes Made by this Tariff

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

The load balancing charge effective September 1, 2017, is \$37.9113 per design day Mcf.



**TABLE OF CONTENTS**

|   | <u>Page Number</u>     |
|---|------------------------|
| List of Changes Made By This Tariff _____ | Sixty Eighth Revised 2 |
| Checksheet _____                          | First Revised 4        |
| Description of Territory Served _____     | 5                      |
| Table of Contents _____                   | Sixty Ninth Revised 6  |
| Table of Contents (continued) _____       | 7                      |
| Definitions _____                         | Second Revised 10      |
| <b><u>RULES and REGULATIONS:</u></b>      |                        |
| 1. The Supplier Tariff _____              | 14                     |
| 2. Availability _____                     | 16                     |
| 3. Character of Service _____             | 18                     |
| 4. Supplier Qualification _____           | 20                     |
| 5. Customer List _____                    | First Revised 23       |
| 6. Supplier Selection Procedures _____    | First Revised 26       |
| 7. Supplier Obligations _____             | First Revised 29       |
| 8. Operational Requirements _____         | 33                     |
| 9. Special Provisions _____               | 37                     |
| 10. Nomination Procedure _____            | 42                     |
| 11. Financial Security _____              | 44                     |
| 12. Supplier Billing and Payment _____    | First Revised 46       |
| 13. Supplier Exit Procedures _____        | First Revised 52       |
| 14. Breach of Obligations _____           | 57                     |
| 15. Standards of Conduct _____            | 60                     |

PHILADELPHIA GAS WORKS

---

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 \$37.9113 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.

"S<sub>1</sub>" – 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.

"S<sub>2</sub>" – forecasted Mcf of load balancing volumes during the projected period when rates will be in effect.

**(D) – Decrease**

# Tab 2

**Philadelphia Gas Works**

Pennsylvania Public Utilities Commission  
52 Pa. Code § 53.61. et seq.

***Item 53.64(a)*** A Section 1307(f) gas utility may only voluntarily file a tariff reflecting an increase or decrease in natural gas costs once a year in accordance with the schedule established by the Commission, as published in the Pennsylvania Bulletin prior to the first day of September of each preceding year. If no new tariff is filed at that time, gas utilities under 66 Pa.C.S. § 1307(f) shall nevertheless file for the reconciliation of amounts collected and expended during prior periods as set forth in subsection (i). The tariff may reflect either an annual levelized rate, or a seasonal levelized rate pursuant to which a levelized 6-month “summer” rate period and a levelized 6-month “winter” rate period would apply. Upon good cause shown, the tariff may reflect other summer/winter rate periods as may be justified by operational considerations.

**Response:** Please see the attached worksheets.

**1307(f) GCR FILING**  
**PA Code 53.64(a)**

**TABLE OF CONTENTS**

|   |                         |
|---|-------------------------|
| <b>Levelized Gas Cost Rate.....</b>   | <b>Schedule 1</b>       |
| <b>Price To Compare in MCF.....</b>   | <b>Schedule 1(a)</b>    |
| <b>Sales &amp; Volumes.....</b>   | <b>Schedule 2</b>       |
| <b>Projected Applicable Fuel Expense.....</b>                                     | <b>Schedule 3</b>       |
| <b>Fiscal Year 2016-2017 Actual/Estimated Data.....</b>                           | <b>Schedule 4(a)</b>    |
| <b>Fiscal Year 2016-2017 C-Factor Reconciliation .....</b>                        | <b>Schedule 4(b)</b>    |
| <b>Fiscal Year 2016-2017 E-Factor Reconciliation.....</b>                         | <b>Schedule 4(c)</b>    |
| <b>Fiscal Year 2016-2017 IRC-Factor Revenue Billed.....</b>                       | <b>Schedule 4(d)</b>    |
| <b>Fiscal Year 2016-2017 Reconciliation of Demand Charges.....</b>                | <b>Schedule 4(e)</b>    |
| <b>Calendar Year 2016 Interest Rate Calculation.....</b>                          | <b>Schedule 5(a)</b>    |
| <b>Fiscal Year 2016-2017 Interest Calculation.....</b>                            | <b>Schedule 5(b)</b>    |
| <b>Calendar Year 2016 Interest Adjustment Calculation.....</b>                    | <b>Schedule 5(b)(1)</b> |
| <b>Fiscal Year 2016-2017 Natural Gas Refunds.....</b>                             | <b>Schedule 5(c)</b>    |
| <b>Fiscal Year 2016-2017 Demand and Commodity Interest Calculation.....</b>       | <b>Schedule 5(d)</b>    |
| <b>Load Balancing Revenue - September 2017 To August 2018.....</b>                | <b>Schedule 6</b>       |
| <b>Calculation of Recovered Charges.....</b>                                      | <b>Schedule 7</b>       |
| <b>Changes in Rates.....</b>  | <b>Schedule 8</b>       |
| <b>Universal Service &amp; Energy Conservation Surcharge (USC) .....</b>          | <b>Schedule 9(a)</b>    |
| <b>Statement of Reconciliation – USC Surcharge – Sept. 2016 To Aug. 2017.....</b> | <b>Schedule 9(b)</b>    |
| <b>Interruptible Revenue Credit – September 1, 2017.....</b>                      | <b>Schedule 10(a)</b>   |
| <b>Fiscal Year 2017-2018 - Interruptible Revenue Margin.....</b>                  | <b>Schedule 10(b)</b>   |
| <b>Finalized Reconciliation - Interruptible Revenue Credit - FY 2016.....</b>     | <b>Schedule 10(c)</b>   |
| <b>Other Post Employee Benefits Surcharge – FY2018 .....</b>                      | <b>Schedule 11(a)</b>   |
| <b>Other Post Employee Benefits Surcharge Reconciliation – FY2016.....</b>        | <b>Schedule 11(b)</b>   |
| <b>Efficiency Cost Recovery Surcharge – FY 2018 .....</b>                         | <b>Schedule 12(a)</b>   |
| <b>Efficiency Cost Recovery Surcharge Reconciliation – FY 2017 .....</b>          | <b>Schedule 12(b)</b>   |
| <b>Load Balancing Charge 2016 Reconciliation.....</b>                             | <b>Schedule 13(a)</b>   |
| <b>Load Balancing Expense and Interest Calculation FY 2016.....</b>               | <b>Schedule 13(b)</b>   |

|  |                       |
|--|-----------------------|
| <b>Load Balancing Charge – September 1, 2017.....</b>              | <b>Schedule 14</b>    |
| <b>Natural Gas Prices .....</b>                                    | <b>Schedule 15</b>    |
| <b>Reconciliation of UFG and Retainage Percentages.....</b>        | <b>Schedule 16</b>    |
| <b>Restructuring and Consumer Education Surcharge FY 2018.....</b> | <b>Schedule 17(a)</b> |
| <b>Restructuring and Consumer Education Expense FY 2017.....</b>   | <b>Schedule 17(b)</b> |
| <b>Restructuring and Consumer Education Expense FY 2018.....</b>   | <b>Schedule 17(c)</b> |

**Philadelphia Gas Works**  
**Levelized Gas Cost Rate**  
**1307F Filing - September 1, 2017**

Formula:  
GCR = SSC + GAC - IRC

where:

|                                    | <u>Demand</u> | <u>Commodity</u> | <u>Total</u>   |            |
|------------------------------------|---------------|------------------|----------------|------------|
| S = Firm Sales (Mcf)               |               |                  | 42,166,557     | Schedule 2 |
| Net Natural Gas Expense            | \$ 54,591,727 | \$ 152,530,027   | \$ 207,121,754 |            |
| Purchased Electric & Misc Expenses | \$ -          | \$ 769,086       | \$ 769,086     |            |
| C = Total Applicable GCR Expense   | \$ 54,591,727 | \$ 153,299,114   | \$ 207,890,841 | Schedule 3 |
| SSC = C / S                        | \$ 1.2947     | \$ 3.6355        | \$ 4.9302      |            |

Adjustment For:

|                         |              |                |                |                    |
|-------------------------|--------------|----------------|----------------|--------------------|
| E-Factor Volumes (Mcf)  |              |                | 42,166,557     |                    |
| Interest                | \$ (103,160) | \$ (259,181)   | \$ (362,341)   | Schedule 5(b)      |
| E-Factor Reconciliation | \$ 2,076,978 | \$ (4,132,012) | \$ (2,055,034) | Schedule 4(b),4(c) |
|                         | \$ 1,973,817 | \$ (4,391,192) | \$ (2,417,375) |                    |
| E = E-Factor            | \$ 0.0468    | \$ (0.1041)    | \$ (0.0573)    |                    |

|  |  |  |           |                |
|--|--|--|-----------|----------------|
| Interruptible Revenue Credit           |  |  | \$ 48,528 | Schedule 10(a) |
| IRC = Interruptible Revenue Credit / S |  |  | \$ 0.0012 |                |

|  |  |  |                |  |
|--|--|--|----------------|--|
| Net Applicable GCR Expenses = C + E - Interruptible Revenue Credit |  |  | \$ 205,424,938 |  |
| <u>GCR = SSC + GAC - IRC</u>                                       |  |  | \$ 4.8717      |  |

|                       |           |             |             |            |
|-----------------------|-----------|-------------|-------------|------------|
| SSC in effect 9/01/17 | \$ 1.2798 | \$ 3.5938   | \$ 4.8736   |            |
| GAC in effect 9/01/17 | \$ 0.0468 | \$ (0.1041) | \$ (0.0573) |            |
| IRC in effect 9/01/17 |           |             | \$ (0.0012) |            |
| GCR in effect 9/01/17 |           |             | \$ 4.8152   | Schedule 7 |

Recovery Test on:

|                             |    |             |            |
|-----------------------------|----|-------------|------------|
| Firm Sales (Mcf)            |    | 42,166,557  |            |
| = GCR Projected Recovery    | \$ | 203,093,851 |            |
| = Load Balancing Revenue    | \$ | 1,033,791   |            |
| = LNG Sales Demand Revenue  | \$ | 1,294,700   |            |
| = Total Projected Recovery  | \$ | 205,422,342 | Schedule 7 |
| Compared To                 |    |             |            |
| Net Applicable GCR Expenses | \$ | 205,424,938 |            |
| = Net Over/(Under) Recovery | \$ | (2,595)     |            |

Degree Days 3,855

Philadelphia Gas Works

Price To Compare (\$ / MCF)

September 1, 2017

|                                | 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                 | \$4.8152 | (\$0.0584) | \$4.8736      | 4.68% | \$0.2254      | \$0.0400   | (\$0.0573) | \$5.0817             |
| Commercial GS                  | \$4.8152 | (\$0.0584) | \$4.8736      | 0.28% | \$0.0135      | \$0.0400   | (\$0.0573) | \$4.8698             |
| Industrial GS                  | \$4.8152 | (\$0.0584) | \$4.8736      | 0.30% | \$0.0144      | \$0.0400   | (\$0.0573) | \$4.8707             |
| Phila. Housing Authority (PHA) | \$4.8152 | (\$0.0584) | \$4.8736      | 0%    | \$0.0000      | \$0.0400   | (\$0.0573) | \$4.8563             |
| Municipal (MS)                 | \$4.8152 | (\$0.0584) | \$4.8736      | 0%    | \$0.0000      | \$0.0400   | (\$0.0573) | \$4.8563             |
| NGV Firm                       | \$4.8152 | (\$0.0584) | \$4.8736      | 0%    | \$0.0000      | \$0.0400   | (\$0.0573) | \$4.8563             |
| Phila. Housing Authority (GS)  | \$4.8152 | (\$0.0584) | \$4.8736      | 0%    | \$0.0000      | \$0.0400   | (\$0.0573) | \$4.8563             |



SALES & VOLUMES

SEPTEMBER 2017 THROUGH AUGUST 2018

| MONTH          | FIRM               |                        | BILLED SALES<br>3 = (1 - 2) | INTERRUPTIBLE SALES<br>4 | LNG SALES<br>4A  | AIR CONDITIONING SALES<br>4B | GCR FIRM SALES<br>5 = (3 - 4 - 4A - 4B) | SENIOR CITIZEN DISCOUNT SALES<br>6 | APPLICABLE VOLUMES<br>7 = (5 - 6 + 2) |
|----------------|--------------------|------------------------|-----------------------------|--------------------------|------------------|------------------------------|---|------------------------------------|---------------------------------------|
|                | TOTAL VOLUMES<br>1 | TRANSPORT VOLUMES<br>2 |                             |                          |                  |                              |   |                                    |                                       |
| SEPTEMBER 2017 | 1,113,041          | 159,657                | 953,384                     | 448                      | 82,192           | 1,697                        | 869,047                                 | 3,448                              | 1,025,256                             |
| OCTOBER        | 1,508,074          | 228,827                | 1,279,247                   | 463                      | 84,932           | 119                          | 1,193,734                               | 5,009                              | 1,417,552                             |
| NOVEMBER       | 3,350,800          | 405,285                | 2,945,515                   | 448                      | 82,192           | -                            | 2,862,875                               | 14,615                             | 3,253,546                             |
| DECEMBER       | 5,841,152          | 608,102                | 5,233,050                   | 463                      | 84,932           | -                            | 5,147,656                               | 27,457                             | 5,728,301                             |
| JANUARY 2018   | 9,847,693          | 871,598                | 8,976,095                   | 463                      | 84,932           | -                            | 8,890,701                               | 48,508                             | 9,713,792                             |
| FEBRUARY       | 9,121,468          | 780,722                | 8,340,746                   | 418                      | 76,712           | -                            | 8,263,616                               | 44,518                             | 8,999,820                             |
| MARCH          | 6,893,535          | 607,200                | 6,286,335                   | 463                      | 84,932           | -                            | 6,200,941                               | 32,341                             | 6,775,800                             |
| APRIL          | 4,456,766          | 381,668                | 4,075,098                   | 448                      | 82,192           | -                            | 3,992,459                               | 20,157                             | 4,353,969                             |
| MAY            | 2,060,238          | 221,421                | 1,838,817                   | 463                      | 84,932           | 5                            | 1,753,418                               | 7,710                              | 1,967,130                             |
| JUNE           | 1,356,181          | 193,072                | 1,163,109                   | 448                      | 82,192           | 1,049                        | 1,079,421                               | 3,731                              | 1,268,762                             |
| JULY           | 1,288,134          | 186,266                | 1,101,867                   | 463                      | 84,932           | 1,652                        | 1,014,821                               | 3,406                              | 1,197,662                             |
| AUGUST         | 1,151,129          | 165,720                | 985,409                     | 463                      | 84,932           | 2,147                        | 897,868                                 | 2,971                              | 1,060,616                             |
| <b>TOTAL</b>   | <b>47,988,210</b>  | <b>4,809,539</b>       | <b>43,178,672</b>           | <b>5,447</b>             | <b>1,000,000</b> | <b>6,668</b>                 | <b>42,166,557</b>                       | <b>213,869</b>                     | <b>46,762,227</b>                     |

**Projected Applicable Fuel Expense  
SUMMARY  
SEPTEMBER 2017 - AUGUST 2018**

|   | SEPTEMBER<br>2017    | OCTOBER<br>2017      | NOVEMBER<br>2017    | DECEMBER<br>2017    | JANUARY<br>2018     | FEBRUARY<br>2018    | MARCH<br>2018       | APRIL<br>2018        | MAY<br>2018          | JUNE<br>2018         | JULY<br>2018       | AUGUST<br>2018     | TOTAL                 |
|---|----------------------|----------------------|---------------------|---------------------|---------------------|---------------------|---------------------|----------------------|----------------------|----------------------|--------------------|--------------------|-----------------------|
| <b>NATURAL GAS BILLED</b>   |                      |                      |                     |                     |                     |                     |                     |                      |                      |                      |                    |                    |                       |
| DEMAND CHARGE   | \$4,560,258          | \$4,540,920          | \$4,890,869         | \$4,941,589         | \$4,940,833         | \$4,962,762         | \$4,880,011         | \$4,437,412          | \$4,104,802          | \$4,126,567          | \$4,103,231        | \$4,102,474        | \$54,591,727          |
| COMMODITY CHARGE  | \$10,047,213         | \$10,605,724         | \$16,381,071        | \$22,264,624        | \$23,769,978        | \$22,778,535        | \$20,730,578        | \$11,088,095         | \$7,995,865          | \$5,532,460          | \$2,556,771        | \$2,543,430        | \$156,294,344         |
| <b>TOTAL NATURAL GAS BILLED</b>   | <b>\$14,607,471</b>  | <b>\$15,146,643</b>  | <b>\$21,271,941</b> | <b>\$27,206,213</b> | <b>\$28,710,810</b> | <b>\$27,741,297</b> | <b>\$25,610,588</b> | <b>\$15,525,507</b>  | <b>\$12,100,666</b>  | <b>\$9,659,028</b>   | <b>\$6,660,002</b> | <b>\$6,645,904</b> | <b>\$210,886,071</b>  |
| <b>INTERRUPTIBLE &amp; AVC CREDIT</b>   | <b>\$7,362</b>       | <b>\$2,055</b>       | <b>\$1,625</b>      | <b>\$1,724</b>      | <b>\$1,715</b>      | <b>\$1,555</b>      | <b>\$1,720</b>      | <b>\$1,381</b>       | <b>\$1,370</b>       | <b>\$4,378</b>       | <b>\$6,230</b>     | <b>\$7,667</b>     | <b>\$38,761</b>       |
| SENDOUT VOLUME IN MCF   | 2,216                | 600                  | 463                 | 478                 | 478                 | 432                 | 478                 | 463                  | 483                  | 1,546                | 2,185              | 2,696              | 12,517                |
| DKT CONVERSION FACTOR   | 1.037                | 1.037                | 1.037               | 1.037               | 1.037               | 1.037               | 1.037               | 1.037                | 1.037                | 1.037                | 1.037              | 1.037              |                       |
| PRICE \$/DKT  | \$3.2041             | \$3.3011             | \$3.3865            | \$3.4778            | \$3.4588            | \$3.4727            | \$3.4704            | \$2.8798             | \$2.7347             | \$2.7309             | \$2.7488           | \$2.7423           |                       |
| <b>GAS USED FOR UTILITY</b>   | <b>\$37,515</b>      | <b>\$45,550</b>      | <b>\$73,984</b>     | <b>\$141,271</b>    | <b>\$172,012</b>    | <b>\$184,613</b>    | <b>\$159,687</b>    | <b>\$73,438</b>      | <b>\$39,784</b>      | <b>\$25,901</b>      | <b>\$22,709</b>    | <b>\$25,325</b>    | <b>\$1,001,769</b>    |
| <b>NATURAL GAS TO STORAGE FROM STORAGE PGW FT FROM STORAGE</b>                | <b>(\$6,939,020)</b> | <b>(\$2,915,061)</b> | <b>\$0</b>          | <b>\$0</b>          | <b>\$0</b>          | <b>\$0</b>          | <b>\$0</b>          | <b>(\$2,002,747)</b> | <b>(\$3,655,459)</b> | <b>(\$2,766,971)</b> | <b>\$284,185</b>   | <b>\$284,255</b>   | <b>(\$17,710,817)</b> |
| <b>NET NATURAL GAS STORAGE</b>  | <b>(\$6,939,020)</b> | <b>(\$2,915,061)</b> | <b>\$382,418</b>    | <b>\$2,963,380</b>  | <b>\$7,958,809</b>  | <b>\$5,105,251</b>  | <b>\$1,182,179</b>  | <b>\$292,216</b>     | <b>\$0</b>           | <b>\$0</b>           | <b>\$0</b>         | <b>\$0</b>         | <b>\$17,884,253</b>   |
| <b>LNG TO STORAGE FROM LNG PGW FT FROM LNG</b>                                | <b>(\$32,787)</b>    | <b>(\$715,833)</b>   | <b>\$469,679</b>    | <b>\$508,011</b>    | <b>\$935,323</b>    | <b>\$839,818</b>    | <b>\$522,943</b>    | <b>\$615,130</b>     | <b>\$531,966</b>     | <b>\$514,438</b>     | <b>\$531,576</b>   | <b>\$531,576</b>   | <b>\$6,856,852</b>    |
| <b>NET LNG STORAGE</b>  | <b>\$426,548</b>     | <b>(\$238,776)</b>   | <b>(\$862,922)</b>  | <b>(\$620,207)</b>  | <b>\$451,883</b>    | <b>\$495,091</b>    | <b>(\$723,884)</b>  | <b>(\$430,923)</b>   | <b>\$237,727</b>     | <b>\$500,489</b>     | <b>\$531,576</b>   | <b>\$531,576</b>   | <b>\$298,178</b>      |
| <b>LNG SALES FROM LNG TANK SENDOUT VOLUMES (MCF) @ AVG LNG COMMODITY RATE</b> | <b>\$241,668</b>     | <b>\$249,962</b>     | <b>\$246,830</b>    | <b>\$263,987</b>    | <b>\$271,161</b>    | <b>\$247,858</b>    | <b>\$276,681</b>    | <b>\$274,249</b>     | <b>\$283,230</b>     | <b>\$273,838</b>     | <b>\$282,958</b>   | <b>\$282,958</b>   | <b>\$3,195,360</b>    |
| <b>NET NATURAL GAS EXPENSE</b>  | <b>\$7,808,454</b>   | <b>\$11,695,239</b>  | <b>\$20,468,998</b> | <b>\$29,142,424</b> | <b>\$36,676,615</b> | <b>\$32,907,614</b> | <b>\$25,630,794</b> | <b>\$13,034,984</b>  | <b>\$8,358,550</b>   | <b>\$7,088,430</b>   | <b>\$7,163,866</b> | <b>\$7,145,786</b> | <b>\$207,121,754</b>  |
| <b>APPLICABLE GCR EXPENSE</b>   | <b>\$7,808,454</b>   | <b>\$11,695,239</b>  | <b>\$20,468,998</b> | <b>\$29,142,424</b> | <b>\$36,676,615</b> | <b>\$32,907,614</b> | <b>\$25,630,794</b> | <b>\$13,034,984</b>  | <b>\$8,358,550</b>   | <b>\$7,088,430</b>   | <b>\$7,163,866</b> | <b>\$7,145,786</b> | <b>\$207,121,754</b>  |
| <b>PURCHASED ELECTRIC &amp; MISC PLANALYTICS</b>                              | <b>\$23,643</b>      | <b>\$50,948</b>      | <b>\$51,671</b>     | <b>\$67,861</b>     | <b>\$82,929</b>     | <b>\$87,831</b>     | <b>\$79,989</b>     | <b>\$52,736</b>      | <b>\$42,103</b>      | <b>\$21,429</b>      | <b>\$46,224</b>    | <b>\$36,721</b>    | <b>\$644,086</b>      |
| <b>TOTAL APPLICABLE EXPENSES</b>  | <b>\$7,832,097</b>   | <b>\$11,746,187</b>  | <b>\$20,520,669</b> | <b>\$29,210,285</b> | <b>\$36,884,544</b> | <b>\$32,995,445</b> | <b>\$25,710,784</b> | <b>\$13,087,721</b>  | <b>\$8,400,653</b>   | <b>\$7,109,859</b>   | <b>\$7,210,091</b> | <b>\$7,182,507</b> | <b>\$207,890,841</b>  |
| <b>TOTAL GCR FIRM SALES</b>   | <b>869,047</b>       | <b>1,193,734</b>     | <b>2,862,875</b>    | <b>5,147,656</b>    | <b>8,890,701</b>    | <b>8,263,616</b>    | <b>6,200,941</b>    | <b>3,992,459</b>     | <b>1,753,418</b>     | <b>1,079,421</b>     | <b>1,014,821</b>   | <b>897,868</b>     | <b>42,166,557</b>     |

ACTUAL / ESTIMATED DATA - FISCAL YEAR 2017  
PHILADELPHIA GAS WORKS

| Rate                | 9/1/2016    |             | 10/1/2016   |             | 11/1/2016   |             | 12/1/2016   |             | 1/1/2017    |             | 3/1/2017    |             | 4/1/2017    |             |
|---------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                     | Actual      | E-Factor    | Actual      | E-Factor    | Actual      | E-Factor    | Actual      | E-Factor    | Actual      | E-Factor    | Actual      | E-Factor    | Actual      | E-Factor    |
| SSC in Effect       | \$ 3,755    | \$ 4,017    | \$ 4,266    | \$ 4,237    | \$ 4,207    | \$ 4,604    | \$ 5,006    | \$ 5,006    | \$ 4,207    | \$ 4,604    | \$ 5,006    | \$ 5,006    | \$ 4,943    | \$ 4,943    |
| GAC in Effect       | \$ (0.5353) | \$ (0.2986) | \$ (0.0619) | \$ (0.0547) | \$ (0.0474) | \$ (0.0542) | \$ (0.0609) | \$ (0.0609) | \$ (0.0474) | \$ (0.0542) | \$ (0.0609) | \$ (0.0609) | \$ (0.0017) | \$ (0.0017) |
| IRC in Effect       | \$ (0.0019) | \$ (0.0018) | \$ (0.0017) | \$ (0.0019) | \$ (0.0020) | \$ (0.0019) | \$ (0.0017) | \$ (0.0017) | \$ (0.0020) | \$ (0.0019) | \$ (0.0017) | \$ (0.0017) | \$ (0.0017) | \$ (0.0017) |
| Total Effective     | \$ 3,219    | \$ 3,710    | \$ 4,206    | \$ 4,182    | \$ 4,157    | \$ 4,554    | \$ 4,943    | \$ 4,943    | \$ 4,157    | \$ 4,554    | \$ 4,943    | \$ 4,943    | \$ 4,943    | \$ 4,943    |
| Percentage of Total | 116.7%      | 108.1%      | 101.5%      | 101.4%      | 101.2%      | 101.2%      | 101.3%      | 101.3%      | 101.2%      | 101.2%      | 101.3%      | 101.3%      | 101.3%      | 101.3%      |
| C-Factor            | -16.6%      | -8.0%       | -1.5%       | -1.3%       | -1.1%       | -1.2%       | -1.2%       | -1.2%       | -1.1%       | -1.2%       | -1.2%       | -1.2%       | -1.2%       | -1.2%       |
| E-Factor            | -0.1%       | 0.0%        | 0.0%        | 0.0%        | 0.0%        | 0.0%        | 0.0%        | 0.0%        | 0.0%        | 0.0%        | 0.0%        | 0.0%        | 0.0%        | 0.0%        |
| IRC-Factor          | 100%        | 100%        | 100%        | 100%        | 100%        | 100%        | 100%        | 100%        | 100%        | 100%        | 100%        | 100%        | 100%        | 100%        |
| Total               | 100%        | 100%        | 100%        | 100%        | 100%        | 100%        | 100%        | 100%        | 100%        | 100%        | 100%        | 100%        | 100%        | 100%        |

| C-Factor                | E-Factor     |              | Interest     |              | FY 2016  |          |
|-------------------------|--------------|--------------|--------------|--------------|----------|----------|
|                         | Over/(Under) | Over/(Under) | Over/(Under) | Over/(Under) | Final    | E-Factor |
| Demand Charge in Effect | \$ 1,132     | \$ 1,174     | \$ 1,217     | \$ 1,285     | \$ 1,359 | \$ 1,278 |
| Commodity in Effect     | \$ 2,627     | \$ 2,835     | \$ 3,048     | \$ 2,942     | \$ 2,847 | \$ 3,328 |
| Total                   | \$ 3,759     | \$ 4,009     | \$ 4,265     | \$ 4,227     | \$ 4,206 | \$ 4,606 |
| Percentage of Total     | 30.2%        | 28.3%        | 28.5%        | 30.4%        | 32.3%    | 27.7%    |
| Demand Charge in Effect | 69.8%        | 70.7%        | 71.5%        | 69.6%        | 67.7%    | 72.3%    |
| Commodity in Effect     | 100%         | 100%         | 100%         | 100%         | 100%     | 100%     |

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

| Actual                         | Sep-2016     |              | Oct-2016      |               | Nov-2016      |               | Dec-2016      |               | Jan-2017     |              | Feb-2017     |              | Mar-2017       |                | Apr-2017       |                | May-2017       |                | Jun-2017       |                | Jul-2017       |                | Aug-2017       |                | FY-2017        |                |              |
|--------------------------------|--------------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|--------------|--------------|--------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------|
|                                | Actual       | E-Factor     | Actual        | E-Factor      | Actual        | E-Factor      | Actual        | E-Factor      | Actual       | E-Factor     | Actual       | E-Factor     | Actual         | E-Factor       | Actual         | E-Factor       | Actual         | E-Factor       | Actual         | E-Factor       | Actual         | E-Factor       | Actual         | E-Factor       | Totals         | Totals         |              |
| GCR Firm Sales                 | 925,157      | 1,202,685    | 1,202,685     | 1,202,685     | 2,580,829     | 2,580,829     | 5,472,734     | 5,472,734     | 8,057,104    | 7,897,206    | 6,239,499    | 4,018,547    | 1,765,180      | 1,086,743      | 1,021,625      | 903,767        | 41,171,077     | 1,476          |                |                |                |                |                |                |                |                |              |
| Migration Rider Sales          | 1,476        |              |               |               |               |               |               |               |              |              |              |              |                |                |                |                |                |                |                |                |                |                |                |                |                |                |              |
| GCR Revenue Billed             | \$ 3,457,095 | \$ 5,070,159 | \$ 10,825,976 | \$ 23,143,420 | \$ 33,499,020 | \$ 32,834,215 | \$ 28,391,905 | \$ 19,863,676 | \$ 8,725,287 | \$ 5,371,773 | \$ 5,049,893 | \$ 4,467,319 | \$ 4,635,152   | \$ 180,699,738 | \$ 180,699,738 | \$ 180,699,738 | \$ 180,699,738 | \$ 180,699,738 | \$ 180,699,738 | \$ 180,699,738 | \$ 180,699,738 | \$ 180,699,738 | \$ 180,699,738 | \$ 180,699,738 | \$ 180,699,738 | \$ 180,699,738 |              |
| Migration Rider Revenue Billed | \$ (614)     | \$ 38        | \$ 342        | \$ 98         | \$ 98         | \$ 98         | \$ 98         | \$ 98         | \$ 98        | \$ 98        | \$ 98        | \$ 98        | \$ 98          | \$ 98          | \$ 98          | \$ 98          | \$ 98          | \$ 98          | \$ 98          | \$ 98          | \$ 98          | \$ 98          | \$ 98          | \$ 98          | \$ 98          | \$ 98          |              |
| Load Balancing Billed          | \$ 91,362    | \$ 91,800    | \$ 83,326     | \$ 75,857     | \$ 81,487     | \$ 81,988     | \$ 81,379     | \$ 81,870     | \$ 82,360    | \$ 82,851    | \$ 83,341    | \$ 83,832    | \$ 84,323      | \$ 84,814      | \$ 85,305      | \$ 85,796      | \$ 86,287      | \$ 86,778      | \$ 87,269      | \$ 87,760      | \$ 88,251      | \$ 88,742      | \$ 89,233      | \$ 89,724      | \$ 90,215      | \$ 90,706      |              |
| LNG Sales Demand Charge Credit | \$ -         | \$ -         | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -         | \$ -         | \$ -         | \$ -         | \$ -           | \$ -           | \$ -           | \$ -           | \$ -           | \$ -           | \$ -           | \$ -           | \$ -           | \$ -           | \$ -           | \$ -           | \$ -           | \$ -           |              |
| Total Revenue Billed           | \$ 3,547,844 | \$ 5,161,997 | \$ 10,909,644 | \$ 23,226,868 | \$ 33,675,903 | \$ 33,002,367 | \$ 28,557,229 | \$ 20,026,784 | \$ 8,891,592 | \$ 5,535,861 | \$ 5,217,179 | \$ 4,635,152 | \$ 182,388,418 | \$ 182,388,418 | \$ 182,388,418 | \$ 182,388,418 | \$ 182,388,418 | \$ 182,388,418 | \$ 182,388,418 | \$ 182,388,418 | \$ 182,388,418 | \$ 182,388,418 | \$ 182,388,418 | \$ 182,388,418 | \$ 182,388,418 | \$ 182,388,418 |              |
| Natural Gas Refunds            | \$ -         | \$ -         | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -         | \$ -         | \$ -         | \$ -         | \$ -           | \$ -           | \$ -           | \$ -           | \$ -           | \$ -           | \$ -           | \$ -           | \$ -           | \$ -           | \$ -           | \$ -           | \$ -           | \$ -           |              |
| Demand Charges                 | \$ 4,732,272 | \$ 4,727,256 | \$ 5,124,677  | \$ 5,149,234  | \$ 4,947,249  | \$ 4,973,732  | \$ 4,890,818  | \$ 4,446,263  | \$ 4,422,664 | \$ 4,444,285 | \$ 4,420,657 | \$ 4,419,552 | \$ 4,419,552   | \$ 4,419,552   | \$ 4,419,552   | \$ 4,419,552   | \$ 4,419,552   | \$ 4,419,552   | \$ 4,419,552   | \$ 4,419,552   | \$ 4,419,552   | \$ 4,419,552   | \$ 4,419,552   | \$ 4,419,552   | \$ 4,419,552   | \$ 4,419,552   | \$ 4,419,552 |
| Supply Charges                 | \$ 1,571,764 | \$ 3,028,219 | \$ 8,903,748  | \$ 21,907,741 | \$ 24,188,660 | \$ 24,808,297 | \$ 18,745,482 | \$ 9,460,348  | \$ 4,408,400 | \$ 2,958,879 | \$ 3,100,841 | \$ 3,077,520 | \$ 3,077,520   | \$ 3,077,520   | \$ 3,077,520   | \$ 3,077,520   | \$ 3,077,520   | \$ 3,077,520   | \$ 3,077,520   | \$ 3,077,520   | \$ 3,077,520   | \$ 3,077,520   | \$ 3,077,520   | \$ 3,077,520   | \$ 3,077,520   | \$ 3,077,520   | \$ 3,077,520 |
| Net Cost of Fuel               | \$ 6,304,036 | \$ 7,755,475 | \$ 14,028,425 | \$ 27,056,975 | \$ 29,135,909 | \$ 29,782,029 | \$ 23,636,300 | \$ 13,906,611 | \$ 8,831,064 | \$ 7,401,165 | \$ 7,521,498 | \$ 7,497,072 | \$ 7,497,072   | \$ 7,497,072   | \$ 7,497,072   | \$ 7,497,072   | \$ 7,497,072   | \$ 7,497,072   | \$ 7,497,072   | \$ 7,497,072   | \$ 7,497,072   | \$ 7,497,072   | \$ 7,497,072   | \$ 7,497,072   | \$ 7,497,072   | \$ 7,497,072   | \$ 7,497,072 |

\* Load Balancing Billed Revised

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

Item 53.64(a)  
Schedule 4(b)

| MONTH          | NET COST<br>OF FUEL<br>1 | TOTAL<br>GCR<br>REVENUE<br>BILLED<br>2 | C FACTOR<br>% of GCR<br>3 | C FACTOR<br>REVENUE<br>BILLED<br>4 = (2 * 3) | LOAD BALANCING<br>REVENUE<br>5 | LNG SALES GCR<br>BILLED REVENUE<br>6 | TOTAL<br>C FACTOR<br>REVENUE<br>BILLED<br>7 = (4 + 5 + 6) | NATURAL GAS<br>REFUNDS<br>8 | OVER/<br>(UNDER)<br>RECOVERY<br>9 = (7 + 8 - 1) | CUMULATIVE<br>OVER/(UNDER)<br>10 |
|----------------|--------------------------|--|---------------------------|--|--------------------------------|--------------------------------------|---|-----------------------------|---|----------------------------------|
|                | (\$)                     | (\$)                                   |                           | (\$)   | (\$)                           | (\$)                                 | (\$)  | (\$)                        | (\$)  | (\$)                             |
| SEPTEMBER 2016 | 6,304,036                | 3,457,095                              | 108.1%                    | 3,736,999                                    | 91,362                         | 0                                    | 3,828,361   | 0                           | (2,475,675)                                     | (2,475,675)                      |
| OCTOBER        | 7,755,475                | 5,070,159                              | 101.5%                    | 5,146,888                                    | 91,800                         | 0                                    | 5,238,688   | 0                           | (2,516,787)                                     | (4,992,463)                      |
| NOVEMBER       | 14,028,425               | 10,825,976                             | 101.5%                    | 10,989,811                                   | 83,326                         | 0                                    | 11,073,137  | 1,431                       | (2,953,857)                                     | (7,946,319)                      |
| DECEMBER       | 27,056,975               | 23,143,420                             | 101.4%                    | 23,456,233                                   | 75,857                         | 7,493                                | 23,539,582  | 0                           | (3,517,393)                                     | (11,463,712)                     |
| JANUARY 2017   | 29,135,909               | 33,499,020                             | 101.2%                    | 33,897,041                                   | 81,487                         | 95,396                               | 34,073,924  | 0                           | 4,938,015                                       | (6,525,697)                      |
| FEBRUARY       | 29,782,029               | 32,834,215                             | 101.2%                    | 33,224,337                                   | 81,988                         | 86,164                               | 33,392,489  | 0                           | 3,610,460                                       | (2,915,237)                      |
| MARCH          | 23,636,300               | 28,391,905                             | 101.2%                    | 28,741,317                                   | 81,379                         | 83,945                               | 28,906,641  | 0                           | 5,270,340                                       | 2,355,104                        |
| APRIL          | 13,906,611               | 19,863,676                             | 101.3%                    | 20,115,237                                   | 81,870                         | 81,237                               | 20,278,345  | 0                           | 6,371,733                                       | 8,726,837                        |
| MAY            | 8,831,064                | 8,725,287                              | 101.3%                    | 8,835,787                                    | 82,360                         | 83,945                               | 9,002,092   | 0                           | 171,028   | 8,897,865                        |
| JUNE           | 7,401,165                | 5,371,773                              | 101.3%                    | 5,439,803                                    | 82,851                         | 81,237                               | 5,603,891   | 0                           | (1,797,274)                                     | 7,100,591                        |
| JULY           | 7,521,498                | 5,049,893                              | 101.3%                    | 5,113,847                                    | 83,341                         | 83,945                               | 5,281,133   | 0                           | (2,240,365)                                     | 4,860,226                        |
| AUGUST         | 7,497,072                | 4,467,319                              | 101.3%                    | 4,523,894                                    | 83,888                         | 83,945                               | 4,691,727   | 0                           | (2,805,344)                                     | 2,054,881                        |
| Totals         | 182,856,559              | 180,699,738                            |                           | 183,221,193                                  | 1,001,509                      | 687,306                              | 184,910,009   | 1,431                       | 2,054,881                                       |                                  |

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

| MONTH               | MIGRATION RIDER SALES |       | TOTAL E-FACTOR VOLUMES |             | TOTAL GCR REVENUE BILLED |             | E-FACTOR % of GCR |             | E-FACTOR REVENUE BILLED |      | MIGRATION RIDER REVENUES |      | TOTAL E-FACTOR REVENUE |      | OVER/(UNDER) PROJECTED RECOVERY |      |
|---------------------|-----------------------|-------|------------------------|-------------|--------------------------|-------------|-------------------|-------------|-------------------------|------|--------------------------|------|------------------------|------|---------------------------------|------|
|                     | 1                     | 2     | 3=(1+2)                | 4           | 5                        | 6=(4*5)     | 7                 | 8=(6+7)     | 9                       |      |                          |      |                        |      |                                 |      |
|                     | (MCF)                 | (MCF) | (MCF)                  | (\$)        |                          | (\$)        | (\$)              | (\$)        | (\$)                    | (\$) | (\$)                     | (\$) | (\$)                   | (\$) | (\$)                            | (\$) |
| PRIOR YEAR E-FACTOR |                       |       |                        |             |                          |             |                   |             |                         |      |                          |      |                        |      |                                 |      |
| SEPTEMBER 2016      |                       |       |                        |             |                          |             |                   |             |                         |      |                          |      |                        |      |                                 |      |
| OCTOBER             | 925,157               | 1,476 | 926,633                | 3,457,095   | -8.0%                    | (278,226)   | (614)             | (278,840)   | 2,166,149               |      |                          |      |                        |      |                                 |      |
| NOVEMBER            | 1,202,685             | -     | 1,202,685              | 5,070,159   | -1.5%                    | (74,678)    | 38                | (74,640)    | 2,091,509               |      |                          |      |                        |      |                                 |      |
| DECEMBER            | 2,580,829             | -     | 2,580,829              | 10,825,976  | -1.5%                    | (159,456)   | 342               | (159,113)   | 1,932,396               |      |                          |      |                        |      |                                 |      |
| JANUARY 2017        | 5,472,734             | -     | 5,472,734              | 23,143,420  | -1.3%                    | (302,570)   | 98                | (302,472)   | 1,629,924               |      |                          |      |                        |      |                                 |      |
| FEBRUARY            | 8,057,104             | -     | 8,057,104              | 33,499,020  | -1.1%                    | (381,907)   | -                 | (381,907)   | 1,248,017               |      |                          |      |                        |      |                                 |      |
| MARCH               | 7,897,206             | -     | 7,897,206              | 32,834,215  | -1.1%                    | (374,328)   | -                 | (374,328)   | 873,689                 |      |                          |      |                        |      |                                 |      |
| APRIL               | 6,239,499             | -     | 6,239,499              | 28,391,905  | -1.2%                    | (337,869)   | -                 | (337,869)   | 535,821                 |      |                          |      |                        |      |                                 |      |
| MAY                 | 4,018,547             | -     | 4,018,547              | 19,863,676  | -1.2%                    | (244,729)   | -                 | (244,729)   | 291,091                 |      |                          |      |                        |      |                                 |      |
| JUNE                | 1,765,180             | -     | 1,765,180              | 8,725,287   | -1.2%                    | (107,499)   | -                 | (107,499)   | 183,592                 |      |                          |      |                        |      |                                 |      |
| JULY                | 1,086,743             | -     | 1,086,743              | 5,371,773   | -1.2%                    | (66,183)    | -                 | (66,183)    | 117,409                 |      |                          |      |                        |      |                                 |      |
| AUGUST              | 1,021,625             | -     | 1,021,625              | 5,049,893   | -1.2%                    | (62,217)    | -                 | (62,217)    | 55,192                  |      |                          |      |                        |      |                                 |      |
| TOTAL               | 903,767               | -     | 903,767                | 4,467,319   | -1.2%                    | (55,039)    | -                 | (55,039)    | 153                     |      |                          |      |                        |      |                                 |      |
|                     | 41,171,077            | 1,476 | 41,172,552             | 180,699,738 |                          | (2,444,701) | (135)             | (2,444,836) | 2,444,989               |      |                          |      |                        |      |                                 |      |

**FISCAL YEAR 2017  
PHILADELPHIA GAS WORKS  
IRC FACTOR REVENUE BILLED**

| <b>MONTH</b>          | <b>TOTAL<br/>GCR<br/>REVENUE<br/>BILLED<br/>1</b> | <b>IRC- FACTOR<br/>% of GCR<br/>2</b> | <b>IRC-FACTOR<br/>REVENUE<br/>BILLED<br/>3 = ( 1 * 2 )</b> |
|-----------------------|---|---------------------------------------|--|
|                       | <b>\$</b>   |                                       | <b>\$</b>  |
| <b>SEPTEMBER 2016</b> | 3,457,095   | -0.05%                                | (1,677)  |
| <b>OCTOBER</b>        | 5,070,159   | -0.04%                                | (2,051)  |
| <b>NOVEMBER</b>       | 10,825,976  | -0.04%                                | (4,379)  |
| <b>DECEMBER</b>       | 23,143,420  | -0.04%                                | (10,243)   |
| <b>JANUARY 2017</b>   | 33,499,020  | -0.05%                                | (16,114)   |
| <b>FEBRUARY</b>       | 32,834,215  | -0.05%                                | (15,794)   |
| <b>MARCH</b>          | 28,391,905  | -0.04%                                | (11,543)   |
| <b>APRIL</b>          | 19,863,676  | -0.03%                                | (6,832)  |
| <b>MAY</b>            | 8,725,287   | -0.03%                                | (3,001)  |
| <b>JUNE</b>           | 5,371,773   | -0.03%                                | (1,847)  |
| <b>JULY</b>           | 5,049,893   | -0.03%                                | (1,737)  |
| <b>AUGUST</b>         | <u>4,467,319</u>                                  | -0.03%                                | <u>(1,536)</u>   |
| <b>TOTALS</b>         | 180,699,738                                       |                                       | (76,754)   |

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

| MONTH          | DEMAND CHARGES                                |                                  | MONTHLY<br>DEMAND<br>OVER/(UNDER)<br>3 = (2 - 1) | CUMULATIVE<br>DEMAND<br>OVER/(UNDER)<br>4 |
|----------------|---|----------------------------------|--|---|
|                | LESS<br>LOAD BALANCING CHARGE<br>REVENUE<br>1 | DEMAND<br>REVENUE<br>BILLED<br>2 |  |   |
|                | \$  | \$                               | \$   | \$  |
| SEPTEMBER 2016 | 4,640,910                                     | 1,086,921                        | (3,553,989)                                      | (3,553,989)                               |
| OCTOBER        | 4,635,456                                     | 1,464,028                        | (3,171,428)                                      | (6,725,417)                               |
| NOVEMBER       | 5,041,351                                     | 3,141,643                        | (1,899,708)                                      | (8,625,125)                               |
| DECEMBER       | 5,065,884                                     | 7,051,344                        | 1,985,460  | (6,639,665)                               |
| JANUARY 2017   | 4,770,366                                     | 10,954,438                       | 6,184,072  | (455,593)                                 |
| FEBRUARY       | 4,805,580                                     | 10,737,042                       | 5,931,462  | 5,475,869                                 |
| MARCH          | 4,725,494                                     | 7,974,080                        | 3,248,586  | 8,724,455                                 |
| APRIL          | 4,283,156                                     | 4,807,789                        | 524,633  | 9,249,088                                 |
| MAY            | 4,256,359                                     | 2,111,862                        | (2,144,497)                                      | 7,104,591                                 |
| JUNE           | 4,280,197                                     | 1,300,180                        | (2,980,017)                                      | 4,124,574                                 |
| JULY           | 4,253,372                                     | 1,222,272                        | (3,031,099)                                      | 1,093,474                                 |
| AUGUST         | <u>4,251,718</u>                              | <u>1,081,266</u>                 | <u>(3,170,452)</u>                               | (2,076,978)                               |
| <b>TOTALS</b>  | <b>55,009,844</b>                             | <b>52,932,866</b>                | <b>(2,076,978)</b>                               |   |

**CALENDAR YEAR 2016  
PHILADELPHIA GAS WORKS  
INTEREST RATE CALCULATION**

| MONTH        | NET COST<br>OF FUEL<br>1<br>(\$) | C FACTOR                                   |  |                       | INTEREST<br>RATE<br>4<br>(\$) |
|--------------|----------------------------------|--|--|-----------------------|-------------------------------|
|              |                                  | % of GCR<br>REVENUE<br>BILLED<br>2<br>(\$) | OVER/<br>(UNDER)<br>RECOVERY<br>3 = ( 2 - 1)<br>(\$) | INTEREST<br>RATE<br>4 |                               |
| JANUARY 2016 | 26,541,391                       | 25,579,847                                 | (961,544)  |                       |                               |
| FEBRUARY     | 21,760,564                       | 29,800,729                                 | 8,040,165  |                       |                               |
| MARCH        | 13,895,507                       | 21,997,447                                 | 8,101,940  |                       |                               |
| APRIL        | 9,593,675                        | 14,088,452                                 | 4,494,777  |                       |                               |
| MAY          | 9,541,183                        | 8,920,785                                  | (620,398)  |                       |                               |
| JUNE         | 5,887,695                        | 5,306,190                                  | (581,505)  |                       |                               |
| JULY         | 6,215,584                        | 3,677,884                                  | (2,537,700)  |                       |                               |
| AUGUST       | 6,675,834                        | 3,216,623                                  | (3,459,211)  |                       |                               |
| SEPTEMBER    | 6,304,036                        | 3,828,361                                  | (2,475,675)  |                       |                               |
| OCTOBER      | 7,755,475                        | 5,238,688                                  | (2,516,787)  |                       |                               |
| NOVEMBER     | 14,028,425                       | 11,073,137                                 | (2,955,288)  |                       |                               |
| DECEMBER     | 27,056,975                       | 23,539,582                                 | (3,517,393)  |                       |                               |
| <b>Total</b> | <b>155,256,344</b>               | <b>156,267,725</b>                         | <b>1,011,381</b>                                     | <b>8%</b>             |                               |



**FISCAL YEAR 2017  
PHILADELPHIA GAS WORKS  
INTEREST CALCULATION**

| MONTH               | NET COST<br>OF FUEL (1) | TOTAL<br>C FACTOR<br>REVENUE<br>BILLED (1) | OVER/<br>(UNDER)<br>RECOVERY | INTEREST<br>RATE | TIME<br>FACTOR | INTEREST<br>EXPENSE | INTEREST<br>NATURAL GAS<br>REFUNDS (2) | TOTAL<br>INTEREST |
|---------------------|-------------------------|--|------------------------------|------------------|----------------|---------------------|--|-------------------|
|                     |                         |  |                              |                  |                |                     |  |                   |
|                     | (\$)                    | (\$)                                       | (\$)                         | (\$)             | (\$)           | (\$)                | (\$)                                   | (\$)              |
| SEPTEMBER 16        | 6,304,036               | 3,828,361                                  | (2,475,675)                  | 3.50%            | 18/12          | (129,973)           | -                                      | (129,973)         |
| OCTOBER             | 7,755,475               | 5,238,688                                  | (2,516,787)                  | 3.50%            | 17/12          | (124,791)           | -                                      | (124,791)         |
| NOVEMBER            | 14,028,425              | 11,073,137                                 | (2,955,288)                  | 3.50%            | 16/12          | (137,913)           | 142                                    | (137,771)         |
| DECEMBER            | 27,056,975              | 23,539,582                                 | (3,517,393)                  | 3.75%            | 15/12          | (164,878)           | -                                      | (164,878)         |
| JANUARY 17          | 29,135,909              | 34,073,924                                 | 4,938,015                    | 3.75%            | 14/12          | 216,038             | -                                      | 216,038           |
| FEBRUARY            | 29,782,029              | 33,392,489                                 | 3,610,460                    | 3.75%            | 13/12          | 146,675             | -                                      | 146,675           |
| MARCH               | 23,636,300              | 28,906,641                                 | 5,270,340                    | 3.75%            | 12/12          | 197,638             | -                                      | 197,638           |
| APRIL               | 13,906,611              | 20,278,345                                 | 6,371,733                    | 3.75%            | 11/12          | 219,028             | -                                      | 219,028           |
| MAY                 | 8,831,064               | 9,002,092                                  | 171,028                      | 3.75%            | 10/12          | 5,345               | -                                      | 5,345             |
| JUNE                | 7,401,165               | 5,603,891                                  | (1,797,274)                  | 3.75%            | 9/12           | (50,548)            | -                                      | (50,548)          |
| JULY                | 7,521,498               | 5,281,133                                  | (2,240,365)                  | 3.75%            | 8/12           | (56,009)            | -                                      | (56,009)          |
| AUGUST              | 7,497,072               | 4,691,727                                  | (2,805,344)                  | 3.75%            | 7/12           | (61,367)            | -                                      | (61,367)          |
| Total               | 182,856,559             | 184,910,009                                | 2,053,450                    |                  |                | 59,245              | 142                                    | 59,387            |
| INTEREST FROM 5(b1) |                         |  |                              |                  |                |                     |  | 302,955           |
| TOTAL INTEREST      |                         |  |                              |                  |                |                     |  | <u>362,341</u>    |

(1) See Schedule 4(b)

(2) See Schedule 5(c)

**CALENDAR YEAR 2016  
PHILADELPHIA GAS WORKS  
INTEREST ADJUSTMENT CALCULATION**

| <u>MONTH</u> | NET COST    | C FACTOR    | OVER/       | INTEREST | TIME   | INTEREST    | INTEREST    | INTEREST  | TOTAL    |
|--------------|-------------|-------------|-------------|----------|--------|-------------|-------------|-----------|----------|
|              | OF FUEL (1) | % of GCR    | (UNDER)     | RATE     | FACTOR | EXPENSE     | NATURAL GAS | INTEREST  | INTEREST |
|              | 1           | 2           | 3 = (2 - 1) | 4        | 5      | 6 = (3*4*5) | 7           | 8 = (6+7) |          |
|              | (\$)        |             | (\$)        | (\$)     |        | (\$)        | (\$)        | (\$)      |          |
| JANUARY 2016 | 26,541,391  | 25,579,847  | (961,544)   | 2%       | 14/12  | (22,436)    | -           | (22,436)  |          |
| FEBRUARY     | 21,760,564  | 29,800,729  | 8,040,165   | 2%       | 13/12  | 174,204     | -           | 174,204   |          |
| MARCH        | 13,895,507  | 21,997,447  | 8,101,940   | 2%       | 12/12  | 162,039     | -           | 162,039   |          |
| APRIL        | 9,593,675   | 14,088,452  | 4,494,777   | 2%       | 11/12  | 82,404      | -           | 82,404    |          |
| MAY          | 9,541,183   | 8,920,785   | (620,398)   | 2%       | 10/12  | (10,340)    | -           | (10,340)  |          |
| JUNE         | 5,887,695   | 5,306,190   | (581,505)   | 2%       | 9/12   | (8,723)     | -           | (8,723)   |          |
| JULY         | 6,215,584   | 3,677,884   | (2,537,700) | 2%       | 8/12   | (33,836)    | -           | (33,836)  |          |
| AUGUST       | 6,675,834   | 3,216,623   | (3,459,211) | 2%       | 7/12   | (40,357)    | -           | (40,357)  |          |
|              | 100,111,433 | 112,587,957 | 12,476,524  |          |        | 302,955     | 0           | 302,955   |          |

(1) See Schedule 5(a)

**FISCAL YEAR 2017  
PHILADELPHIA GAS WORKS  
INTEREST ON NATURAL GAS REFUNDS**

| <u>MONTH</u> | NATURAL GAS<br>REFUNDS <sup>(1)</sup> | INTEREST<br>RATE | TIME<br>FACTOR | INTEREST ON<br>REFUNDS |
|--------------|---------------------------------------|------------------|----------------|------------------------|
|              | 1                                     | 2                | 3              | 4=(1*2*3)              |
|              | (\$)                                  |                  |                | (\$)                   |
| SEPTEMBER 16 | 0                                     | 3.50%            | 18/12          | 0                      |
| OCTOBER      | 0                                     | 3.50%            | 17/12          | 0                      |
| NOVEMBER     | 1,431                                 | 3.50%            | 34/12          | 142                    |
| DECEMBER     | 0                                     | 3.75%            | 15/12          | 0                      |
| JANUARY 17   | 0                                     | 3.75%            | 14/12          | 0                      |
| FEBRUARY     | 0                                     | 3.75%            | 13/12          | 0                      |
| MARCH        | 0                                     | 3.75%            | 12/12          | 0                      |
| APRIL        | 0                                     | 3.75%            | 11/12          | 0                      |
| MAY          | 0                                     | 3.75%            | 10/12          | 0                      |
| JUNE         | 0                                     | 3.75%            | 9/12           | 0                      |
| JULY         | 0                                     | 3.75%            | 8/12           | 0                      |
| AUGUST       | 0                                     | 3.75%            | 7/12           | 0                      |
| <b>TOTAL</b> | <b>1,431</b>                          |                  |                | <b>142</b>             |

(1) See Schedule 5(b)

**FISCAL YEAR 2017  
PHILADELPHIA GAS WORKS  
DEMAND AND COMMODITY INTEREST CALCULATION**

| MONTH                | OVER/(UNDER)<br>RECOVERY (1) | DEMAND CHARGE<br>OVER/(UNDER)<br>RECOVERY (2) | COMMODITY CHARGE<br>OVER/(UNDER)<br>RECOVERY (3) | INTEREST<br>RATE<br>4 | TIME<br>FACTOR<br>5 | DEMAND<br>INTEREST<br>EXPENSE<br>6=(2*4*5) | COMMODITY<br>INTEREST<br>EXPENSE<br>7=(3*4*5) | TOTAL<br>INTEREST<br>EXPENSE<br>8=(6+7) | INTEREST ON<br>REFUNDS (3) | TOTAL<br>INTEREST<br>10=(8+9) |
|----------------------|------------------------------|---|--|-----------------------|---------------------|--|---|---|----------------------------|-------------------------------|
|                      | (\$)                         | (\$)  | (\$)   |                       |                     | (\$)                                       | (\$)  | (\$)                                    | 9                          | (\$)                          |
| SEPTEMBER 16         | (2,475,675)                  | (3,553,989)                                   | 1,078,314  | 3.50%                 | 18/12               | (186,584)                                  | 56,611  | (129,973)                               | 0                          | (129,973)                     |
| OCTOBER              | (2,516,787)                  | (3,171,428)                                   | 654,640  | 3.50%                 | 17/12               | (157,250)                                  | 32,459  | (124,791)                               | 0                          | (124,791)                     |
| NOVEMBER             | (2,955,288)                  | (1,899,708)                                   | (1,055,580)                                      | 3.50%                 | 16/12               | (88,653)                                   | (49,260)                                      | (137,913)                               | 142                        | (137,771)                     |
| DECEMBER             | (3,517,393)                  | 1,985,460                                     | (5,502,852)                                      | 3.75%                 | 15/12               | 93,068                                     | (257,946)                                     | (164,878)                               | 0                          | (164,878)                     |
| JANUARY 17           | 4,938,015                    | 6,184,072                                     | (1,246,058)                                      | 3.75%                 | 14/12               | 270,553                                    | (54,515)                                      | 216,038                                 | 0                          | 216,038                       |
| FEBRUARY             | 3,610,460                    | 5,931,462                                     | (2,321,001)                                      | 3.75%                 | 13/12               | 240,966                                    | (94,291)                                      | 146,675                                 | 0                          | 146,675                       |
| MARCH                | 5,270,340                    | 3,248,586                                     | 2,021,754  | 3.75%                 | 12/12               | 121,822                                    | 75,816  | 197,638                                 | 0                          | 197,638                       |
| APRIL                | 6,371,733                    | 524,633                                       | 5,847,100  | 3.75%                 | 11/12               | 18,034                                     | 200,994                                       | 219,028                                 | 0                          | 219,028                       |
| MAY                  | 171,028                      | (2,144,497)                                   | 2,315,525  | 3.75%                 | 10/12               | (67,016)                                   | 72,360  | 5,345                                   | 0                          | 5,345                         |
| JUNE                 | (1,797,274)                  | (2,980,017)                                   | 1,182,744  | 3.75%                 | 9/12                | (83,813)                                   | 33,265  | (50,548)                                | 0                          | (50,548)                      |
| JULY                 | (2,240,365)                  | (3,031,099)                                   | 790,734  | 3.75%                 | 8/12                | (75,777)                                   | 19,768  | (56,009)                                | 0                          | (56,009)                      |
| AUGUST               | (2,805,344)                  | (3,170,452)                                   | 365,108  | 3.75%                 | 7/12                | (69,354)                                   | 7,987   | (61,367)                                | 0                          | (61,367)                      |
| <b>TOTAL FY 2017</b> | <b>2,063,450</b>             | <b>(2,076,978)</b>                            | <b>4,130,428</b>                                 |                       |                     | <b>15,996</b>                              | <b>43,248</b>                                 | <b>59,245</b>                           | <b>142</b>                 | <b>59,387</b>                 |
| <b>JANUARY 2016</b>  | <b>(951,544)</b>             | <b>3,999,064</b>                              | <b>(4,960,608)</b>                               | <b>2%</b>             | <b>14/12</b>        | <b>93,311</b>                              | <b>(115,748)</b>                              | <b>(22,436)</b>                         | <b>0</b>                   | <b>(22,436)</b>               |
| FEBRUARY             | 8,040,165                    | 5,913,391                                     | 2,126,774  | 2%                    | 13/12               | 128,123                                    | 46,080  | 174,204                                 | 0                          | 174,204                       |
| MARCH                | 8,101,940                    | 2,388,812                                     | 5,713,128  | 2%                    | 12/12               | 47,776                                     | 114,263                                       | 162,039                                 | 0                          | 162,039                       |
| APRIL                | 4,494,777                    | (835,403)                                     | 5,330,180  | 2%                    | 11/12               | (15,316)                                   | 97,720  | 82,404                                  | 0                          | 82,404                        |
| MAY                  | (620,398)                    | (2,051,281)                                   | 1,430,883  | 2%                    | 10/12               | (34,186)                                   | 23,848  | (10,340)                                | 0                          | (10,340)                      |
| JUNE                 | (581,505)                    | (2,941,164)                                   | 2,359,659  | 2%                    | 9/12                | (44,117)                                   | 35,395  | (8,723)                                 | 0                          | (8,723)                       |
| JULY                 | (2,537,700)                  | (3,437,793)                                   | 900,093  | 2%                    | 8/12                | (45,837)                                   | 12,001  | (33,836)                                | 0                          | (33,836)                      |
| AUGUST               | (3,459,211)                  | (3,650,472)                                   | 191,261  | 2%                    | 7/12                | (42,589)                                   | 2,231   | (40,357)                                | 0                          | (40,357)                      |
| <b>Grand Total</b>   | <b>12,476,524</b>            | <b>(614,846)</b>                              | <b>13,091,371</b>                                |                       |                     | <b>87,164</b>                              | <b>215,791</b>                                | <b>302,955</b>                          | <b>0</b>                   | <b>302,955</b>                |
|                      | <b>14,529,974</b>            | <b>(2,691,824)</b>                            | <b>17,221,798</b>                                |                       |                     | <b>103,160</b>                             | <b>259,039</b>                                | <b>362,199</b>                          | <b>142</b>                 | <b>362,341</b>                |

(1) See Schedule 5(b)  
(2) See Schedule 5(e)  
(3) See Schedule 5(c)

**FISCAL YEAR 2018  
PHILADELPHIA GAS WORKS  
LOAD BALANCING REVENUE**

| <u>Month</u>   | Load Balancing<br>Revenue<br>Billed |
|----------------|-------------------------------------|
| September 2017 | (\$)<br>84,289                      |
| October        | 84,644                              |
| November       | 85,001                              |
| December       | 85,200                              |
| January 2018   | 85,555                              |
| February       | 85,912                              |
| March          | 86,311                              |
| April          | 86,666                              |
| May            | 87,021                              |
| June           | 87,376                              |
| July           | 87,731                              |
| August         | 88,086                              |
| <b>Total</b>   | <b>1,033,791</b>                    |

**CALCULATION OF RECOVERED CHARGES**  
**1307F**  
**September 1, 2017**

|                                 | <u>50% March</u>   | <u>11.5 Months</u> | <u>Total</u>                    |
|---------------------------------|--------------------|--------------------|---------------------------------|
|                                 |                    |                    | (MCF)                      (\$) |
| S - Firm Sales (Mcf)            | 434,524            | 41,732,033         | 42,166,557                      |
| C-Factor                        | <u>\$ 5.0056</u>   | <u>\$ 4.8736</u>   |                                 |
| Projected Recovery              | 2,175,051          | 203,385,238        | \$ 205,560,289                  |
| <br>                            |                    |                    |                                 |
| S - Firm Sales (Mcf)            | 434,524            | 41,732,033         | 42,166,557                      |
| IRC-Factor                      | <u>\$ (0.0017)</u> | <u>\$ (0.0012)</u> |                                 |
| Projected Recovery              | (739)              | (47,992)           | \$ (48,731)                     |
| <br>                            |                    |                    |                                 |
| E-Factor Volumes (Mcf)          | 434,524            | 41,732,033         | 42,166,557                      |
| E-Factor                        | <u>\$ (0.0609)</u> | <u>\$ (0.0573)</u> |                                 |
| Projected Recovery              | (26,462)           | (2,391,246)        | \$ (2,417,708)                  |
| <br>                            |                    |                    |                                 |
| GCR (\$ / Mcf)                  | \$ 4.9430          | \$ 4.8152          |                                 |
| <hr/>                           |                    |                    |                                 |
| GCR Projected Recovery          |                    |                    | \$ 203,093,851                  |
| Load Balancing Revenue          |                    |                    | \$ 1,033,791                    |
| LNG Sales Demand Revenue        |                    |                    | <u>\$ 1,294,700</u>             |
| <br>                            |                    |                    |                                 |
| <b>TOTAL PROJECTED RECOVERY</b> |                    |                    | <b>\$ 205,422,342</b>           |

**Change In Rates  
1307F Filing  
Rates Effective September 1, 2017**

**Current Rates**

|                               | <u>12/01/16<br/>Distribution Charge</u><br>(1) | <u>12/01/16<br/>GCR</u><br>(2) | <u>12/01/16<br/>MFC</u><br>(3) | <u>12/01/16<br/>GPC</u><br>(4) | <u>12/01/16<br/>Commodity<br/>Rate</u><br>(5)=(1)+(2)+(3)+(4) |
|-------------------------------|--|--------------------------------|--------------------------------|--------------------------------|---|
| Residential GS                | \$7.7183                                       | \$4.1577                       | \$0.1946                       | \$0.0400                       | \$12.1106   |
| Commercial GS                 | \$6.3463                                       | \$4.1577                       | \$0.0116                       | \$0.0400                       | \$10.5556   |
| Industrial GS                 | \$6.2585                                       | \$4.1577                       | \$0.0125                       | \$0.0400                       | \$10.4687   |
| Phila.Housing Authority (PHA) | \$5.8580                                       | \$4.1577                       | \$0.0000                       | \$0.0400                       | \$10.0557   |
| Municipal (MS)                | \$5.0530                                       | \$4.1577                       | \$0.0000                       | \$0.0400                       | \$9.2507  |
| Phila.Housing Authority (GS)  | \$6.6557                                       | \$4.1577                       | \$0.0000                       | \$0.0400                       | \$10.8534   |

**September 1, 2017 - Distribution Charge**

|                               | <u>Delivery</u>                   | <u>Surcharges</u>                                   |  |   |   | <u>Total</u>   | <u>Distribution<br/>Charge / Mcf</u><br>(12)=(11)+(6) |
|-------------------------------|-----------------------------------|---|--|---|---|--|---|
|                               | <u>Delivery<br/>Charge</u><br>(6) | <u>Other Post<br/>Employment<br/>Benefit</u><br>(7) | <u>Efficiency<br/>Cost<br/>Recovery</u><br>(8) | <u>Universal<br/>Service &amp;<br/>Ener. Cons.</u><br>(9) | <u>Restructuring &amp;<br/>Consumer<br/>Education</u><br>(10) | <u>Total<br/>Surcharges</u><br>(11)=(7)+(8)+(9)+(10) |   |
| Residential GS                | \$6.0067                          | \$0.3757  | \$0.0304                                       | \$1.2484  | \$0.0095  | \$1.6640   | \$7.6707  |
| Commercial GS                 | \$4.5984                          | \$0.3757  | \$0.0765                                       | \$1.2484  | \$0.0095  | \$1.7101   | \$6.3085  |
| Industrial GS                 | \$4.5332                          | \$0.3757  | \$0.0893                                       | \$1.2484  | \$0.0095  | \$1.7229   | \$6.2561  |
| Phila.Housing Authority (PHA) | \$4.1101                          | \$0.3757  | \$0.0765                                       | \$1.2484  | \$0.0095  | \$1.7101   | \$5.8202  |
| Municipal (MS)                | \$3.3661                          | \$0.3757  | \$0.0000                                       | \$1.2484  | \$0.0095  | \$1.6336   | \$4.9997  |
| Phila.Housing Authority (GS)  | \$4.9441                          | \$0.3757  | \$0.0304                                       | \$1.2484  | \$0.0095  | \$1.6640   | \$6.6081  |

**Proposed Rates**

|                               | <u>09/01/17<br/>Distribution Charge</u><br>(12) | <u>09/01/17<br/>GCR</u><br>(13) | <u>09/01/17<br/>MFC</u><br>(14) | <u>09/01/17<br/>GPC</u><br>(15) | <u>09/01/17<br/>Commodity<br/>Rate</u><br>(16)=(12)+(13)+(14)+(15) | <u>Difference</u><br>(17)=(16)-(5) |
|-------------------------------|---|---------------------------------|---------------------------------|---------------------------------|--|------------------------------------|
| Residential GS                | \$7.6707  | \$4.8152                        | \$0.2254                        | \$0.0400                        | \$12.7513  | \$0.6407                           |
| Commercial GS                 | \$6.3085  | \$4.8152                        | \$0.0135                        | \$0.0400                        | \$11.1772  | \$0.6216                           |
| Industrial GS                 | \$6.2561  | \$4.8152                        | \$0.0144                        | \$0.0400                        | \$11.1257  | \$0.6570                           |
| Phila.Housing Authority (PHA) | \$5.8202  | \$4.8152                        | \$0.0000                        | \$0.0400                        | \$10.6754  | \$0.6197                           |
| Municipal (MS)                | \$4.9997  | \$4.8152                        | \$0.0000                        | \$0.0400                        | \$9.8549   | \$0.6042                           |
| Phila.Housing Authority (GS)  | \$6.6081  | \$4.8152                        | \$0.0000                        | \$0.0400                        | \$11.4633  | \$0.6099                           |

**PHILADELPHIA GAS WORKS**  
**SEPTEMBER 1, 2017 - 1307F FILING**  
**UNIVERSAL SERVICE & ENERGY CONSERVATION SURCHARGE**

|   | <b><u>Expenses in<br/>the Surcharge</u></b> |
|---|---|
| Enhanced Low Income Retrofit Program (ELIRP)      | \$ 6,419,407                                |
| Customer Responsibility Program (CRP)             | \$ 48,263,186                               |
| Senior Citizen Discount *                         | \$ 2,895,406                                |
| <u>August 17 Under Collection</u>                 | <u>\$ 798,938</u>                           |
| Total \$ to be Recovered                          | \$ 58,376,937                               |
| <br>  |   |
| Total Applicable Volumes                          | Mcf 46,760,461                              |
| <br>  |   |
| Universal Service & Energy Conservation Surcharge | <b><u><u>\$ 1.2484</u></u></b>              |

\* 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 \$3,181,592.



**STATEMENT OF RECONCILIATION  
UNIVERSAL SERVICES & ENERGY CONSERVATION SURCHARGE  
SEPTEMBER 2016 THROUGH August 2017**

| Month<br>FY 16 Reconciliation | USC<br>Applicable<br>Volumes | USC<br>Charge  | USC<br>Revenue<br>Billed | USC<br>Expenses | Monthly<br>Over/(Under)<br>Recovery | Cumulative<br>Over/(Under)<br>Recovery<br>(\$13,309,033) |               |               |                |                | Totals         |                |                |               |  |  |  |  |  |  |
|-------------------------------|------------------------------|----------------|--------------------------|-----------------|-------------------------------------|--|---------------|---------------|----------------|----------------|----------------|----------------|----------------|---------------|--|--|--|--|--|--|
|                               |                              |                |                          |                 |                                     |  | Mar-17        | Apr-17        | May-17         | Jun-17         |                | Jul-17         | Aug-17         |               |  |  |  |  |  |  |
| September 2016                | Actual                       | 1,071,555      | \$ 1,5104                | \$ (1,111,484)  | \$ 2,729,960                        | \$ (10,579,073)  |               |               |                |                |                |                |                |               |  |  |  |  |  |  |
| October                       | Actual                       | 1,401,686      | \$ 1,5160                | \$ (350,380)    | \$ 2,475,335                        | \$ (8,103,737)   |               |               |                |                |                |                |                |               |  |  |  |  |  |  |
| November                      | Actual                       | 2,945,088      | \$ 1,5160                | \$ 3,840,976    | \$ 623,777                          | \$ (7,479,961)   |               |               |                |                |                |                |                |               |  |  |  |  |  |  |
| December                      | Actual                       | 6,044,721      | \$ 1,4103                | \$ 8,524,567    | \$ 9,787,491                        | \$ (1,262,923)   |               |               |                |                |                |                |                |               |  |  |  |  |  |  |
| January 2017                  | Estimated                    | 8,769,309      | \$ 1,3045                | \$ 11,439,563   | \$ 11,649,091                       | \$ (209,528)   |               |               |                |                |                |                |                |               |  |  |  |  |  |  |
| February                      | Estimated                    | 8,986,057      | \$ 1,3045                | \$ 11,200,512   | \$ 11,491,680                       | \$ (291,169)   |               |               |                |                |                |                |                |               |  |  |  |  |  |  |
| March                         | Estimated                    | 6,789,147      | \$ 1,3837                | \$ 9,393,803    | \$ 10,313,768                       | \$ (919,965)   |               |               |                |                |                |                |                |               |  |  |  |  |  |  |
| April                         | Estimated                    | 4,364,601      | \$ 1,4628                | \$ 6,384,539    | \$ 6,106,053                        | \$ 278,486   |               |               |                |                |                |                |                |               |  |  |  |  |  |  |
| May                           | Estimated                    | 1,971,137      | \$ 1,4628                | \$ 2,883,379    | \$ 1,060,881                        | \$ 1,822,498   |               |               |                |                |                |                |                |               |  |  |  |  |  |  |
| June                          | Estimated                    | 1,270,314      | \$ 1,4628                | \$ 1,858,215    | \$ (581,382)                        | \$ (5,622,965)   |               |               |                |                |                |                |                |               |  |  |  |  |  |  |
| July                          | Estimated                    | 1,199,039      | \$ 1,4628                | \$ 1,753,955    | \$ (686,057)                        | \$ (3,162,953)   |               |               |                |                |                |                |                |               |  |  |  |  |  |  |
| August                        | Estimated                    | 1,061,788      | \$ 1,4628                | \$ 1,553,183    | \$ (830,832)                        | \$ (2,384,015)   |               |               |                |                |                |                |                |               |  |  |  |  |  |  |
| <b>USC Expenses</b>           |                              | <b>Sep-16</b>  | <b>Oct-16</b>            | <b>Nov-16</b>   | <b>Dec-16</b>                       | <b>Jan-17</b>  | <b>Feb-17</b> | <b>Mar-17</b> | <b>Apr-17</b>  | <b>May-17</b>  | <b>Jun-17</b>  | <b>Jul-17</b>  | <b>Aug-17</b>  | <b>Totals</b> |  |  |  |  |  |  |
| ELIRP Expense                 | \$ 4,070                     | \$ 3,253       | \$ 7,180                 | \$ 1,262,122    | \$ 561,247                          | \$ 561,247   | \$ 561,247    | \$ 561,247    | \$ 561,247     | \$ 561,247     | \$ 561,247     | \$ 561,247     | \$ 561,247     | \$ 6,477,519  |  |  |  |  |  |  |
| ELIRP Labor                   | \$ 9,245                     | \$ 6,710       | \$ 8,205                 | \$ 9,915        | \$ 7,417                            | \$ 7,417   | \$ 7,417      | \$ 7,417      | \$ 7,417       | \$ 7,417       | \$ 7,417       | \$ 7,417       | \$ 7,417       | \$ 93,410     |  |  |  |  |  |  |
| CRP Discount                  | \$ (1,982,820)               | \$ (1,220,808) | \$ 2,207,684             | \$ 7,322,973    | \$ 9,713,820                        | \$ 9,567,534   | \$ 4,388,235  | \$ (473,724)  | \$ (2,044,844) | \$ (2,259,134) | \$ (2,259,134) | \$ (2,259,134) | \$ (2,259,134) | \$ 31,515,717 |  |  |  |  |  |  |
| CRP Forgiveness               | \$ 764,938                   | \$ 734,013     | \$ 625,108               | \$ 676,546      | \$ 753,270                          | \$ 760,655   | \$ 775,425    | \$ 804,965    | \$ 790,195     | \$ 804,965     | \$ 797,580     | \$ 790,195     | \$ 775,425     | \$ 9,048,315  |  |  |  |  |  |  |
| Senior Citizen Discount       | \$ 93,084                    | \$ 126,452     | \$ 281,884               | \$ 515,935      | \$ 613,337                          | \$ 594,827   | \$ 536,362    | \$ 358,958    | \$ 160,976     | \$ 97,218      | \$ 91,599      | \$ 84,212      | \$ 3,554,844   |               |  |  |  |  |  |  |
| Bad Debt Expense Offset*      | \$ -                         | \$ -           | \$ -                     | \$ -            | \$ -                                | \$ -   | \$ -          | \$ -          | \$ -           | \$ -           | \$ -           | \$ -           | \$ -           | \$ -          |  |  |  |  |  |  |
| <b>Total</b>                  | \$ (1,111,484)               | \$ (350,380)   | \$ 3,840,976             | \$ 9,787,491    | \$ 11,649,091                       | \$ 11,491,680  | \$ 10,313,768 | \$ 6,106,053  | \$ 6,106,053   | \$ 1,060,881   | \$ (581,382)   | \$ (686,057)   | \$ (830,832)   | \$ 50,689,805 |  |  |  |  |  |  |

| CRP Participation                     |                |
|---------------------------------------|----------------|
| Rate Case Participation Rate          | 84,000         |
| Actual Participation Rate*            | 50,045         |
| CRP Under(Over) Participation         | 33,955         |
| <hr/>                                 |                |
| Average Shortfall Per CRP Participant |                |
| CRP Discount                          | \$ (1,982,820) |
| Actual Participation Rate             | \$ 2,207,684   |
| Average Shortfall per CRP Participant | \$ (40)        |
| <hr/>                                 |                |
| Shortfall*                            | \$ -           |
| Bad Debt Expense Offset*              | \$ -           |
| Average Shortfall per CRP Participant | 7.1%           |

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

**INTERRUPTIBLE REVENUE CREDIT**  
**September 1, 2017**

Fiscal Year 2016 Reconciliation (8/31/16) \$ 85,233 Schedule 10(c)

| <u>MONTH</u>   | <u>IRC CREDIT</u>     | <u>MARGIN</u>              |
|--|-----------------------|----------------------------|
| September-16   | Actual \$ (1,677)     | \$ 2,874                   |
| October  | Actual \$ (2,051)     | \$ 5,287                   |
| November   | Actual \$ (4,379)     | \$ 26,127                  |
| December   | Actual \$ (10,243)    | \$ 65                      |
| January-17   | Estimated \$ (16,114) | \$ 157                     |
| February   | Estimated \$ (15,794) | \$ 142                     |
| March  | Estimated \$ (11,543) | \$ 157                     |
| April  | Estimated \$ (6,832)  | \$ 152                     |
| May  | Estimated \$ (3,001)  | \$ 157                     |
| June   | Estimated \$ (1,847)  | \$ 152                     |
| July   | Estimated \$ (1,737)  | \$ 347                     |
| August   | Estimated \$ (1,536)  | \$ 347                     |
| Act/Est IRC Credit September 2016 to August 2017                         | <u>\$ (76,754)</u>    |                            |
| Act/Est Margin September 2016 to August 2017                             |                       | <u>\$ 35,964</u> \$ 35,964 |
| FY 2016 Reconciliation Plus Act/Est Margin September 2016 to August 2017 |                       | <u>\$ 121,197</u>          |

---

|  |                                |
|--|--------------------------------|
| FY 2016 Reconciliation Plus Act/Est Margin September 2016 to August 2017 | \$ 121,197                     |
| Act/Est IRC Credit September 2016 to August 2017                         | <u>\$ (76,754)</u>             |
| Reconciliation as of August 31, 2017                                     | \$ 44,443                      |
| Margin - September 2017 through August 2018                              | <u>\$ 4,085</u> Schedule 10(b) |
| August 31, 2017 Interruptible Revenue Credit                             | \$ 48,528                      |

---

GCR Firm Sales 42,166,557 Schedule 2

---

September 1, 2017 IRC/Mcf \$ 0.0012

**INTERRUPTIBLE REVENUE MARGIN**  
**1307F**

| <b><u>MONTH</u></b> |           | <b><u>MARGIN</u></b> |
|---------------------|-----------|----------------------|
| September           | Estimated | \$ 336               |
| October             | Estimated | \$ 347               |
| November            | Estimated | \$ 336               |
| December            | Estimated | \$ 347               |
| January-18          | Estimated | \$ 347               |
| February            | Estimated | \$ 313               |
| March               | Estimated | \$ 347               |
| April               | Estimated | \$ 336               |
| May                 | Estimated | \$ 347               |
| June                | Estimated | \$ 336               |
| July                | Estimated | \$ 347               |
| August              | Estimated | \$ 347               |
| Total               |           | \$ <u>4,085</u>      |

**INTERRUPTIBLE REVENUE CREDIT  
FY 2016**

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

| <u>MONTH</u>   | <u>IRC<br/>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  |
| <b>Actual IRC Credit September 2015 to August 2016</b>                         | <u>\$ (49,312)</u>    |  |
| <b>Actual Margin September 2015 to August 2016</b>                             |                       | <u>\$ 101,434</u> <span style="margin-left: 20px;">\$ 101,434</span> |
| <b>FY 2015 Reconciliation Plus Actual Margin September 2015 to August 2016</b> |                       | <u>\$ 134,545</u>  |

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

**OTHER POST EMPLOYMENT BENEFIT (OPEB) SURCHARGE  
FISCAL YEAR 2018**

**FY 2016 Over/(Under) Recovery** (\$2,638,304)

| <u>Month</u>          |           | <u>OPEB Volumes</u> | <u>OPEB Surcharge</u> | <u>Revenue Billed</u> |
|-----------------------|-----------|---------------------|-----------------------|-----------------------|
| <b>September 2016</b> | Actual    | 1,075,710           | \$0.3364              | \$361,815             |
| <b>October</b>        | Actual    | 1,407,836           | \$0.3724              | \$524,278             |
| <b>November</b>       | Actual    | 2,962,180           | \$0.3724              | \$1,103,116           |
| <b>December</b>       | Actual    | 6,080,124           | \$0.3724              | \$2,264,238           |
| <b>January 2017</b>   | Estimated | 8,821,291           | \$0.3724              | \$3,285,049           |
| <b>February</b>       | Estimated | 8,636,415           | \$0.3724              | \$3,216,201           |
| <b>March</b>          | Estimated | 6,827,921           | \$0.3724              | \$2,542,718           |
| <b>April</b>          | Estimated | 4,388,820           | \$0.3724              | \$1,634,397           |
| <b>May</b>            | Estimated | 1,980,423           | \$0.3724              | \$737,509             |
| <b>June</b>           | Estimated | 1,274,819           | \$0.3724              | \$474,743             |
| <b>July</b>           | Estimated | 1,203,162           | \$0.3724              | \$448,058             |
| <b><u>August</u></b>  | Estimated | <u>1,065,394</u>    | \$0.3724              | <u>\$396,753</u>      |
| <b>Total</b>          |           | 45,724,095          |                       | \$16,988,874          |

**FY 2017 Act/Est OPEB & FY 2016 Reconciliation** \$14,350,570  
**FY 2017 Permitted Recovery** \$16,000,000  
**Over/(Under) Recovery** (\$1,649,430)

**FY 2017 Under Recovery** \$1,649,430  
**FY 2018 Permitted Recovery** \$16,000,000  
**FY 2018 Recovery** \$17,649,430

**FY 2018 Volumes** 46,974,330

**FY 2018 OPEB Surcharge / Mcf** \$0.3757

**OTHER POST EMPLOYMENT BENEFIT (OPEB) SURCHARGE  
FISCAL YEAR 2016**

**FY 2015 Over/(Under) Recovery** \$805,783

| <u>Month</u>          |        | <u>OPEB Volumes</u> | <u>OPEB Surcharge</u> | <u>Revenue Billed</u> |
|-----------------------|--------|---------------------|-----------------------|-----------------------|
| <b>September 2015</b> | Actual | 1,039,409           | \$0.3041              | \$316,032             |
| <b>October</b>        | Actual | 1,539,123           | \$0.3003              | \$462,199             |
| <b>November</b>       | Actual | 2,684,958           | \$0.3003              | \$806,293             |
| <b>December</b>       | Actual | 4,288,966           | \$0.3003              | \$1,287,976           |
| <b>January 2016</b>   | Actual | 7,063,874           | \$0.3003              | \$2,121,281           |
| <b>February</b>       | Actual | 8,518,873           | \$0.3003              | \$2,558,218           |
| <b>March</b>          | Actual | 6,269,646           | \$0.3003              | \$1,882,775           |
| <b>April</b>          | Actual | 4,119,971           | \$0.3003              | \$1,237,227           |
| <b>May</b>            | Actual | 2,615,289           | \$0.3003              | \$785,371             |
| <b>June</b>           | Actual | 1,562,420           | \$0.3003              | \$469,195             |
| <b>July</b>           | Actual | 1,094,573           | \$0.3003              | \$328,700             |
| <b><u>August</u></b>  | Actual | <u>1,001,149</u>    | <u>\$0.3003</u>       | <u>\$300,645</u>      |
| <b>Total</b>          |        | <b>41,798,251</b>   |                       | <b>\$12,555,913</b>   |

|   |                            |
|---|----------------------------|
| <b>FY 2016 Actual OPEB &amp; FY 2015 Reconciliation</b> | <b>\$13,361,696</b>        |
| <b>FY 2016 Permitted Recovery</b>                       | <b><u>\$16,000,000</u></b> |
| <b>Over/(Under) Recovery</b>                            | <b>(\$2,638,304)</b>       |

**EFFICIENCY COST RECOVERY (ECR) SURCHARGE**  
**1307F - FISCAL YEAR 2018**

| <u>Program</u>   | <u>Residential<br/>&amp; PHA GS</u> | <u>Commercial<br/>&amp; PHA</u> | <u>Industrial</u> | <u>Total</u> |
|--|-------------------------------------|---------------------------------|-------------------|--------------|
| <b>Residential Heating Equipment Rebate (RHER)</b>           |                                     |                                 |                   |              |
| Program Expense  | \$746,329                           | \$86,574                        | \$726             | \$833,628    |
| Labor Expense  | \$22,937                            | \$2,661                         | \$22              | \$25,620     |
| <b>Commercial &amp; Industrial Retrofit Incentive (CIRI)</b> |                                     |                                 |                   |              |
| Program Expense  | \$159,485                           | \$287,879                       | \$0               | \$447,364    |
| Labor Expense  | \$4,498                             | \$8,120                         | \$0               | \$12,618     |
| <b>Commercial &amp; Industrial Equipment Rebate (CIER)</b>   |                                     |                                 |                   |              |
| Program Expense  | \$10,356                            | \$346,241                       | \$81,160          | \$437,756    |
| Labor Expense  | \$256                               | \$8,572                         | \$2,009           | \$10,838     |
| <b>High-Efficiency Construction Incentive (HECI)</b>         |                                     |                                 |                   |              |
| Program Expense  | \$116,131                           | \$141,487                       | \$0               | \$257,619    |
| Labor Expense  | \$2,775                             | \$3,381                         | \$0               | \$6,156      |
| <b>Comprehensive Residential Retrofit Incentive (CRRI)</b>   |                                     |                                 |                   |              |
| Program Expense  | \$49,140                            | \$860                           | \$0               | \$50,000     |
| Labor Expense  | <u>\$0</u>                          | <u>\$0</u>                      | <u>\$0</u>        | <u>\$0</u>   |
| <b>Total Expense</b>   | \$1,111,907                         | \$885,774                       | \$83,917          | \$2,081,599  |
| <b>Prior Period Reconciliation (2/28/17)</b>                 | \$ (69,385)                         | \$ (53,499)                     | \$ (13,519)       | \$ (136,403) |
| <b>Total</b>   | \$1,042,522                         | \$832,275                       | \$70,398          | \$1,945,196  |
| <b>Volumes - Mcf (GCR Firm &amp; Firm Transportation)</b>    | 34,296,424                          | 10,881,643                      | 788,433           |              |

|   |                 |                 |                 |
|---|-----------------|-----------------|-----------------|
| <b>Efficiency Cost Recovery Surcharge / Mcf</b> | <b>\$0.0304</b> | <b>\$0.0765</b> | <b>\$0.0893</b> |
|---|-----------------|-----------------|-----------------|





**PHILADELPHIA GAS WORKS  
LOAD BALANCING CHARGE RECONCILIATION  
CALENDAR YEAR 2016**

|  |                        | <u>2016</u>       |
|--|------------------------|-------------------|
| <b>Actual Storage and Peaking Cost</b>           |                        | \$ 14,549,052     |
| <b>Prior Year Carryover</b>                      |                        | <u>\$ 35,111</u>  |
|  |                        | \$ 14,584,164     |
| <hr/>  |                        |                   |
| <b>Design Day Requirements</b>                   | <b>Annual Mcf</b>      | 652,781           |
| <b>Fulfilled from FT Capacity</b>                | <b>Annual Mcf</b>      | <u>296,427</u>    |
| <b>Fulfilled from Storage and Peaking Assets</b> | <b>Annual Mcf</b>      | 356,354           |
| <hr/>  |                        |                   |
| <b>Annual Load Balancing Cost per Excess Mcf</b> | <b>Annual \$ / Mcf</b> | \$ 40.9261        |
| <b>BTU Conversion</b>                            |                        | 1.037             |
|  | <b>Annual \$ / Dth</b> | <u>\$ 39.4659</u> |
| <b>Monthly Charge /Dth</b>                       |                        | \$ 3.2888         |
| <hr/>  |                        |                   |
| <b>Over/(Under) Recovery</b>                     |                        | \$ (56,749)       |
| <b>Interest</b>                                  |                        | <u>\$ (5,091)</u> |
| <b>Carryover</b>                                 |                        | \$ (61,841)       |

**LOAD BALANCING CHARGE**

**2016 EXPENSE**

|                    | <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>Sep-16</u> | <u>Oct-16</u> | <u>Nov-16</u> | <u>Dec-16</u> | <u>Total</u>  |
|--------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Transco            | \$ 506,191    | \$ 458,923    | \$ 482,053    | \$ 393,392    | \$ 396,785    | \$ 392,202    | \$ 407,799    | \$ 357,957    | \$ 418,650    | \$ 404,537    | \$ 349,649    | \$ 376,871    | \$ 4,945,010  |
| Tetco              | \$ 658,420    | \$ 635,553    | \$ 623,328    | \$ 621,288    | \$ 606,250    | \$ 601,460    | \$ 613,998    | \$ 615,028    | \$ 618,026    | \$ 616,312    | \$ 636,027    | \$ 626,404    | \$ 7,472,094  |
| Dominion           | \$ 136,590    | \$ 131,038    | \$ 129,636    | \$ 126,309    | \$ 125,111    | \$ 126,109    | \$ 131,892    | \$ 131,892    | \$ 131,264    | \$ 129,631    | \$ 126,480    | \$ 120,435    | \$ 136,078    |
| WSS & EMM Trans    | \$ 19,918     | \$ 7,403      | \$ 2,284      | \$ 2,806      | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ 674        | \$ 1,594      | \$ 4,369      | \$ 39,049     |
| Purchased Electric | \$ 76,561     | \$ 77,980     | \$ 64,217     | \$ 47,777     | \$ 40,158     | \$ 10,551     | \$ 54,145     | \$ 27,389     | \$ 29,367     | \$ 33,163     | \$ 33,882     | \$ 51,323     | \$ 546,513    |
| State Tax          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ 22,879     |
| <b>Total</b>       | \$ 1,397,680  | \$ 1,310,897  | \$ 1,301,518  | \$ 1,191,572  | \$ 1,168,303  | \$ 1,130,322  | \$ 1,207,834  | \$ 1,132,266  | \$ 1,197,307  | \$ 1,184,318  | \$ 1,147,633  | \$ 1,179,402  | \$ 14,549,052 |

**2016 INTEREST CALCULATION**

| MONTH        | LOAD BALANCING VOLUME (1)<br>(DTH) | RATE (2) | LOAD BALANCING CHARGES  |            |               | OVER RECOVERY (5)=(4)-(3) | TIME FACTOR (6) | INTEREST RATE (7) | INTEREST EXPENSE (8)=(5)*(6)*(7) |
|--------------|------------------------------------|----------|-------------------------|------------|---------------|---------------------------|-----------------|-------------------|----------------------------------|
|              |                                    |          | LOAD CHARGE (3)=(1)*(2) | BILLED (4) | RECOVERED (5) |                           |                 |                   |                                  |
| Jan-16       | 29,560                             | 3.2888   | 97,216                  | 95,271     | (1,945)       | 26/12                     | 6.00%           | (253)             |                                  |
| Feb-16       | 29,139                             | 3.2888   | 95,831                  | 93,915     | (1,917)       | 25/12                     | 6.00%           | (240)             |                                  |
| Mar-16       | 29,162                             | 3.2888   | 95,909                  | 89,738     | (6,171)       | 24/12                     | 6.00%           | (740)             |                                  |
| Apr-16       | 29,291                             | 3.2888   | 96,332                  | 90,134     | (6,198)       | 23/12                     | 6.00%           | (713)             |                                  |
| May-16       | 29,185                             | 3.2888   | 95,983                  | 89,807     | (6,175)       | 22/12                     | 6.00%           | (679)             |                                  |
| Jun-16       | 29,182                             | 3.2888   | 95,975                  | 90,851     | (5,124)       | 21/12                     | 6.00%           | (538)             |                                  |
| Jul-16       | 29,384                             | 3.2888   | 96,637                  | 91,477     | (5,160)       | 20/12                     | 6.00%           | (516)             |                                  |
| Aug-16       | 29,299                             | 3.2888   | 96,359                  | 91,214     | (5,145)       | 19/12                     | 6.00%           | (489)             |                                  |
| Sep-16       | 29,152                             | 3.2888   | 95,874                  | 91,362     | (4,513)       | 18/12                     | 3.50%           | (237)             |                                  |
| Oct-16       | 29,292                             | 3.2888   | 96,334                  | 91,800     | (4,534)       | 17/12                     | 3.50%           | (225)             |                                  |
| Nov-16       | 26,588                             | 3.2888   | 87,442                  | 83,326     | (4,116)       | 16/12                     | 3.50%           | (192)             |                                  |
| Dec-16       | 24,814                             | 3.2888   | 81,609                  | 75,857     | (5,752)       | 15/12                     | 3.75%           | (270)             |                                  |
| <b>Total</b> | 344,047                            |          | 1,131,500               | 1,074,751  | (56,749)      |                           |                 | (5,091)           |                                  |

**PHILADELPHIA GAS WORKS  
LOAD BALANCING CHARGE  
SEPTEMBER 1, 2017**

|   |                           |
|---|---------------------------|
| <b>Storage and Peaking Asset Cost</b>                         | <b>\$ 13,451,552</b>      |
| <hr/>   |                           |
| <b>Design Day Requirements (Mcf)</b>                          | <b>652,781</b>            |
| <b>Fulfilled from FT Capacity (Mcf)</b>                       | <u>296,427</u>            |
| <b>Fulfilled from Storage and Peaking Assets (Excess Mcf)</b> | <b>356,354</b>            |
| <hr/>   |                           |
| <b>Annual Storage and Peaking Cost per Excess Mcf</b>         | <b>\$ 37.7477</b>         |
| <b>Per Mcf Over / (Under) Adjustment</b>                      | <b>\$ <u>(0.1636)</u></b> |
| <b>Load Balancing Charge</b>                                  | <b>\$ 37.9113</b>         |

|  |                          |
|--|--------------------------|
| <b>Over / (Under) Recovery</b>           | <b>\$ (56,749)</b>       |
| <b>Interest</b>                          | <b>\$ <u>(5,091)</u></b> |
| <b>Total Over/(Under) Recovery</b>       | <b>\$ (61,841)</b>       |
| <b>Forecasted SSPC Volumes</b>           | <b>378,056</b>           |
| <b>Per Mcf Over / (Under) Adjustment</b> | <b>\$ (0.1636)</b>       |

# Natural Gas Prices March 1, 2017 1307f GCR Filing

## Basis Differentials      Prices Used For Gas Cost Inputs

|        | NYMEX   |         |        | TRANSCO |        |        |         |        | TETCO  |        |        |                 |        | TRANSCO |        |        |        |        | TETCO |      |      |      |         |      |      |
|--------|---------|---------|--------|---------|--------|--------|---------|--------|--------|--------|--------|-----------------|--------|---------|--------|--------|--------|--------|-------|------|------|------|---------|------|------|
|        | Futures | 1/13/17 | Close  | Sta 30  | Sta 45 | Sta 65 | Sta. 85 | ELA    | WLA    | ETX    | STX    | Average ELA/ETX | M-1    | M-2     | Sta 30 | Sta 45 | Sta 65 | Sta 85 | ELA   | WLA  | ETX  | STX  | ELA/ETX | M-1  | M-2  |
| Jan-17 |         |         |        |         |        |        |         |        |        |        |        |                 |        |         | 3.49   | 3.44   | 3.56   | 3.56   | 3.36  | 3.34 | 3.28 | 3.29 | 3.32    | 3.32 | 2.94 |
| Feb-17 | 3.419   | (0.11)  | (0.14) | (0.02)  | (0.01) | (0.06) | (0.08)  | (0.14) | (0.13) | (0.10) | (0.48) | (0.10)          | (0.48) | 3.31    | 3.28   | 3.40   | 3.41   | 3.34   | 3.32  | 3.26 | 3.27 | 3.30 | 3.30    | 3.30 | 2.92 |
| Mar-17 | 3.396   | (0.11)  | (0.14) | (0.02)  | (0.01) | (0.06) | (0.08)  | (0.14) | (0.13) | (0.10) | (0.48) | (0.10)          | (0.48) | 3.29    | 3.26   | 3.38   | 3.39   | 3.32   | 3.30  | 3.24 | 3.25 | 3.28 | 3.28    | 2.90 |      |
| Apr-17 | 3.384   | (0.11)  | (0.14) | (0.02)  | (0.01) | (0.06) | (0.08)  | (0.14) | (0.13) | (0.10) | (0.48) | (0.10)          | (0.48) | 3.27    | 3.24   | 3.36   | 3.37   | 3.32   | 3.30  | 3.24 | 3.25 | 3.28 | 3.28    | 2.90 |      |
| May-17 | 3.381   | (0.11)  | (0.14) | (0.02)  | (0.01) | (0.06) | (0.08)  | (0.14) | (0.13) | (0.10) | (0.48) | (0.10)          | (0.48) | 3.27    | 3.24   | 3.36   | 3.37   | 3.36   | 3.34  | 3.28 | 3.29 | 3.32 | 3.32    | 2.94 |      |
| Jun-17 | 3.423   | (0.11)  | (0.14) | (0.02)  | (0.01) | (0.06) | (0.08)  | (0.14) | (0.13) | (0.10) | (0.48) | (0.10)          | (0.48) | 3.31    | 3.28   | 3.40   | 3.41   | 3.40   | 3.38  | 3.32 | 3.33 | 3.36 | 3.36    | 2.98 |      |
| Jul-17 | 3.463   | (0.11)  | (0.14) | (0.02)  | (0.01) | (0.06) | (0.08)  | (0.14) | (0.13) | (0.10) | (0.48) | (0.10)          | (0.48) | 3.35    | 3.32   | 3.44   | 3.45   | 3.41   | 3.39  | 3.33 | 3.34 | 3.37 | 3.37    | 2.99 |      |
| Aug-17 | 3.465   | (0.11)  | (0.14) | (0.02)  | (0.01) | (0.06) | (0.08)  | (0.14) | (0.13) | (0.10) | (0.48) | (0.10)          | (0.48) | 3.36    | 3.33   | 3.45   | 3.46   | 3.39   | 3.37  | 3.31 | 3.32 | 3.35 | 3.35    | 3.13 |      |
| Sep-17 | 3.448   | (0.11)  | (0.14) | (0.02)  | (0.01) | (0.06) | (0.08)  | (0.14) | (0.13) | (0.10) | (0.32) | (0.10)          | (0.32) | 3.34    | 3.31   | 3.43   | 3.44   | 3.40   | 3.38  | 3.32 | 3.33 | 3.36 | 3.36    | 3.14 |      |
| Oct-17 | 3.462   | (0.11)  | (0.14) | (0.02)  | (0.01) | (0.06) | (0.08)  | (0.14) | (0.13) | (0.10) | (0.32) | (0.10)          | (0.32) | 3.35    | 3.32   | 3.44   | 3.45   | 3.45   | 3.43  | 3.37 | 3.38 | 3.41 | 3.41    | 3.19 |      |
| Nov-17 | 3.506   | (0.11)  | (0.14) | (0.02)  | (0.01) | (0.06) | (0.08)  | (0.14) | (0.13) | (0.10) | (0.32) | (0.10)          | (0.32) | 3.40    | 3.37   | 3.49   | 3.50   | 3.56   | 3.54  | 3.48 | 3.49 | 3.52 | 3.52    | 3.30 |      |
| Dec-17 | 3.620   | (0.11)  | (0.14) | (0.02)  | (0.01) | (0.06) | (0.08)  | (0.14) | (0.13) | (0.10) | (0.32) | (0.10)          | (0.32) | 3.51    | 3.48   | 3.60   | 3.61   | 3.65   | 3.63  | 3.57 | 3.58 | 3.61 | 3.61    | 3.39 |      |
| Jan-18 | 3.705   | (0.11)  | (0.14) | (0.02)  | (0.01) | (0.06) | (0.08)  | (0.14) | (0.13) | (0.10) | (0.32) | (0.10)          | (0.32) | 3.60    | 3.57   | 3.69   | 3.70   | 3.60   | 3.58  | 3.52 | 3.53 | 3.56 | 3.56    | 3.34 |      |
| Feb-18 | 3.662   | (0.11)  | (0.14) | (0.02)  | (0.01) | (0.06) | (0.08)  | (0.14) | (0.13) | (0.10) | (0.32) | (0.10)          | (0.32) | 3.55    | 3.52   | 3.64   | 3.65   | 3.51   | 3.49  | 3.43 | 3.44 | 3.47 | 3.47    | 3.25 |      |
| Mar-18 | 3.573   | (0.11)  | (0.14) | (0.02)  | (0.01) | (0.06) | (0.08)  | (0.14) | (0.13) | (0.10) | (0.32) | (0.10)          | (0.32) | 3.46    | 3.43   | 3.55   | 3.56   | 2.91   | 2.89  | 2.83 | 2.84 | 2.87 | 2.87    | 2.65 |      |
| Apr-18 | 2.972   | (0.11)  | (0.14) | (0.02)  | (0.01) | (0.06) | (0.08)  | (0.14) | (0.13) | (0.10) | (0.32) | (0.10)          | (0.32) | 2.86    | 2.83   | 2.95   | 2.96   | 2.84   | 2.82  | 2.76 | 2.77 | 2.80 | 2.80    | 2.58 |      |
| May-18 | 2.902   | (0.11)  | (0.14) | (0.02)  | (0.01) | (0.06) | (0.08)  | (0.14) | (0.13) | (0.10) | (0.32) | (0.10)          | (0.32) | 2.79    | 2.76   | 2.88   | 2.89   | 2.86   | 2.84  | 2.78 | 2.79 | 2.82 | 2.82    | 2.60 |      |
| Jun-18 | 2.921   | (0.11)  | (0.14) | (0.02)  | (0.01) | (0.06) | (0.08)  | (0.14) | (0.13) | (0.10) | (0.32) | (0.10)          | (0.32) | 2.81    | 2.78   | 2.90   | 2.91   | 2.88   | 2.86  | 2.80 | 2.81 | 2.84 | 2.84    | 2.62 |      |
| Jul-18 | 2.941   | (0.11)  | (0.14) | (0.02)  | (0.01) | (0.06) | (0.08)  | (0.14) | (0.13) | (0.10) | (0.32) | (0.10)          | (0.32) | 2.83    | 2.80   | 2.92   | 2.93   | 2.87   | 2.85  | 2.79 | 2.80 | 2.83 | 2.83    | 2.61 |      |
| Aug-18 | 2.933   | (0.11)  | (0.14) | (0.02)  | (0.01) | (0.06) | (0.08)  | (0.14) | (0.13) | (0.10) | (0.32) | (0.10)          | (0.32) | 2.82    | 2.79   | 2.91   | 2.92   | 2.65   | 2.63  | 2.57 | 2.58 | 2.61 | 2.61    | 2.23 |      |

| Philadelphia Gas Works<br>Calculation of UFG and Retainage Percentages<br>Twelve Months Ending August 31, 2016   |  |                                      |
|--|--|--------------------------------------|
|  | <u>UFG</u>                               | <u>RETAINAGE</u>                     |
|  | Total<br>Distribution<br>System<br>(MCF) | Firm Sales<br>Sales<br>Only<br>(MCF) |
| <b>A. Gas Received For Delivery To Customers</b>   |  |                                      |
| From Interstate Pipelines directly into the Distribution System  | 67,959,953                               | 67,959,953                           |
| Less gas delivered for Interruptible Customers sendout   |  | <u>24,523,421</u>                    |
| From Interstate Pipelines directly into the Distribution System for Firm Customers Only  |  | 43,436,532                           |
| <b>B. Gas Delivered</b>  |  |                                      |
| To Customers   | 65,979,032                               |                                      |
| To Customers - Delivered to Firm Customers Only  |  | <u>41,807,187</u>                    |
| <b>C. Adjustment</b>   |  |                                      |
| <b>Adjustment for PUC UFG Report and Retainage</b><br>- Company use  | 233115                                   | 233,115                              |
| <b>Adjustment for PUC UFG Report Only</b><br>- Maintenance and Construction<br>- Gate station bleeds<br>- Correction for 6" w.c.<br>- Third party damage | 515.01<br>7,743<br>546,104<br>-          | -<br>-<br>-<br>-                     |
| Total Adjustments  | <u>787,477</u>                           | 233,115                              |
| <b>D. Distribution UFG and Retainage Rate</b>  |  |                                      |
| Total Distribution System Unaccounted for Gas  | 1,193,444                                |                                      |
| Unaccounted For and Accounted For Volumes Applicable to Retainage % Calculation  |  | <u>1,396,230</u>                     |
| <b>E. Percent UFG and Retainage</b>  |  |                                      |
| UFG Percentage   | 1.76%                                    |                                      |
| Retainage Percentage   |  | 3.2%                                 |

**Philadelphia Gas Works  
Restructuring & Consumer Education Surcharge  
Fiscal Year 2018**

**FY 16 Over/(Under) Recovery** (\$259,274) Schedule 17(b)

| <u>Month</u>          |           | <u>R&amp;CE Volumes</u> | <u>R&amp;CE Surcharge</u> | <u>Revenue Billed</u> |
|-----------------------|-----------|-------------------------|---------------------------|-----------------------|
| <b>September 2016</b> | Actual    | 1,075,710               | \$0.0036                  | \$3,819               |
| <b>October</b>        | Actual    | 1,407,836               | \$0.0010                  | \$1,408               |
| <b>November</b>       | Actual    | 2,962,180               | \$0.0010                  | \$2,962               |
| <b>December</b>       | Actual    | 6,080,124               | \$0.0010                  | \$6,080               |
| <b>January 2017</b>   | Estimated | 8,821,291               | \$0.0010                  | \$8,821               |
| <b>February</b>       | Estimated | 8,636,415               | \$0.0010                  | \$8,636               |
| <b>March</b>          | Estimated | 6,827,921               | \$0.0010                  | \$6,828               |
| <b>April</b>          | Estimated | 4,388,820               | \$0.0010                  | \$4,389               |
| <b>May</b>            | Estimated | 1,980,423               | \$0.0010                  | \$1,980               |
| <b>June</b>           | Estimated | 1,274,819               | \$0.0010                  | \$1,275               |
| <b>July</b>           | Estimated | 1,203,162               | \$0.0010                  | \$1,203               |
| <b><u>August</u></b>  | Estimated | <u>1,065,394</u>        | \$0.0010                  | <u>\$1,065</u>        |
| <b>Total</b>          |           | 45,724,095              |                           | \$48,467              |

---

**FY 2017 Est R&CE Recovery** (\$210,806)

**FY 2017 R&CE Expense** \$222,855 Schedule 17(c)

**FY 2017 Over/(Under) Recovery** (\$433,661)

---

**FY 2017 Under Recovery** \$433,661

**FY 2018 R&CE Expense** \$12,500 Schedule 17(c)

**FY 2018 Recovery Amount** \$446,161

---

**FY 2018 R&CE Volumes** 46,974,330

---

**FY 2018 R&CE Surcharge / Mcf** \$0.0095

**Philadelphia Gas Works  
Restructuring & Consumer Education Surcharge  
Fiscal Year 2017**

**FY 14 & FY 15 Over/(Under) Recovery** (\$116,080)

| <u>Month</u>          |        | <u>R&amp;CE Volumes</u> | <u>R&amp;CE Surcharge</u> | <u>Revenue Billed</u> |
|-----------------------|--------|-------------------------|---------------------------|-----------------------|
| <b>September 2015</b> | Actual | 519,705                 | \$0.0061                  | \$3,170               |
| <b>October</b>        | Actual | 1,539,123               | \$0.0061                  | \$9,389               |
| <b>November</b>       | Actual | 2,684,958               | \$0.0061                  | \$16,378              |
| <b>December</b>       | Actual | 4,288,966               | \$0.0061                  | \$26,163              |
| <b>January 2016</b>   | Actual | 7,063,874               | \$0.0061                  | \$43,090              |
| <b>February</b>       | Actual | 8,518,873               | \$0.0061                  | \$51,965              |
| <b>March</b>          | Actual | 6,269,646               | \$0.0061                  | \$38,245              |
| <b>April</b>          | Actual | 4,119,971               | \$0.0061                  | \$25,132              |
| <b>May</b>            | Actual | 2,615,289               | \$0.0061                  | \$15,953              |
| <b>June</b>           | Actual | 1,562,420               | \$0.0061                  | \$9,531               |
| <b>July</b>           | Actual | 1,094,573               | \$0.0061                  | \$6,677               |
| <b><u>August</u></b>  | Actual | <u>1,001,149</u>        | \$0.0061                  | <u>\$6,107</u>        |
| <b>Total</b>          |        | 41,278,547              |                           | \$251,799             |

|  |                         |
|--|-------------------------|
| <b>FY 2016 Actual R&amp;CE &amp; FY 2014-15 Recovery</b> | <b>\$135,719</b>        |
| <b>FY 2016 R&amp;CE Expense</b>                          | <b><u>\$395,343</u></b> |
| <b>FY 2016 Over/(Under) Recovery</b>                     | <b>(\$259,624)</b>      |

**Philadelphia Gas Works  
Restructuring & Consumer Education Surcharge  
Expense**

| Fiscal Year<br>Month | FY 2017          |                  |                  |                  |                 |                 |                 |                 |                 |                 |                 |                 | FY 2018          |                 |
|----------------------|------------------|------------------|------------------|------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|-----------------|
|                      | Sep-16<br>Actual | Oct-16<br>Actual | Nov-16<br>Actual | Dec-16<br>Actual | Jan-17<br>Est   | Feb-17<br>Est   | Mar-17<br>Est   | Apr-17<br>Est   | May-17<br>Est   | Jun-17<br>Est   | Jul-17<br>Est   | Aug-17<br>Est   | FY 2017<br>Total | FY 2018<br>Est  |
| Capital              |                  |                  |                  |                  |                 |                 |                 |                 |                 |                 |                 |                 |                  |                 |
| POR Build (90%)      | \$2,430          | \$9,982          | \$1,606          | \$2,594          | \$18,280        | \$18,280        | \$18,280        | \$18,280        | \$18,280        | \$18,280        | \$18,280        | \$18,280        | \$162,855        |                 |
| Access. Mech. (100%) | \$ -             | \$ -             | \$ -             | \$ -             | \$60,000        | \$ -            | \$ -            | \$ -            | \$ -            | \$ -            | \$ -            | \$ -            | \$ 60,000        |                 |
| Operating            |                  |                  |                  |                  |                 |                 |                 |                 |                 |                 |                 |                 |                  |                 |
| Mailers (50%)        |                  |                  |                  |                  |                 |                 |                 |                 |                 |                 |                 |                 |                  |                 |
| Access Mech. (100%)  |                  |                  |                  |                  |                 |                 |                 |                 |                 |                 |                 |                 |                  | \$12,500        |
| <b>Totals</b>        | <b>\$2,430</b>   | <b>\$9,982</b>   | <b>\$1,606</b>   | <b>\$2,594</b>   | <b>\$78,280</b> | <b>\$18,280</b> | <b>\$18,280</b> | <b>\$18,280</b> | <b>\$18,280</b> | <b>\$18,280</b> | <b>\$18,280</b> | <b>\$18,280</b> | <b>\$222,855</b> | <b>\$12,500</b> |



# Tab 3

**Philadelphia Gas Works**

**Item 53.64(c)** Thirty days prior to the filing of a tariff reflecting an increase or decrease in natural gas costs, each Section 1307(f) gas utility seeking recovery of purchased gas costs under that section shall provide notice to the public, under § 53.68 (relating to notice requirements), and shall file the following supporting information with the Commission, with a copy to the Consumer Advocate, Small Business Advocate and to intervenors upon request:

- (1) A complete list in schedule format of each spot and each long term source of gas supply, production, transportation and storage, used in the past 12 months, which 12-month period shall end 2 months prior to the date of the tariff filing, separately setting forth on a monthly basis the quantity and price of gas delivered, produced, transported or stored, maximum daily quantity levels, maximum annual quantity levels, a detailed description of warrantee or penalty provisions, including liquidated damages, take or pay provisions or minimum bill or take provisions of the purchases, balancing provisions and copies of Federal tariffs and contract provisions relating to the purchases—including demand and commodity components. With regard to each contemplated future source of supply, production, transportation or storage, during each of the next 20 months for each source, provide the name of the source, the maximum daily quantity, the maximum annual quantity, the minimum take levels, a detailed description of warrantee or penalty provisions, including liquidated damages, take or pay provisions or minimum bill or take provisions of the purchases, balancing provisions and contractual or tariffed terms of the purchases, copies of applicable Federal tariffs, the expiration date of each contract, the date when each contract was most recently negotiated and the details of the negotiation—such as meeting held, offers made, and changes in contractual obligation—and whether current proceedings, negotiations or renegotiations are pending before the Federal Energy Regulatory Commission, and the like, to modify the price, quantity or another condition of purchase, and if so, the details of the proceedings, negotiations or renegotiations. Gas supply sources which individually represent less than 3% of the total system supply may be shown collectively, such as other local gas purchases.

**Response:**

The attached schedules described herein below, contain details of the requested information. Information concerning PGW's Transportation and Storage contracts are addressed in section 53.64(c)(3) in February 1, 2017 Prefiling.

Schedule 1 – Twelve (12) month actual purchased gas costs expressed in terms of volumes and dollars for the period January 1, 2016 to December 31, 2016. This schedule reflects finalized numbers through the month of December.

Schedule 2 – Actual capacity release credits by pipeline by month for the period January 1, 2016 through December 31, 2016. This schedule reflects finalized numbers through the month of December.

Schedule 3 - Twenty (20) month forecast for the period January 1, 2017 through August 31, 2018.

Schedule 4 – Twenty (20) month forecast of capacity release credits by pipeline by month for the period January 1, 2017 through August 31, 2018.



**Philadelphia Gas Works**  
**Volumes Purchased**

|                         | Jan-16    | Feb-16    | Mar-16  | Apr-16  | May-16  | JUNE-16 | JULY-16 | Aug-16  | Sep-16  | Oct-16  | Nov-16  | Dec-16  |
|-------------------------|-----------|-----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Volume                  | 22,767    | 5,962     | 20,446  | 11,051  | 9,648   | 7,886   | 10,251  | 1,407   |         |         |         |         |
| Spot Purchases -Transco |           |           |         |         |         |         |         |         |         |         |         |         |
| Spot Dem-Transco        |           |           |         |         |         |         |         |         |         |         |         |         |
| Spot Purchases -Tetco   |           |           |         |         |         |         |         |         |         |         |         |         |
| Spot for Resale         |           |           |         |         |         |         |         |         |         |         |         |         |
| <b>Firm Contracts</b>   |           |           |         |         |         |         |         |         |         |         |         |         |
| Transco Supply2 - Dem   | 465,000   | 435,000   | 465,000 | 450,000 | 465,000 | 450,000 | 465,000 | 465,000 | 450,000 | 485,000 | 300,000 | 310,000 |
| Commodity               | 405,000   | 330,000   | 90,000  | 160,468 | 366,170 | 265,064 | -       | 105,000 | 145,000 | 105,000 | 600,000 | 620,000 |
| Transco Supply3 - Dem   |           |           |         |         |         |         |         |         |         |         |         |         |
| Commodity               |           |           |         |         |         |         |         |         |         |         |         |         |
| Transco Supply6 - Dem   | 310,000   | 290,000   | 310,000 | 150,000 | 155,000 | 150,000 | 155,000 | 155,000 | 150,000 | 155,000 | 300,000 | 310,000 |
| Commodity               | 465,000   | 435,000   | 465,000 | 450,000 | 465,000 | 450,000 | 465,000 | 465,000 | 450,000 | 485,000 | 600,000 | 620,000 |
| Transco Supply6 - Dem   | 775,000   | 635,000   | 310,000 | 50,000  | 140,819 | -       | -       | 95,819  |         |         | 620,234 | 765,000 |
| Commodity               |           |           |         |         |         |         |         |         |         |         |         |         |
| Transco Supply10 - Dem  | 310,000   | 290,000   | 310,000 | 150,000 | 155,000 | 150,000 | 155,000 | 155,000 | 150,000 | 115,000 | 300,000 | 310,000 |
| Commodity               |           |           |         |         |         |         |         |         |         |         |         |         |
| Transco Supply14 - Dem  |           |           |         |         |         |         |         |         |         |         |         |         |
| Commodity               |           |           |         |         |         |         |         |         |         |         |         |         |
| Transco Supply22 - Dem  | 620,000   | 580,000   | 620,000 | 150,000 | 155,000 | 150,000 | 155,000 | 155,000 | 150,000 | 155,000 | 150,000 | 610,000 |
| Commodity               | 545,000   | 520,000   | 252,151 | 110,000 | 114,525 | -       | 105,405 | 232,061 | 92,100  | 337,543 | 750,000 | 775,000 |
| Transco Supply23 - Dem  |           |           |         |         |         |         |         |         |         |         |         |         |
| Commodity               | 430,000   | 470,000   | 310,000 | 150,000 | 155,000 | 150,000 | 155,000 | 154,214 | 150,000 | 155,000 | 150,000 | 154,857 |
| Transco Supply25 - Dem  |           |           |         |         |         |         |         |         |         |         |         |         |
| Commodity               |           |           |         |         |         |         |         |         |         |         |         |         |
| Transco Supply26 - Dem  |           |           |         |         |         |         |         |         |         |         |         |         |
| Commodity               |           |           |         |         |         |         |         |         |         |         |         |         |
| Transco Supply28 - Dem  |           |           |         |         |         |         |         |         |         |         |         |         |
| Commodity               |           |           |         |         |         |         |         |         |         |         |         |         |
| Transco Supply29 - Dem  |           |           |         |         |         |         |         |         |         |         |         |         |
| Commodity               |           |           |         |         |         |         |         |         |         |         |         |         |
| Transco Supply30 - Dem  |           |           |         |         |         |         |         |         |         |         |         |         |
| Commodity               | 155,000   | 145,000   | 155,000 | 155,000 | 155,000 | 150,000 | 155,000 | 155,000 | 150,000 | 155,000 | 300,000 | 310,000 |
| Transco Supply31 - Dem  |           |           |         |         |         |         |         |         |         |         |         |         |
| Commodity               |           | 145,000   | 155,000 | -       | -       | -       | -       | -       | -       | -       | 650,000 | -       |
| Transco Supply32 - Dem  |           |           |         |         |         |         |         |         |         |         |         |         |
| Commodity               |           | 20,000    | -       | 150,000 | 155,000 | 150,000 | 155,000 | 155,000 | 150,000 | 155,000 | 300,000 | 310,000 |
| Tetco Supply1 - Dem     |           |           |         |         |         |         |         |         |         |         |         |         |
| Commodity               |           |           |         |         |         |         |         |         |         |         |         |         |
| Tetco Supply3 - Dem     |           |           |         |         |         |         |         |         |         |         |         |         |
| Commodity               |           |           |         |         |         |         |         |         |         |         |         |         |
| Tetco Supply5 - Dem     |           |           |         |         |         |         |         |         |         |         |         |         |
| Commodity               | 580,000   | 360,000   | 310,000 | -       | -       | -       | -       | -       | -       | -       | 150,000 | 155,000 |
| Tetco Supply16 - Dem    |           |           |         |         |         |         |         |         |         |         |         |         |
| Commodity               | 152,058   | 145,000   | 157,942 | 300,000 | 290,000 | 300,000 | 310,000 | 310,000 | 295,000 | 310,000 | 300,000 | 240,000 |
| Tetco Supply19 - Dem    |           |           |         |         |         |         |         |         |         |         |         |         |
| Commodity               | 155,000   | 145,000   | 155,000 | -       | -       | -       | -       | -       | -       | -       | 150,000 | 155,000 |
| Tetco Supply24 - Dem    |           |           |         |         |         |         |         |         |         |         |         |         |
| Commodity               | 620,000   | 580,000   | 620,000 | -       | -       | -       | -       | -       | -       | -       | 150,000 | 310,000 |
| Tetco Supply25 - Dem    |           |           |         |         |         |         |         |         |         |         |         |         |
| Commodity               | 1,160,000 | 1,160,000 | 760,000 | 220,460 | 280,102 | 150,000 | 388,402 | 448,632 | 525,702 | 499,648 | 600,000 | 775,000 |
| Tetco Supply26 - Dem    |           |           |         |         |         |         |         |         |         |         |         |         |
| Commodity               | 155,000   | 145,000   | 155,000 | -       | -       | -       | -       | -       | -       | -       | 150,000 | 155,000 |
| Tetco Supply28 - Dem    |           |           |         |         |         |         |         |         |         |         |         |         |
| Commodity               | 465,000   | 466,784   | 255,000 | 310,460 | 355,000 | 283,656 | 445,685 | 465,000 | 450,000 | 465,000 | 650,000 | 915,000 |
| Tetco Supply29 - Dem    |           |           |         |         |         |         |         |         |         |         |         |         |
| Commodity               | 155,000   | 145,000   | 155,000 | 150,000 | 135,000 | 149,836 | 155,000 | 155,000 | 150,000 | 155,000 | 300,000 | 310,000 |
| Tetco Supply30 - Dem    |           |           |         |         |         |         |         |         |         |         |         |         |
| Commodity               | 155,000   | 145,000   | 155,000 | -       | -       | -       | -       | -       | -       | -       | 150,000 | 155,000 |
| Tetco Supply31 - Dem    |           |           |         |         |         |         |         |         |         |         |         |         |
| Commodity               |           |           |         | 150,000 | 155,000 | 150,000 | 155,000 | 155,000 | 150,000 | 155,000 | 150,000 | 155,000 |











**Philadelphia Gas Works  
Cost of Fuel Purchased**

|   | Jan-16           | Feb-16           | Mar-16           | Apr-16           | May-16           | JUNE-16          | JULY-16          | Aug-16           | Sep-16           | Oct-16           | Nov-16           | Dec-16           |
|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Amount - \$                             |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| S-2 Capacity                            | 4,476            | 4,785            | 4,631            | 4,785            | 4,631            | 4,785            | 4,785            | 4,785            | 9,415            | 4,631            | 4,785            | 4,785            |
| Storage Demand                          | 21,870           | 23,348           | 22,595           | 23,348           | 22,595           | 23,348           | 23,496           | -                | 46,234           | 22,738           | 23,496           | 23,496           |
| Handling fr Sfg.                        | 4,872            | 3,651            | 1,706            | 536              |                  |                  |                  |                  |                  |                  | 922              | 4,090            |
| SSS Dem.                                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| GSS Dem.                                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| Sig. Cap. Vol. Chg.                     | 192,423          | 180,008          | 192,423          | 185,994          | 192,423          | 185,994          | 2,053            | 1,789            | 1,731            | 1,181            | 186,215          | 192,423          |
| Storage Injection                       | 39,978           | 63,382           | 67,753           | 65,994           | 67,753           | 65,994           | 67,753           | 192,193          | 185,994          | 192,193          | 65,967           | 67,753           |
| WSS Demand                              | 2,824            | 32,145           | 16,368           | 15,035           | 16,368           | 15,035           | 15,853           | 24,678           | 20,493           | 8,369            | 4,259            | 2,946            |
| Sig. Cap Vol Chg.                       | 23,927           | 3,873            | 8,281            | 6,894            | 4,071            | 20,301           | 23,776           | 24,835           | 27,021           | 27,835           | 1,259            | 2,946            |
| Handling fr Sfg.                        | 1,680            | 22,251           | 23,927           | 24,668           | 27,835           | 27,021           | 27,835           | 27,835           | 27,021           | 27,835           | 27,021           | 27,835           |
| FT Demand/3691                          |                  | 2,524            | 560              | 1,196            | 11               | 26,937           | 27,922           | 27,922           | 26,937           | 27,922           | 26,937           | 27,922           |
| P&T Demand/5001                         |                  | 72               | 200              | 349              | 11               |                  |                  |                  |                  |                  |                  |                  |
| FT Demand/3691                          | 2,446,612        | 2,288,766        | 2,449,176        | 2,359,267        | 2,449,176        | 2,359,267        | 2,437,909        | 2,437,909        | 2,359,267        | 2,437,909        | 2,359,267        | 2,435,362        |
| P&T Demand/5001                         | 118,846          | 98,662           | 64,578           | 31,118           | 38,037           | 17,097           | 11,791           | 11,168           | 14,518           | 33,424           | 84,418           | 133,183          |
| SPT Commodity                           | 60,573           | 56,665           |                  |                  |                  |                  |                  |                  |                  |                  |                  | 60,300           |
| Eminence Cust. Cap.                     |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| Eminence Storage Dem.                   | 25,058           | 23,441           | 25,058           | 24,250           | 25,058           | 24,250           | 25,058           | 25,058           | 24,250           | 25,058           |                  |                  |
| Eminence Storage Cap.                   | 10,336           | 23,636           | 25,265           | 24,450           | 25,265           | 24,450           | 25,265           | 25,265           | 24,450           | 25,265           |                  |                  |
| Handling to Sfg.                        |                  | 1,388            | 592              |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| Capacity Rel. Dem. Credit #3691         |                  | (294,541)        | (383,296)        | (219,421)        | (287,540)        | (323,015)        | (358,092)        | (561,536)        | (303,857)        | (258,525)        | (204,570)        | (229,983)        |
| Capacity Rel. Dem. Credit #5001         |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| S2 Credit                               | (3,295)          | (3,311)          | (3,331)          | (3,289)          | (3,250)          | (3,256)          | (3,204)          | (3,206)          | (3,208)          | (3,211)          | (3,189)          | (3,153)          |
| Eminence #2 Demand                      | 34,047           | 31,851           | 34,047           |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| Eminence #2 Capacity                    | 34,330           | 32,115           | 34,330           |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| Handling to Sfg.                        |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| Handling fr Sfg.                        | 12,155           | 1,574            | 942              |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| Eminence #2 a/d.                        |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| Cashout / Cashout 02/29/2016            |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| S2 Adj. (02/1/15 - 02/28/15)            |                  |                  | 18,177           |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| WSS Capacity Release                    | (15,345)         | (14,355)         | (15,345)         | (13,099)         | (13,535)         | (13,099)         | (13,535)         | (13,535)         | (13,099)         | (3,211)          |                  |                  |
| Eminence Capacity Release               |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| FT-Demand Charges Paid by VA Power      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| Cashout / Cashout 03/31/16              |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| S2 Adj. (02/1/16 - 02/29/16)            |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| Cashout / Cashout Majority Buy 01/31/16 |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| Unauthorized Overrun 02/2016            |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| <b>TOTAL</b>                            | <b>2,815,441</b> | <b>2,608,476</b> | <b>2,612,511</b> | <b>2,564,356</b> | <b>2,585,192</b> | <b>2,445,550</b> | <b>2,499,407</b> | <b>2,445,498</b> | <b>2,488,578</b> | <b>2,617,345</b> | <b>2,586,763</b> | <b>2,775,722</b> |



# Philadelphia Gas Works Cost Of Fuel Purchased Texas Eastern

| Volumes - Dth                       | Jan-16  | Feb-16  | Mar-16  | Apr-16  | May-16  | JUNE-16 | JULY-16 | Aug-16  | Sep-16  | Oct-16  | Nov-16  | Dec-16  |
|-------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CDS Access Area Demand              | 10.6000 | 10.5780 | 10.5780 | 10.5780 | 10.5780 | 10.5780 | 10.5780 | 10.5780 | 10.6840 | 10.6840 | 10.6840 | 10.7220 |
| CDS Market Area Demand              | 3.3846  | 3.3846  | 3.3846  | 3.3846  | 3.3846  | 3.3846  | 3.3846  | 3.3846  | 3.3846  | 3.3846  | 3.3846  | 3.3846  |
| CDS Commodity                       | 0.0561  | 0.0563  | 0.0568  | 0.0549  | 0.0548  | 0.0550  | 0.0545  | 0.0577  | 0.0576  | 0.0577  | 0.0591  | 0.0501  |
| CDS ACA Charge                      | 0.0014  | 0.0014  | 0.0014  | 0.0014  | 0.0014  | 0.0014  | 0.0014  | 0.0014  | 0.0014  | 0.0013  | 0.0013  | 0.0013  |
| FT1 Access Area Demand              | 10.3770 | 10.3550 | 10.3550 | 10.3550 | 10.3550 | 10.3550 | 10.3550 | 10.4610 | 10.4610 | 10.4610 | 10.4610 | 10.4990 |
| FT1 Market Area Demand              | 3.5476  | 3.5476  | 3.5476  | 3.5476  | 3.5476  | 3.5476  | 3.5476  | 3.5476  | 3.5476  | 3.5476  | 3.5476  | 3.5476  |
| FT1 Commodity                       | 0.0000  | 0.0530  | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  |
| FT1 ACA Charge                      | 0.0000  | 0.0014  | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  |
| SS1 Demand 400121                   | 5.4210  | 5.4150  | 5.4150  | 5.4150  | 5.4150  | 5.4150  | 5.4150  | 5.4430  | 5.4430  | 5.4430  | 5.4430  | 5.4430  |
| Space Charge                        | 0.1293  | 0.1293  | 0.1293  | 0.1293  | 0.1293  | 0.1293  | 0.1293  | 0.1293  | 0.1293  | 0.1293  | 0.1293  | 0.1293  |
| Handling fr Storage                 | 0.0555  | 0.0566  | 0.0566  | 0.0566  | 0.0566  | 0.0566  | 0.0566  | 0.0566  | 0.0566  | 0.0566  | 0.0577  | 0.0471  |
| Excess Withdrawal                   | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  |
| Storage Injection                   | 0.0350  | 0.0350  | 0.0350  | 0.0350  | 0.0350  | 0.0350  | 0.0350  | 0.0350  | 0.0350  | 0.0350  | 0.0350  | 0.0307  |
| Excess Injection                    | 0.1598  | 0.0000  | 0.1598  | 0.0000  | 0.1598  | 0.0000  | 0.0000  | 0.0000  | 0.1598  | 0.0000  | 0.1598  | 0.1555  |
| Storage Surcharge Credit            | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  |
| SS1 Demand 400209                   | 5.4210  | 5.4150  | 5.4150  | 5.4150  | 5.4150  | 5.4150  | 5.4150  | 5.4430  | 5.4430  | 5.4430  | 5.4430  | 5.4430  |
| Space Charge                        | 0.1293  | 0.1293  | 0.1293  | 0.1293  | 0.1293  | 0.1293  | 0.1293  | 0.1293  | 0.1293  | 0.1293  | 0.1293  | 0.1293  |
| Handling fr Storage                 | 0.0555  | 0.0566  | 0.0566  | 0.0566  | 0.0566  | 0.0566  | 0.0566  | 0.0566  | 0.0566  | 0.0566  | 0.0577  | 0.0471  |
| Excess Withdrawal                   | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  |
| Storage Injection                   | 0.0350  | 0.0350  | 0.0350  | 0.0350  | 0.0350  | 0.0345  | 0.0350  | 0.0350  | 0.0350  | 0.0350  | 0.0350  | 0.0307  |
| Excess Injection                    | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.1598  | 0.1598  | 0.0000  | 0.1598  | 0.1598  | 0.1550  |
| Storage Surcharge Credit            | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  |
| FTS-2 Demand                        | 7.9600  | 7.9600  | 7.9600  | 7.9600  | 7.9600  | 7.9600  | 7.9600  | 7.9600  | 7.9600  | 7.9600  | 7.9600  | 7.9620  |
| FTS-7 Demand                        | 6.5760  | 6.5760  | 6.5760  | 6.5760  | 6.5760  | 6.5760  | 6.5760  | 6.5760  | 6.5760  | 6.5760  | 6.5760  | 6.5760  |
| FTS-8 Demand                        | 6.8640  | 6.8640  | 6.8640  | 6.8640  | 6.8640  | 6.8640  | 6.8640  | 6.8640  | 6.8640  | 6.8640  | 6.8640  | 6.8640  |
| FT-1 Acc.Area Dem. 800514           | 10.3770 | 10.3550 | 10.3550 | 10.3550 | 10.3550 | 10.3550 | 10.3550 | 10.4610 | 10.4610 | 10.4610 | 10.4610 | 10.4990 |
| FT-1 Market Area Demand             | 2.2385  | 2.2385  | 2.2385  | 2.2385  | 2.2385  | 2.2385  | 2.2385  | 2.2385  | 2.2385  | 2.2385  | 2.2385  | 2.2385  |
| FT Commodity                        | 0.0601  | 0.0639  | 0.0639  | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0675  | 0.0534  |
| FT-1 ACA Charge                     | 0.0014  | 0.0014  | 0.0014  | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0013  | 0.0013  |
| FT1-3 Cap.Rel. demand credit 800514 | 0.0000  | 0.0000  | 0.0000  | 0.1060  | 0.1032  | 0.1138  | 0.1217  | 0.1327  | 0.1327  | 0.1064  | 0.0000  | 0.0000  |
| FT-1 Acc.Area Dem. 800515           | 10.3770 | 10.3550 | 10.3550 | 10.3550 | 10.3550 | 10.3550 | 10.3550 | 10.4610 | 10.4610 | 10.4610 | 10.4610 | 10.4990 |
| FT-1 Market Area Demand             | 2.2385  | 2.2385  | 2.2385  | 2.2385  | 2.2385  | 2.2385  | 2.2385  | 2.2385  | 2.2385  | 2.2385  | 2.2385  | 2.2385  |
| FT Commodity                        | 0.0602  | 0.0639  | 0.0639  | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0675  | 0.0534  |
| FT-1 ACA Charge                     | 0.0014  | 0.0014  | 0.0014  | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0000  | 0.0013  | 0.0013  |
| FT1-3 Cap.Rel. demand credit 800515 | 0.0000  | 0.0000  | 0.0000  | 0.0837  | 0.1032  | 0.1138  | 0.1217  | 0.1327  | 0.1327  | 0.1064  | 0.0000  | 0.0000  |
| CDS 800232 M1-M2 Cap. Rel.          | 0.3221  | 0.4338  | 0.4261  | 0.4261  | 0.6018  | 0.4541  | 0.3606  | 0.3631  | 0.3436  | 0.3442  | 0.0000  | 0.0000  |
| FT1-800233 M1-M3 Cap. Rel.          | 0.5300  | 0.5300  | 0.5300  | 0.5300  | 0.5300  | 0.5300  | 0.5300  | 0.5300  | 0.5300  | 0.5300  | 0.5300  | 0.5300  |
| FTS-2,7,8 ACA                       | 0.0014  | 0.0014  | 0.0014  | 0.0014  | 0.0014  | 0.0014  | 0.0014  | 0.0014  | 0.0014  | 0.0013  | 0.0013  | 0.0013  |

Philadelphia Gas Works  
Cost Of Fuel Purchased  
Texas Eastern

| Amount - \$                        | Jan-16    | Feb-16    | Mar-16    | Apr-16    | May-16    | JUNE-16   | JULY-16   | Aug-16    | Sep-16    | Oct-16    | Nov-16         | Dec-16         |
|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------------|----------------|
| CDS Access Area Demand             | 795,000   | 793,350   | 793,350   | 793,350   | 793,350   | 793,350   | 793,350   | 801,300   | 801,300   | 801,300   | 801,300        | 804,150        |
| CDS Market Area Demand             | 330,249   | 330,249   | 330,249   | 330,249   | 330,249   | 330,249   | 330,249   | 330,249   | 330,249   | 330,249   | 330,249        | 330,249        |
| CDS Commodity                      | 90,171    | 78,573    | 43,360    | 60,629    | 64,023    | 55,581    | 77,442    | 86,495    | 88,184    | 89,298    | 59,765         | 82,974         |
| CDS ACA Charge                     | 2,252     | 1,952     | 1,068     | 1,547     | 1,635     | 1,414     | 1,989     | 2,088     | 2,142     | 2,103     | 1,315          | 2,154          |
| FTI Access Area Demand             | 247,201   | 246,677   | 246,677   | 246,677   | 246,677   | 246,677   | 246,677   | 249,202   | 249,202   | 249,202   | 249,202        | 280,107        |
| FTI Market Area Demand             | 194,687   | 194,687   | 194,687   | 194,687   | 194,687   | 194,687   | 194,687   | 194,687   | 194,687   | 194,687   | 194,687        | 194,687        |
| FTI Commodity                      |           | 3,180     |           |           |           |           |           |           |           |           |                |                |
| FTI ACA Charge                     |           | 84        |           |           |           |           |           |           |           |           |                |                |
| SSI Demand 400121                  | 239,164   | 238,899   | 238,899   | 238,899   | 238,899   | 238,899   | 238,899   | 240,134   | 240,134   | 240,134   | 240,134        | 240,134        |
| Space Charge                       | 28,522    | 28,522    | 28,522    | 28,522    | 28,522    | 28,522    | 28,522    | 28,522    | 28,522    | 28,522    | 28,522         | 28,522         |
| Handling In Storage                | 33,170    | 19,757    | 10,276    | 11,249    |           |           |           |           |           |           | 6,988          | 12,968         |
| Excess Withdrawal                  |           |           |           |           |           |           |           |           |           |           |                |                |
| Storage Injection                  | 476       |           | 1,591     | 252       | 1,876     |           | 13,597    | 14,463    | 6,776     | 9,919     | 4,534          | 638            |
| Excess Injection                   | 1,922     |           | 788       |           | 656       |           |           |           | 1,859     |           | 5,796          | 1,001          |
| Storage Surcharge Credit           | (28,140)  | (28,309)  | (27,951)  | (27,676)  | (27,722)  | (27,278)  | (27,295)  | (27,315)  | (27,339)  | (26,845)  | (26,845)       | (26,910)       |
| SSI Demand 400209                  | 113,012   | 112,887   | 112,887   | 112,887   | 112,887   | 112,887   | 112,887   | 113,470   | 113,470   | 113,470   | 113,470        | 113,470        |
| Space Charge                       | 26,529    | 26,529    | 26,529    | 26,529    | 26,529    | 26,529    | 26,529    | 26,529    | 26,529    | 26,529    | 26,529         | 26,529         |
| Handling In Storage                | 27,286    | 21,657    | 12,537    | 12,886    | 1,865     |           |           |           |           | 3,958     | 8,879          | 12,841         |
| Excess Withdrawal                  |           |           |           |           |           |           |           |           |           |           |                |                |
| Storage Injection                  | 857       | 494       | 4,222     | 2,637     | 8,132     | 7,086     | 5,540     | 4,347     | 13,289    | 4,714     | 5,717          | 1,283          |
| Excess Injection                   |           |           |           |           |           |           | 357       | 79        |           | 1,051     | 6,919          | 1              |
| Storage Surcharge Credit           | (13,313)  | (13,393)  | (13,224)  | (13,054)  | (13,075)  | (12,866)  | (12,874)  | (12,893)  | (12,895)  | (12,806)  | (12,662)       | (12,692)       |
| FTS-2 Demand                       | 42,936    | 42,936    | 42,936    | 42,936    | 42,936    | 42,936    | 42,936    | 42,936    | 42,936    | 42,936    | 42,936         | 42,947         |
| FTS-7 Demand                       | 51,214    | 51,214    | 51,214    | 51,214    | 51,214    | 51,214    | 51,214    | 51,214    | 51,214    | 51,214    | 51,214         | 51,214         |
| FTS-8 Demand                       | 176,467   | 176,467   | 176,467   | 176,467   | 176,467   | 176,467   | 176,467   | 176,467   | 176,467   | 176,467   | 176,467        | 176,467        |
| FT-1 Acc-Area Dem. 800514          | 186,786   | 186,390   | 186,390   | 186,390   | 186,390   | 186,390   | 186,390   | 188,298   | 188,298   | 188,298   | 188,298        | 188,982        |
| FT-1 Market Area Demand            | 25,685    | 25,685    | 25,685    | 25,685    | 25,685    | 25,685    | 25,685    | 25,685    | 25,685    | 25,685    | 25,685         | 25,685         |
| FT Commodity                       | 33,382    | 33,346    | 35,645    |           |           |           |           |           |           |           |                |                |
| FT-1 ACA Charge                    | 777       | 731       | 781       |           |           |           |           |           |           |           | 702            | 725            |
| FTI-3 Cap. Rel. dem. credit 800514 |           |           |           | (67,240)  | (94,302)  | (100,602) | (111,209) | (121,253) | (117,342) | (156,575) |                |                |
| FT-1 Acc-Area Dem. 800515          | 186,786   | 186,390   | 186,390   | 186,390   | 186,390   | 186,390   | 186,390   | 188,298   | 188,298   | 188,298   | 188,298        | 188,982        |
| FT-1 Market Area Demand            | 25,685    | 25,685    | 25,685    | 25,685    | 25,685    | 25,685    | 25,685    | 25,685    | 25,685    | 25,685    | 25,685         | 25,685         |
| FT Commodity                       | 33,588    | 33,346    | 35,634    |           |           |           |           |           |           |           |                |                |
| FT-1 ACA Charge                    | 781       | 731       | 781       |           |           |           |           |           |           |           | 702            | 725            |
| FTI-3 Cap. Rel. dem. credit 800515 |           |           |           | (45,198)  | (94,302)  | (100,602) | (111,209) | (121,253) | (117,342) | (156,575) |                |                |
| CDS 900232 M1-M2 Cap. Rel.         | (156,174) | (146,651) | (154,296) | (150,443) | (94,302)  | (100,602) | (111,209) | (165,724) | (117,448) | (121,786) | (\$109,612.44) | (\$131,061.52) |
| FTI-800233 M1-M3 Cap. Rel.         | (342,993) | (287,563) | (342,993) | (331,928) | (342,993) | (331,928) | (342,993) | (342,993) | (331,928) | (342,993) | (\$217,996.44) | (\$225,262.99) |
| FTS-2.7.8 ACA                      | 1,470     | 1,031     | 786       | 676       | 217       | 210       | 217       | 217       | 210       | 202       | 964            | 1154.23        |
| CSHOUT UNDER 5% DS                 |           |           |           |           |           |           |           |           |           |           |                |                |
| PRIOR ADJUSTMENTS                  |           |           |           |           |           |           |           |           |           |           |                |                |
| O.F.O CREDITS                      |           |           |           |           |           |           |           |           |           |           |                |                |
| TOTAL                              | 2,355,436 | 2,385,532 | 2,275,576 | 2,130,914 | 2,008,507 | 2,000,951 | 1,994,832 | 1,998,955 | 2,070,842 | 2,002,927 | 2,689,951      | 2,467,953      |

**Philadelphia Gas Works**  
**Volumes, Rates, and Total Amounts**

Dominion

|                               | Jan-16            | Feb-16            | Mar-16            | Apr-16            | May-16            | JUNE-16           | JULY-16           | Aug-16            | Sep-16            | Oct-16            | Nov-16            | Dec-16            |
|-------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| <b>Volumes</b>                | 34,047            | 34,047            | 34,047            | 34,047            | 34,047            | 34,047            | 34,047            | 34,047            | 34,047            | 34,047            | 34,047            | 34,047            |
| GSS Storage Demand            | 3,918,971         | 3,918,971         | 3,918,971         | 3,918,971         | 3,918,971         | 3,918,971         | 3,918,971         | 3,918,971         | 3,918,971         | 3,918,971         | 3,918,971         | 3,918,971         |
| GSS Storage Capacity          | -                 | -                 | 74,750            | -                 | 186,914           | 431,183           | 445,718           | 445,718           | 421,755           | 359,451           | 287,865           | 744,920           |
| GSS Storage Injection         | -                 | -                 | 414,644           | 338,600           | -                 | -                 | -                 | -                 | -                 | -                 | -                 | 744,920           |
| GSS Handling from Storage     | 909,776           | 601,345           | 414,644           | 338,600           | -                 | -                 | -                 | -                 | -                 | -                 | -                 | 744,920           |
| GSS-TE Surcharge              | 909,776           | 601,345           | 414,644           | 338,600           | -                 | -                 | -                 | -                 | -                 | -                 | -                 | 744,920           |
| GSS-TE Excess Injection       | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 |
| Unauthorized Overrun Charges  | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 |
| <b>Rates - \$</b>             |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
| GSS Storage Demand            | 1.8618            | 1.8618            | 1.8618            | 1.8618            | 1.8618            | 1.8618            | 1.8618            | 1.8618            | 1.8618            | 1.8618            | 1.8683            | 1.8683            |
| GSS Storage Capacity          | 0.0145            | 0.0145            | 0.0145            | 0.0145            | 0.0145            | 0.0145            | 0.0145            | 0.0145            | 0.0145            | 0.0145            | 0.0145            | 0.0145            |
| GSS Storage Injection         | 0.0262            | 0.0262            | 0.0262            | 0.0262            | 0.0262            | 0.0262            | 0.0262            | 0.0262            | 0.0262            | 0.0262            | 0.0274            | 0.0274            |
| GSS Handling from Storage     | 0.0149            | 0.0149            | 0.0149            | 0.0149            | 0.0149            | 0.0149            | 0.0149            | 0.0149            | 0.0149            | 0.0149            | 0.0148            | 0.0161            |
| GSS-TE Surcharge              | 0.0031            | 0.0031            | 0.0031            | 0.0031            | 0.0031            | 0.0031            | 0.0031            | 0.0031            | 0.0031            | 0.0031            | 0.0049            | 0.0049            |
| GSS-TE Excess Injection       | 0.6363            | 0.6363            | 0.6363            | 0.6363            | 0.6363            | 0.6363            | 0.6363            | 0.6363            | 0.6363            | 0.6363            | 0.2365            | 0.2365            |
| Unauthorized Overrun Charges  | 0.6316            | 0.6316            | 0.6316            | 0.6316            | 0.6316            | 0.6316            | 0.6316            | 0.6316            | 0.6316            | 0.6316            | 0.6309            | 0.6309            |
| <b>Total Amount - \$</b>      |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
| GSS Storage Demand            | 63,389            | 63,389            | 63,389            | 63,389            | 63,389            | 63,389            | 63,389            | 63,389            | 63,389            | 63,389            | 63,610            | 63,610            |
| GSS Storage Capacity          | 56,825            | 56,825            | 56,825            | 56,825            | 56,825            | 56,825            | 56,825            | 56,825            | 56,825            | 56,825            | 56,825            | 56,825            |
| GSS Storage Injection         | -                 | -                 | 1,958             | -                 | 4,897             | 11,297            | 11,678            | 11,678            | 11,050            | 9,418             | 6,045             | 11,983            |
| GSS Handling from Storage     | 13,556            | 8,960             | 6,178             | 5,045             | -                 | -                 | -                 | -                 | -                 | -                 | -                 | 3,650             |
| GSS-TE Surcharge              | 2,820             | 1,864             | 1,285             | 1,050             | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 |
| GSS-TE Excess Injection       | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 |
| *Overrun/Penalty Distribution | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 |
| Unauthorized Overrun Charges  | -                 | -                 | -                 | -                 | -                 | (5,401)           | -                 | -                 | -                 | -                 | -                 | -                 |
| <b>TOTAL</b>                  | <b>\$ 136,590</b> | <b>\$ 131,038</b> | <b>\$ 129,636</b> | <b>\$ 126,309</b> | <b>\$ 125,111</b> | <b>\$ 126,109</b> | <b>\$ 131,892</b> | <b>\$ 131,892</b> | <b>\$ 131,264</b> | <b>\$ 129,631</b> | <b>\$ 126,480</b> | <b>\$ 136,078</b> |

Philadelphia Gas Works  
 Pennsylvania Public Utilities Commission  
 52 Pa. Code §53.61, et seq.

Schedule 2  
 Item 53.64(C)(1)

For the Twelve Months Ending December 2016

| MONTH  | TGPL         |            | TETCO        |            | Combined Total |            |
|--------|--------------|------------|--------------|------------|----------------|------------|
|        | Total        | Volume *   | Total        | Volume     | Total          | Volume     |
|        | Credits      | DTH'S      | Credits      | DTH'S      | Credits        | DTH'S      |
| Jan-16 | \$ 332,126   | 985,614    | \$ 499,167   | 1,012,677  | \$ 831,293     | 1,998,291  |
| Feb-16 | \$ 308,896   | 918,111    | \$ 434,214   | 880,596    | \$ 743,110     | 1,798,707  |
| Mar-16 | \$ 398,641   | 1,282,173  | \$ 497,288   | 1,009,267  | \$ 895,929     | 2,291,440  |
| Apr-16 | \$ 232,520   | 953,220    | \$ 584,810   | 2,059,350  | \$ 817,330     | 3,012,570  |
| May-16 | \$ 301,075   | 1,912,700  | \$ 695,667   | 2,218,701  | \$ 996,742     | 4,131,401  |
| Jun-16 | \$ 336,114   | 2,440,460  | \$ 689,864   | 2,142,330  | \$ 1,025,978   | 4,582,790  |
| Jul-16 | \$ 371,626   | 2,920,583  | \$ 730,708   | 2,221,584  | \$ 1,102,334   | 5,142,167  |
| Aug-16 | \$ 375,071   | 2,998,512  | \$ 751,223   | 2,205,061  | \$ 1,126,295   | 5,203,573  |
| Sep-16 | \$ 316,954   | 2,801,820  | \$ 684,061   | 2,048,030  | \$ 1,001,015   | 4,849,850  |
| Oct-16 | \$ 258,525   | 2,278,720  | \$ 777,931   | 3,232,959  | \$ 1,036,456   | 5,511,679  |
| Nov-16 | \$ 204,570   | 555,210    | \$ 327,611   | 876,150    | \$ 532,181     | 1,431,360  |
| Dec-16 | \$ 229,974   | 614,079    | \$ 365,329   | 951,173    | \$ 595,303     | 1,565,252  |
|        | \$ 3,666,091 | 20,661,202 | \$ 7,037,874 | 20,857,878 | \$ 10,703,966  | 41,519,080 |

\* TGPL volumes do not include the ES storage capacity release but do include the credits to PGW has stated on the monthly invoices.

# Tab 4



Philadelphia Gas Works  
 Forecasted Summary of Total Fuel Purchased  
 January 2017-August 2018

Schedule 3  
 item 50.64(c)(1)

Volumes (Dth)

|                          | 1/1/2017: Jan    | 2/1/2017: Feb    | 3/1/2017: Mar    | 4/1/2017: Apr    | 5/1/2017: May    | 6/1/2017: Jun    | 7/1/2017: Jul    | 8/1/2017: Aug  | 9/1/2017: Sep    | 10/1/2017: Oct   |
|--------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|----------------|------------------|------------------|
| Spot Purchases - Transco | 47,901           | 2,020,613        | 1,313,240        | 604,484          | 290,154          | 258              | 267              | 267            | 258              | 163,515          |
| Spot Purchases - Teteo   | 74,079           | 2,746,493        | 3,062,502        | 2,033,625        | 2,045,516        | 1,403,418        | 1,111,243        | 736,409        | 2,124,125        | 1,970,096        |
| Transco Supply 1         | -                | -                | -                | -                | -                | -                | -                | -              | -                | -                |
| Transco Supply 2         | -                | -                | -                | -                | -                | -                | -                | -              | -                | -                |
| Transco Supply 3         | -                | -                | -                | -                | -                | -                | -                | -              | -                | -                |
| Transco Supply 4         | -                | -                | -                | -                | -                | -                | -                | -              | -                | -                |
| Transco Supply 5         | -                | -                | -                | -                | -                | -                | -                | -              | -                | -                |
| Transco Supply 6         | 155,000          | -                | -                | -                | -                | -                | -                | -              | -                | -                |
| Transco Supply 7         | -                | -                | -                | -                | -                | -                | -                | -              | -                | -                |
| Transco Supply 8         | 755,000          | 560,000          | 512,297          | 593,682          | 551,643          | 580,000          | 5,272            | 5,096          | 560,000          | 496,686          |
| Transco Supply 9         | -                | -                | -                | -                | -                | -                | -                | -              | -                | -                |
| Transco Supply 10        | 310,000          | 280,000          | 310,000          | -                | -                | -                | -                | -              | -                | -                |
| Transco Supply 11        | -                | -                | -                | -                | -                | -                | -                | -              | -                | -                |
| Transco Supply 12        | -                | -                | -                | -                | -                | -                | -                | -              | -                | -                |
| Transco Supply 13        | -                | -                | -                | -                | -                | -                | -                | -              | -                | -                |
| Transco Supply 14        | 155,000          | -                | -                | -                | -                | -                | -                | -              | -                | -                |
| Transco Supply 15        | -                | -                | -                | -                | -                | -                | -                | -              | -                | -                |
| Transco Supply 16        | -                | -                | -                | -                | -                | -                | -                | -              | -                | -                |
| Transco Supply 17        | -                | -                | -                | -                | -                | -                | -                | -              | -                | -                |
| Transco Supply 18        | -                | -                | -                | -                | -                | -                | -                | -              | -                | -                |
| Transco Supply 19        | -                | -                | -                | -                | -                | -                | -                | -              | -                | -                |
| Transco Supply 20        | -                | -                | -                | -                | -                | -                | -                | -              | -                | -                |
| Transco Supply 21        | -                | -                | -                | -                | -                | -                | -                | -              | -                | -                |
| Transco Supply 22        | 750,000          | 676,647          | 599,660          | 635,031          | 405,104          | 34,055           | 176              | 351            | 169,085          | 327,171          |
| Transco Supply 23        | 155,000          | -                | -                | -                | -                | -                | -                | -              | -                | -                |
| Transco Supply 24        | -                | -                | -                | -                | -                | -                | -                | -              | -                | -                |
| Transco Supply 25        | 310,000          | -                | -                | -                | -                | -                | -                | -              | -                | -                |
| Transco Supply 26        | -                | -                | -                | -                | -                | -                | -                | -              | -                | -                |
| Transco Supply 27        | -                | -                | -                | -                | -                | -                | -                | -              | -                | -                |
| Transco Supply 28        | -                | -                | -                | -                | -                | -                | -                | -              | -                | -                |
| Transco Supply 29        | 310,000          | -                | -                | -                | -                | -                | -                | -              | -                | -                |
| Transco Supply 30        | 155,000          | -                | -                | -                | -                | -                | -                | -              | -                | -                |
| Transco Supply 31        | -                | -                | -                | -                | -                | -                | -                | -              | -                | -                |
| Transco Supply 32        | -                | -                | -                | -                | -                | -                | -                | -              | -                | -                |
| Teteo Supply 1           | -                | -                | -                | -                | -                | -                | -                | -              | -                | -                |
| Teteo Supply 2           | -                | -                | -                | -                | -                | -                | -                | -              | -                | -                |
| Teteo Supply 3           | 155,000          | -                | -                | -                | -                | -                | -                | -              | -                | -                |
| Teteo Supply 4           | -                | -                | -                | -                | -                | -                | -                | -              | -                | -                |
| Teteo Supply 5           | -                | -                | -                | -                | -                | -                | -                | -              | -                | -                |
| Teteo Supply 6           | -                | -                | -                | -                | -                | -                | -                | -              | -                | -                |
| Teteo Supply 7           | -                | -                | -                | -                | -                | -                | -                | -              | -                | -                |
| Teteo Supply 8           | -                | -                | -                | -                | -                | -                | -                | -              | -                | -                |
| Teteo Supply 9           | -                | -                | -                | -                | -                | -                | -                | -              | -                | -                |
| Teteo Supply 10          | -                | -                | -                | -                | -                | -                | -                | -              | -                | -                |
| Teteo Supply 11          | -                | -                | -                | -                | -                | -                | -                | -              | -                | -                |
| Teteo Supply 12          | -                | -                | -                | -                | -                | -                | -                | -              | -                | -                |
| Teteo Supply 13          | -                | -                | -                | -                | -                | -                | -                | -              | -                | -                |
| Teteo Supply 14          | -                | -                | -                | -                | -                | -                | -                | -              | -                | -                |
| Teteo Supply 15          | -                | -                | -                | -                | -                | -                | -                | -              | -                | -                |
| Teteo Supply 16          | 310,000          | -                | -                | -                | -                | -                | -                | -              | -                | -                |
| Teteo Supply 17          | -                | -                | -                | -                | -                | -                | -                | -              | -                | -                |
| Teteo Supply 18          | -                | -                | -                | -                | -                | -                | -                | -              | -                | -                |
| Teteo Supply 19          | 155,000          | -                | -                | -                | -                | -                | -                | -              | -                | -                |
| Teteo Supply 20          | -                | -                | -                | -                | -                | -                | -                | -              | -                | -                |
| Teteo Supply 21          | -                | -                | -                | -                | -                | -                | -                | -              | -                | -                |
| Teteo Supply 22          | -                | -                | -                | -                | -                | -                | -                | -              | -                | -                |
| Teteo Supply 23          | -                | -                | -                | -                | -                | -                | -                | -              | -                | -                |
| Teteo Supply 24          | 765,000          | 190,000          | 165,000          | 273,016          | 402,336          | 150,000          | 155,000          | 165,000        | 170,000          | 175,000          |
| Teteo Supply 25          | -                | -                | -                | -                | -                | -                | -                | -              | -                | -                |
| Teteo Supply 26          | 905,000          | 125,000          | 61,255           | 73,301           | 192,140          | -                | -                | 50,000         | 50,434           | 92,003           |
| Teteo Supply 27          | -                | -                | -                | -                | -                | -                | -                | -              | -                | -                |
| Teteo Supply 28          | 310,000          | -                | -                | -                | -                | -                | -                | -              | -                | -                |
| Teteo Supply 29          | -                | -                | -                | -                | -                | -                | -                | -              | -                | -                |
| Teteo Supply 30          | -                | -                | -                | -                | -                | -                | -                | -              | -                | -                |
| Teteo Supply 31          | 155,000          | -                | -                | -                | -                | -                | -                | -              | -                | -                |
| <b>Total Volumes</b>     | <b>5,931,980</b> | <b>6,598,753</b> | <b>6,023,754</b> | <b>4,213,140</b> | <b>3,886,893</b> | <b>2,167,731</b> | <b>1,271,958</b> | <b>957,124</b> | <b>3,073,903</b> | <b>3,224,470</b> |

Philadelphia Gas Works  
Forecasted Summary of Total Fuel Purchased  
January 2017-August 2018

Schedule 3  
Item 53.84(C)(1)

Volumes (Dth)

|                          | 11/1/2017: Nov   | 12/1/2017: Dec   | 1/1/2018: Jan    | 2/1/2018: Feb    | 3/1/2018: Mar    | 4/1/2018: Apr    | 5/1/2018: May    | 6/1/2018: Jun    | 7/1/2018: Jul  | 8/1/2018: Aug  |
|--------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|----------------|----------------|
| Spot Purchases - Transco | 1,086,610        | 1,754,751        | 1,899,367        | 2,107,827        | 1,555,559        | 609,485          | 86,352           | -                | -              | -              |
| Spot Purchases - Teco    | 2,298,991        | 3,111,529        | 3,223,383        | 2,910,668        | 2,969,767        | 1,746,613        | 1,652,598        | 1,297,816        | 738,357        | 736,222        |
| Transco Supply 1         | -                | -                | -                | -                | -                | -                | -                | -                | -              | -              |
| Transco Supply 2         | -                | -                | -                | -                | -                | -                | -                | -                | -              | -              |
| Transco Supply 3         | -                | -                | -                | -                | -                | -                | -                | -                | -              | -              |
| Transco Supply 4         | -                | -                | -                | -                | -                | -                | -                | -                | -              | -              |
| Transco Supply 5         | -                | -                | -                | -                | -                | -                | -                | -                | -              | -              |
| Transco Supply 6         | -                | -                | -                | -                | -                | -                | -                | -                | -              | -              |
| Transco Supply 7         | -                | -                | -                | -                | -                | -                | -                | -                | -              | -              |
| Transco Supply 8         | 426,146          | 598,053          | 604,622          | 560,000          | 580,836          | 532,694          | 571,055          | 530,315          | 4,104          | 3,962          |
| Transco Supply 9         | -                | -                | -                | -                | -                | -                | -                | -                | -              | -              |
| Transco Supply 10        | -                | -                | -                | -                | -                | -                | -                | -                | -              | -              |
| Transco Supply 11        | -                | -                | -                | -                | -                | -                | -                | -                | -              | -              |
| Transco Supply 12        | -                | -                | -                | -                | -                | -                | -                | -                | -              | -              |
| Transco Supply 13        | -                | -                | -                | -                | -                | -                | -                | -                | -              | -              |
| Transco Supply 14        | -                | -                | -                | -                | -                | -                | -                | -                | -              | -              |
| Transco Supply 15        | -                | -                | -                | -                | -                | -                | -                | -                | -              | -              |
| Transco Supply 16        | -                | -                | -                | -                | -                | -                | -                | -                | -              | -              |
| Transco Supply 17        | -                | -                | -                | -                | -                | -                | -                | -                | -              | -              |
| Transco Supply 18        | -                | -                | -                | -                | -                | -                | -                | -                | -              | -              |
| Transco Supply 19        | -                | -                | -                | -                | -                | -                | -                | -                | -              | -              |
| Transco Supply 20        | -                | -                | -                | -                | -                | -                | -                | -                | -              | -              |
| Transco Supply 21        | -                | -                | -                | -                | -                | -                | -                | -                | -              | -              |
| Transco Supply 22        | 660,254          | 663,942          | 738,653          | 693,785          | 617,552          | 600,104          | 271,583          | 32,773           | 283            | 425            |
| Transco Supply 23        | -                | -                | -                | -                | -                | -                | -                | -                | -              | -              |
| Transco Supply 24        | -                | -                | -                | -                | -                | -                | -                | -                | -              | -              |
| Transco Supply 25        | -                | -                | -                | -                | -                | -                | -                | -                | -              | -              |
| Transco Supply 26        | -                | -                | -                | -                | -                | -                | -                | -                | -              | -              |
| Transco Supply 27        | -                | -                | -                | -                | -                | -                | -                | -                | -              | -              |
| Transco Supply 28        | -                | -                | -                | -                | -                | -                | -                | -                | -              | -              |
| Transco Supply 29        | -                | -                | -                | -                | -                | -                | -                | -                | -              | -              |
| Transco Supply 30        | -                | -                | -                | -                | -                | -                | -                | -                | -              | -              |
| Transco Supply 31        | -                | -                | -                | -                | -                | -                | -                | -                | -              | -              |
| Transco Supply 32        | -                | -                | -                | -                | -                | -                | -                | -                | -              | -              |
| Teco Supply 1            | -                | -                | -                | -                | -                | -                | -                | -                | -              | -              |
| Teco Supply 2            | -                | -                | -                | -                | -                | -                | -                | -                | -              | -              |
| Teco Supply 3            | -                | -                | -                | -                | -                | -                | -                | -                | -              | -              |
| Teco Supply 4            | -                | -                | -                | -                | -                | -                | -                | -                | -              | -              |
| Teco Supply 5            | -                | -                | -                | -                | -                | -                | -                | -                | -              | -              |
| Teco Supply 6            | -                | -                | -                | -                | -                | -                | -                | -                | -              | -              |
| Teco Supply 7            | -                | -                | -                | -                | -                | -                | -                | -                | -              | -              |
| Teco Supply 8            | -                | -                | -                | -                | -                | -                | -                | -                | -              | -              |
| Teco Supply 9            | -                | -                | -                | -                | -                | -                | -                | -                | -              | -              |
| Teco Supply 10           | -                | -                | -                | -                | -                | -                | -                | -                | -              | -              |
| Teco Supply 11           | -                | -                | -                | -                | -                | -                | -                | -                | -              | -              |
| Teco Supply 12           | -                | -                | -                | -                | -                | -                | -                | -                | -              | -              |
| Teco Supply 13           | -                | -                | -                | -                | -                | -                | -                | -                | -              | -              |
| Teco Supply 14           | -                | -                | -                | -                | -                | -                | -                | -                | -              | -              |
| Teco Supply 15           | -                | -                | -                | -                | -                | -                | -                | -                | -              | -              |
| Teco Supply 16           | -                | -                | -                | -                | -                | -                | -                | -                | -              | -              |
| Teco Supply 17           | -                | -                | -                | -                | -                | -                | -                | -                | -              | -              |
| Teco Supply 18           | -                | -                | -                | -                | -                | -                | -                | -                | -              | -              |
| Teco Supply 19           | -                | -                | -                | -                | -                | -                | -                | -                | -              | -              |
| Teco Supply 20           | -                | -                | -                | -                | -                | -                | -                | -                | -              | -              |
| Teco Supply 21           | -                | -                | -                | -                | -                | -                | -                | -                | -              | -              |
| Teco Supply 22           | -                | -                | -                | -                | -                | -                | -                | -                | -              | -              |
| Teco Supply 23           | -                | -                | -                | -                | -                | -                | -                | -                | -              | -              |
| Teco Supply 24           | 170,000          | 198,501          | 155,000          | 140,000          | 209,536          | 241,829          | 210,361          | 150,000          | 165,000        | 165,000        |
| Teco Supply 25           | 225,000          | 50,000           | -                | -                | 100,000          | 176,313          | 125,000          | -                | 50,000         | 50,000         |
| Teco Supply 26           | -                | -                | -                | -                | -                | -                | -                | -                | -              | -              |
| Teco Supply 27           | -                | -                | -                | -                | -                | -                | -                | -                | -              | -              |
| Teco Supply 28           | -                | -                | -                | -                | -                | -                | -                | -                | -              | -              |
| Teco Supply 29           | -                | -                | -                | -                | -                | -                | -                | -                | -              | -              |
| Teco Supply 30           | -                | -                | -                | -                | -                | -                | -                | -                | -              | -              |
| Teco Supply 31           | -                | -                | -                | -                | -                | -                | -                | -                | -              | -              |
| <b>Total Volumes</b>     | <b>4,867,002</b> | <b>6,376,576</b> | <b>6,621,025</b> | <b>6,412,280</b> | <b>6,033,250</b> | <b>3,907,039</b> | <b>2,916,949</b> | <b>2,010,903</b> | <b>957,744</b> | <b>955,609</b> |

Philadelphia Gas Works  
Forecasted Summary of Total Gas Purchased  
January 2017 - December 2017

|                          | 1/1/2017: Jan | 2/1/2017: Feb | 3/1/2017: Mar | 4/1/2017: Apr | 5/1/2017: May | 6/1/2017: Jun | 7/1/2017: Jul | 8/1/2017: Aug | 9/1/2017: Sep | 10/1/2017: Oct |
|--------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|
| Williams                 | \$ 2,650,108  | \$ 2,656,812  | \$ 2,536,102  | \$ 2,483,042  | \$ 2,472,108  | \$ 2,449,141  | \$ 2,395,640  | \$ 2,395,111  | \$ 2,472,001  | \$ 2,461,892   |
| Texas Eastern            | \$ 2,520,975  | \$ 2,508,293  | \$ 2,485,211  | \$ 2,029,334  | \$ 2,034,623  | \$ 1,984,397  | \$ 1,948,965  | \$ 1,933,682  | \$ 2,143,710  | \$ 2,105,624   |
| Dominion                 | \$ 132,930    | \$ 127,900    | \$ 123,127    | \$ 129,005    | \$ 138,739    | \$ 135,488    | \$ 128,816    | \$ 120,575    | \$ 135,488    | \$ 127,932     |
| Spot Purchases - Transco | \$ 170,288    | \$ 6,868,063  | \$ 4,433,499  | \$ 2,033,486  | \$ 975,208    | \$ 879        | \$ 919        | \$ 920        | \$ 886        | \$ 562,817     |
| Spot Purchases - Tecto   | \$ 252,240    | \$ 8,071,944  | \$ 8,929,672  | \$ 5,905,647  | \$ 5,934,042  | \$ 4,130,259  | \$ 3,314,838  | \$ 2,198,182  | \$ 6,644,264  | \$ 6,190,041   |
| Transco Supply 1         | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Transco Supply 2         | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Transco Supply 3         | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Transco Supply 4         | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Transco Supply 5         | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Transco Supply 6         | \$ 604,112    | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Transco Supply 7         | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Transco Supply 8         | \$ 2,370,000  | \$ 1,914,640  | \$ 1,740,837  | \$ 2,009,085  | \$ 1,865,789  | \$ 1,985,540  | \$ 24,405     | \$ 23,808     | \$ 1,931,280  | \$ 1,720,760   |
| Transco Supply 9         | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Transco Supply 10        | \$ 1,106,700  | \$ 999,600    | \$ 1,106,700  | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Transco Supply 11        | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Transco Supply 12        | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Transco Supply 13        | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Transco Supply 14        | \$ 599,850    | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Transco Supply 15        | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Transco Supply 16        | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Transco Supply 17        | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Transco Supply 18        | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Transco Supply 19        | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Transco Supply 20        | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Transco Supply 21        | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Transco Supply 22        | \$ 2,203,000  | \$ 2,313,690  | \$ 2,038,200  | \$ 2,150,095  | \$ 1,373,354  | \$ 123,728    | \$ 8,357      | \$ 8,964      | \$ 588,815    | \$ 1,137,146   |
| Transco Supply 23        | \$ 604,112    | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Transco Supply 24        | \$ 1,207,450  | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Transco Supply 25        | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Transco Supply 26        | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Transco Supply 27        | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Transco Supply 28        | \$ 1,212,100  | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Transco Supply 29        | \$ 602,950    | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Transco Supply 30        | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Transco Supply 31        | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Transco Supply 32        | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Tecto Supply 1           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Tecto Supply 2           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Tecto Supply 3           | \$ 592,100    | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Tecto Supply 4           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Tecto Supply 5           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Tecto Supply 6           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Tecto Supply 7           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Tecto Supply 8           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Tecto Supply 9           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Tecto Supply 10          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Tecto Supply 11          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Tecto Supply 12          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Tecto Supply 13          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Tecto Supply 14          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Tecto Supply 15          | \$ 1,054,775  | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Tecto Supply 16          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Tecto Supply 17          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Tecto Supply 18          | \$ 592,875    | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Tecto Supply 19          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Tecto Supply 20          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Tecto Supply 21          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Tecto Supply 22          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Tecto Supply 23          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Tecto Supply 24          | \$ 2,116,560  | \$ 439,660    | \$ 353,070    | \$ 794,348    | \$ 1,168,685  | \$ 442,960    | \$ 463,875    | \$ 494,035    | \$ 533,270    | \$ 551,360     |
| Tecto Supply 25          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Tecto Supply 26          | \$ 2,435,237  | \$ 367,375    | \$ 178,620    | \$ 212,868    | \$ 557,399    | \$ -          | \$ -          | \$ 149,250    | \$ 157,757    | \$ 289,072     |
| Tecto Supply 27          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Tecto Supply 28          | \$ 1,057,100  | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Tecto Supply 29          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Tecto Supply 30          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Tecto Supply 31          | \$ 593,650    | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| FT PAYBACK ADJUSTI       | \$ 24,679,113 | \$ 26,267,976 | \$ 23,925,039 | \$ 17,746,908 | \$ 16,296,338 | \$ 11,028,782 | \$ 223,610    | \$ 223,610    | \$ 14,607,471 | \$ 15,146,643  |
| Total Costs              | \$ 24,679,113 | \$ 26,267,976 | \$ 23,925,039 | \$ 17,746,908 | \$ 16,296,338 | \$ 11,028,782 | \$ 223,610    | \$ 223,610    | \$ 14,607,471 | \$ 15,146,643  |

Philadelphia Gas Works  
Forecasted Summary of Total Fuel Purchased  
January 2017-August 2018

Schedule 3  
Item 55.64(C)(1)

|                        | 11/1/2017: Nov | 12/1/2017: Dec | 1/1/2018: Jan | 2/1/2018: Feb | 3/1/2018: Mar | 4/1/2018: Apr | 5/1/2018: May | 6/1/2018: Jun | 7/1/2018: Jul | 8/1/2018: Aug |
|------------------------|----------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Williams               | \$ 2,525,609   | \$ 2,613,230   | \$ 2,665,581  | \$ 2,643,114  | \$ 2,528,553  | \$ 2,477,147  | \$ 2,456,146  | \$ 2,440,331  | \$ 2,391,043  | \$ 2,390,681  |
| Texas Eastern          | \$ 2,441,852   | \$ 2,491,583   | \$ 2,495,574  | \$ 2,501,725  | \$ 2,479,083  | \$ 2,008,107  | \$ 1,982,330  | \$ 1,973,803  | \$ 1,930,623  | \$ 1,930,129  |
| Dominion               | \$ 120,435     | \$ 125,594     | \$ 135,799    | \$ 131,488    | \$ 123,162    | \$ 129,761    | \$ 137,317    | \$ 134,241    | \$ 120,542    | \$ 120,542    |
| Spot Purchases - Tecto | \$ 3,787,922   | \$ 6,317,102   | \$ 6,999,167  | \$ 7,676,707  | \$ 5,526,902  | \$ 1,799,200  | \$ 248,868    | \$ -          | \$ -          | \$ -          |
| Spot Purchases - Tecto | \$ 7,324,587   | \$ 10,267,387  | \$ 10,911,152 | \$ 9,727,451  | \$ 9,660,652  | \$ 4,632,019  | \$ 4,267,007  | \$ 3,375,618  | \$ 1,935,235  | \$ 1,923,748  |
| Transco Supply 1       | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Transco Supply 2       | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Transco Supply 3       | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Transco Supply 4       | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Transco Supply 5       | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Transco Supply 6       | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Transco Supply 7       | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Transco Supply 8       | \$ 1,495,807   | \$ 2,165,173   | \$ 2,240,279  | \$ 2,050,720  | \$ 2,075,718  | \$ 1,583,840  | \$ 1,657,692  | \$ 1,549,746  | \$ 18,228     | \$ 17,782     |
| Transco Supply 9       | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Transco Supply 10      | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Transco Supply 11      | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Transco Supply 12      | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Transco Supply 13      | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Transco Supply 14      | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Transco Supply 15      | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Transco Supply 16      | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Transco Supply 17      | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Transco Supply 18      | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Transco Supply 19      | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Transco Supply 20      | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Transco Supply 21      | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Transco Supply 22      | \$ 2,315,749   | \$ 2,404,581   | \$ 2,737,074  | \$ 2,540,703  | \$ 2,208,088  | \$ 1,785,008  | \$ 793,167    | \$ 102,903    | \$ 8,580      | \$ 8,991      |
| Transco Supply 23      | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Transco Supply 24      | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Transco Supply 25      | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Transco Supply 26      | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Transco Supply 27      | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Transco Supply 28      | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Transco Supply 29      | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Transco Supply 30      | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Transco Supply 31      | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Transco Supply 32      | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Tecto Supply 1         | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Tecto Supply 2         | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Tecto Supply 3         | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Tecto Supply 4         | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Tecto Supply 5         | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Tecto Supply 6         | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Tecto Supply 7         | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Tecto Supply 8         | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Tecto Supply 9         | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Tecto Supply 10        | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Tecto Supply 11        | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Tecto Supply 12        | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Tecto Supply 13        | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Tecto Supply 14        | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Tecto Supply 15        | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Tecto Supply 16        | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Tecto Supply 17        | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Tecto Supply 18        | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Tecto Supply 19        | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Tecto Supply 20        | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Tecto Supply 21        | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Tecto Supply 22        | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Tecto Supply 23        | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Tecto Supply 24        | \$ 543,130     | \$ 656,562     | \$ 526,185    | \$ 469,390    | \$ 683,131    | \$ 642,842    | \$ 544,663    | \$ 391,660    | \$ 433,975    | \$ 432,655    |
| Tecto Supply 25        | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Tecto Supply 26        | \$ 716,850     | \$ 165,000     | \$ -          | \$ -          | \$ 325,300    | \$ 467,583    | \$ 322,750    | \$ -          | \$ 131,050    | \$ 130,650    |
| Tecto Supply 27        | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Tecto Supply 28        | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Tecto Supply 29        | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Tecto Supply 30        | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Tecto Supply 31        | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| FT PAYBACK ADJUSTI     | \$ 21,271,941  | \$ 27,206,213  | \$ 28,710,810 | \$ 27,741,297 | \$ 25,610,589 | \$ 15,525,507 | \$ 12,100,666 | \$ 309,274    | \$ 309,274    | \$ 309,274    |
| Total Costs            | \$ 21,271,941  | \$ 27,206,213  | \$ 28,710,810 | \$ 27,741,297 | \$ 25,610,589 | \$ 15,525,507 | \$ 12,100,666 | \$ 309,274    | \$ 309,274    | \$ 309,274    |
|                        |                |                |               |               |               |               |               | \$ 9,659,028  | \$ 6,660,002  | \$ 6,645,904  |

Philadelphia Gas Works  
 Forecasted Summary of Total Fuel Purchased  
 January 2017-August 2018

Schedule 3  
 item 53.64(c)(1)

Cost of Natural Gas

| Suppliers              | 1/1/2017: Jan | 2/1/2017: Feb | 3/1/2017: Mar | 4/1/2017: Apr | 5/1/2017: May | 6/1/2017: Jun | 7/1/2017: Jul | 8/1/2017: Aug | 9/1/2017: Sep | 10/1/2017: Oct |
|------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|
| TR Spot                | \$ 170,288    | \$ 6,868,063  | \$ 4,433,499  | \$ 2,033,486  | \$ 975,208    | \$ 879        | \$ 919        | \$ 920        | \$ 886        | \$ 562,817     |
| Supplier 1             | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Supplier 2             | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Supplier 3             | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Supplier 4             | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Supplier 5             | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Supplier 6             | \$ 604,112    | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Supplier 7             | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Supplier 8             | \$ 2,370,000  | \$ 1,914,640  | \$ 1,740,837  | \$ 2,009,085  | \$ 1,865,789  | \$ 1,985,540  | \$ 24,405     | \$ 23,808     | \$ 1,931,280  | \$ 1,720,760   |
| Supplier 9             | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Supplier 10            | \$ 1,106,700  | \$ 999,600    | \$ 1,106,700  | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Supplier 11            | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Supplier 12            | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Supplier 13            | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Supplier 14            | \$ 599,850    | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Supplier 15            | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Supplier 16            | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Supplier 17            | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Supplier 18            | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Supplier 19            | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Supplier 20            | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Supplier 21            | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Supplier 22            | \$ 2,203,000  | \$ 2,313,690  | \$ 2,038,200  | \$ 2,150,095  | \$ 1,373,354  | \$ 123,728    | \$ 8,357      | \$ 8,964      | \$ 588,815    | \$ 1,137,146   |
| Supplier 23            | \$ 604,112    | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Supplier 24            | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Supplier 25            | \$ 1,207,450  | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Supplier 26            | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Supplier 27            | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Supplier 28            | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Supplier 29            | \$ 1,212,100  | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Supplier 30            | \$ 602,950    | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Supplier 31            | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Supplier 32            | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| <b>Total Suppliers</b> | \$ 10,680,563 | \$ 12,095,993 | \$ 9,319,236  | \$ 6,192,665  | \$ 4,214,351  | \$ 2,110,147  | \$ 33,681     | \$ 33,692     | \$ 2,520,980  | \$ 3,420,723   |

Transportation Costs

|                    |               |               |              |              |              |              |           |           |              |              |
|--------------------|---------------|---------------|--------------|--------------|--------------|--------------|-----------|-----------|--------------|--------------|
| Tr Spot            | \$ 121,192    | \$ 131,113    | \$ 101,445   | \$ 64,730    | \$ 36,941    | \$ 20,923    | \$ 187    | \$ 187    | \$ 24,842    | \$ 34,250    |
| Williams Total     | \$ 121,192    | \$ 131,113    | \$ 101,445   | \$ 64,730    | \$ 36,941    | \$ 20,923    | \$ 187    | \$ 187    | \$ 24,842    | \$ 34,250    |
| <b>Total Costs</b> | \$ 10,801,755 | \$ 12,227,106 | \$ 9,420,681 | \$ 6,257,395 | \$ 4,251,292 | \$ 2,131,070 | \$ 33,868 | \$ 33,879 | \$ 2,545,823 | \$ 3,454,973 |

March 2017

Philadelphia Gas Works  
 Forecasted Summary of Total Fuel Purchased  
 January 2017-August 2018

Schedule 3  
 item 53.64(c)(1)

Cost of Natural Gas

| Suppliers              | 11/1/2017: Nov | 12/1/2017: Dec | 1/1/2018: Jan | 2/1/2018: Feb | 3/1/2018: Mar | 4/1/2018: Apr | 5/1/2018: May | 6/1/2018: Jun | 7/1/2018: Jul | 8/1/2018: Aug |
|------------------------|----------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| TR Spot                | \$ 3,787,922   | \$ 6,317,102   | \$ 6,999,167  | \$ 7,676,707  | \$ 5,526,902  | \$ 1,799,200  | \$ 248,868    | \$ -          | \$ -          | \$ -          |
| Supplier 1             | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Supplier 2             | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Supplier 3             | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Supplier 4             | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Supplier 5             | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Supplier 6             | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Supplier 7             | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Supplier 8             | \$ 1,495,807   | \$ 2,165,173   | \$ 2,240,279  | \$ 2,050,720  | \$ 2,075,718  | \$ 1,583,840  | \$ 1,657,692  | \$ 1,549,746  | \$ 18,228     | \$ 17,782     |
| Supplier 9             | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Supplier 10            | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Supplier 11            | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Supplier 12            | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Supplier 13            | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Supplier 14            | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Supplier 15            | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Supplier 16            | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Supplier 17            | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Supplier 18            | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Supplier 19            | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Supplier 20            | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Supplier 21            | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Supplier 22            | \$ 2,315,749   | \$ 2,404,581   | \$ 2,737,074  | \$ 2,540,703  | \$ 2,208,088  | \$ 1,785,008  | \$ 793,167    | \$ 102,903    | \$ 8,580      | \$ 8,991      |
| Supplier 23            | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Supplier 24            | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Supplier 25            | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Supplier 26            | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Supplier 27            | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Supplier 28            | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Supplier 29            | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Supplier 30            | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Supplier 31            | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Supplier 32            | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| <b>Total Suppliers</b> | \$ 7,599,477   | \$ 10,886,856  | \$ 11,976,519 | \$ 12,268,130 | \$ 9,810,708  | \$ 5,168,048  | \$ 2,699,726  | \$ 1,652,649  | \$ 26,808     | \$ 26,773     |

Transportation Costs

|                    |              |               |               |               |              |              |              |              |           |           |
|--------------------|--------------|---------------|---------------|---------------|--------------|--------------|--------------|--------------|-----------|-----------|
| Tr Spot            | \$ 78,126    | \$ 109,387    | \$ 132,109    | \$ 122,466    | \$ 99,684    | \$ 63,924    | \$ 31,977    | \$ 19,185    | \$ 149    | \$ 149    |
| Williams Total     | \$ 78,126    | \$ 109,387    | \$ 132,109    | \$ 122,466    | \$ 99,684    | \$ 63,924    | \$ 31,977    | \$ 19,185    | \$ 149    | \$ 149    |
| <b>Total Costs</b> | \$ 7,677,603 | \$ 10,996,243 | \$ 12,108,628 | \$ 12,390,596 | \$ 9,910,392 | \$ 5,231,972 | \$ 2,731,703 | \$ 1,671,834 | \$ 26,957 | \$ 26,922 |

March 2017

Philadelphia Gas Works  
 Forecasted Summary of Total Fuel Purchased  
 January 2017-August 2018

Schedule 3  
 item 53.64(c)(1)

**Volumes (Dth)**

| <b>Suppliers</b>     | <b>1/1/2017: Jan</b> | <b>2/1/2017: Feb</b> | <b>3/1/2017: Mar</b> | <b>4/1/2017: Apr</b> | <b>5/1/2017: May</b> | <b>6/1/2017: Jun</b> | <b>7/1/2017: Jul</b> | <b>8/1/2017: Aug</b> | <b>9/1/2017: Sep</b> | <b>10/1/2017: Oct</b> |
|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|-----------------------|
| TR Spot              | 47,901               | 2,020,613            | 1,313,240            | 604,484              | 290,154              | 258                  | 267                  | 267                  | 258                  | 163,515               |
| Supplier 1           | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                     |
| Supplier 2           | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                     |
| Supplier 3           | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                     |
| Supplier 4           | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                     |
| Supplier 5           | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                     |
| Supplier 6           | 155,000              | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                     |
| Supplier 7           | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                     |
| Supplier 8           | 755,000              | 560,000              | 512,297              | 593,682              | 551,643              | 580,000              | 5,272                | 5,096                | 560,000              | 496,686               |
| Supplier 9           | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                     |
| Supplier 10          | 310,000              | 280,000              | 310,000              | -                    | -                    | -                    | -                    | -                    | -                    | -                     |
| Supplier 11          | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                     |
| Supplier 12          | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                     |
| Supplier 13          | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                     |
| Supplier 14          | 155,000              | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                     |
| Supplier 15          | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                     |
| Supplier 16          | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                     |
| Supplier 17          | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                     |
| Supplier 18          | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                     |
| Supplier 19          | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                     |
| Supplier 20          | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                     |
| Supplier 21          | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                     |
| Supplier 22          | 750,000              | 676,647              | 599,660              | 635,031              | 405,104              | 34,055               | 176                  | 351                  | 169,085              | 327,171               |
| Supplier 23          | 155,000              | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                     |
| Supplier 24          | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                     |
| Supplier 25          | 310,000              | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                     |
| Supplier 26          | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                     |
| Supplier 27          | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                     |
| Supplier 28          | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                     |
| Supplier 29          | 310,000              | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                     |
| Supplier 30          | 155,000              | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                     |
| Supplier 31          | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                     |
| Supplier 32          | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                     |
| <b>Total Volumes</b> | <b>3,102,901</b>     | <b>3,537,260</b>     | <b>2,735,197</b>     | <b>1,833,198</b>     | <b>1,246,901</b>     | <b>614,313</b>       | <b>5,715</b>         | <b>5,715</b>         | <b>729,343</b>       | <b>987,372</b>        |

Philadelphia Gas Works  
 Forecasted Summary of Total Fuel Purchased  
 January 2017-August 2018

Schedule 3  
 item 53.64(c)(1)

Volumes (Dth)

| Suppliers            | 11/1/2017: Nov   | 12/1/2017: Dec   | 1/1/2018: Jan    | 2/1/2018: Feb    | 3/1/2018: Mar    | 4/1/2018: Apr    | 5/1/2018: May  | 6/1/2018: Jun  | 7/1/2018: Jul | 8/1/2018: Aug |
|----------------------|------------------|------------------|------------------|------------------|------------------|------------------|----------------|----------------|---------------|---------------|
| TR Spot              | 1,086,610        | 1,754,751        | 1,899,367        | 2,107,827        | 1,555,559        | 609,485          | 86,352         | -              | -             | -             |
| Supplier 1           | -                | -                | -                | -                | -                | -                | -              | -              | -             | -             |
| Supplier 2           | -                | -                | -                | -                | -                | -                | -              | -              | -             | -             |
| Supplier 3           | -                | -                | -                | -                | -                | -                | -              | -              | -             | -             |
| Supplier 4           | -                | -                | -                | -                | -                | -                | -              | -              | -             | -             |
| Supplier 5           | -                | -                | -                | -                | -                | -                | -              | -              | -             | -             |
| Supplier 6           | -                | -                | -                | -                | -                | -                | -              | -              | -             | -             |
| Supplier 7           | -                | -                | -                | -                | -                | -                | -              | -              | -             | -             |
| Supplier 8           | 426,146          | 598,053          | 604,622          | 560,000          | 580,836          | 532,694          | 571,055        | 530,315        | 4,104         | 3,962         |
| Supplier 9           | -                | -                | -                | -                | -                | -                | -              | -              | -             | -             |
| Supplier 10          | -                | -                | -                | -                | -                | -                | -              | -              | -             | -             |
| Supplier 11          | -                | -                | -                | -                | -                | -                | -              | -              | -             | -             |
| Supplier 12          | -                | -                | -                | -                | -                | -                | -              | -              | -             | -             |
| Supplier 13          | -                | -                | -                | -                | -                | -                | -              | -              | -             | -             |
| Supplier 14          | -                | -                | -                | -                | -                | -                | -              | -              | -             | -             |
| Supplier 15          | -                | -                | -                | -                | -                | -                | -              | -              | -             | -             |
| Supplier 16          | -                | -                | -                | -                | -                | -                | -              | -              | -             | -             |
| Supplier 17          | -                | -                | -                | -                | -                | -                | -              | -              | -             | -             |
| Supplier 18          | -                | -                | -                | -                | -                | -                | -              | -              | -             | -             |
| Supplier 19          | -                | -                | -                | -                | -                | -                | -              | -              | -             | -             |
| Supplier 20          | -                | -                | -                | -                | -                | -                | -              | -              | -             | -             |
| Supplier 21          | -                | -                | -                | -                | -                | -                | -              | -              | -             | -             |
| Supplier 22          | 660,254          | 663,942          | 738,653          | 693,785          | 617,552          | 600,104          | 271,583        | 32,773         | 283           | 425           |
| Supplier 23          | -                | -                | -                | -                | -                | -                | -              | -              | -             | -             |
| Supplier 24          | -                | -                | -                | -                | -                | -                | -              | -              | -             | -             |
| Supplier 25          | -                | -                | -                | -                | -                | -                | -              | -              | -             | -             |
| Supplier 26          | -                | -                | -                | -                | -                | -                | -              | -              | -             | -             |
| Supplier 27          | -                | -                | -                | -                | -                | -                | -              | -              | -             | -             |
| Supplier 28          | -                | -                | -                | -                | -                | -                | -              | -              | -             | -             |
| Supplier 29          | -                | -                | -                | -                | -                | -                | -              | -              | -             | -             |
| Supplier 30          | -                | -                | -                | -                | -                | -                | -              | -              | -             | -             |
| Supplier 31          | -                | -                | -                | -                | -                | -                | -              | -              | -             | -             |
| Supplier 32          | -                | -                | -                | -                | -                | -                | -              | -              | -             | -             |
| <b>Total Volumes</b> | <b>2,173,010</b> | <b>3,016,746</b> | <b>3,242,642</b> | <b>3,361,612</b> | <b>2,753,947</b> | <b>1,742,283</b> | <b>928,990</b> | <b>563,088</b> | <b>4,387</b>  | <b>4,387</b>  |



Philadelphia Gas Works  
 Forecasted Summary of Total Fuel Purchased  
 January 2017-August 2018

Schedule 3  
 Item 53.64(c)(1)

|  | 1/1/2017: Jan   | 2/1/2017: Feb   | 3/1/2017: Mar   | 4/1/2017: Apr   | 5/1/2017: May   | 6/1/2017: Jun   | 7/1/2017: Jul   | 8/1/2017: Aug   | 9/1/2017: Sep   | 10/1/2017: Oct |
|--|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|----------------|
| <b>WSS</b>                                       |                 |                 |                 |                 |                 |                 |                 |                 |                 |                |
| Injection  | \$ 94 \$        | \$ - \$         | \$ - \$         | \$ 2 \$         | 2,940 \$        | 4 \$            | 4 \$            | 4 \$            | 4 \$            | 3              |
| Withdrawal                                       | \$ 3,047 \$     | \$ - \$         | \$ - \$         | \$ - \$         | \$ - \$         | \$ - \$         | \$ - \$         | \$ - \$         | \$ - \$         | \$ - \$        |
| Demand Charges                                   | \$ 54,699 \$    | \$ 54,699 \$    | \$ 54,699 \$    | \$ 54,699 \$    | \$ 54,699 \$    | \$ 54,699 \$    | \$ 54,699 \$    | \$ 54,699 \$    | \$ 54,699 \$    | \$ 54,699 \$   |
| Total Charges                                    | \$ 57,840 \$    | \$ 54,699 \$    | \$ 54,699 \$    | \$ 54,700 \$    | \$ 57,638 \$    | \$ 54,702 \$    | \$ 54,702 \$    | \$ 54,702 \$    | \$ 54,702 \$    | \$ 54,702 \$   |
| <b>S2</b>  |                 |                 |                 |                 |                 |                 |                 |                 |                 |                |
| Injection  | \$ - \$         | \$ - \$         | \$ - \$         | \$ 997 \$       | 3,336 \$        | 11 \$           | 12 \$           | 12 \$           | 3,197 \$        | 9              |
| Withdrawal                                       | \$ 4,939 \$     | \$ 616 \$       | \$ - \$         | \$ - \$         | \$ - \$         | \$ - \$         | \$ - \$         | \$ - \$         | \$ - \$         | \$ - \$        |
| Demand Charges                                   | \$ 27,749 \$    | \$ 27,749 \$    | \$ 27,749 \$    | \$ 27,749 \$    | \$ 27,749 \$    | \$ 27,749 \$    | \$ 27,749 \$    | \$ 27,749 \$    | \$ 27,749 \$    | \$ 27,749 \$   |
| Total Charges                                    | \$ 32,688 \$    | \$ 28,365 \$    | \$ 27,749 \$    | \$ 28,745 \$    | \$ 31,085 \$    | \$ 27,760 \$    | \$ 27,760 \$    | \$ 27,760 \$    | \$ 30,945 \$    | \$ 27,758      |
| <b>GSS</b>                                       |                 |                 |                 |                 |                 |                 |                 |                 |                 |                |
| Injection  | \$ 342 \$       | \$ - \$         | \$ - \$         | \$ 17,351 \$    | 32,734 \$       | 29,188 \$       | 242 \$          | 242 \$          | 29,188 \$       | 15,980         |
| Withdrawal                                       | \$ 34,842 \$    | \$ 32,669 \$    | \$ 9,146 \$     | \$ - \$         | \$ - \$         | \$ - \$         | \$ - \$         | \$ - \$         | \$ - \$         | \$ - \$        |
| Demand Charges                                   | \$ 255,277 \$   | \$ 255,277 \$   | \$ 255,277 \$   | \$ 255,277 \$   | \$ 255,277 \$   | \$ 255,277 \$   | \$ 255,277 \$   | \$ 255,277 \$   | \$ 255,277 \$   | \$ 255,277 \$  |
| Total Charges                                    | \$ 290,461 \$   | \$ 287,946 \$   | \$ 264,423 \$   | \$ 272,627 \$   | \$ 288,010 \$   | \$ 284,464 \$   | \$ 255,518 \$   | \$ 255,518 \$   | \$ 284,464 \$   | \$ 271,257     |
| <b>Total Injection Charges</b>                   | \$ 436 \$       | \$ - \$         | \$ - \$         | \$ 18,349 \$    | 39,010 \$       | 29,203 \$       | 257 \$          | 257 \$          | 32,388 \$       | 15,993         |
| <b>Total Withdrawal Charges:</b>                 | \$ 42,829 \$    | \$ 33,286 \$    | \$ 9,146 \$     | \$ - \$         | \$ - \$         | \$ - \$         | \$ - \$         | \$ - \$         | \$ - \$         | \$ - \$        |
| <b>Total Demand Charges</b>                      | \$ 337,724 \$   | \$ 337,724 \$   | \$ 337,724 \$   | \$ 337,724 \$   | \$ 337,724 \$   | \$ 337,724 \$   | \$ 337,724 \$   | \$ 337,724 \$   | \$ 337,724 \$   | \$ 337,724 \$  |
| <b>Total Storage</b>                             | \$ 380,989 \$   | \$ 371,009 \$   | \$ 346,870 \$   | \$ 356,073 \$   | \$ 376,734 \$   | \$ 366,926 \$   | \$ 337,981 \$   | \$ 337,981 \$   | \$ 370,112 \$   | \$ 353,717     |
| <b>Forecasted Summary of Firm Transportation</b> |                 |                 |                 |                 |                 |                 |                 |                 |                 |                |
| Demand Charges                                   | \$ 2,222,811 \$ | \$ 2,222,326 \$ | \$ 2,162,684 \$ | \$ 2,162,198 \$ | \$ 2,161,725 \$ | \$ 2,161,251 \$ | \$ 2,160,764 \$ | \$ 2,160,235 \$ | \$ 2,159,817 \$ | \$ 2,159,441   |
| Capacity Release Credit                          | \$ (74,884) \$  | \$ (67,637) \$  | \$ (74,896) \$  | \$ (99,960) \$  | \$ (103,292) \$ | \$ (99,960) \$  | \$ (103,292) \$ | \$ (103,292) \$ | \$ (82,770) \$  | \$ (85,516)    |
| <b>Net Demand Charge</b>                         | \$ 2,147,927 \$ | \$ 2,154,689 \$ | \$ 2,087,788 \$ | \$ 2,062,238 \$ | \$ 2,058,433 \$ | \$ 2,061,291 \$ | \$ 2,057,472 \$ | \$ 2,056,943 \$ | \$ 2,077,047 \$ | \$ 2,073,925   |

Philadelphia Gas Works  
 Forecasted Summary of Total Fuel Purchased  
 January 2017-August 2018

Schedule 3  
 item 53.64(c)(1)

|                                 | 11/1/2017: Nov | 12/1/2017: Dec | 1/1/2018: Jan | 2/1/2018: Feb | 3/1/2018: Mar | 4/1/2018: Apr | 5/1/2018: May | 6/1/2018: Jun | 7/1/2018: Jul | 8/1/2018: Aug |
|---------------------------------|----------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| <b>WSS</b>                      |                |                |               |               |               |               |               |               |               |               |
| Injection                       | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Withdrawal                      | \$ -           | \$ -           | \$ 6,188      | \$ -          | \$ -          | \$ 969        | \$ -          | \$ -          | \$ -          | \$ -          |
| Demand Charges                  | \$ 54,699      | \$ 54,699      | \$ 54,699     | \$ 54,699     | \$ 54,699     | \$ 54,699     | \$ 54,699     | \$ 54,699     | \$ 54,699     | \$ 54,699     |
| <b>Total Charges</b>            | \$ 54,699      | \$ 54,699      | \$ 60,887     | \$ 54,699     | \$ 54,699     | \$ 55,668     | \$ 54,699     | \$ 54,699     | \$ 54,699     | \$ 54,699     |
| <b>S2</b>                       |                |                |               |               |               |               |               |               |               |               |
| Injection                       | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Withdrawal                      | \$ -           | \$ 1,233       | \$ 1,233      | \$ 1,656      | \$ 411        | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Demand Charges                  | \$ 27,749      | \$ 27,749      | \$ 27,749     | \$ 27,749     | \$ 27,749     | \$ 27,749     | \$ 27,749     | \$ 27,749     | \$ 27,749     | \$ 27,749     |
| <b>Total Charges</b>            | \$ 27,749      | \$ 28,981      | \$ 28,981     | \$ 29,405     | \$ 28,160     | \$ 27,749     | \$ 27,749     | \$ 27,749     | \$ 27,749     | \$ 27,749     |
| <b>GSS</b>                      |                |                |               |               |               |               |               |               |               |               |
| Injection                       | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ 17,119     | \$ 32,734     | \$ 26,763     | \$ 210        | \$ 210        |
| Withdrawal                      | \$ -           | \$ 21,959      | \$ 45,762     | \$ 31,832     | \$ 8,127      | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Demand Charges                  | \$ 255,277     | \$ 255,277     | \$ 255,277    | \$ 255,277    | \$ 255,277    | \$ 255,277    | \$ 255,277    | \$ 255,277    | \$ 255,277    | \$ 255,277    |
| <b>Total Charges</b>            | \$ 255,277     | \$ 277,235     | \$ 301,038    | \$ 287,108    | \$ 263,403    | \$ 272,396    | \$ 288,010    | \$ 282,040    | \$ 255,487    | \$ 255,487    |
| <b>Total Injection Charges</b>  | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ 17,119     | \$ 32,734     | \$ 26,763     | \$ 210        | \$ 210        |
| <b>Total Withdrawal Charge:</b> | \$ -           | \$ 23,191      | \$ 53,183     | \$ 33,488     | \$ 8,538      | \$ 969        | \$ -          | \$ -          | \$ -          | \$ -          |
| <b>Total Demand Charges</b>     | \$ 337,724     | \$ 337,724     | \$ 337,724    | \$ 337,724    | \$ 337,724    | \$ 337,724    | \$ 337,724    | \$ 337,724    | \$ 337,724    | \$ 337,724    |
| <b>Total Storage</b>            | \$ 337,724     | \$ 360,915     | \$ 390,906    | \$ 371,211    | \$ 346,261    | \$ 355,812    | \$ 370,458    | \$ 364,487    | \$ 337,934    | \$ 337,934    |

**Forecasted Summary of Firm Transportation**

|                          |              |              |              |              |              |              |              |              |              |              |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Demand Charges           | \$ 2,159,065 | \$ 2,217,811 | \$ 2,217,449 | \$ 2,217,073 | \$ 2,157,492 | \$ 2,157,116 | \$ 2,156,740 | \$ 2,156,364 | \$ 2,155,988 | \$ 2,155,626 |
| Capacity Release Credit  | \$ (49,306)  | \$ (74,884)  | \$ (74,884)  | \$ (67,637)  | \$ (74,884)  | \$ (99,705)  | \$ (103,028) | \$ (99,705)  | \$ (103,028) | \$ (103,028) |
| <b>Net Demand Charge</b> | \$ 2,109,759 | \$ 2,142,928 | \$ 2,142,566 | \$ 2,149,437 | \$ 2,082,608 | \$ 2,057,411 | \$ 2,053,711 | \$ 2,056,659 | \$ 2,052,959 | \$ 2,052,597 |

Philadelphia Gas Works  
 Forecasted Summary of Total Fuel Purchased  
 January 2017-August 2018

Schedule 3  
 item 53.64(c)(1)

Cost of Natural Gas

| Suppliers   | 1/1/2017: Jan | 2/1/2017: Feb | 3/1/2017: Mar | 4/1/2017: Apr | 5/1/2017: May | 6/1/2017: Jun | 7/1/2017: Jul | 8/1/2017: Aug | 9/1/2017: Sep | 10/1/2017: Oct |
|-------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|
| TE Spot     | \$ 252,240    | \$ 8,071,944  | \$ 8,929,672  | \$ 5,905,647  | \$ 5,934,042  | \$ 4,130,259  | \$ 3,314,838  | \$ 2,198,182  | \$ 6,644,264  | \$ 6,190,041   |
| Supplier 1  | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Supplier 2  | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Supplier 3  | \$ 592,100    | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Supplier 4  | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Supplier 5  | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Supplier 6  | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Supplier 7  | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Supplier 8  | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Supplier 9  | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Supplier 10 | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Supplier 11 | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Supplier 12 | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Supplier 13 | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Supplier 14 | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Supplier 15 | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Supplier 16 | \$ 1,054,775  | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Supplier 17 | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Supplier 18 | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Supplier 19 | \$ 592,875    | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Supplier 20 | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Supplier 21 | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Supplier 22 | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Supplier 23 | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Supplier 24 | \$ 2,116,560  | \$ 439,660    | \$ 353,070    | \$ 794,348    | \$ 1,168,685  | \$ 442,960    | \$ 463,875    | \$ 494,035    | \$ 533,270    | \$ 551,360     |
| Supplier 25 | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Supplier 26 | \$ 2,435,237  | \$ 367,375    | \$ 178,620    | \$ 212,868    | \$ 557,399    | \$ -          | \$ -          | \$ 149,250    | \$ 157,757    | \$ 289,072     |
| Supplier 27 | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Supplier 28 | \$ 1,057,100  | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Supplier 29 | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Supplier 30 | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Supplier 31 | \$ 593,650    | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -           |
| Sub Total   | \$ 8,694,537  | \$ 8,878,979  | \$ 9,461,362  | \$ 6,912,862  | \$ 7,660,127  | \$ 4,573,219  | \$ 3,778,713  | \$ 2,841,467  | \$ 7,335,291  | \$ 7,030,473   |

Transportation Costs

|             |              |              |              |              |              |              |              |              |              |              |
|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| TE Spot     | \$ 140,142   | \$ 142,563   | \$ 153,142   | \$ 111,321   | \$ 123,474   | \$ 72,712    | \$ 59,303    | \$ 44,596    | \$ 109,669   | \$ 104,654   |
| Total TE    | \$ 140,142   | \$ 142,563   | \$ 153,142   | \$ 111,321   | \$ 123,474   | \$ 72,712    | \$ 59,303    | \$ 44,596    | \$ 109,669   | \$ 104,654   |
| Total Costs | \$ 8,834,680 | \$ 9,021,542 | \$ 9,614,504 | \$ 7,024,184 | \$ 7,783,601 | \$ 4,645,931 | \$ 3,838,015 | \$ 2,886,063 | \$ 7,444,960 | \$ 7,135,126 |

Philadelphia Gas Works  
 Forecasted Summary of Total Fuel Purchased  
 January 2017-August 2018

Schedule 3  
 item 53.64(c)(1)

Cost of Natural Gas

| Suppliers   | 11/1/2017: Nov | 12/1/2017: Dec | 1/1/2018: Jan | 2/1/2018: Feb | 3/1/2018: Mar | 4/1/2018: Apr | 5/1/2018: May | 6/1/2018: Jun | 7/1/2018: Jul | 8/1/2018: Aug |
|-------------|----------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| TE Spot     | \$ 7,324,587   | \$ 10,267,387  | \$ 10,911,152 | \$ 9,727,451  | \$ 9,660,652  | \$ 4,632,019  | \$ 4,267,007  | \$ 3,375,618  | \$ 1,935,235  | \$ 1,923,748  |
| Supplier 1  | -              | -              | -             | -             | -             | -             | -             | -             | -             | -             |
| Supplier 2  | -              | -              | -             | -             | -             | -             | -             | -             | -             | -             |
| Supplier 3  | -              | -              | -             | -             | -             | -             | -             | -             | -             | -             |
| Supplier 4  | -              | -              | -             | -             | -             | -             | -             | -             | -             | -             |
| Supplier 5  | -              | -              | -             | -             | -             | -             | -             | -             | -             | -             |
| Supplier 6  | -              | -              | -             | -             | -             | -             | -             | -             | -             | -             |
| Supplier 7  | -              | -              | -             | -             | -             | -             | -             | -             | -             | -             |
| Supplier 8  | -              | -              | -             | -             | -             | -             | -             | -             | -             | -             |
| Supplier 9  | -              | -              | -             | -             | -             | -             | -             | -             | -             | -             |
| Supplier 10 | -              | -              | -             | -             | -             | -             | -             | -             | -             | -             |
| Supplier 11 | -              | -              | -             | -             | -             | -             | -             | -             | -             | -             |
| Supplier 12 | -              | -              | -             | -             | -             | -             | -             | -             | -             | -             |
| Supplier 13 | -              | -              | -             | -             | -             | -             | -             | -             | -             | -             |
| Supplier 14 | -              | -              | -             | -             | -             | -             | -             | -             | -             | -             |
| Supplier 15 | -              | -              | -             | -             | -             | -             | -             | -             | -             | -             |
| Supplier 16 | -              | -              | -             | -             | -             | -             | -             | -             | -             | -             |
| Supplier 17 | -              | -              | -             | -             | -             | -             | -             | -             | -             | -             |
| Supplier 18 | -              | -              | -             | -             | -             | -             | -             | -             | -             | -             |
| Supplier 19 | -              | -              | -             | -             | -             | -             | -             | -             | -             | -             |
| Supplier 20 | -              | -              | -             | -             | -             | -             | -             | -             | -             | -             |
| Supplier 21 | -              | -              | -             | -             | -             | -             | -             | -             | -             | -             |
| Supplier 22 | -              | -              | -             | -             | -             | -             | -             | -             | -             | -             |
| Supplier 23 | -              | -              | -             | -             | -             | -             | -             | -             | -             | -             |
| Supplier 24 | \$ 543,130     | \$ 656,562     | \$ 526,185    | \$ 469,390    | \$ 683,131    | \$ 642,842    | \$ 544,663    | \$ 391,660    | \$ 433,975    | \$ 432,655    |
| Supplier 25 | -              | -              | -             | -             | -             | -             | -             | -             | -             | -             |
| Supplier 26 | \$ 716,850     | \$ 165,000     | -             | -             | \$ 325,300    | \$ 467,583    | \$ 322,750    | -             | \$ 131,050    | \$ 130,650    |
| Supplier 27 | -              | -              | -             | -             | -             | -             | -             | -             | -             | -             |
| Supplier 28 | -              | -              | -             | -             | -             | -             | -             | -             | -             | -             |
| Supplier 29 | -              | -              | -             | -             | -             | -             | -             | -             | -             | -             |
| Supplier 30 | -              | -              | -             | -             | -             | -             | -             | -             | -             | -             |
| Supplier 31 | -              | -              | -             | -             | -             | -             | -             | -             | -             | -             |
| Sub Total   | \$ 8,584,567   | \$ 11,088,949  | \$ 11,437,337 | \$ 10,196,841 | \$ 10,669,083 | \$ 5,742,443  | \$ 5,134,420  | \$ 3,767,278  | \$ 2,500,260  | \$ 2,487,053  |

Transportation Costs

|             |              |               |               |               |               |              |              |              |              |              |
|-------------|--------------|---------------|---------------|---------------|---------------|--------------|--------------|--------------|--------------|--------------|
| TE Spot     | \$ 125,991   | \$ 156,457    | \$ 155,342    | \$ 142,060    | \$ 152,712    | \$ 101,270   | \$ 93,016    | \$ 67,779    | \$ 44,687    | \$ 44,587    |
| Total TE    | \$ 125,991   | \$ 156,457    | \$ 155,342    | \$ 142,060    | \$ 152,712    | \$ 101,270   | \$ 93,016    | \$ 67,779    | \$ 44,687    | \$ 44,587    |
| Total Costs | \$ 8,710,558 | \$ 11,245,407 | \$ 11,592,679 | \$ 10,338,901 | \$ 10,821,795 | \$ 5,843,713 | \$ 5,227,436 | \$ 3,835,057 | \$ 2,544,947 | \$ 2,531,640 |

Philadelphia Gas Works  
 Forecasted Summary of Total Fuel Purchased  
 January 2017-August 2018

Schedule 3  
 item 53.64(c)(1)

| Volumes          | <u>1/1/2017: Jan</u> | <u>2/1/2017: Feb</u> | <u>3/1/2017: Mar</u> | <u>4/1/2017: Apr</u> | <u>5/1/2017: May</u> | <u>6/1/2017: Jun</u> | <u>7/1/2017: Jul</u> | <u>8/1/2017: Aug</u> | <u>9/1/2017: Sep</u> | <u>10/1/2017: Oct</u> |
|------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|-----------------------|
| <b>Suppliers</b> |                      |                      |                      |                      |                      |                      |                      |                      |                      |                       |
| TE Spot          | 74,079               | 2,746,493            | 3,062,302            | 2,033,625            | 2,045,516            | 1,403,418            | 1,111,243            | 736,409              | 2,124,125            | 1,970,096             |
| Supplier 1       | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                     |
| Supplier 2       | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                     |
| Supplier 3       | 155,000              | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                     |
| Supplier 4       | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                     |
| Supplier 5       | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                     |
| Supplier 6       | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                     |
| Supplier 7       | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                     |
| Supplier 8       | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                     |
| Supplier 9       | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                     |
| Supplier 10      | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                     |
| Supplier 11      | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                     |
| Supplier 12      | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                     |
| Supplier 13      | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                     |
| Supplier 14      | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                     |
| Supplier 15      | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                     |
| Supplier 16      | 310,000              | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                     |
| Supplier 17      | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                     |
| Supplier 18      | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                     |
| Supplier 19      | 155,000              | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                     |
| Supplier 20      | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                     |
| Supplier 21      | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                     |
| Supplier 22      | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                     |
| Supplier 23      | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                     |
| Supplier 24      | 765,000              | 190,000              | 165,000              | 273,016              | 402,336              | 150,000              | 155,000              | 165,000              | 170,000              | 175,000               |
| Supplier 25      | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                     |
| Supplier 26      | 905,000              | 125,000              | 61,255               | 73,301               | 192,140              | -                    | -                    | 50,000               | 50,434               | 92,003                |
| Supplier 27      | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                     |
| Supplier 28      | 310,000              | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                     |
| Supplier 29      | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                     |
| Supplier 30      | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                     |
| Supplier 31      | 155,000              | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                     |
| <b>Total</b>     | <b>2,829,079</b>     | <b>3,061,493</b>     | <b>3,288,557</b>     | <b>2,379,942</b>     | <b>2,639,992</b>     | <b>1,553,418</b>     | <b>1,266,243</b>     | <b>951,409</b>       | <b>2,344,559</b>     | <b>2,237,098</b>      |

Philadelphia Gas Works  
 Forecasted Summary of Total Fuel Purchased  
 January 2017-August 2018

Schedule 3  
 item 53.64(c)(1)

Volumes

Suppliers

|              | <u>11/1/2017: Nov</u> | <u>12/1/2017: Dec</u> | <u>1/1/2018: Jan</u> | <u>2/1/2018: Feb</u> | <u>3/1/2018: Mar</u> | <u>4/1/2018: Apr</u> | <u>5/1/2018: May</u> | <u>6/1/2018: Jun</u> | <u>7/1/2018: Jul</u> | <u>8/1/2018: Aug</u> |
|--------------|-----------------------|-----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| TE Spot      | 2,298,991             | 3,111,329             | 3,223,383            | 2,910,668            | 2,969,767            | 1,746,613            | 1,652,598            | 1,297,816            | 738,357              | 736,222              |
| Supplier 1   | -                     | -                     | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    |
| Supplier 2   | -                     | -                     | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    |
| Supplier 3   | -                     | -                     | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    |
| Supplier 4   | -                     | -                     | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    |
| Supplier 5   | -                     | -                     | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    |
| Supplier 6   | -                     | -                     | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    |
| Supplier 7   | -                     | -                     | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    |
| Supplier 8   | -                     | -                     | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    |
| Supplier 9   | -                     | -                     | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    |
| Supplier 10  | -                     | -                     | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    |
| Supplier 11  | -                     | -                     | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    |
| Supplier 12  | -                     | -                     | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    |
| Supplier 13  | -                     | -                     | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    |
| Supplier 14  | -                     | -                     | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    |
| Supplier 15  | -                     | -                     | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    |
| Supplier 16  | -                     | -                     | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    |
| Supplier 17  | -                     | -                     | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    |
| Supplier 18  | -                     | -                     | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    |
| Supplier 19  | -                     | -                     | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    |
| Supplier 20  | -                     | -                     | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    |
| Supplier 21  | -                     | -                     | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    |
| Supplier 22  | -                     | -                     | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    |
| Supplier 23  | -                     | -                     | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    |
| Supplier 24  | 170,000               | 198,501               | 155,000              | 140,000              | 209,536              | 241,829              | 210,361              | 150,000              | 165,000              | 165,000              |
| Supplier 25  | -                     | -                     | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    |
| Supplier 26  | 225,000               | 50,000                | -                    | -                    | 100,000              | 176,313              | 125,000              | -                    | 50,000               | 50,000               |
| Supplier 27  | -                     | -                     | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    |
| Supplier 28  | -                     | -                     | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    |
| Supplier 29  | -                     | -                     | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    |
| Supplier 30  | -                     | -                     | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    |
| Supplier 31  | -                     | -                     | -                    | -                    | -                    | -                    | -                    | -                    | -                    | -                    |
| <b>Total</b> | <b>2,693,991</b>      | <b>3,359,830</b>      | <b>3,378,383</b>     | <b>3,050,668</b>     | <b>3,279,303</b>     | <b>2,164,756</b>     | <b>1,987,959</b>     | <b>1,447,816</b>     | <b>953,357</b>       | <b>951,222</b>       |

|                                      | 1/1/2017: Jan | 2/1/2017: Feb | 3/1/2017: Mar | 4/1/2017: Apr | 5/1/2017: May | 6/1/2017: Jun | 7/1/2017: Jul | 8/1/2017: Aug | 9/1/2017: Sep | 10/1/2017: Oct |
|--------------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|
| <b>Storage</b>                       |               |               |               |               |               |               |               |               |               |                |
| <b>SSIA</b>                          |               |               |               |               |               |               |               |               |               |                |
| Injections                           | \$ 2,147 \$   | \$ - \$       | \$ - \$       | \$ 3,456 \$   | \$ 10,162 \$  | \$ 1,041 \$   | \$ 50 \$      | \$ 50 \$      | \$ 12,343 \$  | \$ 4,808 \$    |
| Withdrawal                           | \$ 29,751 \$  | \$ 10,646 \$  | \$ 694 \$     | \$ - \$       | \$ - \$       | \$ - \$       | \$ - \$       | \$ - \$       | \$ - \$       | \$ - \$        |
| Capacity                             | \$ 28,522 \$  | \$ 28,522 \$  | \$ 28,522 \$  | \$ 28,522 \$  | \$ 28,522 \$  | \$ 28,522 \$  | \$ 28,522 \$  | \$ 28,522 \$  | \$ 28,522 \$  | \$ 28,522 \$   |
| Demand                               | \$ 213,289 \$ | \$ 213,289 \$ | \$ 213,289 \$ | \$ 213,289 \$ | \$ 213,289 \$ | \$ 213,289 \$ | \$ 213,289 \$ | \$ 213,289 \$ | \$ 213,289 \$ | \$ 213,289 \$  |
| Total Charges                        | \$ 273,709 \$ | \$ 252,457 \$ | \$ 242,505 \$ | \$ 245,268 \$ | \$ 251,973 \$ | \$ 242,853 \$ | \$ 241,862 \$ | \$ 241,862 \$ | \$ 254,155 \$ | \$ 246,620 \$  |
| <b>SSIB</b>                          |               |               |               |               |               |               |               |               |               |                |
| Injections                           | \$ 576 \$     | \$ - \$       | \$ - \$       | \$ 3,700 \$   | \$ 10,375 \$  | \$ 818 \$     | \$ 47 \$      | \$ 47 \$      | \$ 11,656 \$  | \$ 2,786 \$    |
| Withdrawal                           | \$ 22,656 \$  | \$ 8,310 \$   | \$ 1,964 \$   | \$ - \$       | \$ - \$       | \$ - \$       | \$ - \$       | \$ - \$       | \$ - \$       | \$ - \$        |
| Capacity                             | \$ 26,529 \$  | \$ 26,529 \$  | \$ 26,529 \$  | \$ 26,529 \$  | \$ 26,529 \$  | \$ 26,529 \$  | \$ 26,529 \$  | \$ 26,529 \$  | \$ 26,529 \$  | \$ 26,529 \$   |
| Demand                               | \$ 100,809 \$ | \$ 100,809 \$ | \$ 100,809 \$ | \$ 100,809 \$ | \$ 100,809 \$ | \$ 100,809 \$ | \$ 100,809 \$ | \$ 100,809 \$ | \$ 100,809 \$ | \$ 100,809 \$  |
| Total Charges                        | \$ 150,570 \$ | \$ 135,648 \$ | \$ 129,302 \$ | \$ 131,038 \$ | \$ 137,713 \$ | \$ 128,156 \$ | \$ 127,385 \$ | \$ 127,385 \$ | \$ 138,994 \$ | \$ 130,125 \$  |
| <b>GSSTE</b>                         |               |               |               |               |               |               |               |               |               |                |
| Injections                           | \$ - \$       | \$ - \$       | \$ - \$       | \$ 8,054 \$   | \$ 18,304 \$  | \$ 15,053 \$  | \$ 8,381 \$   | \$ 140 \$     | \$ 15,053 \$  | \$ 7,497 \$    |
| Injections/Retention F.              | \$ - \$       | \$ - \$       | \$ - \$       | \$ - \$       | \$ - \$       | \$ - \$       | \$ - \$       | \$ - \$       | \$ - \$       | \$ - \$        |
| Withdrawal                           | \$ 12,495 \$  | \$ 7,465 \$   | \$ 2,692 \$   | \$ 515 \$     | \$ - \$       | \$ - \$       | \$ - \$       | \$ - \$       | \$ - \$       | \$ - \$        |
| Capacity                             | \$ 56,825 \$  | \$ 56,825 \$  | \$ 56,825 \$  | \$ 56,825 \$  | \$ 56,825 \$  | \$ 56,825 \$  | \$ 56,825 \$  | \$ 56,825 \$  | \$ 56,825 \$  | \$ 56,825 \$   |
| Demand                               | \$ 63,610 \$  | \$ 63,610 \$  | \$ 63,610 \$  | \$ 63,610 \$  | \$ 63,610 \$  | \$ 63,610 \$  | \$ 63,610 \$  | \$ 63,610 \$  | \$ 63,610 \$  | \$ 63,610 \$   |
| Total Charges                        | \$ 132,930 \$ | \$ 127,900 \$ | \$ 123,127 \$ | \$ 129,005 \$ | \$ 138,739 \$ | \$ 135,488 \$ | \$ 128,816 \$ | \$ 120,575 \$ | \$ 135,488 \$ | \$ 127,932 \$  |
| <b>Total Injection Charges</b>       | \$ 2,723 \$   | \$ - \$       | \$ - \$       | \$ 15,210 \$  | \$ 38,841 \$  | \$ 16,912 \$  | \$ 8,478 \$   | \$ 237 \$     | \$ 39,052 \$  | \$ 15,091 \$   |
| <b>Total Injections/Retention F.</b> | \$ - \$       | \$ - \$       | \$ - \$       | \$ - \$       | \$ - \$       | \$ - \$       | \$ - \$       | \$ - \$       | \$ - \$       | \$ - \$        |
| <b>Total Withdrawal Charge</b>       | \$ 64,902 \$  | \$ 26,420 \$  | \$ 5,350 \$   | \$ 515 \$     | \$ - \$       | \$ - \$       | \$ - \$       | \$ - \$       | \$ - \$       | \$ - \$        |
| <b>Total Capacity Charges</b>        | \$ 111,877 \$ | \$ 111,877 \$ | \$ 111,877 \$ | \$ 111,877 \$ | \$ 111,877 \$ | \$ 111,877 \$ | \$ 111,877 \$ | \$ 111,877 \$ | \$ 111,877 \$ | \$ 111,877 \$  |
| <b>Total Demand Charges</b>          | \$ 377,708 \$ | \$ 377,708 \$ | \$ 377,708 \$ | \$ 377,708 \$ | \$ 377,708 \$ | \$ 377,708 \$ | \$ 377,708 \$ | \$ 377,708 \$ | \$ 377,708 \$ | \$ 377,708 \$  |
| <b>Total</b>                         | \$ 557,209 \$ | \$ 516,005 \$ | \$ 494,935 \$ | \$ 505,311 \$ | \$ 528,426 \$ | \$ 506,497 \$ | \$ 498,063 \$ | \$ 489,822 \$ | \$ 528,637 \$ | \$ 504,676 \$  |

**Forecasted Summary of Firm Transportation**

|                             |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |
|-----------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Texas Eastern Demand        | \$ 2,130,343 \$ | \$ 2,134,596 \$ | \$ 2,134,080 \$ | \$ 2,133,549 \$ | \$ 2,133,034 \$ | \$ 2,132,518 \$ | \$ 2,131,988 \$ | \$ 2,131,411 \$ | \$ 2,130,936 \$ | \$ 2,130,547 \$ |
| Capacity Release Credits    | \$ (173,790) \$ | \$ (156,971) \$ | \$ (173,819) \$ | \$ (591,843) \$ | \$ (611,571) \$ | \$ (591,843) \$ | \$ (611,571) \$ | \$ (611,571) \$ | \$ (490,065) \$ | \$ (506,321) \$ |
| <b>Net Total</b>            | \$ 1,956,553 \$ | \$ 1,977,624 \$ | \$ 1,960,262 \$ | \$ 1,541,706 \$ | \$ 1,521,463 \$ | \$ 1,540,675 \$ | \$ 1,520,416 \$ | \$ 1,519,840 \$ | \$ 1,640,892 \$ | \$ 1,624,226 \$ |
| <b>Total Demand Charges</b> | \$ 1,956,553 \$ | \$ 1,977,624 \$ | \$ 1,960,262 \$ | \$ 1,541,706 \$ | \$ 1,521,463 \$ | \$ 1,540,675 \$ | \$ 1,520,416 \$ | \$ 1,519,840 \$ | \$ 1,640,892 \$ | \$ 1,624,226 \$ |

Philadelphia Gas Works  
Forecasted Summary of Total Fuel Purchased  
January 2017-August 2018

Schedule 3  
Item 53.64(c)(1)

|                                   | 11/1/2017: Nov | 12/1/2017: Dec | 1/1/2018: Jan | 2/1/2018: Feb | 3/1/2018: Mar | 4/1/2018: Apr | 5/1/2018: May | 6/1/2018: Jun | 7/1/2018: Jul | 8/1/2018: Aug |
|-----------------------------------|----------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| <b>Storages</b>                   |                |                |               |               |               |               |               |               |               |               |
| <b>SSIA</b>                       |                |                |               |               |               |               |               |               |               |               |
| Injections                        | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ 1,205      | \$ 6          | \$ 6          | \$ 6          |
| Withdrawal                        | \$ 3,678       | \$ 5,310       | \$ 9,425      | \$ 10,203     | \$ 763        | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Capacity                          | \$ 28,522      | \$ 28,522      | \$ 28,522     | \$ 28,522     | \$ 28,522     | \$ 28,522     | \$ 28,522     | \$ 28,522     | \$ 28,522     | \$ 28,522     |
| Demand                            | \$ 213,289     | \$ 213,289     | \$ 213,289    | \$ 213,289    | \$ 213,289    | \$ 213,289    | \$ 213,289    | \$ 213,289    | \$ 213,289    | \$ 213,289    |
| Total Charges                     | \$ 245,489     | \$ 247,122     | \$ 251,237    | \$ 252,014    | \$ 242,575    | \$ 241,814    | \$ 243,017    | \$ 241,817    | \$ 241,817    | \$ 241,817    |
| <b>SSIB</b>                       |                |                |               |               |               |               |               |               |               |               |
| Injections                        | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ 1,364      | \$ 4          | \$ 4          | \$ 4          |
| Withdrawal                        | \$ 4,242       | \$ 4,774       | \$ 6,159      | \$ 8,405      | \$ 1,824      | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Capacity                          | \$ 26,529      | \$ 26,529      | \$ 26,529     | \$ 26,529     | \$ 26,529     | \$ 26,529     | \$ 26,529     | \$ 26,529     | \$ 26,529     | \$ 26,529     |
| Demand                            | \$ 100,809     | \$ 100,809     | \$ 100,809    | \$ 100,809    | \$ 100,809    | \$ 100,809    | \$ 100,809    | \$ 100,809    | \$ 100,809    | \$ 100,809    |
| Total Charges                     | \$ 131,380     | \$ 132,112     | \$ 133,497    | \$ 135,743    | \$ 129,162    | \$ 127,340    | \$ 128,703    | \$ 127,342    | \$ 127,342    | \$ 127,342    |
| <b>GSSTE</b>                      |                |                |               |               |               |               |               |               |               |               |
| Injections                        | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ 8,829      | \$ 16,882     | \$ 13,806     | \$ 107        | \$ 107        |
| Injections/Retention F.           | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| Withdrawal                        | \$ -           | \$ 5,159       | \$ 15,364     | \$ 11,053     | \$ 2,727      | \$ 497        | \$ -          | \$ -          | \$ -          | \$ -          |
| Capacity                          | \$ 56,825      | \$ 56,825      | \$ 56,825     | \$ 56,825     | \$ 56,825     | \$ 56,825     | \$ 56,825     | \$ 56,825     | \$ 56,825     | \$ 56,825     |
| Demand                            | \$ 63,610      | \$ 63,610      | \$ 63,610     | \$ 63,610     | \$ 63,610     | \$ 63,610     | \$ 63,610     | \$ 63,610     | \$ 63,610     | \$ 63,610     |
| Total Charges                     | \$ 120,435     | \$ 125,594     | \$ 135,799    | \$ 131,488    | \$ 123,162    | \$ 129,761    | \$ 137,317    | \$ 134,241    | \$ 120,542    | \$ 120,542    |
| <b>Total Injection Charges</b>    | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ 8,834      | \$ 19,451     | \$ 13,815     | \$ 117        | \$ 117        |
| <b>Total Injections/Retention</b> | \$ -           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          | \$ -          |
| <b>Total Withdrawal Charge</b>    | \$ 7,920       | \$ 15,243      | \$ 30,948     | \$ 29,661     | \$ 5,314      | \$ 497        | \$ -          | \$ -          | \$ -          | \$ -          |
| <b>Total Capacity Charges</b>     | \$ 111,877     | \$ 111,877     | \$ 111,877    | \$ 111,877    | \$ 111,877    | \$ 111,877    | \$ 111,877    | \$ 111,877    | \$ 111,877    | \$ 111,877    |
| <b>Total Demand Charges</b>       | \$ 377,708     | \$ 377,708     | \$ 377,708    | \$ 377,708    | \$ 377,708    | \$ 377,708    | \$ 377,708    | \$ 377,708    | \$ 377,708    | \$ 377,708    |
| <b>Total</b>                      | \$ 497,505     | \$ 504,828     | \$ 520,533    | \$ 519,246    | \$ 494,899    | \$ 498,916    | \$ 509,036    | \$ 503,400    | \$ 489,702    | \$ 489,702    |

Forecasted Summary of Firm Transportation

|                                 |              |              |              |              |              |              |              |              |              |              |
|---------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| <b>Texas Eastern Demand</b>     | \$ 2,130,138 | \$ 2,129,683 | \$ 2,129,288 | \$ 2,128,879 | \$ 2,128,424 | \$ 2,128,015 | \$ 2,127,605 | \$ 2,127,196 | \$ 2,126,787 | \$ 2,126,392 |
| <b>Capacity Release Credits</b> | \$ (191,346) | \$ (173,790) | \$ (173,790) | \$ (156,972) | \$ (173,790) | \$ (590,332) | \$ (610,010) | \$ (590,332) | \$ (610,010) | \$ (610,010) |
| <b>Net Total</b>                | \$ 1,938,791 | \$ 1,955,893 | \$ 1,955,498 | \$ 1,971,907 | \$ 1,954,634 | \$ 1,537,683 | \$ 1,517,595 | \$ 1,536,864 | \$ 1,516,777 | \$ 1,516,382 |
| <b>Total Demand Charges</b>     | \$ 1,938,791 | \$ 1,955,893 | \$ 1,955,498 | \$ 1,971,907 | \$ 1,954,634 | \$ 1,537,683 | \$ 1,517,595 | \$ 1,536,864 | \$ 1,516,777 | \$ 1,516,382 |



CAPACITY RELEASE (Dth)

|                                       | TRANSCO          |                   | TETCO            |                     | TETCO               |                     | TOTAL DOLLARS     |                     | TOTAL VOLUMES    |                   |
|---------------------------------------|------------------|-------------------|------------------|---------------------|---------------------|---------------------|-------------------|---------------------|------------------|-------------------|
|                                       | VOLUMES          | DOLLARS           | VOLUMES          | DOLLARS             | VOLUMES             | DOLLARS             | TRANSCO           | TETCO               | TRANSCO          | TETCO             |
|                                       | Contract 3691    |                   | Contract 800232  |                     | Contract 800515-514 |                     |                   |                     |                  |                   |
|                                       |                  |                   |                  |                     | Paid                |                     |                   |                     |                  |                   |
| Sep-16                                | -                | \$ -              | -                | \$ -                | -                   | \$ -                | \$ -              | \$ -                | -                | \$ -              |
| Oct-16                                | -                | \$ -              | -                | \$ -                | -                   | \$ -                | \$ -              | \$ -                | -                | \$ -              |
| Nov-16                                | -                | \$ -              | -                | \$ -                | -                   | \$ -                | \$ -              | \$ -                | -                | \$ -              |
| Dec-16                                | -                | \$ -              | -                | \$ -                | -                   | \$ -                | \$ -              | \$ -                | -                | \$ -              |
| Jan-17                                | 310,000          | \$ 74,884         | 719,448          | \$ 173,790          | -                   | \$ -                | \$ 74,884         | \$ 173,790          | 310,000          | 719,448           |
| Feb-17                                | 280,000          | \$ 67,637         | 649,824          | \$ 156,971          | -                   | \$ -                | \$ 67,637         | \$ 156,971          | 280,000          | 649,824           |
| Mar-17                                | 310,000          | \$ 74,896         | 719,448          | \$ 173,819          | -                   | \$ -                | \$ 74,896         | \$ 173,819          | 310,000          | 719,448           |
| Apr-17                                | 300,000          | \$ 99,960         | 696,240          | \$ 231,987          | 1,080,000           | \$ 359,856          | \$ 99,960         | \$ 591,843          | 300,000          | 1,776,240         |
| May-17                                | 310,000          | \$ 103,292        | 719,448          | \$ 239,720          | 1,116,000           | \$ 371,851          | \$ 103,292        | \$ 611,571          | 310,000          | 1,835,448         |
| Jun-17                                | 300,000          | \$ 99,960         | 696,240          | \$ 231,987          | 1,080,000           | \$ 359,856          | \$ 99,960         | \$ 591,843          | 300,000          | 1,776,240         |
| Jul-17                                | 310,000          | \$ 103,292        | 719,448          | \$ 239,720          | 1,116,000           | \$ 371,851          | \$ 103,292        | \$ 611,571          | 310,000          | 1,835,448         |
| Aug-17                                | 310,000          | \$ 103,291        | 719,448          | \$ 239,720          | 1,116,000           | \$ 371,851          | \$ 103,291        | \$ 611,571          | 310,000          | 1,835,448         |
| <b>TOTAL September 16 - August 17</b> | <b>2,430,000</b> | <b>\$ 727,211</b> | <b>5,639,544</b> | <b>\$ 1,687,715</b> | <b>5,508,000</b>    | <b>\$ 1,835,266</b> | <b>\$ 727,211</b> | <b>\$ 3,522,980</b> | <b>2,430,000</b> | <b>11,147,544</b> |

CAPACITY RELEASE (Dth)

|                                       | TRANSCO          |                  | TETCO            |                  | TETCO               |                  | TOTAL DOLLARS |                     | TOTAL VOLUMES       |           |                  |                   |
|---------------------------------------|------------------|------------------|------------------|------------------|---------------------|------------------|---------------|---------------------|---------------------|-----------|------------------|-------------------|
|                                       | Contract 3691    |                  | Contract 800232  |                  | Contract 800515-514 |                  |               |                     |                     |           |                  |                   |
|                                       | VOLUMES          | DOLLARS          | VOLUMES          | DOLLARS          | VOLUMES             | DOLLARS          | TRANSCO       | TETCO               | TRANSCO             | TETCO     |                  |                   |
| Sep-17                                | 300,000          | \$ 82,770        | 696,240          | \$ 192,093       | 1,080,000           | \$ 297,972       | \$            | \$ 82,770           | \$                  | 490,065   | 300,000          | 1,776,240         |
| Oct-17                                | 310,000          | \$ 85,516        | 719,448          | \$ 198,465       | 1,116,000           | \$ 307,857       | \$            | \$ 85,516           | \$                  | 506,321   | 310,000          | 1,835,448         |
| Nov-17                                | 300,000          | \$ 49,306        | 696,240          | \$ 114,429       | 468,000             | \$ 76,917        | \$            | \$ 49,306           | \$                  | 191,346   | 300,000          | 1,164,240         |
| Dec-17                                | 310,000          | \$ 74,884        | 719,448          | \$ 173,790       | -                   | \$ -             | \$            | \$ 74,884           | \$                  | 173,790   | 310,000          | 719,448           |
| Jan-18                                | 310,000          | \$ 74,884        | 719,448          | \$ 173,790       | -                   | \$ -             | \$            | \$ 74,884           | \$                  | 173,790   | 310,000          | 719,448           |
| Feb-18                                | 280,000          | \$ 67,637        | 649,824          | \$ 156,972       | -                   | \$ -             | \$            | \$ 67,637           | \$                  | 156,972   | 280,000          | 649,824           |
| Mar-18                                | 310,000          | \$ 74,884        | 719,448          | \$ 173,790       | -                   | \$ -             | \$            | \$ 74,884           | \$                  | 173,790   | 310,000          | 719,448           |
| Apr-18                                | 300,000          | \$ 99,705        | 696,240          | \$ 231,395       | 1,080,000           | \$ 358,937       | \$            | \$ 99,705           | \$                  | 590,332   | 300,000          | 1,776,240         |
| May-18                                | 310,000          | \$ 103,028       | 719,448          | \$ 239,108       | 1,116,000           | \$ 370,902       | \$            | \$ 103,028          | \$                  | 610,010   | 310,000          | 1,835,448         |
| Jun-18                                | 300,000          | \$ 99,705        | 696,240          | \$ 231,395       | 1,080,000           | \$ 358,937       | \$            | \$ 99,705           | \$                  | 590,332   | 300,000          | 1,776,240         |
| Jul-18                                | 310,000          | \$ 103,028       | 719,448          | \$ 239,108       | 1,116,000           | \$ 370,902       | \$            | \$ 103,028          | \$                  | 610,010   | 310,000          | 1,835,448         |
| Aug-18                                | 310,000          | \$ 103,028       | 719,448          | \$ 239,108       | 1,116,000           | \$ 370,902       | \$            | \$ 103,028          | \$                  | 610,010   | 310,000          | 1,835,448         |
| <b>TOTAL September 17 - August 18</b> | <b>3,650,000</b> | <b>1,018,374</b> | <b>8,470,920</b> | <b>2,363,443</b> | <b>8,172,000</b>    | <b>2,513,326</b> | <b>\$</b>     | <b>\$ 1,018,374</b> | <b>\$ 4,876,769</b> | <b>\$</b> | <b>3,650,000</b> | <b>16,642,920</b> |

# Tab 5

BEFORE THE  
PENNSYLVANIA PUBLIC UTILITY COMMISSION

DIRECT TESTIMONY OF

**KENNETH S. DYBALSKI**

ON BEHALF OF  
PHILADELPHIA GAS WORKS

Docket No. **R-2017-2587526**

Philadelphia Gas Works  
Proposed 2017 Annual GCR Adjustment

March 1, 2017

1 **Q. PLEASE STATE YOUR NAME AND POSITION WITH THE COMPANY.**

2

3 A. My name is Kenneth S. Dybalski. My position is Vice President- Energy  
4 Planning & Technical Compliance at the Philadelphia Gas Works.

5

6 **Q. HOW LONG HAVE YOU HELD THIS POSITION?**

7

8 A. I assumed the position of Vice President - Energy Planning & Technical  
9 Compliance in 2016. Prior to this position, I was the Director of Gas Planning and  
10 Rates from 2016 to 2016 and the Manager of Gas Planning from 2001 to 2006.

11

12 **Q. AS IT PERTAINS TO GAS PLANNING AND RATEMAKING, WHAT  
13 ARE YOUR JOB RESPONSIBILITIES?**

14

15 A. In my present position, I am responsible for the short and long term planning of  
16 gas demand, gas supply, raw material expense and revenue; overseeing the  
17 preparation of sales, sendout, revenue and fuel expense projections; developing  
18 peak day/hour load projections; overseeing the development of the various filings  
19 before the Pennsylvania Public Utility Commission (PUC) and Philadelphia Gas  
20 Commission (PGC), including the quarterly and annual Gas Cost Rate (GCR)  
21 filings; preparing the Integrated Resource Planning Report; and providing  
22 supporting documentation for gas costs related to PGW's Operating Budget  
23 before the Philadelphia Gas Commission.

24

25 **Q. PLEASE SUMMARIZE YOUR EDUCATIONAL BACKGROUND.**

26

27 A. I received a BS and MBA from Temple University in Philadelphia, Pennsylvania.

28

29

1 **Q. HAVE YOU EVER PROVIDED TESTIMONY BEFORE THIS**  
2 **COMMISSION?**

3  
4 A. Yes. I submitted testimony for the PGW 1307f Annual GCR Filings in Docket  
5 Nos. R-2016-2526700, R-2015-2465656, R-2014-2404355, R-2013-2346376, R-  
6 2012-2286447, R-2011-2224739, R-2010-20157062, R-2009-2088076, and R-  
7 2008-2021348. I have also submitted testimony in PGW's just filed base rate  
8 proceeding and in PGW's previous base rate proceeding (Docket No. R-2009-  
9 2139884) and PGW's 2008 Extraordinary Rate Request (Docket No. R-2008-  
10 2073938).

11  
12 **Q. HOW IS YOUR TESTIMONY STRUCTURED**

13  
14 A. First, I describe PGW's rate design and Gas Cost Rate (GCR) calculation  
15 methodology. Second, I describe the level of heating degree-days utilized in this  
16 filing. Third, I identify the methodology for determining the number of customers  
17 and calculating firm sales. Fourth, I discuss the calculation for the Unaccounted  
18 for Adjustment Factor (UAF). Fifth, I discuss Off System Sales and Capacity  
19 Release credits. Sixth, I discuss the changes to the PGW Gas Service Tariff and  
20 the PGW Gas Supplier Tariff. Lastly, I will discuss the reasonableness of PGW's  
21 gas costs.

22  
23 **Q. PLEASE DESCRIBE THE IMPACT OF THE PROPOSED CHANGE IN**  
24 **PGW's GCR IN THIS PROCEEDING.**

25  
26 A. PGW's GCR on September 1, 2016 was \$4.2026 / Mcf and this rate was  
27 decreased in the Company's first quarterly GCR filing on December 1, 2016 to  
28 \$4.1577 / Mcf. PGW's second quarter GCR filing, also submitted to the PUC  
29 concurrently with this filing, increases the GCR to \$4.9430 effective March 1,  
30 2017. The proposed rate to be effective September 1, 2017 is \$4.8152.

1  
2 **Q. PLEASE SUMMARIZE THE EVIDENCE THAT PGW IS SUBMITTING**  
3 **IN SUPPORT OF ITS PROPOSED GCR ADJUSTMENT.**

4  
5 A. Tab 2 of this filing contains the schedules supporting the filing requirements of  
6 Section 53.64 (a) for the proposed GCR for the period September 1, 2017 through  
7 August 31, 2018.

8  
9 Schedule 1 identifies the Levelized Gas Cost Rate. Specifically, this schedule  
10 identifies the GCR Firm Sales Volumes in Mcfs (“S”), Total Applicable GCR  
11 Expense (“C”), and adjustments for Prior Year Reconciliation and Interest (“E”).  
12 An adjustment is also included for the Interruptible Revenue Credit (IRC).  
13 Additionally, this schedule calculates the company’s total projected recovery plus  
14 the load balancing revenue and LNG sales demand revenue to determine if these  
15 rates adequately cover the Net Applicable GCR Expense (a Net Over/Under  
16 Recovery amount is displayed to prove the calculation). Schedule 1a details the  
17 price to compare for the PGW rate classes.

18  
19 Schedule 2 identifies the calculation of GCR Firm Sales in Mcfs (“S”) and the  
20 Applicable Volumes. The company utilizes Total Volumes and subtracts the  
21 volumes associated with Firm Transportation, Interruptible Sales, LNG Sales and  
22 AC Sales to arrive at GCR Firm Sales (“S”). Also included in Schedule 2 are the  
23 Applicable Volumes which is comprised of GCR Firm Sales less 20% of the sales  
24 attributable to Senior Citizens (Senior Citizen Discount Sales) plus the Firm  
25 Transportation Volumes.

26  
27 Schedule 3 identifies the Projected Applicable Fuel Expense. Specifically, this  
28 schedule identifies PGW’s Net Natural Gas Expense and Total Applicable  
29 Expenses. To arrive at the Net Natural Gas Expense, the total cost of commodity  
30 and pipeline charges for firm sales are calculated per month. Two credits are then

1 applied for the portion of gas costs recovered from PGW's Interruptible Sales  
2 customers (i.e. the "Interruptible & A/C Credit") and for gas used by PGW (i.e.  
3 "Gas Used by Utility"). Next, the Company calculates the net effect of gas  
4 supplies being transferred into and out of storage and LNG. The result is the Net  
5 Natural Gas Expense. To arrive at the Total Applicable Expenses in Schedule 3,  
6 the fuel expenses for Purchased Electric and miscellaneous are added to the Net  
7 Natural Gas Expenses to arrive at Total Applicable Expenses.

8  
9 Schedule 4(a) is the actual/estimated data for FY 17. Schedule 4(b) is the C factor  
10 Reconciliation for FY 17. Schedule 4(c) is the E factor Reconciliation for FY 17.  
11 Schedule 4(d) is the IRC Revenue Billed for FY 17. Schedule 4(e) is the  
12 Reconciliation of Demand Charges for FY 17.

13  
14 Schedule 5(a) ("Interest Rate Calculation") provides the interest rate for the  
15 over/under recovery and is calculated on the over/under recovery in calendar year  
16 2016. Schedule 5(b) ("Interest Calculation") provides the calculation of the  
17 interest expense or credit for the period of September 2016 through August 2017  
18 for the under/over recovery of fuel costs and the interest for the natural gas  
19 refunds. Schedule 5(b1) is the interest adjustment calculation for the period of  
20 January, 2016 through August 2016. Schedule 5(c) ("Interest on Natural Gas  
21 Refunds") provides information on historic refunds that have been received by the  
22 Company resulting from various cases before the Federal Energy Regulatory  
23 Commission and the interest on these refunds. Schedule 5(d) provides the  
24 calculation of the interest for the demand and commodity charges.

25  
26 Schedule 6 presents the load balancing revenue for the forecast period of  
27 September 2017 to August 2018.

28  
29 Schedule 7 calculates total projected recovery with the proposed GCR.  
30



1 Schedule 8 shows the changes in rates identifying the proposed changes to the  
2 GCR and distribution charge and the impact on the proposed total commodity  
3 rate.

4  
5 Schedule 9(a) shows the calculation of the Universal Service & Energy  
6 Conservation Surcharge to be effective September 1, 2017. Schedule 9(b) is the  
7 reconciliation of the Universal Service & Energy Conservation Surcharge for  
8 period of September 2016 to August 2017.

9  
10 Schedule 10(a) shows the calculation of the Interruptible Revenue Credit to be  
11 effective September 1, 2017. Schedule 10(b) is the forecasted Interruptible  
12 Revenue Margin for Fiscal Year 2018. Schedule 10(c) is the reconciliation of the  
13 Interruptible Revenue Credit for Fiscal Year 2016.

14  
15 Schedule 11(a) shows the calculation of the Other Post Employment Benefit  
16 (OPEB) Surcharge to be effective September 1, 2017. Schedule 11(b) is the  
17 reconciliation of the OPEB Surcharge for Fiscal Year 2016.

18  
19 Schedule 12(a) shows the calculation of the Efficiency Cost Recovery Surcharge  
20 to be effective September 1, 2017. Schedule 12(b) shows the reconciliation of the  
21 Efficiency Cost Recovery Surcharge for the Fiscal Year 2017.

22  
23 Schedule 13(a) is the calendar year 2016 reconciliation of the Supplier and  
24 Storage Peaking Charge (SSPC) and Schedule 13(b) is the 2016 SSPC expense  
25 and interest calculation.

26  
27 Schedule 14 sets the load balancing charge to be effective September 1, 2017.

28  
29 Schedule 15 identifies the natural gas prices that were used in the preparation of  
30 this filing.

1 Schedule 16 is the annual reconciliation of its retainage rate and lost and  
2 unaccounted for rate.

3  
4 Schedule 17(a) is the Restructuring and Consumer Education Surcharge and  
5 Schedule 17(b) is the Restructuring and Consumer Education Expense.

6  
7 **Q. WHAT IS THE TIME PERIOD FOR FORECASTING PGW'S FUTURE**  
8 **GAS COSTS?**

9  
10 A. PGW's forecast period is a twenty (20) month period that commences on January  
11 1, 2017 (two months before this filing) and eight months before the effective date  
12 of the tariff on September 1, 2017. The 2017-18 GCR year is from September 1,  
13 2017 to August 31, 2018, however, since the required forecast covers 20 months,  
14 it must begin eight months earlier, consistent with Commission regulations.

15  
16 **Q. PLEASE PROVIDE A GENERAL DESCRIPTION OF PGW'S RATE**  
17 **DESIGN AND GCR CALCULATION METHODOLOGY.**

18  
19 A. The volumetric rates charged to PGW's customers are the distribution charge and  
20 the Gas Cost Rate plus the Merchant Function Charge (MFC) and Gas  
21 Procurement Charge (GPC). The distribution charge consists of the Delivery  
22 Charge; the Universal Service and Energy Conservation Surcharge; the Other Post  
23 Retirement Benefit Surcharge; the Efficiency Cost Recovery Surcharge; and  
24 Restructuring and Consumer Education Surcharge. The Universal Service and  
25 Energy Conservation Surcharge provides for the recovery of Customer  
26 Responsibility Program (CRP) discounts; Senior Citizen Discounts; the costs of  
27 the Enhanced Low Income Retrofit Program (ELIRP); and CRP arrearage  
28 forgiveness. The Other Post Retirement Benefit Surcharge recovers the amount to  
29 fund these obligations. The Efficiency Cost Recovery Surcharge recovers the cost  
30 of the energy efficiency programs.

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30

The second element of the rate is the Gas Cost Rate or GCR factor. This charge is a mechanism used to flow through the costs of natural gas costs and other raw materials in a timely and equitable manner. The specific elements of PGW's GCR are set forth in PGW's Tariff.

Generally, the cost of gas purchased to serve the requirements of PGW's customers constitutes the largest single item in the delivered price of gas. In the past, all natural gas costs were recovered through base rates (distribution charge). However, in the early 1970's, the price of gas lost its stability and underwent rapid escalation during and after a worldwide oil crisis. To combat this instability and prevent the economic harm to all parties caused by regulatory lag in reflecting these price fluctuations in base rates, the concept of a fuel adjustment surcharge mechanism was introduced by PGW. This mechanism provides the flexibility to rapidly reflect current conditions without the time delay inherent in a full-scale base rate alteration. The intent is to achieve an annual balance of the costs incurred for fuel and its pass-through to customers. The costs for pipeline transportation, storage capacity and related fuel prices charged by the interstate pipeline suppliers are largely outside of distributor control. The State Public Utility Commission oversees the pass-through of these charges and the balancing activity. The Gas Cost Rate Section in PGW's Tariff identifies the appropriate formula for such a balance and the charges that may be recovered through this mechanism. Charges for natural gas and other raw materials are included in the GCR. In addition, the interest expense for the over or under recovery of gas costs and natural gas refunds are also included in the GCR. No labor or profit component is added by PGW. The GCR represents the direct pass-through of actual costs incurred.

Only costs related to meeting customer sendout requirements, including associated plant fuel, may be included as a fuel expense for GCR purposes.

1 Purchases diverted into storage and/or LNG become an expense only when  
2 withdrawn for customer delivery. Costs associated with purchases made to supply  
3 interruptible customers are excluded from the Total Applicable GCR Expenses  
4 used to calculate the GCR. Also, demand costs for pipeline transportation for the  
5 firm transportation customers are excluded from the GCR.

6  
7 Various adjustments are then made to the total applicable expenses eligible for the  
8 GCR. Natural gas refunds and interest on the refunds are credited in the  
9 calculation of the GCR in the fiscal year received. An adjustment is made to  
10 correct for any over or under recovery during the previous period resulting from  
11 differences between rates used to project the prior GCR and those actually  
12 experienced. The interest expense or credit on the over or under recovery is  
13 applied to calculate the total adjustment. An additional adjustment is also made  
14 for the Interruptible Revenue Credit which is a credit that firm sales customers  
15 receive for the interruptible sales margin.

16  
17 To determine the unit level of the GCR, the remaining total expenses must be  
18 divided by the sum of the volumes over which they can be effectively distributed.

19  
20 **Q. WHAT IS THE BASIS FOR THE PRICES USED IN DETERMINING THE**  
21 **GAS COSTS USED IN THIS FILING?**

22  
23 **A.** The pricing methodology utilized by the Company is consistent with that used in  
24 the recent quarterly filings with the inclusion of the additional months in the 20-  
25 month forecast. Specifically, the company utilized actual prices for January 2017  
26 and the NYMEX Futures close data (as of January 13, 2017) for the 19 forecast  
27 months of February 2017 through August 2018.

1 **Q. HOW DOES THE GCR FOR THE FORECAST PERIOD COMPARE**  
2 **WITH THE GCR FORECASTED IN THE COMPANY'S LAST ANNUAL**  
3 **GCR FILING?**

4  
5 A. The GCR forecasted for 2017-2018 is higher than the level PGW had forecasted  
6 for the 2016-2017 GCR. The level of costs in the 2017-2018 period are being  
7 influenced by the increase in prices for natural gas compared to the prior year.

8  
9  
10 **Q. DESCRIBE THE LEVEL OF HEATING DEGREE-DAYS THAT WERE**  
11 **USED IN YOUR ANALYSIS.**

12  
13 A. The Company utilizes the temperatures recorded at the PGW Richmond Plant to  
14 calculate the average temperature for a given day. The Company subtracts the  
15 average temperature from 65 degrees to calculate the number of degree-days for  
16 the day. The degree-days for all of the days in the year are aggregated to arrive at  
17 the total number of degree-days for the year. Next, the Company calculates the  
18 average heating degree-days for the past 10 years to arrive at the forecasted  
19 heating degree-days in a normal year and in this filing PGW is using the 10 year  
20 average of 3,855 degree days.

21  
22 **Q. HOW HAS THE COMPANY CALCULATED THE NUMBER OF**  
23 **CUSTOMERS IN EACH RATE CLASS?**

24  
25 A. PGW determined the actual number of customer billings on December 31, 2016  
26 using the PGW Gas Sales and Revenue Reports. Next, the Marketing Department  
27 load forecast was used to factor in the addition and loss of customers. Finally, the  
28 customer numbers were adjusted for the loss of customers due to non-payment  
29 terminations.

1 **Q. WHAT IS THE METHODOLOGY FOR CALCULATING THE WEATHER**  
2 **NORMALIZED BILLED SALES?**

3  
4 A. PGW used a two step process to arrive at the appropriate level of usage  
5 per customer. First, a trial domestic factor is developed by class of  
6 customers from sales reported for the previous year's summer months.  
7 This average factor is then utilized in the sendout formula with the  
8 customer counts for the months of July, August and September. A  
9 comparison between what the formula calculates and the actual  
10 experienced for those three months is ascertained and the trial domestic  
11 factors are finalized to replicate the total sendout experienced. The  
12 finalized domestic factors (DOMS) are then utilized in conjunction with  
13 the actual sales and customer counts for the months of December,  
14 January and February to determine the average Mcf per degree day for  
15 each of the individual months for the remaining temperature sensitive  
16 load. The results are weighted by degree-days to give an average value  
17 which is utilized as a trial value for the heating factor.

18  
19 The finalized domestic factor and the trial heating factor developed, as  
20 such, are then applied in the sendout calculations together with  
21 customer counts for the months of December, January and February (the  
22 peak winter cold period) to project an estimated sendout for each of  
23 these months. The projected sendout is then compared with the actual  
24 sendout experienced. Any variation between the projected and actual is  
25 adjusted to force the replication of the actual sendout experience, thus  
26 resulting in the determination of a finalized heating factor.

27  
28 Utilizing these domestic and heating factors, billed sales are then  
29 forecasted using 3,855 degree days and the number of customers.  
30

1 **Q. WHAT IS THE UNACCOUNTED FOR GAS PERCENTAGE USED IN**  
2 **THIS FILING?**

3

4 A. The level of unaccounted for gas and retainage rate used in this filing is 3.2 % and  
5 is based on a 3-year average.

6

7 **Q. WHAT IS THE TOTAL AMOUNT OF OFF SYSTEM SALES, CAPACITY**  
8 **RELEASE CREDITS, AND ASSET MANAGEMENT CREDITS THAT**  
9 **ARE INCORPORATED INTO THE GCR?**

10

11 A. PGW has projected that the amount of off system sales, capacity release credits,  
12 and asset management credits within the GCR period of 2017-18. This amount is  
13 based on a 3 year average. Of that amount \$5,895,143 (75%) was credited to the  
14 GCR.

15

16

17 **Q. BASED UPON THE ABOVE SUPPORTING DATA, DO YOU BELIEVE**  
18 **THAT PGW'S GAS COSTS ARE REASONABLE?**

19

20 A. Yes, PGW's GCR only contains the direct pass-through of actual costs incurred  
21 and projections of the same (for both gas costs and certain non-gas costs that were  
22 previously approved by the PUC). As stated by Mr. Snyder in his testimony,  
23 PGW follows a least cost gas procurement strategy.

24

25 **Q. DOES THIS CONCLUDE YOUR TESTIMONY?**

26

27 A. Yes.

# Tab 6



BEFORE THE  
PENNSYLVANIA PUBLIC UTILITY COMMISSION

DIRECT TESTIMONY OF

**RAYMOND M. SNYDER**

ON BEHALF OF  
PHILADELPHIA GAS WORKS

Docket Number R-2017-2587526

Philadelphia Gas Works  
Proposed 2016 Annual GCR Adjustment

March 1, 2017

1 **I. INTRODUCTION**

2 **Q. PLEASE STATE YOUR NAME AND CURRENT POSITION WITH PGW.**

3 A. My name is Raymond M. Snyder. My position with PGW is Senior Vice President of  
4 Gas Management.

5 **Q. PLEASE SUMMARIZE YOUR BACKGROUND AND EXPERIENCE.**

6 A. I received a Bachelor of Science degree in Civil Engineering from Pennsylvania State  
7 University in 1979. I have also received a Masters in Engineering Management from  
8 Drexel University in 1988. I am a registered Professional Engineer in Pennsylvania.  
9 I have held the following positions at PGW: Engineering Assistant; Assistant Staff  
10 Engineer; Staff Engineer; Senior Staff Engineer; Assistant Manager, Engineering;  
11 Manager, Engineering; Director, Operations Systems Administration; Director, Gas  
12 Processing; and Vice President, Gas Management.

13 **Q. HAVE YOU EVER PROVIDED TESTIMONY BEFORE THIS COMMISSION?**

14 A. Yes. I submitted testimony for the PGW 1307f Annual GCR Filings in Docket Nos. R-  
15 2013-2346376, R-2014-2404355 R-2015-2465656 and R-2016-2526700.

16 **Q. WHAT IS THE FOCUS OF YOUR TESTIMONY IN THIS PROCEEDING?**

17 A. My testimony discusses:

- 18 • PGW's gas purchasing policies and strategies applicable to FY 2018 (September  
19 1, 2017 through August 31, 2018) and FY 2017 (September 1, 2016 through  
20 August 31, 2017);
- 21 • PGW's design day requirement;
- 22 • Capacity release, off-system sales and asset management fee sharing and
- 23 • Price analysis and buying advisory service

24

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23

**Q. PLEASE PROVIDE A GENERAL DESCRIPTION OF PGW'S GAS DISTRIBUTION SYSTEM.**

A. PGW's gas distribution system is located in Southeastern Pennsylvania in the County and City of Philadelphia. Since this is not a gas-producing area, PGW and its natural gas customers are dependent upon the interstate natural gas pipeline system to deliver natural gas into the PGW gas distribution system. PGW relies on the interstate pipeline for all natural gas supply, storage, and transportation services, except for PGW's own on-system peak shaving facilities. PGW owns and operates two LNG facilities that are used primarily both to meet intraday, daily and seasonal supply needs as well as to meet peak day requirement.

**Q. PLEASE IDENTIFY PGW'S CURRENT INTERSTATE SUPPLIERS.**

A. Spectra Energy's Texas Eastern Transmission pipeline and Williams' Transco Gas Pipeline comprise the two interstate natural gas pipelines that deliver gas to PGW's city gates. In addition, PGW uses off-system natural gas storage services to meet winter peak requirements.

**II. GAS PURCHASING POLICIES AND SUPPLY STRATEGY**

**Q. DOES PGW UTILIZE A LEAST-COST PROCUREMENT POLICY IN ITS GAS PURCHASING POLICIES AND SUPPLY STRATEGY?**

A. Yes.

**Q. PLEASE DESCRIBE PGW'S SUPPLY STRATEGY.**

1 A. PGW's supply strategy<sup>1</sup> (which is currently being used during the FY 2017 GCR period  
2 and which the Company intends to use for the FY 2018 GCR period) is a portfolio  
3 approach in both contract structure and pricing. The portfolio approach of purchasing gas  
4 supply allows PGW to remove some of the volatility in purchasing natural gas supplies  
5 for its ratepayers. Without the use of the portfolio approach, firm ratepayer would be  
6 totally at the mercy of market volatility.

7 The Company's gas supply portfolio is divided into four distinct categories: (1)  
8 daily index price swing contracts; (2) physical forward purchased contracts; (3) storage;  
9 and (4) LNG.

10 (1) The advantage of daily index priced swing contracts are their operational  
11 flexibility which allows PGW to increase or decrease the volume in response to changes  
12 in sendout requirements. During certain time periods, these types of contracts also  
13 provide security of supply.

14 (2) The Company enters into physical forward purchased contracts for summer  
15 and winter baseload supplies. These contracts permit the Company to make discretionary  
16 physical forward purchases on a year-round basis.

17 (3) The Company utilizes storage fields which act as additional sources of supply.  
18 The gas procured under these contracts also act as a physical fixed price counter to  
19 market conditions.

20 (4) The Company operates its own LNG peak shaving liquefaction, vaporization,  
21 and storage facilities.

---

<sup>1</sup> All natural gas supply strategies are presented to the Company's internal Supply Committee for review and approval. The Supply Committee is comprised of senior corporate management as well as Gas Supply, Gas Planning and Regulatory departmental management. The Supply Committee meets monthly.

1           Spectra Energy and Williams Gas Pipeline represent the only interstate pipeline  
2 facilities with physical connections to the PGW service territory. As a result, all of  
3 PGW's supply contracts utilize these pipelines and the contracts also recognize pipeline  
4 receipt and delivery rights. These contracts contain the ability to "lock up" the price for  
5 upcoming months or to have the pricing default to an agreed upon market index if there is  
6 no market advantage in fixing a price before the month begins. As a result, PGW not  
7 only ensures security of supply from the pipelines but also can take advantage of varying  
8 basis differentiated pricing in the market. This differentiated pricing results from the fact  
9 that all shippers of natural gas receive their gas at varying locations along the pipeline.  
10 PGW uses a city-gate delivered price in comparing the various alternatives available.  
11 The city gate delivered price is computed considering the "into the pipe price of gas" plus  
12 all incremental charges levied by the transporting pipeline to deliver the gas to the city  
13 gate. These prices include, but are not limited to, reservation fees, fuel, transportation  
14 charges and FERC Annual Charge Adjustment ("ACA") charges.

15           Additionally, PGW utilizes storages and LNG to meet operational requirements.  
16 Bundled storage contracts provide for the right both to the storage of the gas and its  
17 delivery to PGW via bundled pipeline capacity. Unbundled storage contracts provide  
18 storage rights for gas which is transported on PGW firm pipeline transportation capacity.  
19 These storages provide off-system storage and LNG provides on-system storage. While  
20 both types of storages are important to fulfill operational requirements, PGW's on-system  
21 LNG storage is vital during peak days when customer demand exceeds the amount of gas  
22 that can be physically provided through PGW's city gates.

1           Once operational requirements are met, these assets are then used in the overall  
2 cost saving strategies. For example, once design winter sendout requirements are  
3 ensured, the Company may utilize bundled storage and LNG as a substitute for higher  
4 priced gas. PGW's summer gas procurement policy uses a similar approach to address  
5 system supply and storage refill. The Gas Supply department also uses forecasted prices  
6 as a benchmark to purchase gas volumes for both system supply and storage refill below  
7 the projected cost (when possible) on a proportional basis, while leaving a portion of its  
8 needs to default to first of the month pricing.

9 **Q. DOES PGW PURCHASE GAS FROM ANY AFFILIATED INTEREST?**

10 A. No. PGW does not have any affiliated gas suppliers or pipelines.

11 **Q. DOES PGW TAKE STEPS TO ENSURE SYSTEM RELIABILITY WHILE**  
12 **SEEKING TO PROCURE GAS AT THE LEAST COST?**

13  
14 A. Yes. PGW physically sources the gas in accordance with its firm pipeline paths. The  
15 pipelines give PGW firm entitlements on their systems for the sourcing of gas for which  
16 PGW pays a demand charge. By sourcing supply in this way, PGW ensures its sole  
17 entitlement to this space on the pipeline and cannot be accused of infringement.  
18 Transporting gas from different locations also mitigates the impact of potential regional  
19 disruptions because not all of the supply enters the pipe at the same location. As a result,  
20 if there is a disruption at one location, not all of PGW's supply will be affected.

21  
22 PGW's Gas Planning Department also runs a supply status model during the winter  
23 operating season which recognizes normal and design winter conditions and the latest  
24 actual balance of gas in all storage facilities. Gas Management utilizes the output of this

1 model to make recommendations or changes in its supply operating strategy to ensure  
2 that peak day needs and design winter conditions can be met from that point forward.

3 **Q. DOES PGW PERIODICALLY REVIEW ITS EXISTING CONTRACTS TO**  
4 **DETERMINE IF THEY ARE APPROPRIATE?**

5  
6 A. Yes. PGW reviews each of its existing contracts on a regular basis to ensure that none of  
7 the contracts are adverse to its customers' interests. Whenever appropriate, PGW  
8 initiates renegotiations (if the contract permits) to change the terms.

9 **Q. IN YOUR OPINION, ARE THE GAS COSTS INCURRED BY PGW**  
10 **REASONABLE?**

11  
12 A. Yes. The 2015-2016 gas costs and the gas costs incurred to date during the 2016-2017  
13 period are the result of the least cost gas procurement strategy outlined in my testimony  
14 and are therefore reasonable.

15  
16 **III. DESIGN DAY REQUIREMENT**

17 **Q. PLEASE PROVIDE AN OVERVIEW OF THE DESIGN DAY REQUIREMENT.**

18 A. Details of PGW's design day methodology and an account of the 2016/2017 winter  
19 design day requirement can be found in the responses to items 53.64 (c)(13) and  
20 53.64(c)(14) which were provided in PGW's February 1, 2017 GCR Filing.

21  
22 **IV. CAPACITY RELEASE, OFF-SYSTEM SALES MARGIN AND ASSET**  
23 **MANAGEMENT CREDITS/FEES**

24  
25 **Q. HAS PGW BEEN RETAINING A PORTION OF NET PROCEEDS FROM**  
26 **CAPACITY RELEASE CREDITS, OFF-SYSTEM SALES MARGIN AND**  
27 **ASSET MANAGEMENT CREDITS/FEES?**  
28

1 A. Yes. During the 2008-2009 GCR proceeding (Docket No. R-2008-2021348), the parties  
 2 agreed that PGW will retain 25% of all off-system sales margins and capacity release  
 3 credits with the remaining 75% applied as an offset to purchased gas costs for the  
 4 retention period of September 1, 2008 to August 31, 2011. Likewise, the parties agreed  
 5 that PGW will retain 25% of all off-system sales margins, capacity release credits and  
 6 asset management margins/credits/fees<sup>2</sup> with the remaining 75% applied as an offset to  
 7 purchased gas costs for the following GCR proceedings and retention periods:

| GCR Proceeding | Docket No.     | Retention Period  |
|----------------|----------------|-------------------|
| 2012-2013      | R-2012-2286447 | 9/1/12 to 8/31/13 |
| 2013-2014      | R-2013-2346376 | 9/1/13 to 8/31/14 |
| 2014-2015      | R-2014-2404355 | 9/1/14 to 8/31/15 |
| 2015-2016      | R-2015-2465656 | 9/1/15 to 8/31/16 |
| 2016-2017      | R-2016-2526700 | 9/1/16 to 8/31/16 |

8  
 9 The Company also agreed to include an off-system sales margin, capacity release credit  
 10 and asset management margins/credits/fees retention proposal for the Purchased Gas Cost  
 11 period(s) beginning on September 1, 2016 in its March 1, 2016 annual 1307(f) filing.

12 **Q. DOES PGW HAVE A RETENTION PROPOSAL FOR THE PGC PERIODS**  
 13 **BEGINNING ON SEPTEMBER 1, 2017?**  
 14

---

<sup>2</sup> Asset management margins/credits/fees are received when PGW enters into a contract with a third party to manage all or part of a storage contract or firm pipeline transportation contract.



1 A. Yes. PGW proposes to continue the retention of 25% of capacity release credits, off  
2 system sales margin and asset management margin/credit/fees and the application of the  
3 remaining 75% to the gas cost rate.

4 **Q. DO OTHER PENNSYLVANIA NATURAL GAS DISTRIBUTION COMPANIES**  
5 **(“NGDCs”) HAVE SHARING MECHANISMS FOR CAPACITY RELEASE AND**  
6 **OFF SYSTEM SALES CREDITS?**

7  
8 A. Yes. Please see Exhibit RMS-1 for a chart which provides a description of the sharing  
9 mechanisms currently in place. Six of the largest NGDCs have sharing mechanisms  
10 similar to PGW’s and the sharing percentage for all of the NGDCs is 25%.

11 **Q. HOW ARE SHARING MECHANISMS BENEFICIAL TO BOTH RATEPAYERS**  
12 **AND UTILITES?**

13  
14 A. The ratepayers and the utility receive benefit from the policy because it creates an  
15 incentive to maximize efforts to make off system sales and capacity release transactions,  
16 thereby increasing the amounts applied to the gas cost rate and the lesser portion retained  
17 by the utility.

18

19 **V. PRICE ANALYSIS AND BUYING ADVISORY SERVICE**

20 **Q. DOES PGW CURRENTLY USE A PRICE ANALYSIS AND BUYING**  
21 **ADVISORY SERVICE AS PART OF ITS EFFORTS TO OBTAIN GAS AT**  
22 **LEAST COST?**

23 A. Yes. It does; it utilizes a firm called Plananytics to provide such services.

24 **Q. WHAT TYPES OF SERVICES DOES PLANANYTICS PROVIDE TO PGW?**

25 A. Plananytics provides the following services:

26 • Price feed from Nymex and Globex for natural gas, crude oil, heating oil and  
27 RBOB (reformulated gasoline);

28 • Buying suggestions up to 18 months in the future;

- 1 • A charting tool for technical analysis;
- 2 • Short and medium range weather forecasts;
- 3 • Weather alerts (issued in advance of significant weather events);
- 4 • Planalytic's pre-season hurricane forecast and in-season updates; and
- 5 • Additional energy buyer features include reporting (i.e. mark-to-market,
- 6 transaction history, etc.) and portfolio/hedging parameters.

7 **Q. WHAT WAS INCORPORATED INTO PGW'S 2016-2017 GCR PROCEEDING**  
8 **SETTLEMENT AGREEMENT WITH REGARD TO THE PLANALYTICS**  
9 **ENERGY BUYER SERVICES?**

10 A. PGW agreed to the following:

11 PGW is permitted to recover the Planalytics fee for price analysis and buying  
12 advisory services (not to exceed \$125,000) for the 2016-2017 GCR period.  
13 Continued recovery of the fee beyond the 2016-2017 GCR period must be  
14 addressed in next year's Purchased Gas Cost proceeding.  
15

16 **Q. DOES PGW WISH TO CONTINUE THE PLANALYTICS BUYING ADVISORY**  
17 **SERVICES?**

18 A. Yes. The Planalytics' service provides a comprehensive amount of information that the  
19 Company finds useful in the procurement of all gas supply. Nonetheless, PGW  
20 understands that it must reach a new agreement as to the continuing recovery of the  
21 Planalytics fee and the Company looks forward to discussing this issue with the parties  
22 involved in this year's proceeding.  
23

24 **VII. TRANSCO ESS STORAGE**

25 **Q. HAS PGW TERMINATED ANY STORAGE CONTRACTS IN THE 2016-2017**  
26 **GCR PERIOD?**

27 A. Yes, the Company terminated two storage contracts with Transco. PGW sent  
28 Termination Notices to Transco on 9/15/2015. The schedule below details the terms and

1 conditions of the ESS storage contract agreements. The Termination Notice applies to  
2 Contract No. 1039085 which terminated on 3/31/2016 and Contract No. 1010416 which  
3 terminated on 10/31/2016.

| <u>Contract No. 1039085 (Volumes)</u> |         | <u>Contract No. 1010416 (Volumes)</u> |         |
|---------------------------------------|---------|---------------------------------------|---------|
| Capacity                              | 439,455 | Capacity                              | 323,416 |
| Demand                                | 52,077  | Demand                                | 38,327  |
| Injection                             | 4,346   | Injection                             | 3,198   |

9 **Q. WHY DID PGW TERMINATE THE TRANSCO STORAGE CONTRACT?**

10 A. PGW conducts annual reviews of pipeline and storage contracts to evaluate need with  
11 respect to supply security and cost. The two Transco ESS contracts are unbundled  
12 storages. The primary benefits of these contracts were for supply security in the event of  
13 supply interruptions due to hurricanes in the gulf producing region and second, for  
14 summer price advantages. Because of the shift in producing regions that now include  
15 proven supply from the Appalachia region, the risk of supply interruptions from gulf  
16 hurricanes has been mitigated.. Secondly, the ESS contracts had become PGW's highest  
17 unit cost storages, offsetting the summer price advantages.

18  
19 **VIII. HAS PGW IMPLEMENTED A NEW INTEGRATED GAS MANAGEMENT**  
20 **SYSTEM (IGMS) THAT WILL IMPROVE INFORMATION AND FLEXIBILITY**  
21 **FOR THIRD PARTY SUPPLIERS, INCLUDING THE FUTURE POTENTIAL TO**  
22 **TRADE POOL IMBALANCES?**

23 A. PGW is in the process of testing the retail operations module of the new IGMS. In service  
24 date is expected in the summer of 2017. The new application will have the ability, with some  
25 added configuration, to allow third party suppliers to trade pool imbalances

1  
2  
3  
4  
5 A.  
6

| Month        | Load              | Delivery          | Imbalance      | Position          | Band 1 Charges         | Band 2 Charges       | Total Cashout          | Average Cashout Price |
|--------------|-------------------|-------------------|----------------|-------------------|------------------------|----------------------|------------------------|-----------------------|
| Sep-14       | 733,134           | 737,228           | 4,094.00       | Oversupply        | \$ (4,275.41)          | \$ (2,686.61)        | \$ (6,962.03)          | \$ 1.70               |
| Oct-14       | 835,028           | 842,048           | 7,020.00       | Oversupply        | \$ (14,392.13)         | \$ -                 | \$ (14,392.13)         | \$ 2.05               |
| Nov-14       | 1,292,558         | 1,300,370         | 7,812.00       | Undersupply       | \$ (49,874.08)         | \$ 50,325.78         | \$ 451.70              | \$ 0.06               |
| Dec-14       | 1,575,568         | 1,603,214         | 27,646.00      | Oversupply        | \$ (77,105.43)         | \$ (1,782.76)        | \$ (78,888.19)         | \$ 2.85               |
| Jan-15       | 1923613           | 1922379           | -1,234.00      | Undersupply       | \$ 6,108.90            | \$ -                 | \$ 6,108.90            | \$ 4.95               |
| Feb-15       | 2064002           | 2079656           | 15,654.00      | Oversupply        | \$ (216,520.39)        | \$ 80,671.58         | \$ (135,848.82)        | \$ 8.68               |
| Mar-15       | 1595494           | 1,593,228         | -2,266.00      | Undersupply       | \$ 7,245.35            | \$ -                 | \$ 7,245.35            | \$ 3.20               |
| Apr-15       | 1072081           | 1,073,614         | 1,533.00       | Oversupply        | \$ 3,883.79            | \$ (3,897.78)        | \$ (13.99)             | \$ 0.01               |
| May-15       | 748175            | 754,659           | 6,484.00       | Oversupply        | \$ (7,391.85)          | \$ (3,255.57)        | \$ (10,647.42)         | \$ 1.64               |
| Jun-15       | 716877            | 723,603           | 6,726.00       | Oversupply        | \$ (11,342.36)         | \$ (688.75)          | \$ (12,031.11)         | \$ 1.79               |
| Jul-15       | 709652            | 703,926           | -5,726.00      | Undersupply       | \$ 8,791.27            | \$ 2,343.92          | \$ 11,135.19           | \$ 1.94               |
| Aug-15       | 729,771           | 737,131           | 7,360.00       | Oversupply        | \$ (11,491.71)         | \$ (1,118.04)        | \$ (12,609.75)         | \$ 1.71               |
| <b>TOTAL</b> | <b>13,995,953</b> | <b>14,071,056</b> | <b>-75,103</b> | <b>Oversupply</b> | <b>\$ (366,364.07)</b> | <b>\$ 119,911.76</b> | <b>\$ (246,452.31)</b> | <b>\$ 3.28</b>        |

7  
8  
9

10 **Q. DOES THIS CONCLUDE YOUR DIRECT TESTIMONY?**

11 A. Yes.