

Philadelphia Gas Works
Before The
Pennsylvania Public Utility Commission

**Computation of Annual Purchased Gas Costs
For Twelve Months Ending August 31, 2017**

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, 2016

**Philadelphia Gas Works
66 Pa.C.S. § 1307(f) – 2016**

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52 Pa. Code §§ 53.64(c) and 53.65**

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

Supplement No. 65

PHILADELPHIA GAS WORKS

GAS SUPPLIER TARIFF



Issued by: Craig White
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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, 2016 is \$38.0443 per design day Mcf.

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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 \$38.0443 per design day Mcf that is fulfilled by PGW storage and peaking assets, for recovery of those costs for Balancing Service, calculated in the manner set forth in the Commission's Order at M-00021612 (entered March 31, 2003) and as set forth below. Such rate for Balancing Service shall be increased or decreased, from time to time, in accordance with applicable law and procedures.

(D)

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

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

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

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

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

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

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

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

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

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

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

(D) – Decrease

**PGW
Gas Service Tariff
Pa P.U.C. No. 2
Supplement No. 91**

PHILADELPHIA GAS WORKS
GAS SERVICE TARIFF



Issued by: Craig White
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List of Changes Made by this Tariff Supplement

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

In the definition of "GAC," the currently effective GAC is is \$(0.02283) per Ccf for Commodity Costs and \$0.00764 per Ccf for Demand Costs and the total GAC is \$(0.01519) per Ccf for service on or after September 1, 2016. In the definition of "IRC," the "IRC" value effective September 1, 2016 is \$0.00016 per Ccf. In the definition of "SSC," The currently effective SSC is \$0.27604 per Ccf for Commodity Costs and \$0.11790 per Ccf for Demand Costs and the total SSC is \$0.39394 per Ccf for service on or after September 1, 2016.

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

The Gas Cost Rate (GCR) effective September 1, 2016 is \$0.37859 per Ccf.

PRICE TO COMPARE (PAGE No. 78)

The Prices to Compare effective March 1, 2016 are: a) \$0.40047 per Ccf for Residential; b) \$0.38381 per Ccf for Commercial Customers on Rate GS; c) \$0.38389 per Ccf for Industrial Customers on Rate GS; and d) \$0.38275 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)

Restructuring and Consumer Education Surcharge = \$0.00089/Ccf

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

The Universal Service and Energy Conservation Surcharge effective September 1, 2016 is \$0.11095/Ccf.

OTHER POST EMPLOYMENT BENEFIT SURCHARGE (PAGE No. 82)

The Other Post Employment Benefit Rider Surcharge effective September 1, 2016 is \$0.03450/Ccf

GENERAL SERVICE – RATE GS (PAGE No. 83)

The Gas Cost Rate (GCR) effective September 1, 2016 is \$0.37859 per Ccf.

MUNICIPAL SERVICE – RATE MS (PAGE No. 87)

The Gas Cost Rate (GCR) effective September 1, 2016 is \$0.37859 per Ccf.

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

The Gas Cost Rate (GCR) effective September 1, 2016 is \$0.37859 per Ccf.

DEVELOPMENTAL NATURAL GAS VEHICLE SERVICE – RATE NGVS (PAGE No. 135)

The Gas Cost Rate (GCR) effective September 1, 2016 is \$0.37859 per Ccf.

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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 \$(0.02283) per Ccf for Commodity Costs and \$0.00764 per Ccf for Demand Costs, for service on or after September 1, 2016. *The total GAC is \$(0.01519) per Ccf.*

(I)

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

(I) – Increase

PHILADELPHIA GAS WORKS

IRC - Interruptible Revenue Credit - The credit defined in Subsection VI below. The currently effective IRC is \$0.00016 per Ccf for service on or after September 1, 2016. (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 \$0.27604 per Ccf for Commodity Costs and \$0.11790 per Ccf for Demand Costs, for service on or after September 1, 2016. The total SSC is \$0.39394 per Ccf. (I)

(I)– Increase; (D) – Decrease

III. COMPUTATION OF GAS COST RATE

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

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

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 \$0.37859 per Ccf, for service on or after September 1, 2016. (I)

IV. REPORTING REQUIREMENTS

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

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

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

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

V. PROVISION FOR INCLUSION OF SPECIFIC NON-GAS EXPENSES

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

VI. INTERRUPTIBLE REVENUE CREDIT (IRC)

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

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

(D) – Decrease

MERCHANT FUNCTION CHARGE (“MFC”)

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

GAS PROCUREMENT CHARGE (“GPC”)

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

Current Gas Procurement Charge = \$0.00400/Ccf

PRICE TO COMPARE (“PTC”)

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

	GS RES	GS PH	GS COM	GS IND	MS	PHA	NGVS
SSC	\$0.39394	\$0.39394	\$0.39394	\$0.39394	\$0.39394	\$0.39394	\$0.39394
GAC	(\$0.01519)	(\$0.01519)	(\$0.01519)	(\$0.01519)	(\$0.01519)	(\$0.01519)	(\$0.01519)
MFC	\$0.01772	\$0.00000	\$0.00106	\$0.00114	\$0.00000	\$0.00000	\$0.00000
GPC	\$0.00400	\$0.00400	\$0.00400	\$0.00400	\$0.00400	\$0.00400	\$0.00400
PTC	\$0.40047	\$0.38275	\$0.38381	\$0.38389	\$0.38275	\$0.38275	\$0.38275

(C)

(C) - Change

RESTRUCTURING AND CONSUMER EDUCATION SURCHARGE

Non-Gas restructuring and consumer education costs 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 = \$0.00089/Ccf

(I)

(I) - Increase

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 = \$ 0.11095/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 = \$0.03450/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, 2016

AVAILABILITY

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

RATES

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

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

Surcharge: Distribution System Improvement Charge.

Plus,

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

\$ 0.37859 per Ccf for Residential and Public Housing (I)
\$ 0.37859 per Ccf for Commercial Customers (I)
\$ 0.37859 per Ccf for Industrial Customers (I)

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, 2016.

AVAILABILITY

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

RATES

CUSTOMER CHARGE (per Meter (except parallel meters):

\$ 18.00 per month

Surcharge: Distribution System Improvement Charge.

Plus,

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

\$ 0.37859 per Ccf

(I)

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.

(I) – Increase

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

PHILADELPHIA HOUSING AUTHORITY SERVICE - RATE PHA

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

AVAILABILITY

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

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

RATES

CUSTOMER CHARGE (per Meter (except parallel meters);

\$18.00 per month

Surcharge: Distribution System Improvement Charge.

Plus,

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

\$ 0.37859 per Ccf

(I)

Plus

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

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

\$0.41101 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.

(I) – Increase

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

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

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

AVAILABILITY

Tariff

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):

\$ 0.37859 per Ccf

(I)

Plus

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

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

\$0.12833 per Ccf

(B) Surcharges:

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

(I) – Increase; (C) - Change

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

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.

Philadelphia Gas Works

Levelized Gas Cost Rate

1307F Filing - September 1, 2016

Formula:
GCR = SSC + GAC - IRC

where:

	<u>Demand</u>	<u>Commodity</u>	<u>Total</u>	
S = Firm Sales (Mcf)			45,959,516	Schedule 2
Net Natural Gas Expense	\$ 54,871,777	\$ 127,630,302	\$ 182,502,080	
Purchased Electric & Misc Expenses	\$ -	\$ 838,839	\$ 838,839	
C = Total Applicable GCR Expense	\$ 54,871,777	\$ 128,469,142	\$ 183,340,919	Schedule 3
SSC = C / S	\$ 1.1939	\$ 2.7953	\$ 3.9892	
Adjustment For:				
E-Factor Volumes (Mcf)			47,058,505	
Interest	\$ (21,239)	\$ (1,033,067)	\$ (1,054,306)	Schedule 5(b)
E-Factor Reconciliation	\$ 3,640,738	\$ (9,783,197)	\$ (6,142,458)	Schedule 4(b),4(c)
	\$ 3,619,499	\$ (10,816,264)	\$ (7,196,765)	
E = E-Factor	\$ 0.0769	\$ (0.2298)	\$ (0.1529)	
Interruptible Revenue Credit			\$ 73,841	Schedule 10(a)
IRC = Interruptible Revenue Credit / S			\$ 0.0016	
Net Applicable GCR Expenses = C + E - Interruptible Revenue Credit			\$ 176,070,313	
<u>GCR = SSC + GAC - IRC</u>			\$ 3.8347	
SSC in effect 9/01/16	\$ 1.1790	\$ 2.7604	\$ 3.9394	
GAC in effect 9/01/16	\$ 0.0764	\$ (0.2283)	\$ (0.1519)	
IRC in effect 9/01/16			\$ (0.0016)	
GCR in effect 9/01/16			\$ 3.7859	Schedule 7
Recovery Test on:				
Firm Sales (Mcf)			45,959,516	
= GCR Projected Recovery			\$ 173,695,082	
= Load Balancing Revenue			\$ 1,183,734	
= LNG Sales Demand Revenue			\$ 1,193,900	
= Total Projected Recovery			\$ 176,072,716	Schedule 7
Compared To				
Net Applicable GCR Expenses			\$ 176,070,313	
= Net Over/(Under) Recovery			\$ 2,403	
Degree Days			4,237	

Philadelphia Gas Works

Price To Compare (\$ / MCF)

September 1, 2016

	GCR	GCA	SSC	MFC	MFC Charge	GPC Charge	GAC	Price to Compare
	1	2	3 = (1 - 2)	4	5 = (1 * 4)	6	7	8 = (3 + 5 + 6 + 7)
Residential GS	\$3.7859	(\$0.1535)	\$3.9394	4.68%	\$0.1772	\$0.0400	(\$0.1519)	\$4.0047
Commercial GS	\$3.7859	(\$0.1535)	\$3.9394	0.28%	\$0.0106	\$0.0400	(\$0.1519)	\$3.8381
Industrial GS	\$3.7859	(\$0.1535)	\$3.9394	0.30%	\$0.0114	\$0.0400	(\$0.1519)	\$3.8389
Phila. Housing Authority (PHA)	\$3.7859	(\$0.1535)	\$3.9394	0%	\$0.0000	\$0.0400	(\$0.1519)	\$3.8275
Municipal (MS)	\$3.7859	(\$0.1535)	\$3.9394	0%	\$0.0000	\$0.0400	(\$0.1519)	\$3.8275
NGV Firm	\$3.7859	(\$0.1535)	\$3.9394	0%	\$0.0000	\$0.0400	(\$0.1519)	\$3.8275
Phila. Housing Authority (GS)	\$3.7859	(\$0.1535)	\$3.9394	0%	\$0.0000	\$0.0400	(\$0.1519)	\$3.8275

SALES & VOLUMES

SEPTEMBER 2016 THROUGH AUGUST 2017

MONTH	TOTAL VOLUMES	FIRM TRANSPORT VOLUMES	BILLED SALES	INTERRUPTIBLE SALES	LNG SALES	AIR CONDITIONING SALES	GCR FIRM SALES	SENIOR CITIZEN DISCOUNT SALES	APPLICABLE VOLUMES
	1	2	3 = (1 - 2)	4	4A	4B	5 = (3 - 4 - 4A - 4B)	6	7 = (5 - 6 + 2)
SEPTEMBER 2016	1,174,565	166,724	1,007,840	1,199	82,192	2,098	922,352	4,025	1,085,051
OCTOBER	1,810,846	259,029	1,551,816	1,239	84,932	539	1,465,107	7,020	1,717,117
NOVEMBER	3,911,581	452,761	3,458,820	1,199	82,192	-	3,375,430	18,657	3,809,534
DECEMBER	6,700,145	700,348	5,999,797	1,239	84,932	-	5,913,626	33,577	6,580,398
JANUARY 2017	10,568,639	921,159	9,647,480	1,239	84,932	-	9,561,310	55,480	10,426,989
FEBRUARY	9,303,761	797,064	8,506,697	1,119	76,712	-	8,428,866	48,176	9,177,754
MARCH	7,255,933	648,510	6,607,422	1,239	84,932	-	6,521,252	36,124	7,133,638
APRIL	4,966,726	417,336	4,549,391	1,199	82,192	-	4,466,000	24,214	4,859,121
MAY	2,457,747	247,761	2,209,986	1,239	84,932	47	2,123,768	10,389	2,361,140
JUNE	1,460,486	195,475	1,265,011	1,199	82,192	2,363	1,179,257	4,625	1,370,108
JULY	1,337,520	185,937	1,151,584	1,239	84,932	3,443	1,061,970	3,979	1,243,928
AUGUST	<u>1,195,329</u>	<u>165,608</u>	<u>1,029,720</u>	<u>1,239</u>	<u>84,932</u>	<u>2,971</u>	<u>940,579</u>	<u>3,478</u>	<u>1,102,709</u>
TOTAL	52,143,277	5,157,712	46,985,565	14,588	1,000,000	11,461	45,959,516	249,742	50,867,485

**Projected Applicable Fuel Expense
SUMMARY
SEPTEMBER 2016 - AUGUST 2017**

	SEPTEMBER 2016	OCTOBER 2016	NOVEMBER 2016	DECEMBER 2016	JANUARY 2017	FEBRUARY 2017	MARCH 2017	APRIL 2017	MAY 2017	JUNE 2017	JULY 2017	AUGUST 2017	TOTAL
NATURAL GAS BILLED													
DEMAND CHARGE	\$4,470,090	\$4,448,631	\$4,668,817	\$4,715,029	\$4,714,160	\$4,750,085	\$4,652,987	\$4,502,716	\$4,484,192	\$4,500,977	\$4,482,481	\$4,481,611	\$54,871,777
COMMODITY CHARGE	\$4,752,484	\$8,771,217	\$12,800,217	\$18,343,876	\$19,830,222	\$18,024,670	\$16,908,833	\$11,017,551	\$6,063,500	\$3,884,749	\$4,070,199	\$4,089,082	\$128,556,602
TOTAL NATURAL GAS BILLED	\$9,222,575	\$13,219,848	\$17,469,035	\$23,058,906	\$24,544,382	\$22,774,755	\$21,561,820	\$15,520,268	\$10,547,692	\$8,385,726	\$8,552,680	\$8,570,693	\$183,428,379
INTERRUPTIBLE & A/C CREDIT	\$7,809	\$4,501	\$3,154	\$3,462	\$3,608	\$3,244	\$3,541	\$3,188	\$3,281	\$8,952	\$11,961	\$10,808	\$67,509
SENDOUT VOLUME IN MCF	3,403	1,835	1,238	1,279	1,279	1,155	1,279	1,238	1,327	3,676	4,832	4,345	26,884
DKT CONVERSION FACTOR	1.050	1.050	1.050	1.050	1.050	1.050	1.050	1.050	1.050	1.050	1.050	1.050	
PRICE \$/DKT	\$2.1857	\$2.3358	\$2.4273	\$2.5786	\$2.6873	\$2.6747	\$2.6374	\$2.4534	\$2.3541	\$2.3192	\$2.3576	\$2.3691	
GAS USED FOR UTILITY	\$24,086	\$33,053	\$59,228	\$110,204	\$170,634	\$181,628	\$165,044	\$80,738	\$29,337	\$23,501	\$15,645	\$22,401	\$915,497
NATURAL GAS TO STORAGE	(\$2,251,397)	(\$2,277,074)	\$0	\$0	\$0	\$0	\$0	(\$2,131,976)	(\$1,759,583)	(\$1,649,985)	(\$1,748,106)	(\$1,758,008)	(\$13,576,130)
FROM STORAGE PGW	\$0	\$0	\$466,289	\$3,620,024	\$5,849,436	\$3,800,866	\$1,416,924	\$280,261	\$0	\$0	\$0	\$0	\$15,433,801
FT FROM STORAGE	\$0	\$0	\$40,821	\$287,201	\$434,854	\$343,289	\$105,564	\$2,040	\$0	\$0	\$0	\$0	\$1,213,770
NET NATURAL GAS STORAGE	(\$2,251,397)	(\$2,277,074)	\$466,289	\$3,620,024	\$5,849,436	\$3,800,866	\$1,416,924	(\$1,851,715)	(\$1,759,583)	(\$1,649,985)	(\$1,748,106)	(\$1,758,008)	\$1,857,671
LNG TO STORAGE	(\$23,882)	(\$524,829)	(\$992,940)	(\$989,603)	(\$450,793)	(\$301,849)	(\$952,988)	(\$849,266)	(\$266,328)	(\$12,713)	\$0	\$0	(\$5,365,193)
FROM LNG PGW	\$458,004	\$472,442	\$450,613	\$523,936	\$1,043,858	\$934,601	\$466,566	\$451,916	\$465,212	\$449,548	\$464,514	\$464,514	\$6,645,725
FT FROM LNG	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
NET LNG STORAGE	\$434,121	(\$52,387)	(\$542,327)	(\$465,667)	\$593,065	\$632,752	(\$486,422)	(\$397,350)	\$198,884	\$436,835	\$464,514	\$464,514	\$1,280,532
LNG SALES FROM LNG TANK	\$255,288	\$263,687	\$253,299	\$259,661	\$259,882	\$236,489	\$262,226	\$254,342	\$261,640	\$252,723	\$261,130	\$261,130	\$3,081,498
SENDOUT VOLUMES (MCF)	82,192	84,932	82,192	84,932	84,932	76,712	84,932	82,192	84,932	82,192	84,932	84,932	1,000,000
@ AVG LNG COMMODITY RATE	-\$3.1060	\$3.1047	\$3.0818	\$3.0573	\$3.0599	\$3.0828	\$3.0875	\$3.0945	\$3.0806	\$3.0748	\$3.0746	\$3.0746	
NET NATURAL GAS EXPENSE	\$7,118,116	\$10,589,146	\$17,077,316	\$25,839,936	\$30,552,759	\$26,787,013	\$22,061,512	\$12,932,934	\$8,692,736	\$6,887,399	\$6,980,352	\$6,982,860	\$182,502,080
APPLICABLE GCR EXPENSE													
NET NATURAL GAS EXPENSE	\$7,118,116	\$10,589,146	\$17,077,316	\$25,839,936	\$30,552,759	\$26,787,013	\$22,061,512	\$12,932,934	\$8,692,736	\$6,887,399	\$6,980,352	\$6,982,860	\$182,502,080
PURCHASED ELECTRIC & MISC	\$20,266	\$49,261	\$50,657	\$76,359	\$106,765	\$105,355	\$90,001	\$58,660	\$43,842	\$35,613	\$42,123	\$34,939	\$713,839
PLANALYTICS	\$0	\$0	\$0	\$0	\$125,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$125,000
TOTAL APPLICABLE EXPENSES	\$7,138,382	\$10,638,407	\$17,127,973	\$25,916,295	\$30,784,524	\$26,892,368	\$22,151,513	\$12,991,594	\$8,736,578	\$6,923,013	\$7,022,474	\$7,017,799	\$183,340,919
TOTAL GCR FIRM SALES	922,352	1,465,107	3,375,430	5,913,626	9,561,310	8,428,866	6,521,252	4,466,000	2,123,768	1,179,257	1,061,970	940,579	45,959,516

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

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

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

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

Actual Fiscal Year 2015-2016	Sep-2015	Oct-2015	Nov-2015	Dec-2015	Jan-2016	Feb-2016	Mar-2016	Apr-2016	May-2016	Jun-2016	Jul-2016	Aug-2016	FY-2016
	Actual	Actual	Actual	Actual	Estimated	Estimated	Estimated	Estimated	Estimated	Estimated	Estimated	Estimated	Totals
GCR Firm Sales	894,850	1,338,478	2,405,950	3,852,232	7,177,678	8,709,532	6,658,996	4,403,489	2,070,671	1,173,185	1,062,812	941,282	40,689,155
Migration Rider Sales	19,504	22,521	30,764	93,084	171,219	169,067	133,863	84,736	50,258	40,424	38,524	34,337	888,300
GCR Revenue Billed	\$ 3,730,053	\$ 5,461,240	\$ 9,792,985	\$ 14,993,180	\$ 26,510,036	\$ 32,167,786	\$ 23,932,431	\$ 15,388,434	\$ 7,236,167	\$ 4,099,811	\$ 3,714,104	\$ 3,289,403	\$ 150,315,629
Migration Rider Revenue Billed	\$ (2,811)	\$ (4,265)	\$ (5,819)	\$ (17,380)	\$ (31,864)	\$ (31,463)	\$ (29,296)	\$ (21,320)	\$ (12,645)	\$ (10,171)	\$ (9,693)	\$ (8,639)	\$ (185,364)
Load Balancing Billed	\$ 80,989	\$ 78,091	\$ 77,245	\$ 84,959	\$ 98,095	\$ 98,740	\$ 95,360	\$ 95,983	\$ 96,536	\$ 97,160	\$ 97,713	\$ 98,335	\$ 1,099,204
LNG Sales Demand Charge Credit	\$ -	\$ -	\$ -	\$ -	\$ 8,271	\$ 34,266	\$ 28,832	\$ 27,902	\$ 28,832	\$ 27,902	\$ 28,832	\$ 28,832	\$ 213,670
Total Revenue Billed	\$ 3,808,230	\$ 5,535,066	\$ 9,864,410	\$ 15,060,759	\$ 26,584,538	\$ 32,269,328	\$ 24,027,327	\$ 15,491,000	\$ 7,348,890	\$ 4,214,703	\$ 3,830,957	\$ 3,407,931	\$ 151,443,139
Natural Gas Refunds	\$ -	\$ 6,382	\$ 2,005	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,387
Demand Charges	\$ 4,900,132	\$ 4,875,008	\$ 4,906,154	\$ 4,882,448	\$ 4,843,355	\$ 4,866,667	\$ 4,781,574	\$ 4,528,302	\$ 4,508,333	\$ 4,525,924	\$ 4,505,955	\$ 4,504,709	\$ 56,628,560
Supply Charges	\$ 2,457,185	\$ 5,858,891	\$ 7,834,145	\$ 10,376,701	\$ 21,956,201	\$ 18,724,141	\$ 13,666,783	\$ 6,940,920	\$ 3,375,131	\$ 1,960,592	\$ 2,078,891	\$ 2,082,249	\$ 97,311,830
Net Cost of Fuel	\$ 7,357,317	\$ 10,733,899	\$ 12,740,299	\$ 15,259,149	\$ 26,799,556	\$ 23,590,808	\$ 18,448,356	\$ 11,469,222	\$ 7,883,464	\$ 6,486,517	\$ 6,584,846	\$ 6,586,958	\$ 153,940,390

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

MONTH	NET COST	TOTAL	C FACTOR	C FACTOR	LOAD BALANCING	LNG SALES GCR	TOTAL	NATURAL GAS	OVER/	CUMULATIVE
	OF FUEL	GCR		REVENUE		REVENUE	REVENUE		C FACTOR	
	1	2	% of GCR	4 = (2 * 3)	5	6	7 = (4 + 5 + 6)	8	9 = (7 + 8 - 1)	10
	(\$)	(\$)		(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)
SEPTEMBER 2015	7,357,317	3,730,053	103.1%	3,846,146	80,989	0	3,927,135	0	(3,430,182)	(3,430,182)
OCTOBER	10,733,899	5,461,240	104.7%	5,716,305	78,091	0	5,794,395	6,382	(4,933,121)	(8,363,303)
NOVEMBER	12,740,299	9,792,985	104.7%	10,250,362	77,245	0	10,327,608	2,005	(2,410,687)	(10,773,990)
DECEMBER	15,259,149	14,993,180	104.9%	15,721,428	84,959	0	15,806,387	0	547,238	(10,226,752)
JANUARY 2016	26,799,556	26,510,036	105.1%	27,852,262	98,095	8,271	27,958,628	0	1,159,072	(9,067,680)
FEBRUARY	23,590,808	32,167,786	105.1%	33,796,468	98,740	34,266	33,929,474	0	10,338,667	1,270,987
MARCH	18,448,356	23,932,431	106.1%	25,400,407	95,360	28,832	25,524,598	0	7,076,242	8,347,229
APRIL	11,469,222	15,388,434	107.3%	16,506,480	95,983	27,902	16,630,365	0	5,161,143	13,508,372
MAY	7,883,464	7,236,167	107.3%	7,761,910	96,536	28,832	7,887,279	0	3,815	13,512,187
JUNE	6,486,517	4,099,811	107.3%	4,397,683	97,160	27,902	4,522,745	0	(1,963,772)	11,548,415
JULY	6,584,846	3,714,104	107.3%	3,983,952	97,713	28,832	4,110,497	0	(2,474,349)	9,074,066
AUGUST	<u>6,586,958</u>	<u>3,289,403</u>	107.3%	<u>3,528,394</u>	<u>98,335</u>	<u>28,832</u>	<u>3,655,561</u>	<u>0</u>	<u>(2,931,396)</u>	6,142,670
Totals	153,940,390	150,315,629		158,761,798	1,099,204	213,670	160,074,672	8,387	6,142,670	

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

		MIGRATION RIDER SALES	TOTAL E-FACTOR VOLUMES	TOTAL GCR REVENUE BILLED	E-FACTOR % of GCR	E-FACTOR GCR REVENUE BILLED	MIGRATION RIDER REVENUES	TOTAL E-FACTOR REVENUE	OVER/(UNDER) PROJECTED RECOVERY
	GCR SALES	2	3=(1+2)	4	5	6=(4*5)	7	8=(6+7)	(9)
	1								
	(MCF)	(MCF)	(MCF)	(\$)		(\$)	(\$)	(\$)	(\$)
PRIOR YEAR E-FACTOR									\$ 8,577,213
MONTH									
SEPTEMBER 2015	Actual	894,850	19,504	914,354	\$ 3,730,053	-3.1% \$ (115,415)	\$ (2,811)	\$ (118,226)	\$ 8,458,987
OCTOBER	Actual	1,338,478	22,521	1,360,999	\$ 5,461,240	-4.7% \$ (253,992)	\$ (4,265)	\$ (258,257)	\$ 8,200,730
NOVEMBER	Actual	2,405,950	30,764	2,436,714	\$ 9,792,985	-4.7% \$ (455,454)	\$ (5,819)	\$ (461,273)	\$ 7,739,457
DECEMBER	Actual	3,852,232	93,084	3,945,316	\$ 14,993,180	-4.8% \$ (724,966)	\$ (17,380)	\$ (742,345)	\$ 6,997,112
JANUARY 2016	Estimated	7,177,678	171,219	7,348,897	\$ 26,510,036	-5.0% \$ (1,335,766)	\$ (31,864)	\$ (1,367,630)	\$ 5,629,482
FEBRUARY	Estimated	8,709,532	169,067	8,878,599	\$ 32,167,786	-5.0% \$ (1,620,844)	\$ (31,463)	\$ (1,652,307)	\$ 3,977,175
MARCH	Estimated	6,658,996	133,863	6,792,859	\$ 23,932,431	-6.1% \$ (1,457,321)	\$ (29,296)	\$ (1,486,617)	\$ 2,490,557
APRIL	Estimated	4,403,489	84,736	4,488,225	\$ 15,388,434	-7.2% \$ (1,107,918)	\$ (21,320)	\$ (1,129,237)	\$ 1,361,320
MAY	Estimated	2,070,671	50,258	2,120,929	\$ 7,236,167	-7.2% \$ (520,981)	\$ (12,645)	\$ (533,626)	\$ 827,694
JUNE	Estimated	1,173,185	40,424	1,213,608	\$ 4,099,811	-7.2% \$ (295,173)	\$ (10,171)	\$ (305,344)	\$ 522,350
JULY	Estimated	1,062,812	38,524	1,101,337	\$ 3,714,104	-7.2% \$ (267,404)	\$ (9,693)	\$ (277,096)	\$ 245,254
AUGUST	Estimated	941,282	34,337	975,618	\$ 3,289,403	-7.2% \$ (236,826)	\$ (8,639)	\$ (245,466)	\$ (212)
TOTAL		40,689,155	886,300	41,577,455	\$ 150,315,629	\$ (8,392,060)	\$ (185,364)	\$ (8,577,425)	

**FISCAL YEAR 2016
PHILADELPHIA GAS WORKS
IRC FACTOR REVENUE BILLED**

MONTH	TOTAL GCR REVENUE BILLED 1	IRC- FACTOR % of GCR 2	IRC-FACTOR REVENUE BILLED 3 = (1 * 2)
	\$		\$
SEPTEMBER 2015	3,730,053	-0.02%	(679)
OCTOBER	5,461,240	-0.02%	(1,073)
NOVEMBER	9,792,985	-0.02%	(1,924)
DECEMBER	14,993,180	-0.02%	(3,282)
JANUARY 2016	26,510,036	-0.02%	(6,460)
FEBRUARY	32,167,786	-0.02%	(7,839)
MARCH	23,932,431	-0.04%	(10,654)
APRIL	15,388,434	-0.07%	(10,128)
MAY	7,236,167	-0.07%	(4,763)
JUNE	4,099,811	-0.07%	(2,698)
JULY	3,714,104	-0.07%	(2,444)
AUGUST	<u>3,289,403</u>	-0.07%	<u>(2,165)</u>
TOTALS	150,315,629		(54,109)

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

MONTH	DEMAND CHARGES LESS LOAD BALANCING CHARGE REVENUE 1	DEMAND REVENUE BILLED 2	MONTHLY DEMAND OVER/(UNDER) 3 = (2 - 1)	CUMULATIVE DEMAND OVER/(UNDER) 4
	\$	\$	\$	\$
SEPTEMBER 2015	4,819,143	943,619	(3,875,524)	(3,875,524)
OCTOBER	4,796,917	1,684,608	(3,112,309)	(6,987,833)
NOVEMBER	4,828,909	3,028,129	(1,800,780)	(8,788,613)
DECEMBER	4,797,489	5,101,703	304,214	(8,484,399)
JANUARY 2016	4,736,988	9,977,690	5,240,702	(3,243,698)
FEBRUARY	4,733,661	12,107,121	7,373,459	4,129,762
MARCH	4,657,382	8,271,472	3,614,090	7,743,852
APRIL	4,404,416	4,818,298	413,882	8,157,733
MAY	4,382,964	2,265,728	(2,117,236)	6,040,497
JUNE	4,400,862	1,283,699	(3,117,164)	2,923,334
JULY	4,379,410	1,162,929	(3,216,481)	(293,147)
AUGUST	<u>4,377,541</u>	<u>1,029,950</u>	<u>(3,347,591)</u>	(3,640,738)
TOTALS	55,315,685	51,674,947	(3,640,738)	

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

MONTH	NET COST	C FACTOR	OVER/	INTEREST
	OF FUEL	% of GCR	(UNDER)	RATE
	1	REVENUE	RECOVERY	4
	3	BILLED	3 = (2 - 1)	
	(\$)	2	(\$)	(\$)
JANUARY 2015	44,475,311	46,898,006	2,422,695	
FEBRUARY	49,443,136	54,569,367	5,126,231	
MARCH	31,185,138	44,760,816	13,575,678	
APRIL	11,837,315	22,304,657	10,467,342	
MAY	8,878,270	8,871,471	(6,799)	
JUNE	6,006,339	5,082,417	(923,922)	
JULY	6,929,530	4,254,596	(2,674,934)	
AUGUST	6,719,769	4,027,065	(2,692,704)	
SEPTEMBER	7,357,317	3,927,135	(3,430,182)	
OCTOBER	10,733,899	5,794,395	(4,939,504)	
NOVEMBER	12,740,299	10,327,608	(2,412,692)	
DECEMBER	15,259,149	15,806,387	547,238	
Total	211,565,472	226,623,920	15,058,448	8%

**FISCAL YEAR 2016
PHILADELPHIA GAS WORKS
INTEREST CALCULATION**

MONTH	NET COST	TOTAL	OVER/	INTEREST	TIME	INTEREST	INTEREST	TOTAL
	OF FUEL ⁽¹⁾	C FACTOR	(UNDER)	RATE ⁽²⁾	FACTOR	EXPENSE	NATURAL GAS	INTEREST
	1	REVENUE	RECOVERY	4	5	6 = (3*4*5)	REFUNDS ⁽³⁾	8 = (6+7)
	2	3 = (2 - 1)						
	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)
SEPTEMBER 15	7,357,317	3,927,135	(3,430,182)	8%	18/12	(411,622)	-	(411,622)
OCTOBER	10,733,899	5,794,395	(4,939,504)	8%	17/12	(559,810)	543	(559,267)
NOVEMBER	12,740,299	10,327,608	(2,412,692)	8%	16/12	(257,354)	160	(257,194)
DECEMBER	15,259,149	15,806,387	547,238	8%	15/12	54,724	-	54,724
JANUARY 16	26,799,556	27,958,628	1,159,072	6%	14/12	81,135	-	81,135
FEBRUARY	23,590,808	33,929,474	10,338,667	6%	13/12	672,013	-	672,013
MARCH	18,448,356	25,524,598	7,076,242	6%	12/12	424,575	-	424,575
APRIL	11,469,222	16,630,365	5,161,143	6%	11/12	283,863	-	283,863
MAY	7,883,464	7,887,279	3,815	6%	10/12	191	-	191
JUNE	6,486,517	4,522,745	(1,963,772)	6%	9/12	(88,370)	-	(88,370)
JULY	6,584,846	4,110,497	(2,474,349)	6%	8/12	(98,974)	-	(98,974)
AUGUST	6,586,958	3,655,561	(2,931,396)	6%	7/12	(102,599)	-	(102,599)
Total	153,940,390	160,074,672	6,134,282			(2,228)	703	(1,525)
INTEREST FROM 5(b)(1)								1,055,832
TOTAL INTEREST								<u>1,054,306</u>

(1) See Schedule 4(b)

(2) See Schedule 5(a)

(3) See Schedule 5(c)

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

<u>MONTH</u>	NET COST OF FUEL (1) 1 (\$)	C FACTOR % of GCR REVENUE BILLED (1) 2	OVER/ (UNDER) RECOVERY 3 = (2 - 1) (\$)	INTEREST RATE 4 (\$)	TIME FACTOR 5	INTEREST EXPENSE 6 = (3*4*5) (\$)	INTEREST NATURAL GAS REFUNDS 7 (\$)	TOTAL INTEREST 8 = (6+7)
JANUARY 2015	44,475,311	46,898,006	2,422,695	2%	26/12	104,983	-	104,983
FEBRUARY	49,443,136	54,569,367	5,126,231	2%	25/12	213,593	-	213,593
MARCH	31,185,138	44,760,816	13,575,678	2%	24/12	543,027	-	543,027
APRIL	11,837,315	22,304,657	10,467,342	2%	23/12	401,248	-	401,248
MAY	8,878,270	8,871,471	(6,799)	2%	22/12	(249)	-	(249)
JUNE	6,006,339	5,082,417	(923,922)	2%	21/12	(32,337)	-	(32,337)
JULY	6,929,530	4,254,596	(2,674,934)	2%	20/12	(89,164)	-	(89,164)
AUGUST	6,719,769	4,027,065	(2,692,704)	2%	19/12	(85,269)	-	(85,269)
	165,474,808	190,768,395	25,293,587			1,055,832	0	1,055,832

(1) See Schedule 5(a)

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

<u>MONTH</u>	NATURAL GAS REFUNDS ⁽¹⁾	INTEREST RATE	TIME FACTOR	INTEREST ON REFUNDS
	1	2	3	4=(1*2*3)
	(\$)			(\$)
SEPTEMBER 15	0	6%	18/12	0
OCTOBER	6,382	6%	17/12	543
NOVEMBER	2,005	6%	16/12	160
DECEMBER	0	6%	15/12	0
JANUARY 16	0	6%	14/12	0
FEBRUARY	0	6%	13/12	0
MARCH	0	6%	12/12	0
APRIL	0	6%	11/12	0
MAY	0	6%	10/12	0
JUNE	0	6%	9/12	0
JULY	0	6%	8/12	0
AUGUST	0	6%	7/12	0
TOTAL	8,387			703

(1) See Schedule 4(b)

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

MONTH	OVER/(UNDER) RECOVERY (1) 1 (\$)	DEMAND CHARGE OVER/(UNDER) RECOVERY (2) 2 (\$)	COMMODITY CHARGE OVER/(UNDER) RECOVERY 3=(1-2) 3 (\$)	INTEREST RATE 4	TIME FACTOR 5	DEMAND INTEREST EXPENSE 6=(2*4*5) 6 (\$)	COMMODITY INTEREST EXPENSE 7=(3*4*5) 7 (\$)	TOTAL INTEREST EXPENSE 8=(6+7) 8 (\$)	INTEREST ON REFUNDS (3) 9 (\$)	TOTAL INTEREST 10=(8+9) 10 (\$)
SEPTEMBER 15	(3,430,182)	(3,875,524)	445,342	8%	18/12	(465,063)	53,441	(411,622)	0	(411,622)
OCTOBER	(4,939,504)	(3,112,309)	(1,827,195)	8%	17/12	(352,728)	(207,082)	(559,810)	543	(559,267)
NOVEMBER	(2,412,692)	(1,800,780)	(611,911)	8%	16/12	(192,083)	(65,271)	(257,354)	160	(257,194)
DECEMBER	547,238	304,214	243,024	8%	15/12	30,421	24,302	54,724	0	54,724
JANUARY 16	1,159,072	5,240,702	(4,081,630)	6%	14/12	366,849	(285,714)	81,135	0	81,135
FEBRUARY	10,338,667	7,373,459	2,965,207	6%	13/12	479,275	192,738	672,013	0	672,013
MARCH	7,076,242	3,614,090	3,462,152	6%	12/12	216,845	207,729	424,575	0	424,575
APRIL	5,161,143	413,882	4,747,262	6%	11/12	22,764	261,099	283,863	0	283,863
MAY	3,815	(2,117,236)	2,121,051	6%	10/12	(105,862)	106,053	191	0	191
JUNE	(1,963,772)	(3,117,164)	1,153,392	6%	9/12	(140,272)	51,903	(88,370)	0	(88,370)
JULY	(2,474,349)	(3,216,481)	742,132	6%	8/12	(128,659)	29,685	(98,974)	0	(98,974)
AUGUST	(2,931,396)	(3,347,591)	416,195	6%	7/12	(117,166)	14,567	(102,599)	0	(102,599)
TOTAL FY 2016	6,134,282	(3,640,738)	9,775,021			(385,679)	383,451	(2,228)	703	(1,525)
JANUARY 2015	2,422,695	7,067,708	(4,645,012)	2%	26/12	306,267	(201,284)	104,983	0	104,983
FEBRUARY	5,126,231	8,723,666	(3,597,435)	2%	25/12	363,486	(149,893)	213,593	0	213,593
MARCH	13,575,678	5,958,512	7,617,165	2%	24/12	238,340	304,687	543,027	0	543,027
APRIL	10,467,342	144,954	10,322,388	2%	23/12	5,557	395,692	401,248	0	401,248
MAY	(6,799)	(3,220,471)	3,213,672	2%	22/12	(118,084)	117,835	(249)	0	(249)
JUNE	(923,922)	(3,764,138)	2,840,216	2%	21/12	(131,745)	99,408	(32,337)	0	(32,337)
JULY	(2,674,934)	(3,771,887)	1,096,953	2%	20/12	(125,730)	36,565	(89,164)	0	(89,164)
AUGUST	(2,692,704)	(4,142,333)	1,449,629	2%	19/12	(131,174)	45,905	(85,269)	0	(85,269)
	25,293,587	6,996,011	18,297,576			406,918	648,913	1,055,832	0	1,055,832
Grand Total	31,427,869	3,355,272	28,072,597			21,239	1,032,364	1,053,603	703	1,054,306

- (1) See Schedule 5(b)
(2) See Schedule 4(e)
(3) See Schedule 5(c)

**FISCAL YEAR 2017
PHILADELPHIA GAS WORKS
MIGRATION RIDER & LOAD BALANCING REVENUE**

<u>Month</u>		Migration Rider	Migration Rider	Migration Rider	Load Balancing	Total
		Volumes	in Effect	Revenue Billed	Revenue Billed	Load Balancing & Migration Revenue Billed
		1	2	3 = (1 * 2)	4	5 = (3 + 4)
		(MCF)	(\$)	(\$)	(\$)	(\$)
September 2016	Estimated	35,525	(0.2018)	(7167)	96,376	89,209
October	Estimated	55,193	(0.1519)	(8384)	96,787	88,403
November	Estimated	96,473	(0.1519)	(14654)	97,198	82,544
December	Estimated	149,228	(0.1519)	(22668)	97,609	74,941
January 2017	Estimated	196,278	(0.1519)	(29815)	98,030	68,215
February	Estimated	169,836	(0.1519)	(25798)	98,444	72,646
March	Estimated	138,183	(0.1519)	(20990)	98,854	77,864
April	Estimated	88,925	(0.1519)	(13508)	99,266	85,758
May	Estimated	52,792	(0.1519)	(8019)	99,676	91,657
June	Estimated	41,651	(0.1519)	(6327)	100,088	93,761
July	Estimated	39,619	(0.1519)	(6018)	100,498	94,480
August	Estimated	35,287	(0.1519)	(5360)	100,909	95,548
Total		1,098,989		(168,707)	1,183,734	1,015,027

CALCULATION OF RECOVERED CHARGES
1307F Filing
September 1, 2016

	<u>50% September</u>	<u>11.5 Months</u>	<u>Total</u>
			(MCF) (\$)
S - Firm Sales (Mcf)	461,176	45,498,340	45,959,516
C-Factor	\$ 3.7485	\$ 3.9394	
Projected Recovery	1,728,717	179,236,160	\$ 180,964,877
 S - Firm Sales (Mcf)	 461,176	 45,498,340	 45,959,516
IRC-Factor	\$ (0.0023)	\$ (0.0016)	
Projected Recovery	(1,061)	(72,797)	\$ (73,858)
 E-Factor Volumes (Mcf)	 478,938	 46,579,567	 47,058,505
E-Factor	\$ (0.2516)	\$ (0.1519)	
Projected Recovery	(120,501)	(7,075,436)	\$ (7,195,937)
 GCR (\$ / Mcf)	 \$ 3.4946	 \$ 3.7859	
<hr/>			
GCR Projected Recovery			\$ 173,695,082
Load Balancing Revenue			\$ 1,183,734
LNG Sales Demand Revenue			\$ 1,193,900
 TOTAL PROJECTED RECOVERY			 \$ 176,072,716

**Change In Rates
1307f Filing
Rates Effective September 1, 2016**

Current Rates

	12/01/15 <u>Distribution Charge</u> (1)	12/01/15 <u>GCR</u> (2)	12/01/15 <u>MFC</u> (3)	12/01/15 <u>GPC</u> (4)	12/01/15 <u>Commodity Rate</u> (5)=(1)+(2)+(3)+(4)
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Residential GS	\$7.3827	\$3.6934	\$0.1729	\$0.0400	\$11.2890
Commercial GS	\$6.0163	\$3.6934	\$0.0103	\$0.0400	\$9.7600
Industrial GS	\$6.1327	\$3.6934	\$0.0111	\$0.0400	\$9.8772
Phila.Housing Authority (PHA)	\$5.5280	\$3.6934	\$0.0000	\$0.0400	\$9.2614
Municipal (MS)	\$4.7394	\$3.6934	\$0.0000	\$0.0400	\$8.4728
Phila.Housing Authority (GS)	\$6.3201	\$3.6934	\$0.0000	\$0.0400	\$10.0535

September 1, 2016 - Distribution Charge

	<u>Delivery Charge</u> (6)	<u>Surcharges</u>				<u>Total Surcharges</u> (11)=(7)+(8)+(9)+(10)	<u>Distribution Charge / Mcf</u> (12)=(11)+(6)
		<u>Other Post Employment Benefit</u> (7)	<u>Efficiency Cost Recovery</u> (8)	<u>Universal Service & Ener. Cons.</u> (9)	<u>Restructuring & Consumer Education</u> (10)		
Residential GS	\$6.0067	\$0.3450	\$0.0000	\$1.1095	\$0.0089	\$1.4634	\$7.4701
Commercial GS	\$4.5984	\$0.3450	\$0.0000	\$1.1095	\$0.0089	\$1.4634	\$6.0618
Industrial GS	\$4.5332	\$0.3450	\$0.0000	\$1.1095	\$0.0089	\$1.4634	\$5.9966
Phila.Housing Authority (PHA)	\$4.1101	\$0.3450	\$0.0000	\$1.1095	\$0.0089	\$1.4634	\$5.5735
Municipal (MS)	\$3.3661	\$0.3450	\$0.0000	\$1.1095	\$0.0089	\$1.4634	\$4.8295
Phila.Housing Authority (GS)	\$4.9441	\$0.3450	\$0.0000	\$1.1095	\$0.0089	\$1.4634	\$6.4075

Proposed Rates

	09/01/16 <u>Distribution Charge</u> (12)	09/01/16 <u>GCR</u> (13)	09/01/16 <u>MFC</u> (14)	09/01/16 <u>GPC</u> (15)	09/01/16 <u>Commodity Rate</u> (16)=(12)+(13)+(14)+(15)	<u>Difference</u> (17)=(16)-(5)
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Residential GS	\$7.4701	\$3.7859	\$0.1772	\$0.0400	\$11.4732	\$0.1842
Commercial GS	\$6.0618	\$3.7859	\$0.0106	\$0.0400	\$9.8983	\$0.1383
Industrial GS	\$5.9966	\$3.7859	\$0.0114	\$0.0400	\$9.8339	(\$0.0433)
Phila.Housing Authority (PHA)	\$5.5735	\$3.7859	\$0.0000	\$0.0400	\$9.3994	\$0.1380
Municipal (MS)	\$4.8295	\$3.7859	\$0.0000	\$0.0400	\$8.6554	\$0.1826
Phila.Housing Authority (GS)	\$6.4075	\$3.7859	\$0.0000	\$0.0400	\$10.2334	\$0.1799

PHILADELPHIA GAS WORKS
SEPTEMBER 1, 2016 - 1307F FILING
UNIVERSAL SERVICE & ENERGY CONSERVATION SURCHARGE

	<u>Expenses in the Surcharge</u>
Enhanced Low Income Retrofit Program (ELIRP)	\$ -
Customer Responsibility Program (CRP)	\$ 47,615,901
Senior Citizen Discount *	\$ 3,060,770
<u>August 16 Under Collection</u>	<u>\$ 5,760,171</u>
Total \$ to be Recovered	\$ 56,436,841
Total Applicable Volumes	Mcf 50,865,709
Universal Service & Energy Conservation Surcharge	<u>\$ 1.1095</u>

* This is the Senior Citizen Discount based on the Distribution Charge without the Universal Services Surcharge plus the GCR. This is used to calculate the Universal Services Surcharge. The total senior citizen discount is \$3,355,036.

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

Month		USC Applicable Volumes	USC Charge	USC Revenue Billed	USC Expenses	Monthly Over/(Under) Recovery	Cumulative Over/(Under) Recovery
FY 15 Reconciliation							\$ (9,295,907)
September 2015	Actual	1,035,315	\$ 1,4187	\$ 1,468,750	\$ (1,940,513)	\$ 3,409,263	\$ (5,886,644)
October	Actual	1,530,956	\$ 1,3471	\$ 2,062,351	\$ (179,146)	\$ 2,241,497	\$ (3,645,147)
November	Actual	2,667,452	\$ 1,3471	\$ 3,593,325	\$ 3,725,297	\$ (131,973)	\$ (3,777,119)
December	Actual	4,261,276	\$ 1,2070	\$ 5,143,360	\$ 7,360,541	\$ (2,217,181)	\$ (5,994,301)
January 2016	Estimated	7,933,484	\$ 1,0669	\$ 8,464,234	\$ 11,226,443	\$ (2,762,209)	\$ (8,756,510)
February	Estimated	9,444,034	\$ 1,0669	\$ 10,075,840	\$ 14,907,044	\$ (4,831,204)	\$ (13,587,714)
March	Estimated	7,243,301	\$ 1,2174	\$ 8,817,994	\$ 10,871,150	\$ (2,053,166)	\$ (15,640,870)
April	Estimated	4,772,727	\$ 1,3679	\$ 6,528,613	\$ 6,421,125	\$ 107,488	\$ (15,533,382)
May	Estimated	2,294,404	\$ 1,3679	\$ 3,138,516	\$ 1,297,720	\$ 1,840,796	\$ (13,692,586)
June	Estimated	1,357,289	\$ 1,3679	\$ 1,856,636	\$ (773,582)	\$ 2,630,219	\$ (11,062,367)
July	Estimated	1,238,708	\$ 1,3679	\$ 1,694,428	\$ (971,268)	\$ 2,665,697	\$ (8,396,671)
August	Estimated	1,098,114	\$ 1,3679	\$ 1,502,109	\$ (1,134,391)	\$ 2,636,500	\$ (5,760,171)

USC Expenses	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Totals
ELIRP Expense	\$ 2,532	\$ 553,720	\$ 622,738	\$ 602,084	\$ 789,324	\$ 789,324	\$ 789,324	\$ 789,324	\$ 789,324	\$ 789,324	\$ 789,324	\$ 789,324	\$ 8,095,662
ELIRP Labor	\$ 10,623	\$ 12,196	\$ 8,913	\$ 8,759	\$ 14,172	\$ 14,172	\$ 14,172	\$ 14,172	\$ 14,172	\$ 14,172	\$ 14,172	\$ 14,172	\$ 153,868
CRP Discount	\$ (2,580,366)	\$ (1,452,007)	\$ 2,250,502	\$ 5,686,259	\$ 9,003,781	\$ 12,545,736	\$ 8,662,174	\$ 4,369,455	\$ (570,563)	\$ (2,558,441)	\$ (2,740,332)	\$ (2,889,075)	\$ 29,727,122
CRP Forgiveness	\$ 533,280	\$ 561,291	\$ 542,000	\$ 616,950	\$ 835,214	\$ 842,174	\$ 856,094	\$ 876,974	\$ 883,934	\$ 876,974	\$ 870,014	\$ 863,054	\$ 9,157,954
Senior Citizen Discount	\$ 93,418	\$ 145,654	\$ 301,144	\$ 446,490	\$ 583,953	\$ 715,639	\$ 549,387	\$ 371,200	\$ 180,853	\$ 104,389	\$ 95,554	\$ 88,135	\$ 3,675,814
Bad Debt Expense Offset*	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total	\$ (1,940,513)	\$ (179,146)	\$ 3,725,297	\$ 7,360,541	\$ 11,226,443	\$ 14,907,044	\$ 10,871,150	\$ 6,421,125	\$ 1,297,720	\$ (773,582)	\$ (971,268)	\$ (1,134,391)	\$ 50,810,419

CRP Participation				
Rate Case Participation Rate	84,000	84,000	84,000	84,000
Actual Participation Rate*	58,958	58,609	58,462	58,282
CRP Under(Over) Participation	25,042	25,391	25,538	25,718
Average Shortfall Per CRP Participant				
CRP Discount	\$ (2,580,366)	\$ (1,452,007)	\$ 2,250,502	\$ 5,686,259
Actual Participation Rate	58,958	58,609	58,462	58,282
Average Shortfall per CRP Participant	\$ (44)	\$ (25)	\$ 38	\$ 98
Shortfall*	\$ -	\$ -	\$ -	\$ -
Bad Debt Expense Offset* 7.1%	\$ -	\$ -	\$ -	\$ -

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

INTERRUPTIBLE REVENUE CREDIT
September 1, 2016

Fiscal Year 2015 Reconciliation (8/31/15) \$ 33,111 Schedule 10(c)

<u>MONTH</u>		<u>IRC</u> <u>CREDIT</u>	<u>MARGIN</u>	
September-15	Actual	\$ (679)	\$ 417	
October	Actual	\$ (1,073)	\$ 11,721	
November	Actual	\$ (1,924)	\$ 60,473	
December	Actual	\$ (3,282)	\$ 3,992	
January-16	Estimated	\$ (6,460)	\$ 927	
February	Estimated	\$ (7,839)	\$ 867	
March	Estimated	\$ (10,654)	\$ 927	
April	Estimated	\$ (10,128)	\$ 897	
May	Estimated	\$ (4,763)	\$ 927	
June	Estimated	\$ (2,698)	\$ 897	
July	Estimated	\$ (2,444)	\$ 927	
August	Estimated	\$ (2,165)	\$ 927	
Act/Est IRC Credit September 2015 to August 2016		<u>\$ (54,109)</u>		
Act/Est Margin September 2015 to August 2016			<u>\$ 83,897</u>	<u>\$ 83,897</u>
FY 2015 Reconciliation Plus Act/Est Margin September 2015 to August 2016				<u>\$ 117,009</u>
<hr/>				
FY 2015 Reconciliation Plus Act/Est Margin September 2015 to August 2016			\$ 117,009	
Act/Est IRC Credit September 2015 to August 2016			<u>\$ (54,109)</u>	
Reconciliation as of August 31, 2016			\$ 62,900	
Margin - September 2016 through August 2017			<u>\$ 10,941</u>	Schedule 10(b)
August 31, 2016 Interruptible Revenue Credit			\$ 73,841	
<hr/>				
GCR Firm Sales			45,959,516	Schedule 2
<hr/>				
September 1, 2016 IRC/Mcf			\$ 0.0016	

INTERRUPTIBLE REVENUE MARGIN
1307F FILING

<u>MONTH</u>		<u>MARGIN</u>
September-16	Estimated	\$ 899
October	Estimated	\$ 929
November	Estimated	\$ 899
December	Estimated	\$ 929
January-17	Estimated	\$ 929
February	Estimated	\$ 839
March	Estimated	\$ 929
April	Estimated	\$ 899
May	Estimated	\$ 929
June	Estimated	\$ 899
July	Estimated	\$ 929
August	Estimated	\$ 929
Total		\$ <u>10,941</u>

**INTERRUPTIBLE REVENUE CREDIT
FY 2015**

Fiscal Year 2014 Reconciliation (8/31/14) \$ (249,894)

<u>MONTH</u>		<u>IRC CREDIT</u>		<u>MARGIN</u>
September-14	Actual	\$ 4,839	\$	13,329
October	Actual	\$ 6,274	\$	18,824
November	Actual	\$ 15,342	\$	28,089
December	Actual	\$ 26,590	\$	14,728
January-15	Actual	\$ 26,324	\$	22,004
February	Actual	\$ 30,673	\$	32,710
March	Actual	\$ 18,641	\$	-
April	Actual	\$ 5,053	\$	13,779
May	Actual	\$ 1,999	\$	3,431
June	Actual	\$ 174	\$	124
July	Actual	\$ (689)	\$	708
August	Actual	\$ (651)	\$	710

Actual IRC Credit September 2014 to August 2015	<u>\$ 134,569</u>			
Actual Margin September 2014 to August 2015		<u>\$ 148,437</u>	\$	<u>148,437</u>

FY 2014 Reconciliation Plus Actual Margin September 2014 to August 2015 \$ (101,458)

FY 2014 Reconciliation Plus Actual Margin September 2014 to August 2015	\$ (101,458)
Actual IRC Credit September 2014 to August 2015	<u>\$ 134,569</u>
Reconciliation as of August 31, 2015	\$ 33,111

**OTHER POST EMPLOYMENT BENEFIT (OPEB) SURCHARGE
FISCAL YEAR 2017**

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

<u>Month</u>		<u>OPEB Volumes</u>	<u>OPEB Surcharge</u>	<u>Revenue Billed</u>
September 2015	Actual	1,039,409	\$0.3041	\$316,032
October	Actual	1,539,123	\$0.3003	\$462,199
November	Actual	2,684,958	\$0.3003	\$806,293
December	Actual	4,288,966	\$0.3003	\$1,287,976
January 2016	Estimated	7,981,081	\$0.3003	\$2,396,719
February	Estimated	9,502,846	\$0.3003	\$2,853,705
March	Estimated	7,287,085	\$0.3003	\$2,188,312
April	Estimated	4,801,020	\$0.3003	\$1,441,746
May	Estimated	2,306,390	\$0.3003	\$692,609
June	Estimated	1,362,753	\$0.3003	\$409,235
July	Estimated	1,243,461	\$0.3003	\$373,411
<u>August</u>	Estimated	<u>1,102,279</u>	\$0.3003	<u>\$331,014</u>
Total		45,139,370		\$13,559,251

FY 2016 Act/Est OPEB & FY 2015 Reconciliation	\$14,365,034
FY 2016 Permitted Recovery	<u>\$16,000,000</u>
Over/(Under) Recovery	(\$1,634,966)

FY 2016 Under Recovery	\$1,634,966
FY 2017 Permitted Recovery	<u>\$16,000,000</u>
FY 2017 Recovery	\$17,634,966

FY 2017 Volumes	51,115,452
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FY 2017 OPEB Surcharge / Mcf	\$0.3450
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**OTHER POST EMPLOYMENT BENEFIT (OPEB) SURCHARGE
FISCAL YEAR 2015**

FY 2014 Over/(Under) Recovery \$562,022

<u>Month</u>		<u>OPEB Volumes</u>	<u>OPEB Surcharge</u>	<u>Revenue Billed</u>
September 2014	Actual	1,125,781	\$0.3280	\$369,256
October	Actual	1,418,404	\$0.3078	\$436,585
November	Actual	3,334,309	\$0.3078	\$1,026,300
December	Actual	6,948,587	\$0.3078	\$2,138,775
January 2015	Actual	8,865,059	\$0.3078	\$2,728,665
February	Actual	10,335,987	\$0.3078	\$3,181,417
March	Actual	9,516,263	\$0.3078	\$2,929,106
April	Actual	5,441,742	\$0.3078	\$1,674,968
May	Actual	2,202,057	\$0.3078	\$677,793
June	Actual	1,315,354	\$0.3078	\$404,866
July	Actual	1,130,846	\$0.3078	\$348,074
<u>August</u>	Actual	<u>1,065,483</u>	\$0.3078	<u>\$327,956</u>
Total		52,699,872		\$16,243,761

FY 2015 Act/Est OPEB & FY 2014 Reconciliation	\$16,805,783
FY 2015 Permitted Recovery	<u>\$16,000,000</u>
Over/(Under) Recovery	\$805,783

**EFFICIENCY COST RECOVERY (ECR) SURCHARGE
STATEMENT OF RECONCILIATION
FISCAL YEAR 2016**

	Actual Sep-15	Actual Oct-15	Actual Nov-15	Actual Dec-15	Estimated Jan-16	Estimated Feb-16	Estimated Mar-16	Estimated Apr-16	Estimated May-16	Estimated Jun-16	Estimated Jul-16	Estimated Aug-16	Total FY 2016
RESIDENTIAL & PHA GS													
FY 2015 Over-Collection	\$ 1,566,406												
Volume Billed	646,466	991,567	1,879,532	3,150,135	5,811,809	7,232,573	5,506,327	3,653,709	1,663,819	880,849	788,336	697,125	32,902,247
ECR Surcharge	\$ 0.0045	\$ 0.0071	\$ 0.0071	\$ 0.0049	\$ 0.0027	\$ 0.0027	\$ 0.0029	\$ 0.0030	\$ 0.0030	\$ 0.0030	\$ 0.0030	\$ 0.0030	
Revenue Billed	\$ 2,909	\$ 7,040	\$ 13,345	\$ 15,436	\$ 15,692	\$ 19,528	\$ 15,693	\$ 10,961	\$ 4,991	\$ 2,643	\$ 2,365	\$ 2,091	\$ 112,694
RHER Expense	\$ 233	\$ 83,436	\$ 30,200	\$ 45,339	\$ 73,091	\$ 73,091	\$ 73,091	\$ 73,091	\$ 73,091	\$ 73,091	\$ 73,091	\$ 73,091	\$ 743,939
RIHER Labor	\$ 976	\$ 1,121	\$ 850	\$ 805	\$ 1,299	\$ 1,299	\$ 1,299	\$ 1,299	\$ 1,299	\$ 1,299	\$ 1,299	\$ 1,299	\$ 14,140
HECI Expense	\$ 27	\$ 2,894	\$ 7,426	\$ 3,268	\$ 9,205	\$ 9,205	\$ 9,205	\$ 9,205	\$ 9,205	\$ 9,205	\$ 9,205	\$ 9,205	\$ 87,259
HECI Labor	\$ 115	\$ 131	\$ 422	\$ 94	\$ 112	\$ 112	\$ 112	\$ 112	\$ 112	\$ 112	\$ 112	\$ 112	\$ 1,659
CRR1 Expense	\$ 219	\$ 373	\$ 172,355	\$ 36,556	\$ 61,392	\$ 61,392	\$ 61,392	\$ 61,392	\$ 61,392	\$ 61,392	\$ 61,392	\$ 61,392	\$ 700,641
CRR1 Labor	\$ 919	\$ 1,056	\$ 785	\$ 758	\$ 1,225	\$ 1,225	\$ 1,225	\$ 1,225	\$ 1,225	\$ 1,225	\$ 1,225	\$ 1,225	\$ 13,317
CIR1 Expense	\$ 34	\$ 4,372	\$ 37	\$ 425	\$ 12,936	\$ 12,936	\$ 12,936	\$ 12,936	\$ 12,936	\$ 12,936	\$ 12,936	\$ 12,936	\$ 108,353
CIR1 Labor	\$ 142	\$ 163	\$ 167	\$ 117	\$ 184	\$ 184	\$ 184	\$ 184	\$ 184	\$ 184	\$ 184	\$ 184	\$ 2,060
CIER Expense	\$ 2	\$ 390	\$ (19)	\$ 1,282	\$ 785	\$ 785	\$ 785	\$ 785	\$ 785	\$ 785	\$ 785	\$ 785	\$ 7,935
CIER Labor	\$ 10	\$ 12	\$ 12	\$ 9	\$ 13	\$ 13	\$ 13	\$ 13	\$ 13	\$ 13	\$ 13	\$ 13	\$ 151
Total	\$ 2,678	\$ 93,947	\$ 212,235	\$ 88,653	\$ 160,242	\$ 160,242	\$ 160,242	\$ 160,242	\$ 160,242	\$ 160,242	\$ 160,242	\$ 160,242	\$ 1,679,453
Monthly Over/(Under)	\$ 231	\$ (86,907)	\$ (198,891)	\$ (73,217)	\$ (144,551)	\$ (140,715)	\$ (144,549)	\$ (149,281)	\$ (155,251)	\$ (157,600)	\$ (157,877)	\$ (158,151)	
Cumulative Over/(Under)	\$ 1,566,637	\$ 1,479,730	\$ 1,280,839	\$ 1,207,622	\$ 1,063,071	\$ 922,357	\$ 777,807	\$ 628,526	\$ 473,275	\$ 315,675	\$ 157,798	\$ (354)	
COMMERCIAL & PHA													
FY 2015 Over-Collection	\$ 201,155												
Volume Billed	349,209	487,460	700,057	971,790	1,816,318	1,902,354	1,505,088	976,280	559,922	428,240	403,935	359,651	10,460,304
ECR Surcharge	\$ 0.0221	\$ 0.0243	\$ 0.0243	\$ 0.0345	\$ 0.0446	\$ 0.0446	\$ 0.0508	\$ 0.0570	\$ 0.0570	\$ 0.0570	\$ 0.0570	\$ 0.0570	
Revenue Billed	\$ 7,700	\$ 11,845	\$ 17,011	\$ 33,478	\$ 81,008	\$ 84,845	\$ 76,458	\$ 55,648	\$ 31,916	\$ 24,410	\$ 23,024	\$ 20,500	\$ 467,844
RHER Expense	\$ 27	\$ 9,679	\$ 2,943	\$ 5,259	\$ 8,549	\$ 8,549	\$ 8,549	\$ 8,549	\$ 8,549	\$ 8,549	\$ 8,549	\$ 8,549	\$ 86,296
RHER Labor	\$ 113	\$ 130	\$ 71	\$ 93	\$ 154	\$ 154	\$ 154	\$ 154	\$ 154	\$ 154	\$ 154	\$ 154	\$ 1,640
CRR1 Expense	\$ 4	\$ 7	\$ 3,514	\$ 640	\$ 1,013	\$ 1,013	\$ 1,013	\$ 1,013	\$ 1,013	\$ 1,013	\$ 1,013	\$ 1,013	\$ 12,265
CRR1 Labor	\$ 16	\$ 18	\$ -	\$ 13	\$ 23	\$ 23	\$ 23	\$ 23	\$ 23	\$ 23	\$ 23	\$ 23	\$ 233
CIR1 Expense	\$ 61	\$ 7,892	\$ 27	\$ 768	\$ 23,354	\$ 23,354	\$ 23,354	\$ 23,354	\$ 23,354	\$ 23,354	\$ 23,354	\$ 23,354	\$ 195,583
CIR1 Labor	\$ 257	\$ 295	\$ 168	\$ 212	\$ 348	\$ 348	\$ 348	\$ 348	\$ 348	\$ 348	\$ 348	\$ 348	\$ 3,718
CIER Expense	\$ 83	\$ 13,026	\$ 4,312	\$ 42,854	\$ 25,629	\$ 25,629	\$ 25,629	\$ 25,629	\$ 25,629	\$ 25,629	\$ 25,629	\$ 25,629	\$ 265,308
CIER Labor	\$ 348	\$ 400	\$ 459	\$ 287	\$ 444	\$ 444	\$ 444	\$ 444	\$ 444	\$ 444	\$ 444	\$ 444	\$ 5,043
HECI Expense	\$ 33	\$ 3,526	\$ 397	\$ 3,981	\$ 12,297	\$ 12,297	\$ 12,297	\$ 12,297	\$ 12,297	\$ 12,297	\$ 12,297	\$ 12,297	\$ 106,311
HECI Labor	\$ 140	\$ 160	\$ (208)	\$ 115	\$ 227	\$ 227	\$ 227	\$ 227	\$ 227	\$ 227	\$ 227	\$ 227	\$ 2,021
Total	\$ 1,082	\$ 35,132	\$ 11,682	\$ 54,222	\$ 72,037	\$ 72,037	\$ 72,037	\$ 72,037	\$ 72,037	\$ 72,037	\$ 72,037	\$ 72,037	\$ 678,418
Monthly Over/(Under)	\$ 6,618	\$ (23,286)	\$ 5,329	\$ (20,744)	\$ 8,970	\$ 12,808	\$ 4,421	\$ (16,389)	\$ (40,122)	\$ (47,628)	\$ (49,013)	\$ (51,537)	
Cumulative Over/(Under)	\$ 207,773	\$ 184,487	\$ 189,816	\$ 169,071	\$ 178,042	\$ 190,849	\$ 195,270	\$ 178,881	\$ 138,759	\$ 91,131	\$ 42,118	\$ (9,419)	
INDUSTRIAL													
FY 2015 Under-Collection	\$ (113,291)												
Volume Billed	28,538	36,712	48,035	70,044	158,399	150,819	120,393	75,041	46,284	38,520	36,653	32,581	842,019
ECR Surcharge	\$ (0.0102)	\$ (0.0091)	\$ (0.0091)	\$ 0.1086	\$ 0.2262	\$ 0.2262	\$ 0.2575	\$ 0.2888	\$ 0.2888	\$ 0.2888	\$ 0.2888	\$ 0.2888	
Revenue Billed	\$ (291)	\$ (334)	\$ (437)	\$ 7,603	\$ 35,830	\$ 34,115	\$ 31,001	\$ 21,672	\$ 13,367	\$ 11,125	\$ 10,586	\$ 9,409	\$ 173,645
RHER Expense	\$ 0	\$ 81	\$ (83)	\$ 44	\$ 85	\$ 85	\$ 85	\$ 85	\$ 85	\$ 85	\$ 85	\$ 85	\$ 724
RHER Labor	\$ 1	\$ 1	\$ (6)	\$ 1	\$ 2	\$ 2	\$ 2	\$ 2	\$ 2	\$ 2	\$ 2	\$ 2	\$ 14
CIR1 Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CIR1 Labor	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CIER Expense	\$ 19	\$ 3,053	\$ (211)	\$ 10,045	\$ 6,160	\$ 6,160	\$ 6,160	\$ 6,160	\$ 6,160	\$ 6,160	\$ 6,160	\$ 6,160	\$ 62,189
CIER Labor	\$ 82	\$ 94	\$ (102)	\$ 67	\$ 130	\$ 130	\$ 130	\$ 130	\$ 130	\$ 130	\$ 130	\$ 130	\$ 1,182
Total	\$ 102	\$ 3,229	\$ (402)	\$ 10,157	\$ 6,378	\$ 6,378	\$ 6,378	\$ 6,378	\$ 6,378	\$ 6,378	\$ 6,378	\$ 6,378	\$ 64,108
Monthly Over/(Under)	\$ (393)	\$ (3,563)	\$ (35)	\$ (2,554)	\$ 29,452	\$ 27,738	\$ 24,624	\$ 15,294	\$ 6,989	\$ 4,747	\$ 4,208	\$ 3,032	
Cumulative Over/(Under)	\$ (113,685)	\$ (117,248)	\$ (117,283)	\$ (119,837)	\$ (90,385)	\$ (62,647)	\$ (38,024)	\$ (22,730)	\$ (15,741)	\$ (10,994)	\$ (6,786)	\$ (3,754)	

**PHILADELPHIA GAS WORKS
LOAD BALANCING CHARGE RECONCILIATION
CALENDAR YEAR 2015**

	<u>2015</u>
Actual Storage and Peaking Cost	\$ 15,628,448
Prior Year Carryover	\$ <u>(33,158)</u>
	\$ 15,595,290

Design Day Requirements	Annual Mcf	653,198
Fulfilled from FT Capacity	Annual Mcf	<u>292,757</u>
Fulfilled from Storage and Peaking Assets	Annual Mcf	360,441

Annual Load Balancing Cost per Excess Mcf	Annual \$ / Mcf	\$ 43.2673
BTU Conversion		1.05
	Annual \$ / Dth	\$ <u>41.2070</u>
Monthly Charge /Dth		\$ 3.4339

Over/(Under) Recovery	\$ (32,066)
Interest	\$ <u>(3,045)</u>
Carryover	\$ (35,111)

LOAD BALANCING CHARGE

2015 EXPENSE

	<u>Jan-15</u>	<u>Feb-15</u>	<u>Mar-15</u>	<u>Apr-15</u>	<u>May-15</u>	<u>Jun-15</u>	<u>Jul-15</u>	<u>Aug-15</u>	<u>Sep-15</u>	<u>Oct-15</u>	<u>Nov-15</u>	<u>Dec-15</u>	<u>Total</u>
Transco	\$ 504,054	\$ 473,423	\$ 472,654	\$ 473,396	\$ 470,202	\$ 467,618	\$ 483,958	\$ 483,493	\$ 458,196	\$ 440,031	\$ 468,812	\$ 470,585	\$ 5,666,421
Tetco	\$ 683,470	\$ 690,792	\$ 674,079	\$ 642,277	\$ 621,963	\$ 617,107	\$ 616,938	\$ 614,632	\$ 612,262	\$ 624,727	\$ 646,000	\$ 620,422	\$ 7,664,670
Dominion	\$ 140,529	\$ 137,460	\$ 126,750	\$ 130,667	\$ 134,295	\$ 125,243	\$ 134,295	\$ 134,295	\$ 133,842	\$ 131,574	\$ 125,281	\$ 124,635	\$ 1,578,867
WSS & EMM Trans	\$ 12,916	\$ 13,659	\$ 3,553	\$ 555	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 539	\$ 4,220	\$ 35,443
Purchased Electric	\$ 85,870	\$ 86,510	\$ 91,695	\$ 54,945	\$ 43,396	\$ 26,807	\$ 38,723	\$ 50,908	\$ 22,397	\$ 39,681	\$ 57,904	\$ 55,564	\$ 654,400
State Tax	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 28,647	\$ 28,647
Total	\$ 1,426,839	\$ 1,401,844	\$ 1,368,732	\$ 1,301,840	\$ 1,269,857	\$ 1,236,775	\$ 1,273,915	\$ 1,283,328	\$ 1,226,696	\$ 1,236,014	\$ 1,298,536	\$ 1,304,073	\$ 15,828,448

2015 INTEREST CALCULATION

MONTH	LOAD	RATE	LOAD	CHARGES	OVER	TIME	INTEREST	INTEREST
	BALANCING		BALANCING					RECOVERY
	VOLUME	(2)	CHARGE	BILLED	(5)=(4)-(3)	(6)	(7)	(8)=(5)*(6)*(7)
	(1)	(2)	(3)=(1)*(2)	(4)	(5)	(6)	(7)	(8)
	(DTH)	(\$)	(\$)	(\$)	(\$)			(\$)
Jan-15	23,824	3.4339	81,810	81,748	(62)	26/12	6%	(8)
Feb-15	23,964	3.4339	82,290	82,227	(62)	25/12	6%	(8)
Mar-15	23,837	3.4339	81,854	78,424	(3,430)	24/12	6%	(412)
Apr-15	23,903	3.4339	82,080	78,641	(3,440)	23/12	6%	(396)
May-15	23,862	3.4339	81,941	78,507	(3,434)	22/12	6%	(378)
Jun-15	24,175	3.4339	83,013	81,468	(1,545)	21/12	6%	(162)
Jul-15	24,515	3.4339	84,181	82,615	(1,566)	20/12	6%	(157)
Aug-15	24,032	3.4339	82,524	80,989	(1,535)	19/12	6%	(146)
Sep-15	23,750	3.4339	81,556	78,091	(3,465)	18/12	6%	(312)
Oct-15	23,493	3.4339	80,673	77,245	(3,428)	17/12	6%	(291)
Nov-15	25,839	3.4339	88,728	84,959	(3,770)	16/12	6%	(302)
Dec-15	<u>30,012</u>	3.4339	<u>103,060</u>	<u>96,731</u>	<u>(6,329)</u>	15/12	6%	<u>(475)</u>
Total	295,206		1,013,709	981,643	(32,066)			(3,045)

LOAD BALANCING CHARGE

2014 EXPENSE

	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Total
Transco	\$ 575,887	\$ 440,870	\$ 500,554	\$ 459,902	\$ 451,314	\$ 476,662	\$ 492,662	\$ 486,471	\$ 460,122	\$ 467,009	\$ 472,151	\$ 485,961	\$ 5,769,565
Tetco	\$ 673,012	\$ 666,723	\$ 688,364	\$ 629,745	\$ 621,322	\$ 616,943	\$ 607,699	\$ 608,383	\$ 613,574	\$ 607,343	\$ 640,254	\$ 615,785	\$ 7,589,145
Dominion	\$ 140,746	\$ 136,954	\$ 127,346	\$ 119,992	\$ 136,593	\$ 131,903	\$ 138,870	\$ 137,147	\$ 136,417	\$ 127,652	\$ 126,750	\$ 136,895	\$ 1,597,265
WSS & EMM Trans	\$ 20,968	\$ 11,908	\$ 2,672	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,775	\$ 5,989	\$ 49,311
Purchased Electric	\$ 96,638	\$ 99,030	\$ 96,254	\$ 63,740	\$ 44,711	\$ 43,437	\$ 44,552	\$ 17,306	\$ 19,167	\$ 63,902	\$ 46,452	\$ 96,696	\$ 731,885
State Tax	\$ -	\$ 25,211	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,211
Total	\$ 1,507,251	\$ 1,380,695	\$ 1,415,190	\$ 1,273,380	\$ 1,253,940	\$ 1,268,944	\$ 1,283,783	\$ 1,249,306	\$ 1,229,279	\$ 1,265,906	\$ 1,293,383	\$ 1,341,326	\$ 15,762,383

2014 INTEREST CALCULATION

MONTH	LOAD BALANCING VOLUME (1) (DTH)	RATE (2) (\$)	LOAD BALANCING CHARGE (3)=(1)*(2) (\$)	CHARGES BILLED (4) (\$)	OVER RECOVERY (5)=(4)-(3) (\$)	TIME FACTOR (6)	INTEREST RATE (7)	INTEREST EXPENSE (8)=(5)*(6)*(7) (\$)
Jan-14	29,456	3.3957	100,023	104,008	3,985	26/12	8%	691
Feb-14	29,732	3.3957	100,961	104,984	4,023	25/12	8%	670
Mar-14	29,678	3.3957	100,777	104,792	4,015	24/12	8%	642
Apr-14	30,023	3.3957	101,950	106,012	4,062	23/12	8%	623
May-14	30,104	3.3957	102,224	106,297	4,073	22/12	8%	597
Jun-14	29,944	3.3957	101,681	103,457	1,776	21/12	8%	249
Jul-14	29,885	3.3957	101,481	103,253	1,772	20/12	8%	236
Aug-14	29,925	3.3957	101,618	103,393	1,775	19/12	8%	225
Sep-14	23,614	3.3957	80,185	81,005	820	18/12	8%	98
Oct-14	23,301	3.3957	79,124	79,953	830	17/12	8%	94
Nov-14	23,916	3.3957	81,211	82,062	851	16/12	8%	91
Dec-14	24,493	3.3957	83,173	84,044	872	15/12	8%	87
Total	334,071		1,134,406	1,163,261	28,854			4,304

* Volumes revised from 334,036 to 334,071

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

Storage and Peaking Asset Cost \$ **13,678,841**

Design Day Requirements (Mcf) **653,198**
Fulfilled from FT Capacity (Mcf) **292,757**
Fulfilled from Storage and Peaking Assets (Excess Mcf) **360,441**

Annual Storage and Peaking Cost per Excess Mcf \$ **37.9503**
Per Mcf Over / (Under) Adjustment \$ **(0.0940)**
Load Balancing Charge \$ **38.0443**

Over / (Under) Recovery	\$	(32,066)
Interest	\$	<u>(3,045)</u>
Total Over/(Under) Recovery	\$	(35,111)
Forecasted SSPC Volumes		373,375
Per Mcf Over / (Under) Adjustment	\$	(0.0940)

Natural Gas Prices March 1, 2016 1307f GCR Filing

Basis Differentials

Prices Used For Gas Cost Inputs

	<u>Basis Differentials</u>												<u>Prices Used For Gas Cost Inputs</u>										
	<u>NYMEX</u>	<u>TRANSCO</u>				<u>TETCO</u>							<u>TRANSCO</u>				<u>TETCO</u>						
	<u>Futures</u>																						
<u>1/13/16</u>																							
<u>Close</u>	<u>Sta 30</u>	<u>Sta 45</u>	<u>Sta 65</u>	<u>Sta 85</u>	<u>ELA</u>	<u>WLA</u>	<u>ETX</u>	<u>STX</u>	<u>Average ELA/ETX</u>	<u>M-1</u>	<u>M-2</u>	<u>Sta 30</u>	<u>Sta 45</u>	<u>Sta 65</u>	<u>Sta 85</u>	<u>ELA</u>	<u>WLA</u>	<u>ETX</u>	<u>STX</u>	<u>ELA/ETX</u>	<u>M-1</u>	<u>M-2</u>	
2016:1												2.30	2.27	2.39	2.45	2.31	2.32	2.27	2.32	2.29	2.32	2.27	
2016:2	2.269	(0.11)	(0.14)	(0.02)	(0.01)	(0.06)	(0.08)	(0.14)	(0.13)	(0.10)	(0.10)	(0.72)	2.16	2.13	2.25	2.26	2.21	2.19	2.13	2.14	2.17	2.17	1.55
2016:3	2.290	(0.11)	(0.14)	(0.02)	(0.01)	(0.06)	(0.08)	(0.14)	(0.13)	(0.10)	(0.10)	(0.72)	2.18	2.15	2.27	2.28	2.23	2.21	2.15	2.16	2.19	2.19	1.57
2016:4	2.337	(0.11)	(0.14)	(0.02)	(0.01)	(0.06)	(0.08)	(0.14)	(0.13)	(0.10)	(0.10)	(0.72)	2.23	2.20	2.32	2.33	2.28	2.26	2.20	2.21	2.24	2.24	1.62
2016:5	2.385	(0.11)	(0.14)	(0.02)	(0.01)	(0.06)	(0.08)	(0.14)	(0.13)	(0.10)	(0.10)	(0.72)	2.28	2.25	2.37	2.38	2.33	2.31	2.25	2.26	2.29	2.29	1.67
2016:6	2.439	(0.11)	(0.14)	(0.02)	(0.01)	(0.06)	(0.08)	(0.14)	(0.13)	(0.10)	(0.10)	(0.72)	2.33	2.30	2.42	2.43	2.38	2.36	2.30	2.31	2.34	2.34	1.72
2016:7	2.493	(0.11)	(0.14)	(0.02)	(0.01)	(0.06)	(0.08)	(0.14)	(0.13)	(0.10)	(0.10)	(0.72)	2.38	2.35	2.47	2.48	2.43	2.41	2.35	2.36	2.39	2.39	1.77
2016:8	2.510	(0.11)	(0.14)	(0.02)	(0.01)	(0.06)	(0.08)	(0.14)	(0.13)	(0.10)	(0.10)	(0.72)	2.40	2.37	2.49	2.50	2.45	2.43	2.37	2.38	2.41	2.41	1.79
2016:9	2.507	(0.11)	(0.14)	(0.02)	(0.01)	(0.06)	(0.08)	(0.14)	(0.13)	(0.10)	(0.10)	(0.48)	2.40	2.37	2.49	2.50	2.45	2.43	2.37	2.38	2.41	2.41	2.03
2016:10	2.533	(0.11)	(0.14)	(0.02)	(0.01)	(0.06)	(0.08)	(0.14)	(0.13)	(0.10)	(0.10)	(0.48)	2.42	2.39	2.51	2.52	2.47	2.45	2.39	2.40	2.43	2.43	2.05
2016:11	2.609	(0.11)	(0.14)	(0.02)	(0.01)	(0.06)	(0.08)	(0.14)	(0.13)	(0.10)	(0.10)	(0.48)	2.50	2.47	2.59	2.60	2.55	2.53	2.47	2.48	2.51	2.51	2.13
2016:12	2.763	(0.11)	(0.14)	(0.02)	(0.01)	(0.06)	(0.08)	(0.14)	(0.13)	(0.10)	(0.10)	(0.48)	2.65	2.62	2.74	2.75	2.70	2.68	2.62	2.63	2.66	2.66	2.28
2017:1	2.872	(0.11)	(0.14)	(0.02)	(0.01)	(0.06)	(0.08)	(0.14)	(0.13)	(0.10)	(0.10)	(0.48)	2.76	2.73	2.85	2.86	2.81	2.79	2.73	2.74	2.77	2.77	2.39
2017:2	2.862	(0.11)	(0.14)	(0.02)	(0.01)	(0.06)	(0.08)	(0.14)	(0.13)	(0.10)	(0.10)	(0.48)	2.75	2.72	2.84	2.85	2.80	2.78	2.72	2.73	2.76	2.76	2.38
2017:3	2.820	(0.11)	(0.14)	(0.02)	(0.01)	(0.06)	(0.08)	(0.14)	(0.13)	(0.10)	(0.10)	(0.48)	2.71	2.68	2.80	2.81	2.76	2.74	2.68	2.69	2.72	2.72	2.34
2017:4	2.624	(0.11)	(0.14)	(0.02)	(0.01)	(0.06)	(0.08)	(0.14)	(0.13)	(0.10)	(0.10)	(0.48)	2.51	2.48	2.60	2.61	2.56	2.54	2.48	2.49	2.52	2.52	2.14
2017:5	2.626	(0.11)	(0.14)	(0.02)	(0.01)	(0.06)	(0.08)	(0.14)	(0.13)	(0.10)	(0.10)	(0.48)	2.52	2.49	2.61	2.62	2.57	2.55	2.49	2.50	2.53	2.53	2.15
2017:6	2.662	(0.11)	(0.14)	(0.02)	(0.01)	(0.06)	(0.08)	(0.14)	(0.13)	(0.10)	(0.10)	(0.48)	2.55	2.52	2.64	2.65	2.60	2.58	2.52	2.53	2.56	2.56	2.18
2017:7	2.702	(0.11)	(0.14)	(0.02)	(0.01)	(0.06)	(0.08)	(0.14)	(0.13)	(0.10)	(0.10)	(0.48)	2.59	2.56	2.68	2.69	2.64	2.62	2.56	2.57	2.60	2.60	2.22
2017:8	2.714	(0.11)	(0.14)	(0.02)	(0.01)	(0.06)	(0.08)	(0.14)	(0.13)	(0.10)	(0.10)	(0.48)	2.60	2.57	2.69	2.70	2.65	2.63	2.57	2.58	2.61	2.61	2.23

**Philadelphia Gas Works
Reconciliation of UFG and Retainage Percentages
Twelve Months Ending August 31,2015**

	<u>UFG</u>	<u>RETAINAGE</u>
	Total Distribution System (MCF)	Firm Sales Sales Only (MCF)
A. Gas Received For Delivery To Customers		
From Interstate Pipelines directly into the Distribution System	82,037,594	82,037,594
Less gas delivered for Interruptible Customers sendout		26,928,860
From Interstate Pipelines directly into the Distribution System for Firm Customers Only		55,108,734
B. Gas Delivered		
To Customers	79,248,553	
To Customers - Delivered to Firm Customers Only		52,719,127
C. Adjustment		
Adjustment for PUC UFG Report and Retainage - Company use	343,324	343,324
Adjustment for PUC UFG Report Only - Maintenance and Construction	553.37	
- Gate station bleeds	7,743	
- Correction for 6" w.c.	732,063	
- Third party damage	-	-
Total Adjustments	1,083,684	343,324
D. Distribution UFG and Retainage Rate		
Total Distribution System Unaccounted for Gas	1,705,357	
Unaccounted For and Accounted For Volumes Applicable to Retainage % Calculation		2,046,284
E. Percent UFG and Retainage		
UFG Percentage	2.08%	
Retainage Percentage		3.7%

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

FY 14 & FY 15 Over/(Under) Recovery (\$142,827) Schedule 17(b)

<u>Month</u>		<u>R&CE Volumes</u>	<u>R&CE Surcharge</u>	<u>Revenue Billed</u>
September 2015	Actual	519,705	\$0.0061	\$3,170
October	Actual	1,539,123	\$0.0061	\$9,389
November	Actual	2,684,958	\$0.0061	\$16,378
December	Actual	4,288,966	\$0.0061	\$26,163
January 2016	Estimated	7,981,081	\$0.0061	\$48,685
February	Estimated	9,502,846	\$0.0061	\$57,967
March	Estimated	7,287,085	\$0.0061	\$44,451
April	Estimated	4,801,020	\$0.0061	\$29,286
May	Estimated	2,306,390	\$0.0061	\$14,069
June	Estimated	1,362,753	\$0.0061	\$8,313
July	Estimated	1,243,461	\$0.0061	\$7,585
<u>August</u>	Estimated	<u>1,102,279</u>	\$0.0061	<u>\$6,724</u>
Total		44,619,665		\$272,180

FY 14 & FY 15 Over/(Under) Recovery	(\$142,827)	
FY 2016 Act/Est R&CE Revenue Billed	<u>\$272,180</u>	
FY 2016 Over/(Under) Recovery	\$129,353	
FY 2016 R&CE Expense	<u>\$581,734</u>	Schedule 17(b)
FY 2017 Annual Recovery Amount	\$452,382	

FY 2017 R&CE Volumes 51,115,452

FY 2017 R&CE Surcharge / Mcf \$0.0089

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

Fiscal Year	FY14	FY15	FY 2016												
			Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	FY 2016
Month	Actual	Actual	Actual	Actual	Actual	Est	Est	Est	Est	Est	Est	Est	Est	Total	
Capital (90% POR Build)	\$ 19,122	\$ 123,705	\$ 30,923	\$ 38,030	\$ 20,361	\$ 14,019	\$ 59,834	\$ 52,653	\$ 52,653	\$ 52,653	\$ 52,653	\$ 52,653	\$ 52,653	\$ 52,653	\$ 531,734
Operating (50% mailers)			\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,000	\$ 50,000
	\$ 19,122	\$ 123,705	\$ 30,923	\$ 38,030	\$ 20,361	\$ 14,019	\$ 59,834	\$ 77,653	\$ 52,653	\$ 52,653	\$ 52,653	\$ 52,653	\$ 52,653	\$ 77,653	\$ 581,734

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, 2016 Prefiling.

Schedule 1 – Twelve (12) month actual purchased gas costs expressed in terms of volumes and dollars for the period January 1, 2015 to December 31, 2015. 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, 2015 through December 31, 2015. This schedule reflects finalized numbers through the month of December.

Schedule 3 - Twenty (20) month forecast for the period January 1, 2016 through August 31, 2017.

Schedule 4 – Twenty (20) month forecast of capacity release credits by pipeline by month for the period January 1, 2016 through August 31, 2017.

Philadelphia Gas Works
Summary Of Total Purchased

	<u>Jan-15</u>	<u>Feb-15</u>	<u>Mar-15</u>	<u>Apr-15</u>	<u>May-15</u>	<u>JUNE-15</u>	<u>JULY-15</u>	<u>AUG-15</u>	<u>SEPT-15</u>	<u>OCT-15</u>	<u>NOV-15</u>	<u>DEC-15</u>
Williams	\$ 2,857,350	\$ 2,707,620	\$ 2,712,596	\$ 2,766,316	\$ 2,745,765	\$ 2,619,121	\$ 2,682,890	\$ 2,681,945	\$ 2,585,596	\$ 2,546,486	\$ 2,616,068	\$ 2,730,732
Texas Eastern	\$ 1,998,337	\$ 2,174,308	\$ 2,103,919	\$ 2,369,349	\$ 2,219,744	\$ 2,216,626	\$ 2,209,465	\$ 2,185,872	\$ 2,199,391	\$ 2,308,045	\$ 2,268,485	\$ 2,265,132
Dominion	\$ 140,529	\$ 137,460	\$ 126,750	\$ 130,667	\$ 134,295	\$ 125,243	\$ 134,295	\$ 134,295	\$ 133,842	\$ 131,574	\$ 125,281	\$ 124,635
Spot Purchases -Transco	\$ 72,510	\$ 268,781	\$ 110,235	\$ 477,345				\$	\$ 66,647	\$ -	\$ 16,671	\$ 13,594
Spot Purchases -Tetco	\$ 603,515	\$ 2,248,469	\$ 174,401	\$ -								
Transco Supply2	\$	\$ 330,000	\$ -	\$ 361,410	\$ 368,900	\$ 378,000	\$ 331,700	\$ 331,700	\$ 340,500	\$ 334,800	\$ 344,775	\$ 284,025
Transco Supply3	\$ 3,930,800	\$ 3,438,400	\$ 2,876,800	\$ 715,500	\$ 703,500	\$ 745,500	\$ 652,550	\$ 652,550	\$ 670,500	\$ 692,650	\$ -	\$ -
Transco Supply6	\$ 1,682,615	\$ 1,436,000	\$ 626,975						\$	\$ -	\$ 729,750	\$ 792,825
Transco Supply7												
Transco Supply8	\$ 3,292,088	\$ 2,455,325	\$ 2,933,613	\$ 1,153,425	\$ 1,324,688	\$ 1,181,114	\$ 1,075,235	\$ 988,835	\$ 263,978	\$ 1,052,738	\$ 1,043,506	\$ 1,049,350
Transco Supply10	\$ 641,700	\$ 579,600	\$ 641,700	\$ 373,875	\$ 400,288	\$ 387,375	\$ 400,288	\$ 400,288	\$ 387,375	\$ 400,288	\$ 847,500	\$ 875,750
Transco Supply12												
Transco Supply14	\$ 1,212,400	\$ 1,707,100	\$ 2,552,450	\$ 801,525	\$ 401,838	\$ 396,375	\$ 420,438	\$ 420,438	\$ 389,325	\$ 408,813	\$ -	\$ -
Transco Supply17												
Transco Supply20												
Transco Supply21												
Transco Supply22	\$ 1,398,975	\$ 1,199,475	\$ 1,303,500	\$ 1,080,900	\$ 23,332	\$ 4,500	\$ 4,650	\$ 4,650	\$ 4,500	\$ 737,184	\$ 471,863	\$ 664,825
Transco Supply23	\$ 553,350	\$ 555,100	\$ 735,325	\$ 405,750	\$ 422,375	\$ 415,500	\$ 437,875	\$ 436,325	\$ 402,450	\$ 415,865	\$ 745,500	\$ 678,900
Transco Supply24												
Transco Supply25	\$ 1,396,650	\$ 1,197,375	\$ 1,301,175	\$ 1,078,650	\$ 187,851	\$ 92,522	\$ -	\$ 1,650	\$ 2,250	\$ 914,675	\$ -	\$ -
Transco Supply26												
Transco Supply27												
Transco Supply28												
Transco Supply29	\$ 614,575	\$ 555,100	\$ 614,575								\$ 402,375	\$ 415,788
Transco Supply30											\$ 402,750	\$ 416,175
Transco Supply31												
Tetco Supply1												
Tetco Supply2												
Tetco Supply3	\$ 2,148,902	\$ 1,106,000	\$ 1,224,129									
Tetco Supply4	\$ 385,950	\$ 348,600	\$ 385,950									
Tetco Supply5	\$ 241,125	\$ 1,076,757	\$ 1,290,375									
Tetco Supply7											\$ 396,900	\$ 463,760
Tetco Supply13			\$ 492,000	\$ 485,770	\$ 559,500	\$ 565,130	\$ 600,160	\$ 506,400	\$ 500,030			
Tetco Supply14					\$	\$	\$	\$	\$	\$	\$	\$
Tetco Supply16	\$ 600,145	\$ 542,333	\$ 595,320	\$ 362,342	\$ 412,300	\$ 399,000	\$ 412,300	\$ 412,300	\$ 399,000	\$ 412,300	\$ 306,750	\$ 380,525
Tetco Supply17	\$ 1,222,224	\$ 1,082,400	\$ 1,109,800							\$	\$	\$
Tetco Supply18												
Tetco Supply19											\$ 403,500	\$ 416,950
Tetco Supply20	\$ 554,400	\$ 389,900	\$ 434,775									
Tetco Supply21												
Tetco Supply22												
Tetco Supply23												
Tetco Supply24	\$ 2,153,362	\$ 2,326,875	\$ 2,282,175	\$ 825,350	\$ 426,869	\$ 392,853	\$ 383,875	\$ 402,291	\$ 382,457	\$ 543,728	\$ 732,000	\$ 1,107,500
Tetco Supply25	\$ 615,350	\$ 544,354	\$ 615,350			\$	\$	\$	\$	\$	\$ 199,200	\$ 232,655
Tetco Supply26	\$ 1,436,350	\$ 1,636,675	\$ 1,517,049	\$ 896,325	\$ 891,025	\$ 791,250	\$ 719,775	\$ 773,775	\$ 711,975	\$ 761,300	\$ 431,622	\$ 529,325
Tetco Supply27			\$ 208,500	\$ 212,350	\$ 208,500	\$ 208,500	\$ 195,300	\$ 190,650	\$ 169,500	\$ 182,900	\$ -	\$ -
Tetco Supply28			\$ 204,750	\$ 208,475	\$ 204,750	\$ 204,750	\$ 191,425	\$ 186,775	\$ 165,750	\$ 179,025	\$ 182,250	\$ 237,925
Tetco Supply29										\$	\$ 361,500	\$ 327,050
TOTAL COSTS	\$ 29,753,202	\$ 29,964,008	\$ 28,268,937	\$ 14,703,979	\$ 11,569,364	\$ 11,117,729	\$ 10,817,190	\$ 10,804,499	\$ 9,781,436	\$ 12,522,600	\$ 13,028,245	\$ 14,007,420
Storage Injection	(\$45,185)	\$0	(\$1,209,900)	(\$2,533,180)	(\$3,730,208)	(\$4,438,686)	(\$3,998,485)	(\$4,045,965)	(\$3,055,047)	(\$2,735,443)	(\$947,801)	(\$890,827)
Storage Withdrawal	\$14,515,208	\$14,454,490	\$1,408,266	\$1,079,618	\$0	\$0	\$0	\$0	\$0	\$166,882	\$1,621,014	\$2,704,657

Philadelphia Gas Works
Volumes Purchased

Volume	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	JUNE-15	JULY-15	AUG-15	SEPT-15	OCT-15	NOV-15	DEC-15
Spot Purchases -Transco	30,724	14,647	21,609	30,145	193,108	-	-	-	-	37,448	-	10,673	13,429
Spot Dem-Transco													
Spot Purchases -Tetco		172,872	534,987	37,620									
Spot for Resale													
Firm Contracts													
Transco Supply2 - Dem Commodity			110,000	-	149,343	155,000	150,000	155,000	155,000	150,000	155,000	450,000	465,000
Transco Supply3 - Dem Commodity	620,000	620,000	560,000	620,000	150,000	300,000	300,000	310,000	310,000	300,000	310,000	165,000	135,000
Transco Supply6 - Dem Commodity	375,000	485,000	420,000	155,000	-	-	-	-	-	-	-	-	-
Transco Supply7 - Dem Commodity												300,000	310,000
Transco Supply8 - Dem Commodity	465,000	485,000	420,000	465,000	450,000	465,000	450,000	465,000	465,000	450,000	465,000	450,000	465,000
Transco Supply10 - Dem Commodity	1,085,000	1,075,000	870,000	1,045,000	450,000	465,000	428,072	380,029	355,513	100,113	455,000	441,404	430,000
Transco Supply12 - Dem Commodity	155,000	155,000	140,000	155,000	150,000	155,000	150,000	155,000	155,000	150,000	155,000	300,000	310,000
Transco Supply14 - Dem Commodity	155,000	360,000	530,000	635,000	310,000	155,000	150,000	155,000	155,000	150,000	155,000	-	-
Transco Supply17 - Dem Commodity													
Transco Supply20 - Dem Commodity													
Transco Supply21 - Dem Commodity													
Transco Supply22 - Dem Commodity	620,000	620,000	560,000	620,000	600,000	620,000	600,000	620,000	620,000	600,000	620,000	600,000	620,000
Transco Supply23 - Dem Commodity	465,000	465,000	420,000	465,000	420,000	7,355	-	-	-	-	316,617	225,000	305,000
Transco Supply24 - Dem Commodity	155,000	155,000	140,000	195,000	150,000	155,000	150,000	155,000	155,000	150,000	155,000	300,000	310,000
Transco Supply25 - Dem Commodity	465,000	465,000	420,000	465,000	450,000	465,000	450,000	465,000	465,000	450,000	465,000	-	-
Transco Supply26 - Dem Commodity	465,000	465,000	420,000	465,000	420,000	65,785	34,048	-	-	-	395,000	-	-
Transco Supply27 - Dem Commodity													
Transco Supply28 - Dem Commodity													
Transco Supply29 - Dem Commodity													
Transco Supply30 - Dem Commodity	155,000	155,000	140,000	155,000	-	-	-	-	-	-	-	-	-
Transco Supply31 - Dem Commodity												150,000	155,000
Tetco Supply1 - Dem Commodity													
Tetco Supply2 - Dem Commodity													
Tetco Supply3 - Dem Commodity	665,000	618,134	280,000	309,906									
Tetco Supply4 - Dem Commodity	155,000	155,000	140,000	155,000									
Tetco Supply5 - Dem Commodity	-	85,000	374,991	465,000									
Tetco Supply7 - Dem Commodity												300,000	310,000
Tetco Supply13 - Dem Commodity						300,000	310,000	300,000	310,000	310,000	300,000	310,000	-
Tetco Supply14 - Dem Commodity													
Tetco Supply16 - Dem Commodity	155,000	154,876	139,957	153,831	148,197	155,000	150,000	155,000	155,000	150,000	155,000	150,000	155,000
Tetco Supply17 - Dem Commodity	310,000	307,865	280,000	310,000									
Tetco Supply18 - Dem Commodity													
Tetco Supply19 - Dem Commodity													
Tetco Supply20 - Dem Commodity												150,000	155,000
Tetco Supply21 - Dem Commodity	154,999	153,446	140,000	155,000	-	-	-	-	-	-	-	-	-
Tetco Supply22 - Dem Commodity													
Tetco Supply23 - Dem Commodity													
Tetco Supply24 - Dem Commodity	810,000	898,767	840,000	930,000	545,000	301,010	291,300	301,010	301,010	291,300	394,870	600,000	620,000
Tetco Supply25 - Dem Commodity	155,000	155,000	137,117	155,000	-							600,000	740,000
Tetco Supply26 - Dem Commodity												150,000	155,000
Tetco Supply27 - Dem Commodity	500,000	620,000	560,000	619,727	600,000	320,000	600,000	620,000	620,000	600,000	620,000	150,000	235,000
Tetco Supply28 - Dem Commodity					150,000	155,000	150,000	155,000	155,000	150,000	155,000	-	-
Tetco Supply29 - Dem Commodity					150,000	155,000	150,000	155,000	155,000	150,000	155,000	150,000	155,000
												150,000	155,000

Philadelphia Gas Works
Cost Of Fuels Purchased

Rate - \$	Jan-15	Feb-15	Mar-15	Apr-15	May-15	JUNE-15	JULY-15	AUG-15	SEPT-15	OCT-15	NOV-15	DEC-15
Spot Purchases -Transco	\$ 4 9505	\$ 12 4384	\$ 3 6568	\$ 2 4719					\$ 1 7797	\$ -	\$ 1 5620	\$ 1 0123
Spot Dem-Transco												
Spot Purchases -Tetco	\$ 3 4911	\$ 4 2028	\$ 4 6359									
Spot for Resale												
Firm Contracts												
Transco Supply2 - Dem Commodity		\$ 3 0000	\$ -	\$ 2 4200	\$ 2 3800	\$ 2 5200	\$ 2 1400	\$ 2 1400	\$ 2 2700	\$ 2 1600	\$ 0 0100	\$ 0 0100
Transco Supply3 - Dem Commodity	\$ 6 3400	\$ 6 1400	\$ 4 6400	\$ 4 7700	\$ 2 3450	\$ 2 4850	\$ 2 1050	\$ 2 1050	\$ 2 2350	\$ 2 2350	\$ 2 0895	\$ 2 0894
Transco Supply6 - Dem Commodity	\$ 3 4693	\$ 3 4190	\$ 4 0450								\$ 2 4325	\$ 2 5575
Transco Supply8 - Dem Commodity	\$ 0 0025	\$ 0 0025	\$ 0 0025	\$ 0 0025	\$ 0 0025	\$ 0 0025	\$ 0 0025	\$ 0 0025	\$ 0 0025	\$ 0 0025	\$ 0 0100	\$ 0 0100
Transco Supply10 - Dem Commodity	\$ 3 0613	\$ 2 8210	\$ 2 8062	\$ 2 5607	\$ 2 8463	\$ 2 7565	\$ 2 8263	\$ 2 7782	\$ 2 6256	\$ 2 3112	\$ 2 3539	\$ 2 4285
Transco Supply12 - Dem Commodity	\$ 4 1400	\$ 4 1400	\$ 4 1400	\$ 2 4925	\$ 2 5825	\$ 2 5825	\$ 2 5825	\$ 2 5825	\$ 2 5825	\$ 2 5825	\$ 2 8250	\$ 2 8250
Transco Supply14 - Dem Commodity	\$ 3 3678	\$ 3 2209	\$ 3 0568	\$ 2 5856	\$ 2 5925	\$ 2 6425	\$ 2 7125	\$ 2 7125	\$ 2 5955	\$ 2 6375		
Transco Supply17 - Dem Commodity												
Transco Supply20 - Dem Commodity												
Transco Supply21 - Dem Commodity												
Transco Supply22 - Dem Commodity	\$ 0 0075	\$ 0 0075	\$ 0 0075	\$ 0 0075	\$ 0 0075	\$ 0 0075	\$ 0 0075	\$ 0 0075	\$ 0 0075	\$ 0 0075	\$ 0 0075	\$ 0 0075
Transco Supply23 - Dem Commodity	\$ 2 9985	\$ 2 8459	\$ 2 7932	\$ 2 5629	\$ 2 5400					\$ 2 3136	\$ 2 0772	\$ 2 1645
Transco Supply24 - Dem Commodity	\$ 3 5700	\$ 3 9650	\$ 3 7709	\$ 2 7050	\$ 2 7250	\$ 2 7700	\$ 2 8250	\$ 2 8150	\$ 2 6830	\$ 2 6830	\$ 2 4850	\$ 2 1900
Transco Supply25 - Dem Commodity	\$ 0 0050	\$ 0 0050	\$ 0 0050	\$ 0 0050	\$ 0 0050	\$ 0 0050	\$ -	\$ 0 0035	\$ 0 0050	\$ 0 0050	\$ 2 3097	
Transco Supply26 - Dem Commodity	\$ 2 9985	\$ 2 8459	\$ 2 7932	\$ 2 5629	\$ 2 8202	\$ 2 6513						
Transco Supply27 - Dem Commodity												
Transco Supply28 - Dem Commodity												
Transco Supply29 - Dem Commodity	\$ 3 9650	\$ 3 9650	\$ 3 9650									
Transco Supply30 - Dem Commodity												
Transco Supply31 - Dem Commodity											\$ 2 6825	\$ 2 6825
Tetco Supply1 - Dem Commodity												
Tetco Supply2 - Dem Commodity												
Tetco Supply3 - Dem Commodity	\$ 3 4784	\$ 3 9500	\$ 3 9500									
Tetco Supply4 - Dem Commodity	\$ 2 4900	\$ 2 4900	\$ 2 4900									
Tetco Supply5 - Dem Commodity	\$ 2 8368	\$ 2 8714	\$ 2 7750								\$ 1 3230	\$ 1 4960
Tetco Supply7 - Dem Commodity												
Tetco Supply13 - Dem Commodity				\$ 1 6400	\$ 1 5670	\$ 1 8650	\$ 1 8230	\$ 1 9380	\$ 1 6880	\$ 1 6130		
Tetco Supply14 - Dem Commodity												
Tetco Supply16 - Dem Commodity	\$ 3 8750	\$ 3 8750	\$ 3 8750	\$ 2 4450	\$ 2 6600	\$ 2 6600	\$ 2 6600	\$ 2 6600	\$ 2 6600	\$ 2 6600	\$ 2 0450	\$ 2 4550
Tetco Supply17 - Dem Commodity	\$ 3 9700	\$ 3 5800	\$ 3 5800									
Tetco Supply18 - Dem Commodity												
Tetco Supply19 - Dem Commodity											\$ 2 6900	\$ 2 6900
Tetco Supply20 - Dem Commodity	\$ 3 6130	\$ 2 7850	\$ 2 8050									
Tetco Supply21 - Dem Commodity												
Tetco Supply22 - Dem Commodity												
Tetco Supply23 - Dem Commodity												
Tetco Supply24 - Dem Commodity	\$ 2 3959	\$ 2 7701	\$ 2 4540	\$ 1 5144	\$ 1 4181	\$ 1 3486	\$ 1 2753	\$ 1 3365	\$ 1 3129	\$ 1 3770	\$ 0 0050	\$ 0 0050
Tetco Supply25 - Dem Commodity	\$ 3 9700	\$ 3 9700	\$ 3 9700								\$ 1 2150	\$ 1 4924
Tetco Supply26 - Dem Commodity	\$ 2 3167	\$ 2 9226	\$ 2 4479	\$ 1 4935	\$ 2 7845	\$ 1 3188	\$ 1 1609	\$ 1 2480	\$ 1 1866	\$ 1 2279	\$ 1 3280	\$ 1 5010
Tetco Supply27 - Dem Commodity				\$ 1 3900	\$ 1 3700	\$ 1 3900	\$ 1 2600	\$ 1 2300	\$ 1 1300	\$ 1 1800	\$ -	\$ -
Tetco Supply28 - Dem Commodity				\$ 1 3650	\$ 1 3450	\$ 1 3650	\$ 1 2350	\$ 1 2050	\$ 1 1050	\$ 1 1550	\$ 1 2150	\$ 1 5350
Tetco Supply29 - Dem Commodity											\$ 2 4100	\$ 2 1100

Philadelphia Gas Works
Volumes Purchased
Williams Pipeline Company

Volumes-DTH	Jan-15	Feb-15	Mar.-15	Apr.-15	May.-15	JUNE.-15	JULY.-15	AUG.-15	SEPT.-15	OCT.-15	NOV.-15	DEC.-15
S-2 Storage Capacity	1,088,612	1,205,249	1,166,370	1,205,249	1,166,370	1,205,249	1,205,249	1,166,370	1,205,249	-	2,371,619	1,205,249
S-2 Demand	145,348	160,921	155,730	160,921	155,730	160,921	160,921	155,730	160,921	-	316,651	160,921
Handling fr Stg.	126,606	115,990	37,280	3,900							15,266	47,020
Handling to Stg.				24,782	55,955	54,150	55,955	60,946	57,000	56,949	9,989	
GSS Demand	1,908,577	115,464,524	1,908,577	1,847,010	1,908,577	1,847,010	1,908,577	1,908,577	1,847,010	1,908,577	1,847,010	1,908,577
Stg. Cap.Vol. Chg.	127,835,723	1,723,876	127,835,723	123,711,990	127,835,723	123,711,990	127,835,723	127,835,723	123,711,990	127,835,723	123,711,990	127,835,723
Handling fr Stg.	1,134,366	1,163,134	362,485	50,464	-					31,069	223,329	381,574
Storage Injection	10,547		158,598	343,647	523,689	524,130	545,421	556,726	542,372	444,838	79,262	162,648
WSS Demand	1,088,565	983,220	1,088,565	1,053,450	1,088,565	1,053,450	1,088,565	1,088,565	1,053,450	1,088,565	1,053,450	1,088,565
Stg. Cap Vol Chg.	103,413,179	93,405,452	103,413,179	100,077,270	103,413,179	100,077,270	103,413,179	103,413,179	100,077,270	103,413,179	100,077,270	103,413,179
Handling fr Stg.	347,833	328,774	94,599	16,184							17,898	83,260
Handling to Stg.	8		37,079	69,645	60,445	154,306	207,090	200,864	113,727	67,658	10	19,250
FT Demand/3691	5,121,572	4,625,936	5,145,349	4,979,370	5,145,349	4,979,370	5,145,349	5,145,349	4,979,370	5,145,349	4,979,370	5,121,572
FT Commodity/3691	5,033,541	4,810,308	4,805,399	3,075,335	2,063,530	1,650,617	1,545,737	1,529,702	1,137,775	2,143,405	2,149,129	2,345,976
PSFT Demand/5001	84,754	76,552	-	-								84,754
PSFT Commodity/5001												
Eminence Cust.Dem.												
Eminence Cust. Cap.												
Eminence Storage Dem.	1,188,137	1,073,156	1,188,137	1,149,810	1,188,137	1,149,810	1,188,137	1,188,137	1,149,810	1,188,137	1,149,810	1,188,137
Eminence Storage Cap.	10,025,896	9,055,648	10,025,896	9,702,480	10,025,896	9,702,480	10,025,896	10,025,896	9,702,480	10,025,896	9,702,480	10,025,896
Handling fr Stg.	53,754	82,759	6,470	1,730	-							19,339
Handling to Stg.	-		7,303	13,417	247	91,072	99,138	99,138	10,360	-		
Capacity Rel. Dem.Credit #3691	(821,183)	(547,512)	(914,965)	(701,164)	(1,735,616)	(5,168,630)	(2,933,251)	(2,933,251)	(2,534,370)	(2,782,777)	(910,290)	(965,304)
Capacity Rel.Dem. Credit #5001												
S2 Credit												
Eminence #2 Demand	1,614,387	1,458,156	1,614,387	1,562,310	1,614,387	1,562,310	1,614,387	1,614,387	1,562,310	1,614,387	1,562,310	1,614,387
Eminence #2 Capacity	13,623,105	12,304,740	13,623,105	13,183,650	13,623,105	13,183,650	13,623,105	13,623,105	13,183,650	13,623,105	13,183,650	13,623,105
Handling to Stg.	-		10,776	10,841	-	117,864	134,726	131,777	10,871	-		
Handling fr. Stg.	65,799	82,759	27,524	506	-							53,261
Eminence #2 adj.												
Cashout/Cashout Majority Sell 3/31/15				7,663								
S 2 Adj. (02/1/15 - 02/28/15)												
WSS Capacity Release	(46,500,000)	(42,000,000)	(46,500,000)	(45,000,000)	(46,500,000)	(45,000,000)	(46,500,000)	(46,500,000)	(45,000,000)	(46,500,000)	(45,000,000)	(46,500,000)
FTDemand Charges Paid by VA Power												
Cashout / Cashout 12/31/14	(207)											
WSS Storage Capacity (Texta Energy)				(473,700)	(489,490)							
Cashout / Cashout Majority 03/31/15												
S2 Adj. (08/1/15 - 08/31/15)												
Cashout/Cashout Majority Buy 08/31/15									-1040			

Philadelphia Gas Works
Cost Of Fuel Purchased
Williams Pipeline Company

Rate - \$	Jan-15	Feb-15	Mar-15	Apr-15	May-15	JUNE-15	JULY-15	AUG-15	SEPT-15	OCT-15	NOV-15	DEC-15
S-2 Capacity	0.00397	0.00397	0.00397	0.00397	0.00397	0.00397	0.00397	0.00397	0.00397	0.00000	0.00397	0.00397
Storage Demand	0.14236	0.14578	0.14578	0.14578	0.14578	0.14578	0.14578	0.14528	0.14528	0.00000	0.14528	0.14528
Handling fr Stg.	0.06498	0.07098	0.07098	0.07098	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.07138	0.04798
Handling to Stg.	0.00000	0.00000	0.00000	0.04245	0.04245	0.04245	0.04245	0.04245	0.04245	0.04245	0.04245	0.00000
GSS Demand	0.10069	0.00150	0.10069	0.10083	0.10083	0.10083	0.10083	0.10083	0.10083	0.10083	0.10082	0.10082
Stg. Cap.Vol. Chg.	0.00053	0.03550	0.00053	0.00053	0.00053	0.00053	0.00053	0.00053	0.00053	0.00053	0.00053	0.00053
Handling fr Stg.	0.04367	0.04367	0.04367	0.04408	0.00000	0.00000	0.00000	0.00000	0.00000	0.04408	0.04187	0.04187
Storage Injection	0.05242	0.00000	0.05242	0.05283	0.05283	0.05283	0.05283	0.05283	0.05283	0.05283	0.04883	0.04883
WSS Demand	0.02198	0.02198	0.02198	0.02198	0.02198	0.02198	0.02198	0.02198	0.02198	0.02198	0.02198	0.02198
Stg. Cap Vol Chg.	0.00023	0.00023	0.00023	0.00023	0.00023	0.00023	0.00023	0.00023	0.00023	0.00023	0.00023	0.00023
Handling fr Stg.	0.01456	0.01456	0.01456	0.01456	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.01456	0.01456
Handling to Stg.	0.01000	0.00000	0.01456	0.01456	0.01456	0.01456	0.01456	0.01456	0.01456	0.01456	0.01000	0.01455
FT Demand/.3691	0.47561	0.47561	0.47391	0.47600	0.47600	0.47600	0.47600	0.47600	0.47600	0.47600	0.47600	0.47771
FT Commodity/.3691	0.02357	0.02382	0.02322	0.02310	0.01905	0.01646	0.01497	0.01482	0.01826	0.02557	0.03132	0.03129
PSFT Demand/.5001	0.71159	0.71159	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.71469
PSFT Commodity/.5001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Eminence Cust.Dem.	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Eminence Cust. Cap.	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Eminence Storage Dem.	0.02109	0.02109	0.02109	0.02109	0.02109	0.02109	0.02109	0.02109	0.02109	0.02109	0.02109	0.02109
Eminence Storage Cap.	0.00252	0.00252	0.00252	0.00252	0.00252	0.00252	0.00252	0.00252	0.00252	0.00252	0.00252	0.00252
Handling fr Stg.	0.04113	0.04113	0.04113	0.04113	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.04113
Handling to Stg.	0.00000	0.00000	0.04113	0.04113	0.04113	0.04113	0.04113	0.04113	0.04113	0.00000	0.00000	0.00000
Capacity Rel. Dem.Credit #3691	0.31493	0.24171	0.33571	0.20620	0.12047	0.04684	0.09190	0.09190	0.10252	0.14147	0.31475	0.32136
Capacity Rel. Dem Credit #5001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
S2 Credit	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Eminence #2 Demand	0.02109	0.02109	0.02109	0.02109	0.02109	0.02109	0.02109	0.02109	0.02109	0.02109	0.02109	0.02109
Eminence #2 Capacity	0.00252	0.00252	0.00252	0.00252	0.00252	0.00252	0.00252	0.00252	0.00252	0.00252	0.00252	0.00252
Handling to Stg.	0.00000	0.00000	0.04113	0.04113	0.00000	0.04113	0.04113	0.04113	0.04113	0.00000	0.00000	0.00000
Handling fr Stg.	0.04113	0.04113	0.04113	0.04105	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.04113
Eminence #2 adj.	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Cashout / Cashout Majority 03/31/15	0.00000	0.00000	0.00000	2.93800	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
S 2 Adj. (02/1/15 - 02/28/15)	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
WSS Capacity Release	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
FT-Demand Charges Paid by VA Power	3.05198	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Cashout / Cashout 12/31/14							0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
S2 Adj. (08/1/15 - 08/31/15)							0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Cashout / Cashout Majority Buy 08/31/15								1.83070	0.00000	0.00000	0.00000	0.00000

Philadelphia Gas Works
Cost of Fuel Purchased
Williams Pipeline Company

Amount - \$	Jan-15	Feb-15	Mar-15	Apr-15	May-15	JUNE-15	JULY-15	AUG-15	SEPT-15	OCT-15	NOV-15	DEC -15
S-2 Capacity	\$ 4,322	\$ 4,785	\$ 4,631	\$ 4,785	\$ 4,631	\$ 4,785	\$ 4,785	\$ 4,631	\$ 4,785	\$ -	\$ 9,415	\$ 4,785
Storage Demand	\$ 20,692	\$ 23,459	\$ 22,703	\$ 23,459	\$ 22,703	\$ 23,459	\$ 23,459	\$ 22,625	\$ 23,379	\$ -	\$ 46,003	\$ 23,379
Handling fr Stg.	\$ 8,227	\$ 8,233	\$ 2,645	\$ 277	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,090	\$ 2,256
Handling to Stg.	\$ -	\$ -	\$ -	\$ 1,052	\$ 2,375	\$ 2,299	\$ 2,375	\$ 2,587	\$ 2,420	\$ 2,417	\$ -	\$ 424
GSS Demand	\$ 192,175	\$ 173,577	\$ 192,175	\$ 186,234	\$ 192,442	\$ 186,234	\$ 192,442	\$ 192,442	\$ 186,234	\$ 192,442	\$ 186,215	\$ 192,423
Stg. Cap.Vol. Chg.	\$ 67,753	\$ 61,196	\$ 67,753	\$ 65,567	\$ 67,753	\$ 65,567	\$ 67,753	\$ 67,753	\$ 65,567	\$ 67,753	\$ 65,567	\$ 67,753
Handling fr Stg.	\$ 49,538	\$ 50,794	\$ 15,830	\$ 2,224	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,370	\$ 9,351	\$ 15,977
Storage Injection	\$ 553	\$ -	\$ 8,314	\$ 18,155	\$ 27,666	\$ 27,690	\$ 28,815	\$ 29,412	\$ 28,654	\$ 23,501	\$ 3,870	\$ 7,942
WSS Demand	\$ 23,927	\$ 21,611	\$ 23,927	\$ 23,155	\$ 23,927	\$ 23,155	\$ 23,927	\$ 23,927	\$ 23,155	\$ 23,927	\$ 23,155	\$ 23,927
Stg. Cap Vol Chg.	\$ 23,785	\$ 21,483	\$ 23,785	\$ 23,018	\$ 23,785	\$ 23,018	\$ 23,785	\$ 23,785	\$ 23,018	\$ 23,785	\$ 23,018	\$ 23,785
Handling fr Stg.	\$ 5,064	\$ 4,787	\$ 1,377	\$ 236	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Handling to Stg.	\$ 0.08	\$ -	\$ 540	\$ 1,014	\$ 880	\$ 2,247	\$ 3,015	\$ 2,925	\$ 1,656	\$ 985	\$ 261	\$ 1,212
FT Demand/3691	\$ 2,435,855	\$ 2,200,127	\$ 2,438,414	\$ 2,370,170	\$ 2,449,176	\$ 2,370,170	\$ 2,449,176	\$ 2,449,176	\$ 2,370,170	\$ 2,449,176	\$ 2,370,170	\$ 2,448,612
FT Commodity/3691	\$ 118,653	\$ 114,558	\$ 111,595	\$ 71,045	\$ 39,320	\$ 27,162	\$ 23,144	\$ 22,664	\$ 20,776	\$ 54,799	\$ 67,308	\$ 73,437
PSFT Demand/5001	\$ 60,311	\$ 54,474	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 60,573
PSFT Commodity	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Eminence Cust.Dem.	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Eminence Cust. Cap.	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Eminence Storage Dem.	\$ 25,058	\$ 22,633	\$ 25,058	\$ 24,250	\$ 25,058	\$ 24,250	\$ 25,058	\$ 25,058	\$ 24,250	\$ 25,058	\$ 24,250	\$ 25,058
Eminence Storage Cap.	\$ 25,265	\$ 22,820	\$ 25,265	\$ 24,450	\$ 25,265	\$ 24,450	\$ 25,265	\$ 25,265	\$ 24,450	\$ 25,265	\$ 24,450	\$ 25,265
Handling fr Stg.	\$ 2,211	\$ 3,404	\$ 266	\$ 71	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 795
Handling to Stg.	\$ -	\$ -	\$ 300	\$ 552	\$ 10	\$ 3,746	\$ 4,077	\$ 4,077	\$ 426	\$ -	\$ -	\$ -
Capacity Rel. Dem.Credit #3691	\$ (258,617)	\$ (132,337)	\$ (307,160)	\$ (144,563)	\$ (209,097)	\$ (242,117)	\$ (269,552)	\$ (269,552)	\$ (259,834)	\$ (393,684)	\$ (286,510)	\$ (316,639)
Capacity Rel. Dem.Credit #5001	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
S2 Credit	\$ (6,248)	\$ (3,146)	\$ (3,149)	\$ (3,118)	\$ (3,161)	\$ (3,163)	\$ (3,208)	\$ (3,201)	\$ (3,374)	\$ (3,340)	\$ (3,292)	\$ (3,312)
Eminence #2 Demand	\$ 34,047	\$ 30,752	\$ 34,047	\$ 32,949	\$ 34,047	\$ 32,949	\$ 34,047	\$ 34,047	\$ 32,949	\$ 34,047	\$ 32,949	\$ 34,047
Eminence #2 Capacity	\$ 34,330	\$ 31,008	\$ 34,330	\$ 33,223	\$ 34,330	\$ 33,223	\$ 34,330	\$ 34,330	\$ 33,223	\$ 34,330	\$ 33,223	\$ 34,330
Handling to Stg.	\$ -	\$ -	\$ 443	\$ 446	\$ -	\$ 4,848	\$ 5,541	\$ 5,420	\$ 447	\$ -	\$ -	\$ -
Handling fr Stg.	\$ 2,706	\$ 3,404	\$ 1,132	\$ 21	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,191
Eminence #2 adj.	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Cashout / Cashout	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Cashout / Cashout Majority Sell 03/31/15	\$ -	\$ -	\$ -	\$ 22,514	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
S2 Adj. (02/1/15 - 02/28/15)	\$ -	\$ 497	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
WSS Capacity Release	\$ (11,625)	\$ (10,500)	\$ (11,625)	\$ (14,850)	\$ (15,345)	\$ (14,850)	\$ (15,345)	\$ (15,345)	\$ (14,850)	\$ (15,345)	\$ (14,850)	\$ (15,345)
FT-Demand Charges Paid by VA Power	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Cashout / Cashout 12/31/14	\$ (632)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
S2 Adj. (08/1/15 - 08/31/15)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (61)	\$ -	\$ -	\$ -	\$ -
Cashout / Cashout Majority Buy 08/31/15	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (1,904)	\$ -	\$ -	\$ -	\$ -
TOTAL	\$ 2,857,350	\$ 2,707,620	\$ 2,712,596	\$ 2,766,316	\$ 2,745,765	\$ 2,619,121	\$ 2,682,890	\$ 2,681,945	\$ 2,585,596	\$ 2,546,486	\$ 2,616,068	\$ 2,730,732

Philadelphia Gas Works
Cost Of Fuel Purchased
Texas Eastern

1307F 53.64 C1-Schedule 1
Page 8 of 11

Volumes - Dth	Jan-15	Feb-15	Mar-15	Apr-15	May-15	JUNE-15	JULY-15	AUG-15	SEPT-15	OCT-15	Nov-15	Dec-15
CDS Access Area Demand	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000
CDS Market Area Demand	97,573	97,573	97,546	97,573	97,573	97,573	97,573	97,573	97,573	97,573	97,573	97,573
CDS Commodity	1,772,673	1,621,625	1,841,940	1,687,408	1,493,425	1,445,250	1,600,081	1,493,425	1,445,250	1,584,425	525,240	721,127
CDS ACA Charge	1,772,673	1,621,625	1,841,940	1,687,408	1,493,425	1,445,250	1,600,081	1,493,425	1,445,250	1,584,425	525,240	721,127
FT1 Access Area Demand	23,822	23,822	23,822	23,822	23,822	23,822	23,822	23,822	23,822	23,822	23,822	23,822
FT1 Market Area Demand	54,878	54,878	54,878	54,878	54,878	54,878	54,878	54,878	54,878	54,878	53,878	54,878
FT1 Commodity	0	0	0	0	0	0	0	0	0	0	0	0
FT1 ACA Charge	0	0	0	0	0	0	0	0	0	0	0	0
SS1 Demand 400121	44,118	44,118	44,118	44,118	44,118	44,118	44,118	44,118	44,118	44,118	44,118	44,118
Space Charge	220,590	220,590	220,590	220,590	220,590	220,590	220,590	220,590	220,590	220,590	220,590	220,590
Handling fr Storage	621,243	626,230	339,449	75,326	0	0	0	0	0	0	148,419	156,146
Excess Withdrawal	10,125	0	0	0	0	0	0	0	0	0	0	0
Storage Injection	0	0	65,934	177,475	213,789	388,446	157,408	112,702	401,082	341,412	96,841	76,908
Excess Injection	0	0	95,817	68,448	654	0	0	0	0	0	9,191	4,200
Storage Surcharge Credit												
SS1 Demand 400209	20,847	20,847	20,847	20,847	20,847	20,847	20,847	20,847	20,847	20,847	20,847	20,847
Space Charge	205,177	205,177	205,177	205,177	205,177	205,177	205,177	205,177	205,176	205,176	205,176	205,176
Handling fr Storage	512,421	562,152	358,900	135,320	0	0	0	0	0	36,987	187,708	148,662
Excess Withdrawal												
Storage Injection	4,160	0	69,853	235,050	373,934	103,247	328,425	392,336	39,690	166,505	139,697	178,338
Excess Injection	0	0	0	0	0	0	0	0	0	35,788	83,625	0
Storage Surcharge Credit	0											
FTS-2 Demand	5,394	5,394	5,394	5,394	5,394	5,394	5,394	5,394	5,394	5,394	5,394	5,394
FTS-7 Demand	7,788	7,788	7,788	7,788	7,788	7,788	7,788	7,788	7,788	7,788	7,788	7,788
FTS-8 Demand	25,709	25,709	25,709	25,709	25,709	25,709	25,709	25,709	25,709	25,709	25,709	25,709
FT-1 Acc.Area Dem. 800514	18,000	18,000	18,000	18,000	18,000	18,000	18,000	18,000	18,000	18,000	18,000	18,000
FT-1 Market Area Demand	11,474	11,474	11,474	11,474	11,474	11,474	11,474	11,474	11,474	11,474	11,474	11,474
FT Commodity	556,513	501,277	557,910	0	0						540,000	558,000
FT-1 ACA Charge	556,513	501,277	557,910	0	0						540,000	558,000
FT1-3 Cap.Rel. dem.credit 800514	0	0	0	(540,000)	(913,694)	(884,220)	(913,694)	(913,694)	(884,220)	(558,000)	0	0
FT-1 Acc.Area Dem. 800515	18,000	18,000	18,000	18,000	18,000	18,000	18,000	18,000	18,000	18,000	18,000	18,000
FT-1 Market Area Demand	0	11,474	11,474	11,474	11,474	11,474	11,474	11,474	11,474	11,474	11,474	11,474
FT Commodity	527,790	503,959	556,681	0	0	0	0	0	0	0	540,000	558,000
FT-1 ACA Charge	527,790	503,959	556,681	0	0	0	0	0	0	0	540,000	558,000
FT1-3 Cap.Rel. dem. credit 800515	0	0	0	(540,000)	(913,694)	(884,220)	(913,694)	(913,694)	(884,220)	(558,000)	0	0
CDS 800232 M1-M2 Cap. Rel.	(290,911)	(265,870)	(294,903)	(286,080)	(313,309)	(378,540)	(391,158)	(391,158)	(376,320)	(397,885)	(310,170)	(365,161)
FT1-800233 M1-M3 Cap. Rel.	(719,448)	(649,824)	(719,448)	(696,240)	(719,448)	(696,240)	(719,448)	(719,448)	(696,240)	(719,448)	(626,280)	(647,156)
FTS-2,7,8 ACA	1,062,654	910,291	446,410	150,000	155,000	150,000	45,000	155,000	150,000	155,000	237,423	333,668
CSHOUT UNDER 5% DS 04/15					(2,084)							

**Philadelphia Gas Works
Cost Of Fuel Purchased
Texas Eastern**

Amount - \$	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15
CDS Access Area Demand	\$ 769,650	\$ 798,975	\$ 798,975	\$ 798,975	\$ 798,975	\$ 798,975	\$ 798,975	\$ 794,700	\$ 794,700	\$ 794,700	\$ 794,700	\$ 795,000
CDS Market Area Demand	\$ 330,152	\$ 330,249	\$ 330,249	\$ 330,249	\$ 330,249	\$ 330,249	\$ 330,249	\$ 330,249	\$ 330,249	\$ 330,249	\$ 330,249	\$ 330,249
CDS Commodity	\$ 121,804	\$ 144,231	\$ 165,097	\$ 125,051	\$ 111,085	\$ 107,501	\$ 118,828	\$ 112,638	\$ 109,004	\$ 119,335	\$ 42,763	\$ 38,596
CDS ACA Charge	\$ 2,482	\$ 2,270	\$ 2,579	\$ 2,362	\$ 2,091	\$ 2,023	\$ 2,240	\$ 2,091	\$ 2,023	\$ 2,218	\$ 735	\$ 1,010
FT1 Access Area Demand	\$ 239,149	\$ 248,463	\$ 248,463	\$ 248,463	\$ 248,463	\$ 248,463	\$ 248,463	\$ 247,106	\$ 247,106	\$ 247,106	\$ 247,106	\$ 247,201
FT1 Market Area Demand	\$ 194,632	\$ 194,687	\$ 194,687	\$ 194,687	\$ 194,687	\$ 194,687	\$ 194,687	\$ 194,687	\$ 194,687	\$ 194,687	\$ 194,687	\$ 194,687
FT1 Commodity												
FT1 ACA Charge												
SS1 Demand 400121	\$ 235,237	\$ 239,825	\$ 239,825	\$ 239,825	\$ 239,825	\$ 239,825	\$ 239,825	\$ 239,164	\$ 239,164	\$ 239,164	\$ 239,164	\$ 239,164
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 fr Storage	\$ 45,040	\$ 49,159	\$ 26,647	\$ 5,913							\$ 11,710	\$ 8,666
Excess Withdrawal	\$ 10,123											
Storage Injection	\$ -	\$ -	\$ 2,868	\$ 7,720	\$ 9,300	\$ 16,897	\$ 6,847	\$ 4,903	\$ 17,447	\$ 14,851	\$ 4,213	\$ 2,692
Excess Injection	\$ -	\$ -	\$ 16,126	\$ 11,520	\$ 110						\$ 1,547	\$ 671
Storage Surcharge Credit	\$ (26,760)	\$ (26,785)	\$ (26,519)	\$ (26,886)	\$ (26,879)	\$ (27,265)	\$ (27,206)	\$ (28,677)	\$ (28,388)	\$ (27,979)	\$ (28,145)	\$ (28,007)
SS1 Demand 400209	\$ 111,156	\$ 113,324	\$ 113,324	\$ 113,324	\$ 113,324	\$ 113,324	\$ 113,324	\$ 113,012	\$ 113,012	\$ 113,012	\$ 113,012	\$ 113,012
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 fr Storage	\$ 37,151	\$ 44,129	\$ 28,174	\$ 10,623						\$ 2,918	\$ 14,810	\$ 8,251
Excess Withdrawal												
Storage Injection	\$ 181	\$ -	\$ 3,039	\$ 10,225	\$ 16,266	\$ 4,491	\$ 14,286	\$ 17,067	\$ 1,727	\$ 7,243	\$ 6,077	\$ 6,242
Excess Injection										\$ 6,023	\$ 14,074	\$ -
Storage Surcharge Credit	\$ (12,660)	\$ (12,672)	\$ (12,546)	\$ (12,720)	\$ (12,716)	\$ (12,899)	\$ (12,871)	\$ (13,567)	\$ (13,430)	\$ (13,237)	\$ (13,315)	\$ (13,250)
FTS-2 Demand	\$ 42,931	\$ 42,931	\$ 42,931	\$ 42,931	\$ 42,931	\$ 42,931	\$ 42,931	\$ 42,931	\$ 42,931	\$ 42,931	\$ 42,931	\$ 42,936
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	\$ 180,702	\$ 187,740	\$ 187,740	\$ 187,740	\$ 187,740	\$ 187,740	\$ 187,740	\$ 186,714	\$ 186,714	\$ 186,714	\$ 186,714	\$ 186,786
FT-1 Market Area Demand	\$ 25,673	\$ 25,685	\$ 25,685	\$ 25,685	\$ 25,685	\$ 25,685	\$ 25,685	\$ 25,685	\$ 25,685	\$ 25,685	\$ 25,685	\$ 25,685
FT Commodity	\$ 40,270	\$ 47,673	\$ 53,100	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 48,434	\$ 33,588
FT-1 ACA Charge	\$ 779	\$ 702	\$ 781	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 756	\$ 781
FT1-3 Cap.Rel. dem. credit 800514	\$ -	\$ -	\$ -	\$ (103,140)	\$ (135,650)	\$ (131,274)	\$ (135,638)	\$ (139,600)	\$ (135,097)	\$ (97,706)	\$ -	\$ -
FT-1 Acc.Area Dem. 800515	\$ 180,702	\$ 187,740	\$ 187,740	\$ 187,740	\$ 187,740	\$ 187,740	\$ 187,740	\$ 186,714	\$ 186,714	\$ 186,714	\$ 186,714	\$ 186,786
FT-1 Market Area Demand	\$ 25,673	\$ 25,685	\$ 25,685	\$ 25,685	\$ 25,685	\$ 25,685	\$ 25,685	\$ 25,685	\$ 25,685	\$ 25,685	\$ 25,685	\$ 25,685
FT Commodity	\$ 34,889	\$ 43,162	\$ 47,649	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 46,434	\$ 33,588
FT-1 ACA Charge	\$ 739	\$ 706	\$ 779	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 756	\$ 781
FT1-3 Cap.Rel. dem. credit 800515	\$ -	\$ -	\$ -	\$ (89,154)	\$ (135,650)	\$ (131,274)	\$ (135,638)	\$ (139,600)	\$ (135,097)	\$ (99,882)	\$ -	\$ -
CDS 800232 M1-M2 Cap. Rel.	\$ (119,368)	\$ (114,551)	\$ (126,307)	\$ (122,528)	\$ (128,474)	\$ (142,032)	\$ (146,766)	\$ (146,259)	\$ (140,594)	\$ (148,220)	\$ (132,319)	\$ (155,872)
FT1-800233 M1-M3 Cap. Rel.	\$ (756,209)	\$ (683,028)	\$ (756,209)	\$ (127,883)	\$ (152,716)	\$ (147,790)	\$ (152,716)	\$ (152,716)	\$ (147,790)	\$ (127,115)	\$ (331,928)	\$ (342,993)
FTS-2,7,8 ACA	\$ 1,488	\$ 1,274	\$ 625	\$ 210	\$ 217	\$ 210	\$ 63	\$ 217	\$ 210	\$ 217	\$ 332	\$ 467
CSHOUT UNDER 5% DS				\$	\$ (5,277)							
Overpayment for Invoice 10/15										\$	\$ (200)	
Penalty Distribution for PGW 10/15										\$	\$ (72,144)	
Penalty Distribution for Phila Authori 11/15										\$	\$ (17,482)	
TOTAL	\$ 1,998,337	\$ 2,174,308	\$ 2,103,919	\$ 2,369,349	\$ 2,219,744	\$ 2,216,626	\$ 2,209,465	\$ 2,185,872	\$ 2,199,391	\$ 2,308,045	\$ 2,268,485	\$ 2,265,132

**DOMINION
COST OF FUEL PURCHASED**

Volumes	Jan-15	Feb-15	Mar-15	APR-15	MAY-15	JUNE-15	JULY-15	AUG-15	SEPT-15	OCT-15	NOV-15	DEC-15
GSS Storage Demand	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 Capacity	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 Injection				327,960	442,060	427,800	442,060	442,060	427,800	356,500	132,372	44,124
GSS Handling from Storage	922,356	782,848	296,040	-	-	-	-	-	-	-	88,812	181,391
GSS-TE Surcharge	922,356	782,848	296,040	-	-	-	-	-	-	-	88,812	181,391
GSS-TE Excess Injection												
Unauthorized Overrun Charges												
Rates - \$												
GSS Storage Demand	\$ 1.8625	\$ 1.8625	\$ 1.8625	\$ 1.8625	\$ 1.8625	\$ 1.8625	\$ 1.8625	\$ 1.8625	\$ 1.8625	\$ 1.8625	\$ 1.8618	\$ 1.8618
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	\$ 0.0318	\$ 0.0318	\$ 0.0318	\$ 0.0318	\$ 0.0318	\$ 0.0318	\$ 0.0318	\$ 0.0318	\$ 0.0318	\$ 0.0318	\$ 0.0262	\$ 0.0262
GSS Handling from Storage	\$ 0.0180	\$ 0.0180	\$ 0.0180	\$ 0.0180	\$ 0.0180	\$ 0.0180	\$ 0.0180	\$ 0.0180	\$ 0.0180	\$ 0.0180	\$ 0.0149	\$ 0.0149
GSS-TE Surcharge	\$ 0.0040	\$ 0.0040	\$ 0.0040	\$ 0.0040	\$ 0.0040	\$ 0.0040	\$ 0.0040	\$ 0.0040	\$ 0.0040	\$ 0.0040	\$ 0.0031	\$ 0.0031
GSS-TE Excess Injection	\$ 0.6363	\$ 0.6363	\$ 0.6363	\$ 0.6363	\$ 0.6363	\$ 0.6363	\$ 0.6363	\$ 0.6363	\$ 0.6363	\$ 0.6363	\$ 0.6363	\$ 0.6363
Unauthorized Overrun Charges	\$ 0.6316	\$ 0.6316	\$ 0.6316	\$ 0.6316	\$ 0.6316	\$ 0.6316	\$ 0.6316	\$ 0.6316	\$ 0.6316	\$ 0.6316	\$ 0.6316	\$ 0.6316
Total Amount - \$												
GSS Storage Demand	\$ 63,413	\$ 63,413	\$ 63,413	\$ 63,413	\$ 63,413	\$ 63,413	\$ 63,413	\$ 63,413	\$ 63,413	\$ 63,413	\$ 63,389	\$ 63,389
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	\$ -	\$ -	\$ -	\$ 10,430	\$ 14,058	\$ 13,604	\$ 14,058	\$ 14,058	\$ 13,604	\$ 11,337	\$ 3,468	\$ 1,156
GSS Handling from Storage	\$ 16,602	\$ 14,091	\$ 5,329	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,323	\$ 2,703
GSS-TE Surcharge	\$ 3,689	\$ 3,131	\$ 1,184	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 275	\$ 562
GSS-TE Excess Injection												
Overrun/Penalty Distribution					\$ (8,599)							
Unauthorized Overrun Charges												
TOTAL	\$ 140,529	\$ 137,460	\$ 126,750	\$ 130,667	\$ 134,295	\$ 125,243	\$ 134,295	\$ 134,295	\$ 133,842	\$ 131,574	\$ 125,281	\$ 124,635

Philadelphia Gas Works
 Pennsylvania Public Utilities Commission
 52 Pa. Code §53.61, et seq.
 For the Twelve Months Ending December 31, 2015

Schedule 2
 Item 53.64(C)(1)

MONTH	TGPL		TETCO		Combined Total	
	Total	Volume	Total	Volume	Total	Volume
	Credits	DTH'S	Credits	DTH'S	Credits	DTH'S
Jan-15	\$ 270,242	47,321,183	\$ 875,577	1,010,359	\$ 1,145,819	48,331,542
Feb-15	\$ 142,837	42,547,512	\$ 797,578	917,280	\$ 940,416	43,464,792
Mar-15	\$ 318,785	47,414,965	\$ 882,516	1,014,351	\$ 1,201,301	48,429,316
Apr-15	\$ 159,353	45,705,990	\$ 250,411	982,320	\$ 409,764	46,688,310
May-15	\$ 201,557	47,923,043	\$ 528,550	2,151,051	\$ 730,108	50,074,094
Jun-15	\$ 256,967	47,468,630	\$ 552,370	2,154,780	\$ 809,336	49,623,410
Jul-15	\$ 284,987	49,433,251	\$ 570,759	2,226,606	\$ 855,746	51,659,857
Aug-15	\$ 281,409	49,433,253	\$ 578,175	2,226,606	\$ 859,584	51,659,859
Sep-15	\$ 274,684	47,836,410	\$ 558,578	2,152,560	\$ 833,262	49,988,970
Oct-15	\$ 409,029	49,282,777	\$ 472,921	2,231,163	\$ 881,949	51,513,940
Nov-15	\$ 301,360	45,908,290	\$ 464,247	936,450	\$ 765,607	46,844,740
Dec-15	\$ 331,984	47,485,304	\$ 498,865	1,012,367	\$ 830,849	48,497,671
	\$ 3,233,193.28	567,760,608	\$ 7,030,546.57	\$ 19,015,893.00	\$ 10,263,739.85	586,776,501

Tab 4

Philadelphia Gas Works
Forecasted Summary of Total Fuel Purchased
January 2016-August 2017

Schedule J
Item 53.04(c)(1)

Volumes (Dth)

	1/1/2016: Jan	2/1/2016: Feb	3/1/2016: Mar	4/1/2016: Apr	5/1/2016: May	6/1/2016: Jun	7/1/2016: Jul	8/1/2016: Aug	9/1/2016: Sep	10/1/2016: Oct
Spot Purchases - Transco	534,752	1,156,959	837,511	219,399	171,847	21,171	21,877	21,877	21,171	567,629
Spot Purchases - Teteo	614,726	2,011,036	2,352,185	2,035,123	1,587,697	1,132,562	1,202,990	1,381,954	1,532,810	1,994,435
Transco Supply 1	-	-	-	-	-	-	-	-	-	-
Transco Supply 2	397,577	399,149	351,699	348,622	130,996	37,997	12,508	12,508	39,156	227,386
Transco Supply 3	-	-	-	-	-	-	-	-	-	-
Transco Supply 4	-	-	-	-	-	-	-	-	-	-
Transco Supply 5	-	-	-	-	-	-	-	-	-	-
Transco Supply 6	310,000	290,000	310,000	-	-	-	-	-	-	-
Transco Supply 7	-	-	-	-	-	-	-	-	-	-
Transco Supply 8	760,000	705,503	615,497	323,504	450,000	341,973	375,230	150,092	116,942	325,295
Transco Supply 9	-	-	-	-	-	-	-	-	-	-
Transco Supply 10	310,000	290,000	-	-	-	-	-	-	-	-
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	595,339	390,000	522,859	412,905	159,339	-	-	225,138	274,069	454,138
Transco Supply 23	310,000	290,000	310,000	-	-	-	-	-	-	-
Transco Supply 24	-	-	-	-	-	-	-	-	-	-
Transco Supply 25	-	-	-	-	-	-	-	-	-	-
Transco Supply 26	-	-	-	-	-	-	-	-	-	-
Transco Supply 27	-	-	-	-	-	-	-	-	-	-
Transco Supply 28	-	-	-	-	-	-	-	-	-	-
Transco Supply 29	-	-	-	-	-	-	-	-	-	-
Transco Supply 30	155,000	145,000	155,000	-	-	-	-	-	-	-
Transco Supply 31	155,000	145,000	155,000	-	-	-	-	-	-	-
Teteo Supply 1	-	-	-	-	-	-	-	-	-	-
Teteo Supply 2	-	-	-	-	-	-	-	-	-	-
Teteo Supply 3	-	-	-	-	-	-	-	-	-	-
Teteo Supply 4	-	-	-	-	-	-	-	-	-	-
Teteo Supply 5	310,000	-	-	-	-	-	-	-	-	-
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	155,000	145,000	155,000	-	-	-	-	-	-	-
Teteo Supply 17	-	-	-	-	-	-	-	-	-	-
Teteo Supply 18	-	-	-	-	-	-	-	-	-	-
Teteo Supply 19	155,000	145,000	155,000	-	-	-	-	-	-	-
Teteo Supply 20	-	-	-	-	-	-	-	-	-	-
Teteo Supply 21	-	-	-	-	-	-	-	-	-	-
Teteo Supply 22	-	-	-	-	-	-	-	-	-	-
Teteo Supply 23	-	-	-	-	-	-	-	-	-	-
Teteo Supply 24	1,200,000	345,000	235,067	204,893	268,335	210,000	175,000	155,000	150,000	220,729
Teteo Supply 25	155,000	-	-	-	-	-	-	-	-	-
Teteo Supply 26	455,000	346,002	113,020	150,000	190,000	230,000	240,000	80,000	40,000	30,000
Teteo Supply 27	-	-	-	-	-	-	-	-	-	-
Teteo Supply 28	155,000	-	-	-	-	-	-	-	-	-
Teteo Supply 29	155,000	145,000	155,000	-	-	-	-	-	-	-
Total Volumes	6,882,443	6,948,649	6,422,839	3,714,446	2,958,265	1,973,704	2,027,605	2,026,568	2,174,148	3,519,610

Philadelphia Gas Works
Forecasted Summary of Total Fuel Purchased
January 2016-August 2017

Schedule 3
Item 63.64(c)(1)

Volumes (Dth)

	11/1/2016: Nov	12/1/2016: Dec	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
Spot Purchases - Transco	1,448,431	2,434,006	2,624,833	2,441,409	1,924,674	957,268	146,204	-	-	-
Spot Purchases - Tetco	2,451,801	3,173,486	3,142,528	2,864,644	2,986,681	1,925,893	1,484,821	1,038,574	1,156,177	1,244,738
Transco Supply 1	-	-	-	-	-	-	-	-	-	-
Transco Supply 2	389,244	450,000	465,000	420,000	427,206	390,732	122,845	32,523	10,525	73,675
Transco Supply 3	-	-	-	-	-	-	-	-	-	-
Transco Supply 4	-	-	-	-	-	-	-	-	-	-
Transco Supply 5	-	-	-	-	-	-	-	-	-	-
Transco Supply 6	-	-	-	-	-	-	-	-	-	-
Transco Supply 7	-	-	-	-	-	-	-	-	-	-
Transco Supply 8	371,488	437,212	465,000	420,000	435,000	450,000	425,658	237,967	252,600	63,150
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	442,751	463,896	465,000	420,000	424,137	413,195	99,942	-	63,150	189,450
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	-	-	-	-	-	-	-	-	-	-
Tetco Supply 1	-	-	-	-	-	-	-	-	-	-
Tetco Supply 2	-	-	-	-	-	-	-	-	-	-
Tetco Supply 3	-	-	-	-	-	-	-	-	-	-
Tetco Supply 4	-	-	-	-	-	-	-	-	-	-
Tetco Supply 5	-	-	-	-	-	-	-	-	-	-
Tetco Supply 6	-	-	-	-	-	-	-	-	-	-
Tetco Supply 7	-	-	-	-	-	-	-	-	-	-
Tetco Supply 8	-	-	-	-	-	-	-	-	-	-
Tetco Supply 9	-	-	-	-	-	-	-	-	-	-
Tetco Supply 10	-	-	-	-	-	-	-	-	-	-
Tetco Supply 11	-	-	-	-	-	-	-	-	-	-
Tetco Supply 12	-	-	-	-	-	-	-	-	-	-
Tetco Supply 13	-	-	-	-	-	-	-	-	-	-
Tetco Supply 14	-	-	-	-	-	-	-	-	-	-
Tetco Supply 15	-	-	-	-	-	-	-	-	-	-
Tetco Supply 16	-	-	-	-	-	-	-	-	-	-
Tetco Supply 17	-	-	-	-	-	-	-	-	-	-
Tetco Supply 18	-	-	-	-	-	-	-	-	-	-
Tetco Supply 19	-	-	-	-	-	-	-	-	-	-
Tetco Supply 20	-	-	-	-	-	-	-	-	-	-
Tetco Supply 21	-	-	-	-	-	-	-	-	-	-
Tetco Supply 22	-	-	-	-	-	-	-	-	-	-
Tetco Supply 23	-	-	-	-	-	-	-	-	-	-
Tetco Supply 24	151,883	155,000	175,000	140,000	229,205	273,768	252,284	210,000	175,000	175,000
Tetco Supply 25	-	-	-	-	-	-	-	-	-	-
Tetco Supply 26	71,255	-	10,000	-	40,000	137,100	190,000	230,000	190,000	100,000
Tetco Supply 27	-	-	-	-	-	-	-	-	-	-
Tetco Supply 28	-	-	-	-	-	-	-	-	-	-
Tetco Supply 29	-	-	-	-	-	-	-	-	-	-
Total Volumes	5,325,853	7,113,600	7,347,361	6,706,053	6,466,904	4,553,649	2,722,754	1,799,064	1,847,451	1,846,012

Philadelphia Gas Works
Forecasted Summary of Total Fuel Purchased
January 2016-August 2017

Schedule 3
com 53.64(c)(1)

	1/1/2016: Jan	2/1/2016: Feb	3/1/2016: Mar	4/1/2016: Apr	5/1/2016: May	6/1/2016: Jun	7/1/2016: Jul	8/1/2016: Aug	9/1/2016: Sep	10/1/2016: Oct
Williams	\$ 2,737,440	\$ 2,699,226	\$ 2,586,686	\$ 2,517,634	\$ 2,486,009	\$ 2,467,799	\$ 2,465,283	\$ 2,464,684	\$ 2,460,127	\$ 2,493,243
Texas Eastern	\$ 2,408,976	\$ 2,385,474	\$ 2,344,827	\$ 2,082,416	\$ 2,049,646	\$ 2,040,316	\$ 2,025,777	\$ 2,025,080	\$ 2,001,172	\$ 2,008,823
Dominion	\$ 132,518	\$ 127,485	\$ 123,703	\$ 135,447	\$ 129,560	\$ 128,860	\$ 129,148	\$ 129,148	\$ 128,860	\$ 128,860
Spot Purchases - Transco	\$ 1,278,056	\$ 2,602,001	\$ 1,901,149	\$ 508,347	\$ 406,419	\$ 51,213	\$ 54,101	\$ 54,473	\$ 52,653	\$ 1,426,451
Spot Purchases - Tectco	\$ 780,702	\$ 3,115,045	\$ 3,692,930	\$ 3,290,794	\$ 2,643,516	\$ 1,946,874	\$ 2,132,902	\$ 2,473,697	\$ 3,107,005	\$ 4,094,575
Transco Supply 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Transco Supply 2	\$ 958,834	\$ 906,027	\$ 806,525	\$ 815,745	\$ 315,765	\$ 96,795	\$ 35,707	\$ 35,919	\$ 102,273	\$ 578,344
Transco Supply 3	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Transco Supply 4	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Transco Supply 5	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Transco Supply 6	\$ 752,525	\$ 689,837	\$ 737,413	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Transco Supply 7	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Transco Supply 8	\$ 1,741,875	\$ 1,557,046	\$ 1,357,608	\$ 757,298	\$ 1,073,400	\$ 835,153	\$ 936,347	\$ 379,880	\$ 296,504	\$ 825,369
Transco Supply 9	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Transco Supply 10	\$ 875,750	\$ 609,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
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	\$ 1,386,308	\$ 885,260	\$ 1,180,494	\$ 1,011,669	\$ 383,199	\$ 4,500	\$ 4,650	\$ 567,495	\$ 658,851	\$ 1,150,439
Transco Supply 23	\$ 641,700	\$ 578,550	\$ 618,450	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Transco Supply 24	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Transco Supply 25	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Transco Supply 26	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Transco Supply 27	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Transco Supply 28	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Transco Supply 29	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Transco Supply 30	\$ 415,788	\$ 388,600	\$ 415,400	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Transco Supply 31	\$ 416,175	\$ 349,325	\$ 416,175	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Tectco Supply 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Tectco Supply 2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Tectco Supply 3	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Tectco Supply 4	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Tectco Supply 5	\$ 515,220	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Tectco Supply 6	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Tectco Supply 7	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Tectco Supply 8	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Tectco Supply 9	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Tectco Supply 10	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Tectco Supply 11	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Tectco Supply 12	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Tectco Supply 13	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Tectco Supply 14	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Tectco Supply 15	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Tectco Supply 16	\$ 380,525	\$ 355,975	\$ 380,525	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Tectco Supply 17	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Tectco Supply 18	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Tectco Supply 19	\$ 416,950	\$ 340,050	\$ 416,950	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Tectco Supply 20	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Tectco Supply 21	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Tectco Supply 22	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Tectco Supply 23	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Tectco Supply 24	\$ 1,523,225	\$ 537,305	\$ 372,156	\$ 331,311	\$ 446,774	\$ 360,990	\$ 310,275	\$ 277,450	\$ 304,050	\$ 453,156
Tectco Supply 25	\$ 258,385	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Tectco Supply 26	\$ 812,675	\$ 715,177	\$ 177,442	\$ 242,550	\$ 316,350	\$ 395,370	\$ 425,570	\$ 143,200	\$ 81,040	\$ 61,590
Tectco Supply 27	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Tectco Supply 28	\$ 396,075	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Tectco Supply 29	\$ 334,413	\$ 312,837	\$ 334,413	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
FT PAYBACK ADJUSTMENT	\$ -	\$ -	\$ -	\$ -	\$ 220,417	\$ 220,417	\$ 220,417	\$ 220,417	\$ -	\$ -
Total Costs	\$ 18,963,314	\$ 19,243,371	\$ 17,862,846	\$ 11,693,407	\$ 10,030,225	\$ 8,107,453	\$ 8,299,295	\$ 8,330,610	\$ 9,222,575	\$ 13,219,888

Philadelphia Gas Works
Forecasted Summary of Total Fuel Purchased
January 2016-August 2017

Schedule 3
Ann 53.04(c)(1)

	11/1/2016: Nov	12/1/2016: Dec	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
Williams	\$ 2,476,346	\$ 2,560,952	\$ 2,591,480	\$ 2,570,301	\$ 2,462,708	\$ 2,478,031	\$ 2,427,864	\$ 2,413,533	\$ 2,411,174	\$ 2,410,754
Texas Eastern	\$ 2,285,051	\$ 2,357,911	\$ 2,367,141	\$ 2,371,966	\$ 2,335,304	\$ 2,104,115	\$ 2,065,522	\$ 2,057,953	\$ 2,044,359	\$ 2,043,937
Domination	\$ 120,951	\$ 127,980	\$ 130,750	\$ 128,021	\$ 124,272	\$ 129,233	\$ 128,255	\$ 127,995	\$ 128,255	\$ 128,255
Spot Purchases - Transco	\$ 3,749,947	\$ 6,676,479	\$ 7,486,024	\$ 6,938,484	\$ 5,319,088	\$ 2,492,706	\$ 341,007	\$ -	\$ -	\$ -
Spot Purchases - Tecto	\$ 5,219,883	\$ 7,245,068	\$ 7,516,927	\$ 6,823,583	\$ 6,988,834	\$ 4,129,115	\$ 3,186,426	\$ 2,266,169	\$ 2,569,024	\$ 2,780,744
Transco Supply 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Transco Supply 2	\$ 1,013,547	\$ 1,243,500	\$ 1,335,480	\$ 1,202,040	\$ 1,205,100	\$ 1,025,874	\$ 326,012	\$ 90,751	\$ 32,983	\$ 203,867
Transco Supply 3	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Transco Supply 4	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Transco Supply 5	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Transco Supply 6	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Transco Supply 7	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Transco Supply 8	\$ 969,999	\$ 1,203,294	\$ 1,335,480	\$ 1,202,040	\$ 1,227,000	\$ 1,180,800	\$ 1,120,788	\$ 769,187	\$ 684,648	\$ 175,407
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	\$ 1,155,209	\$ 1,281,757	\$ 1,335,480	\$ 1,202,040	\$ 1,196,475	\$ 1,099,492	\$ 266,098	\$ 4,500	\$ 174,650	\$ 516,922
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	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
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	\$ 326,359	\$ 356,965	\$ 421,700	\$ 336,280	\$ 539,439	\$ 586,959	\$ 541,402	\$ 458,220	\$ 388,850	\$ 390,950
Tecto Supply 25	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Tecto Supply 26	\$ 151,703	\$ -	\$ 23,920	\$ -	\$ 93,600	\$ 293,943	\$ 407,740	\$ 501,860	\$ 422,180	\$ 223,400
Tecto Supply 27	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Tecto Supply 28	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Tecto Supply 29	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
FT PAYBACK ADJUSTMENT	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 303,442	\$ 303,442	\$ 303,442	\$ 303,442
Total Costs	\$ 17,469,035	\$ 23,058,906	\$ 24,544,382	\$ 22,774,755	\$ 21,561,820	\$ 15,520,268	\$ 10,547,692	\$ 8,385,726	\$ 8,552,680	\$ 8,570,693

Philadelphia Gas Works
 Forecasted Summary of Total Fuel Purchased
 January 2016-August 2017

Schedule 3
 Item 53.64(c)(1)

TRANSCONTINENTAL

Cost of Natural Gas

<u>Suppliers</u>	1/1/2016: Jan	2/1/2016: Feb	3/1/2016: Mar	4/1/2016: Apr	5/1/2016: May	6/1/2016: Jun	7/1/2016: Jul	8/1/2016: Aug	9/1/2016: Sep	10/1/2016: Oct
TR Spot	\$ 1,278,056	\$ 2,602,001	\$ 1,901,149	\$ 508,347	\$ 406,419	\$ 51,213	\$ 54,101	\$ 54,473	\$ 52,653	\$ 1,426,451
Supplier 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplier 2	\$ 958,834	\$ 906,027	\$ 806,525	\$ 815,745	\$ 315,765	\$ 96,795	\$ 35,707	\$ 35,919	\$ 102,273	\$ 578,344
Supplier 3	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplier 4	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplier 5	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplier 6	\$ 752,525	\$ 689,837	\$ 737,413	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplier 7	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplier 8	\$ 1,741,075	\$ 1,557,046	\$ 1,357,608	\$ 757,294	\$ 1,073,400	\$ 835,153	\$ 936,347	\$ 379,880	\$ 296,504	\$ 825,369
Supplier 9	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplier 10	\$ 875,750	\$ 609,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplier 11	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplier 12	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplier 13	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplier 14	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplier 15	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplier 16	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplier 17	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplier 18	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplier 19	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplier 20	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplier 21	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplier 22	\$ 1,386,308	\$ 885,360	\$ 1,180,494	\$ 1,011,869	\$ 383,199	\$ 4,500	\$ 4,650	\$ 567,495	\$ 688,851	\$ 1,150,439
Supplier 23	\$ 641,700	\$ 578,550	\$ 618,450	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplier 24	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplier 25	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplier 26	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplier 27	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplier 28	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplier 29	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplier 30	\$ 415,788	\$ 388,600	\$ 415,400	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplier 31	\$ 416,175	\$ 389,325	\$ 416,175	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Suppliers	\$ 8,466,210	\$ 8,605,746	\$ 7,433,214	\$ 3,093,255	\$ 2,178,783	\$ 987,661	\$ 1,030,805	\$ 1,037,768	\$ 1,140,281	\$ 3,980,603

Transportation Costs

Tr Spot	\$ 136,275	\$ 123,810	\$ 103,684	\$ 40,126	\$ 27,419	\$ 11,559	\$ 11,797	\$ 11,797	\$ 13,072	\$ 48,646
Williams Total	\$ 136,275	\$ 123,810	\$ 103,684	\$ 40,126	\$ 27,419	\$ 11,559	\$ 11,797	\$ 11,797	\$ 13,072	\$ 48,646
Total Costs	\$ 8,602,486	\$ 8,729,556	\$ 7,536,898	\$ 3,133,381	\$ 2,206,202	\$ 999,220	\$ 1,042,601	\$ 1,049,565	\$ 1,153,353	\$ 4,029,249

March 2016

Philadelphia Gas Works
 Forecasted Summary of Total Fuel Purchased
 January 2016-August 2017

Schedule 3
 Item 53.64(c)(1)

TRANSCONTINENTAL

Cost of Natural Gas

<u>Suppliers</u>	11/1/2016: Nov	12/1/2016: Dec	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
TR Spot	\$ 3,749,987	\$ 6,676,479	\$ 7,486,024	\$ 6,938,484	\$ 5,389,088	\$ 2,492,706	\$ 381,007	\$ -	\$ -	\$ -
Supplier 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplier 2	\$ 1,013,547	\$ 1,243,500	\$ 1,335,480	\$ 1,202,040	\$ 1,205,100	\$ 1,025,874	\$ 326,012	\$ 90,751	\$ 32,983	\$ 203,867
Supplier 3	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplier 4	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplier 5	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplier 6	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplier 7	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplier 8	\$ 969,999	\$ 1,208,294	\$ 1,335,480	\$ 1,202,040	\$ 1,227,000	\$ 1,180,800	\$ 1,120,788	\$ 768,187	\$ 684,648	\$ 175,407
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	\$ 1,155,209	\$ 1,281,757	\$ 1,335,480	\$ 1,202,040	\$ 1,196,475	\$ 1,099,492	\$ 266,098	\$ 4,500	\$ 174,650	\$ 516,922
Supplier 23	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplier 24	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplier 25	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplier 26	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplier 27	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplier 28	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplier 29	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplier 30	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplier 31	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Suppliers	\$ 6,888,741	\$ 10,410,029	\$ 11,492,464	\$ 10,544,604	\$ 9,017,664	\$ 5,798,871	\$ 2,093,905	\$ 863,438	\$ 892,281	\$ 896,196
Transportation Costs										
Tr Spot	\$ 84,468	\$ 121,761	\$ 138,540	\$ 119,262	\$ 102,852	\$ 70,747	\$ 24,442	\$ 9,660	\$ 9,834	\$ 9,834
Williams Total	\$ 84,468	\$ 121,761	\$ 138,540	\$ 119,262	\$ 102,852	\$ 70,747	\$ 24,442	\$ 9,660	\$ 9,834	\$ 9,834
Total Costs	\$ 6,973,209	\$ 10,531,791	\$ 11,631,004	\$ 10,663,866	\$ 9,120,515	\$ 5,869,618	\$ 2,118,347	\$ 873,098	\$ 902,115	\$ 906,030

Philadelphia Gas Works
 Forecasted Summary of Total Fuel Purchased
 January 2016-August 2017

Schedule 3
 Item 53.64(c)(1)

TRANSCONTINENTAL

Volumes (Dth)

<u>Suppliers</u>	1/1/2016: Jan	2/1/2016: Feb	3/1/2016: Mar	4/1/2016: Apr	5/1/2016: May	6/1/2016: Jun	7/1/2016: Jul	8/1/2016: Aug	9/1/2016: Sep	10/1/2016: Oct
TR Spot	534,752	1,156,959	837,511	219,399	171,847	21,171	21,877	21,877	21,171	567,629
Supplier 1	-	-	-	-	-	-	-	-	-	-
Supplier 2	397,577	399,149	351,699	348,622	130,996	37,997	12,508	12,508	39,156	227,386
Supplier 3	-	-	-	-	-	-	-	-	-	-
Supplier 4	-	-	-	-	-	-	-	-	-	-
Supplier 5	-	-	-	-	-	-	-	-	-	-
Supplier 6	310,000	290,000	310,000	-	-	-	-	-	-	-
Supplier 7	-	-	-	-	-	-	-	-	-	-
Supplier 8	760,000	705,503	615,497	323,504	450,000	341,973	375,230	150,092	116,942	325,295
Supplier 9	-	-	-	-	-	-	-	-	-	-
Supplier 10	310,000	290,000	-	-	-	-	-	-	-	-
Supplier 11	-	-	-	-	-	-	-	-	-	-
Supplier 12	-	-	-	-	-	-	-	-	-	-
Supplier 13	-	-	-	-	-	-	-	-	-	-
Supplier 14	-	-	-	-	-	-	-	-	-	-
Supplier 15	-	-	-	-	-	-	-	-	-	-
Supplier 16	-	-	-	-	-	-	-	-	-	-
Supplier 17	-	-	-	-	-	-	-	-	-	-
Supplier 18	-	-	-	-	-	-	-	-	-	-
Supplier 19	-	-	-	-	-	-	-	-	-	-
Supplier 20	-	-	-	-	-	-	-	-	-	-
Supplier 21	-	-	-	-	-	-	-	-	-	-
Supplier 22	595,389	390,000	522,859	432,905	159,389	-	-	225,138	274,069	454,138
Supplier 23	310,000	290,000	310,000	-	-	-	-	-	-	-
Supplier 24	-	-	-	-	-	-	-	-	-	-
Supplier 25	-	-	-	-	-	-	-	-	-	-
Supplier 26	-	-	-	-	-	-	-	-	-	-
Supplier 27	-	-	-	-	-	-	-	-	-	-
Supplier 28	-	-	-	-	-	-	-	-	-	-
Supplier 29	-	-	-	-	-	-	-	-	-	-
Supplier 30	155,000	145,000	155,000	-	-	-	-	-	-	-
Supplier 31	155,000	145,000	155,000	-	-	-	-	-	-	-
Total Volumes	3,527,717	3,811,611	3,257,567	1,324,430	912,232	401,141	409,615	409,615	451,338	1,574,447

Philadelphia Gas Works
 Forecasted Summary of Total Fuel Purchased
 January 2016-August 2017

Schedule 3
 Item 53.64(c)(1)

TRANSCONTINENTAL

Volumes (Dth)

<u>Suppliers</u>	11/1/2016: Nov	12/1/2016: Dec	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
TR Spot	1,448,431	2,434,006	2,624,833	2,441,409	1,924,674	957,260	146,204	-	-	-
Supplier 1	-	-	-	-	-	-	-	-	-	-
Supplier 2	388,244	450,000	465,000	420,000	427,206	390,732	122,845	32,523	10,525	73,675
Supplier 3	-	-	-	-	-	-	-	-	-	-
Supplier 4	-	-	-	-	-	-	-	-	-	-
Supplier 5	-	-	-	-	-	-	-	-	-	-
Supplier 6	-	-	-	-	-	-	-	-	-	-
Supplier 7	-	-	-	-	-	-	-	-	-	-
Supplier 8	371,488	437,212	465,000	420,000	435,000	450,000	426,658	287,967	252,600	63,150
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	442,751	463,896	465,000	420,000	424,137	418,895	99,942	-	63,150	189,450
Supplier 23	-	-	-	-	-	-	-	-	-	-
Supplier 24	-	-	-	-	-	-	-	-	-	-
Supplier 25	-	-	-	-	-	-	-	-	-	-
Supplier 26	-	-	-	-	-	-	-	-	-	-
Supplier 27	-	-	-	-	-	-	-	-	-	-
Supplier 28	-	-	-	-	-	-	-	-	-	-
Supplier 29	-	-	-	-	-	-	-	-	-	-
Supplier 30	-	-	-	-	-	-	-	-	-	-
Supplier 31	-	-	-	-	-	-	-	-	-	-
Total Volumes	2,650,914	3,785,114	4,019,833	3,701,409	3,211,018	2,216,887	795,649	320,490	326,274	326,274

Philadelphia Gas Works
Forecasted Summary of Total Fuel Purchased
January 2016-August 2017

Schedule 3
Item 53.64(c)(1)

TRANSCONTINENTAL

	1/1/2016: Jan	2/1/2016: Feb	3/1/2016: Mar	4/1/2016: Apr	5/1/2016: May	6/1/2016: Jun	7/1/2016: Jul	8/1/2016: Aug	9/1/2016: Sep	10/1/2016: Oct
WSS										
Injection	\$ -	\$ -	\$ -	\$ 248	\$ 316	\$ 306	\$ 316	\$ 316	\$ 306	\$ 306
Withdrawal	\$ 1,378	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Demand Charges	\$ 46,828	\$ 46,828	\$ 46,828	\$ 46,828	\$ 46,828	\$ 46,828	\$ 46,828	\$ 46,828	\$ 46,828	\$ 46,828
Total Charges	\$ 48,206	\$ 46,828	\$ 46,828	\$ 47,076	\$ 47,144	\$ 47,134	\$ 47,144	\$ 47,144	\$ 47,134	\$ 47,134
S2										
Injection	\$ -	\$ -	\$ -	\$ 863	\$ 737	\$ 713	\$ 737	\$ 737	\$ 713	\$ 713
Withdrawal	\$ 3,837	\$ 996	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Demand Charges	\$ 27,633	\$ 27,633	\$ 27,633	\$ 27,633	\$ 27,633	\$ 27,633	\$ 27,633	\$ 27,633	\$ 27,633	\$ 27,633
Total Charges	\$ 31,471	\$ 28,630	\$ 27,633	\$ 28,496	\$ 28,370	\$ 28,346	\$ 28,370	\$ 28,370	\$ 28,346	\$ 28,346
GSS										
Injection	\$ 1,510	\$ -	\$ -	\$ 16,780	\$ 20,909	\$ 16,407	\$ 16,954	\$ 16,954	\$ 16,407	\$ 16,407
Withdrawal	\$ 35,262	\$ 34,088	\$ 11,367	\$ 19,655	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Demand Charges	\$ 255,277	\$ 255,277	\$ 255,277	\$ 255,277	\$ 255,277	\$ 255,277	\$ 255,277	\$ 255,277	\$ 255,277	\$ 255,277
Total Charges	\$ 292,049	\$ 289,365	\$ 266,644	\$ 291,712	\$ 276,185	\$ 271,683	\$ 272,230	\$ 272,230	\$ 271,683	\$ 271,683
EMINENCE										
Injection	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Withdrawal	\$ 26,976	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Demand Charges	\$ 116,467	\$ 116,467	\$ 116,467	\$ 49,376	\$ 49,376	\$ 49,376	\$ 49,376	\$ 49,376	\$ 49,376	\$ 49,376
Total Charges	\$ 143,443	\$ 116,467	\$ 116,467	\$ 49,376	\$ 49,376	\$ 49,376	\$ 49,376	\$ 49,376	\$ 49,376	\$ 49,376
Total Injection Charges	\$ 1,510	\$ -	\$ -	\$ 17,891	\$ 21,961	\$ 17,426	\$ 18,006	\$ 18,006	\$ 17,426	\$ 17,426
Total Withdrawal Charges	\$ 67,453	\$ 35,084	\$ 11,367	\$ 19,655	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Demand Charges	\$ 446,205	\$ 446,205	\$ 446,205	\$ 379,114	\$ 379,114	\$ 379,114	\$ 379,114	\$ 379,114	\$ 379,114	\$ 379,114
Total Storage	\$ 515,168	\$ 481,290	\$ 457,572	\$ 416,660	\$ 401,075	\$ 396,540	\$ 397,120	\$ 397,120	\$ 396,540	\$ 396,540

Forecasted Summary of Firm Transportation

Demand Charges	\$ 2,205,625	\$ 2,205,037	\$ 2,145,059	\$ 2,144,458	\$ 2,143,912	\$ 2,143,311	\$ 2,142,765	\$ 2,142,163	\$ 2,141,716	\$ 2,141,296
Capacity Release Credit	\$ (119,629)	\$ (111,911)	\$ (119,629)	\$ (83,610)	\$ (86,397)	\$ (83,610)	\$ (86,397)	\$ (86,397)	\$ (91,200)	\$ (94,240)
Net Demand Charge	\$ 2,085,996	\$ 2,093,126	\$ 2,025,430	\$ 2,060,848	\$ 2,057,515	\$ 2,059,701	\$ 2,056,368	\$ 2,055,766	\$ 2,050,516	\$ 2,047,056

Philadelphia Gas Works
 Forecasted Summary of Total Fuel Purchased
 January 2016-August 2017

Schedule 3
 Item 53.64(c)(1)

TRANSCONTINENTAL

	11/1/2016: Nov	12/1/2016: Dec	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
WSS										
Injection	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Withdrawal	\$ -	\$ -	\$ 4,397	\$ -	\$ -	\$ 440	\$ -	\$ -	\$ -	\$ -
Demand Charges	\$ 46,828	\$ 46,828	\$ 46,828	\$ 46,828	\$ 46,828	\$ 46,828	\$ 46,828	\$ 46,828	\$ 46,828	\$ 46,828
Total Charges	\$ 46,828	\$ 46,828	\$ 51,225	\$ 46,828	\$ 46,828	\$ 47,268	\$ 46,828	\$ 46,828	\$ 46,828	\$ 46,828
S2										
Injection	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Withdrawal	\$ -	\$ 1,341	\$ 2,024	\$ 1,494	\$ 498	\$ -	\$ -	\$ -	\$ -	\$ -
Demand Charges	\$ 27,633	\$ 27,633	\$ 27,633	\$ 27,633	\$ 27,633	\$ 27,633	\$ 27,633	\$ 27,633	\$ 27,633	\$ 27,633
Total Charges	\$ 27,633	\$ 28,974	\$ 29,658	\$ 29,128	\$ 28,132	\$ 27,633	\$ 27,633	\$ 27,633	\$ 27,633	\$ 27,633
GSS										
Injection	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 16,780	\$ 16,414	\$ 14,649	\$ 15,137	\$ 15,137
Withdrawal	\$ -	\$ 27,838	\$ 36,926	\$ 28,795	\$ 10,037	\$ -	\$ -	\$ -	\$ -	\$ -
Demand Charges	\$ 255,277	\$ 255,277	\$ 255,277	\$ 255,277	\$ 255,277	\$ 255,277	\$ 255,277	\$ 255,277	\$ 255,277	\$ 255,277
Total Charges	\$ 255,277	\$ 283,115	\$ 292,202	\$ 284,072	\$ 265,314	\$ 272,057	\$ 271,691	\$ 269,926	\$ 270,414	\$ 270,414
EMINENCE										
Injection	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Withdrawal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Demand Charges	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Charges	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Injection Charges	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 16,780	\$ 16,414	\$ 14,649	\$ 15,137	\$ 15,137
Total Withdrawal Charges	\$ -	\$ 29,179	\$ 43,347	\$ 30,290	\$ 10,536	\$ 440	\$ -	\$ -	\$ -	\$ -
Total Demand Charges	\$ 329,738	\$ 329,738	\$ 329,738	\$ 329,738	\$ 329,738	\$ 329,738	\$ 329,738	\$ 329,738	\$ 329,738	\$ 329,738
Total Storage	\$ 329,738	\$ 358,917	\$ 373,085	\$ 360,028	\$ 340,273	\$ 346,958	\$ 346,152	\$ 344,387	\$ 344,875	\$ 344,875

Forecasted Summary of Firm Transportation

Demand Charges	\$ 2,140,890	\$ 2,199,903	\$ 2,199,484	\$ 2,199,064	\$ 2,139,212	\$ 2,138,806	\$ 2,138,386	\$ 2,137,967	\$ 2,137,561	\$ 2,137,141
Capacity Release Credit	\$ (78,750)	\$ (119,629)	\$ (119,629)	\$ (108,052)	\$ (119,629)	\$ (78,480)	\$ (81,096)	\$ (78,480)	\$ (81,096)	\$ (81,096)
Net Demand Charge	\$ 2,062,140	\$ 2,080,274	\$ 2,079,855	\$ 2,091,012	\$ 2,019,583	\$ 2,060,326	\$ 2,057,290	\$ 2,059,487	\$ 2,056,465	\$ 2,056,045

<u>Suppliers</u>	<u>1/1/2016: Jan</u>	<u>2/1/2016: Feb</u>	<u>3/1/2016: Mar</u>	<u>4/1/2016: Apr</u>	<u>5/1/2016: May</u>	<u>6/1/2016: Jun</u>	<u>7/1/2016: Jul</u>	<u>8/1/2016: Aug</u>	<u>9/1/2016: Sep</u>	<u>10/1/2016: Oct</u>
TE Spot	\$ 780,702	\$ 3,115,095	\$ 3,692,930	\$ 3,290,794	\$ 2,643,516	\$ 1,946,874	\$ 2,132,902	\$ 2,473,697	\$ 3,107,005	\$ 4,094,575
Supplier 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplier 2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplier 3	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplier 4	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplier 5	\$ 515,220	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplier 6	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplier 7	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplier 8	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplier 9	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplier 10	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplier 11	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplier 12	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplier 13	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplier 14	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplier 15	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplier 16	\$ 380,525	\$ 355,975	\$ 380,525	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplier 17	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplier 18	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplier 19	\$ 416,950	\$ 390,050	\$ 416,950	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplier 20	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplier 21	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplier 22	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplier 23	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplier 24	\$ 1,523,225	\$ 537,305	\$ 372,156	\$ 331,311	\$ 446,778	\$ 360,990	\$ 310,275	\$ 277,450	\$ 304,050	\$ 453,156
Supplier 25	\$ 258,385	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplier 26	\$ 812,675	\$ 715,177	\$ 177,442	\$ 242,550	\$ 316,350	\$ 395,370	\$ 425,520	\$ 143,200	\$ 81,080	\$ 61,590
Supplier 27	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplier 28	\$ 196,075	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplier 29	\$ 334,413	\$ 312,837	\$ 334,413	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sub Total	\$ 5,218,170	\$ 5,426,439	\$ 5,374,416	\$ 3,864,655	\$ 3,406,645	\$ 2,703,234	\$ 2,868,697	\$ 2,894,347	\$ 3,492,135	\$ 4,609,321

Transportation Costs

TE Spot	\$ 180,514	\$ 168,805	\$ 167,538	\$ 119,566	\$ 102,388	\$ 78,730	\$ 81,005	\$ 80,953	\$ 86,235	\$ 112,335
Total TE	\$ 180,514	\$ 168,805	\$ 167,538	\$ 119,566	\$ 102,388	\$ 78,730	\$ 81,005	\$ 80,953	\$ 86,235	\$ 112,335
Total Costs	\$ 5,398,683	\$ 5,595,245	\$ 5,541,954	\$ 3,984,221	\$ 3,509,032	\$ 2,781,964	\$ 2,949,702	\$ 2,975,300	\$ 3,578,370	\$ 4,721,656

Texas Eastern
Cost of Natural Gas

Philadelphia Gas Works
Forecasted Summary of Total Fuel Purchased
January 2016-August 2017

Schedule 3
Item 53.64(c)(1)

<u>Suppliers</u>	<u>11/1/2016: Nov</u>	<u>12/1/2016: Dec</u>	<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>
TE Spot	\$ 5,219,883	\$ 7,245,068	\$ 7,516,927	\$ 6,823,583	\$ 6,988,834	\$ 4,129,115	\$ 3,186,426	\$ 2,266,169	\$ 2,569,024	\$ 2,780,744
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	\$ 326,359	\$ 356,965	\$ 421,700	\$ 336,280	\$ 539,439	\$ 586,959	\$ 541,402	\$ 458,220	\$ 388,850	\$ 390,950
Supplier 25	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplier 26	\$ 151,703	\$ -	\$ 23,920	\$ -	\$ 93,600	\$ 293,943	\$ 407,740	\$ 501,860	\$ 422,180	\$ 223,400
Supplier 27	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplier 28	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Supplier 29	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sub Total	\$ 5,697,945	\$ 7,602,033	\$ 7,962,547	\$ 7,159,863	\$ 7,621,873	\$ 5,010,018	\$ 4,135,568	\$ 3,226,249	\$ 3,380,054	\$ 3,395,094

Transportation Cost:

TE Spot	\$ 133,799	\$ 165,399	\$ 165,352	\$ 149,307	\$ 161,796	\$ 116,905	\$ 96,447	\$ 74,034	\$ 76,168	\$ 76,096
Total TE	\$ 133,799	\$ 165,399	\$ 165,352	\$ 149,307	\$ 161,796	\$ 116,905	\$ 96,447	\$ 74,034	\$ 76,168	\$ 76,096
Total Costs	\$ 5,831,744	\$ 7,767,432	\$ 8,127,899	\$ 7,309,169	\$ 7,783,670	\$ 5,126,923	\$ 4,232,015	\$ 3,300,283	\$ 3,456,223	\$ 3,471,190

Philadelphia Gas Works
 Forecasted Summary of Total Fuel Purchased
 January 2016-August 2017

Schedule 3
 item 53.64(c)(1)

Texas Eastern
 Volumes

Suppliers

	<u>1/1/2016: Jan</u>	<u>2/1/2016: Feb</u>	<u>3/1/2016: Mar</u>	<u>4/1/2016: Apr</u>	<u>5/1/2016: May</u>	<u>6/1/2016: Jun</u>	<u>7/1/2016: Jul</u>	<u>8/1/2016: Aug</u>	<u>9/1/2016: Sep</u>	<u>10/1/2016: Oct</u>
TE Spot	614,726	2,011,036	2,352,185	2,035,123	1,587,697	1,132,562	1,202,990	1,381,954	1,532,810	1,994,435
Supplier 1	-	-	-	-	-	-	-	-	-	-
Supplier 2	-	-	-	-	-	-	-	-	-	-
Supplier 3	-	-	-	-	-	-	-	-	-	-
Supplier 4	-	-	-	-	-	-	-	-	-	-
Supplier 5	310,000	-	-	-	-	-	-	-	-	-
Supplier 6	-	-	-	-	-	-	-	-	-	-
Supplier 7	-	-	-	-	-	-	-	-	-	-
Supplier 8	-	-	-	-	-	-	-	-	-	-
Supplier 9	-	-	-	-	-	-	-	-	-	-
Supplier 10	-	-	-	-	-	-	-	-	-	-
Supplier 11	-	-	-	-	-	-	-	-	-	-
Supplier 12	-	-	-	-	-	-	-	-	-	-
Supplier 13	-	-	-	-	-	-	-	-	-	-
Supplier 14	-	-	-	-	-	-	-	-	-	-
Supplier 15	-	-	-	-	-	-	-	-	-	-
Supplier 16	155,000	145,000	155,000	-	-	-	-	-	-	-
Supplier 17	-	-	-	-	-	-	-	-	-	-
Supplier 18	-	-	-	-	-	-	-	-	-	-
Supplier 19	155,000	145,000	155,000	-	-	-	-	-	-	-
Supplier 20	-	-	-	-	-	-	-	-	-	-
Supplier 21	-	-	-	-	-	-	-	-	-	-
Supplier 22	-	-	-	-	-	-	-	-	-	-
Supplier 23	-	-	-	-	-	-	-	-	-	-
Supplier 24	1,200,000	345,000	235,067	204,893	268,335	210,000	175,000	155,000	150,000	220,729
Supplier 25	155,000	-	-	-	-	-	-	-	-	-
Supplier 26	455,000	346,002	113,020	150,000	190,000	230,000	240,000	80,000	40,000	30,000
Supplier 27	-	-	-	-	-	-	-	-	-	-
Supplier 28	155,000	-	-	-	-	-	-	-	-	-
Supplier 29	155,000	145,000	155,000	-	-	-	-	-	-	-
Total	3,354,726	3,137,038	3,165,273	2,390,016	2,046,033	1,572,562	1,617,990	1,616,954	1,722,810	2,245,164

Philadelphia Gas Works
 Forecasted Summary of Total Fuel Purchased
 January 2016-August 2017

Schedule 3
 item 53.64(c)(1)

Texas Eastern
 Volumes

Suppliers

	<u>11/1/2016: Nov</u>	<u>12/1/2016: Dec</u>	<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>
TE Spot	2,451,801	3,173,486	3,142,528	2,864,644	2,986,681	1,925,893	1,484,821	1,038,574	1,156,177	1,244,738
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	151,883	155,000	175,000	140,000	229,205	273,768	252,284	210,000	175,000	175,000
Supplier 25	-	-	-	-	-	-	-	-	-	-
Supplier 26	71,255	-	10,000	-	40,000	137,100	190,000	230,000	190,000	100,000
Supplier 27	-	-	-	-	-	-	-	-	-	-
Supplier 28	-	-	-	-	-	-	-	-	-	-
Supplier 29	-	-	-	-	-	-	-	-	-	-
Total	2,674,939	3,328,486	3,327,528	3,004,644	3,255,886	2,336,762	1,927,105	1,478,574	1,521,177	1,519,738

Philadelphia Gas Works
 Forecasted Summary of Total Fuel Purchased
 January 2016-August 2017

Schedule 3
 Item 53.64(c)(1)

Texas Eastern
 Storages

	<u>1/1/2016: Jan</u>	<u>2/1/2016: Feb</u>	<u>3/1/2016: Mar</u>	<u>4/1/2016: Apr</u>	<u>5/1/2016: May</u>	<u>6/1/2016: Jun</u>	<u>7/1/2016: Jul</u>	<u>8/1/2016: Aug</u>	<u>9/1/2016: Sep</u>	<u>10/1/2016: Oct</u>
SS1A										
Injections	\$ -	\$ -	\$ -	\$ 4,432	\$ 5,739	\$ 4,830	\$ 4,991	\$ 4,991	\$ 4,830	\$ 4,830
Withdrawal	\$ 32,255	\$ 15,297	\$ 2,300	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capacity	\$ 28,522	\$ 28,522	\$ 28,522	\$ 28,522	\$ 28,522	\$ 28,522	\$ 28,522	\$ 28,522	\$ 28,522	\$ 28,522
Demand	\$ 211,019	\$ 211,019	\$ 211,019	\$ 211,019	\$ 211,019	\$ 211,019	\$ 211,019	\$ 211,019	\$ 211,019	\$ 211,019
Total Charges	\$ 271,797	\$ 254,839	\$ 241,842	\$ 243,973	\$ 245,280	\$ 244,371	\$ 244,532	\$ 244,532	\$ 244,371	\$ 244,371
SS1B										
Injections	\$ 414	\$ -	\$ -	\$ 3,792	\$ 3,979	\$ 3,360	\$ 3,472	\$ 3,472	\$ 3,360	\$ 3,360
Withdrawal	\$ 21,903	\$ 10,200	\$ 2,314	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capacity	\$ 26,529	\$ 26,529	\$ 26,529	\$ 26,529	\$ 26,529	\$ 26,529	\$ 26,529	\$ 26,529	\$ 26,529	\$ 26,529
Demand	\$ 99,696	\$ 99,696	\$ 99,696	\$ 99,696	\$ 99,696	\$ 99,696	\$ 99,696	\$ 99,696	\$ 99,696	\$ 99,696
Total Charges	\$ 148,543	\$ 136,426	\$ 128,540	\$ 130,017	\$ 130,205	\$ 129,586	\$ 129,698	\$ 129,698	\$ 129,586	\$ 129,586
GSSTE										
Injections	\$ -	\$ -	\$ -	\$ 8,556	\$ 9,346	\$ 8,646	\$ 8,934	\$ 8,934	\$ 8,646	\$ 8,646
Injections/Retention Fuel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Withdrawal	\$ 12,304	\$ 7,271	\$ 3,489	\$ 6,676	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capacity	\$ 56,825	\$ 56,825	\$ 56,825	\$ 56,825	\$ 56,825	\$ 56,825	\$ 56,825	\$ 56,825	\$ 56,825	\$ 56,825
Demand	\$ 63,389	\$ 63,389	\$ 63,389	\$ 63,389	\$ 63,389	\$ 63,389	\$ 63,389	\$ 63,389	\$ 63,389	\$ 63,389
Total Charges	\$ 132,518	\$ 127,485	\$ 123,703	\$ 135,447	\$ 129,560	\$ 128,860	\$ 129,148	\$ 129,148	\$ 128,860	\$ 128,860
Total Injection Charges	\$ 414	\$ -	\$ -	\$ 16,780	\$ 19,064	\$ 16,836	\$ 17,397	\$ 17,397	\$ 16,836	\$ 16,836
Total Injections/Retention Fuel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Withdrawal Charges	\$ 66,463	\$ 32,769	\$ 8,104	\$ 6,676	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Capacity Charges	\$ 111,877	\$ 111,877	\$ 111,877	\$ 111,877	\$ 111,877	\$ 111,877	\$ 111,877	\$ 111,877	\$ 111,877	\$ 111,877
Total Demand Charges	\$ 374,104	\$ 374,104	\$ 374,104	\$ 374,104	\$ 374,104	\$ 374,104	\$ 374,104	\$ 374,104	\$ 374,104	\$ 374,104
\$ 552,858	\$ 518,750	\$ 494,085	\$ 509,437	\$ 505,045	\$ 502,817	\$ 503,378	\$ 503,378	\$ 502,817	\$ 502,817	\$ 502,817

Forecasted Summary of Firm Transportation

Texas Eastern Demand	\$ 2,085,758	\$ 2,085,128	\$ 2,084,542	\$ 2,083,897	\$ 2,083,312	\$ 2,082,667	\$ 2,082,082	\$ 2,081,437	\$ 2,080,957	\$ 2,080,507
Capacity Release Credits	\$ (277,635)	\$ (259,723)	\$ (277,635)	\$ (495,038)	\$ (511,539)	\$ (495,038)	\$ (511,539)	\$ (511,539)	\$ (539,977)	\$ (557,976)
Net Total	\$ 1,808,123	\$ 1,825,405	\$ 1,806,907	\$ 1,588,859	\$ 1,571,773	\$ 1,587,629	\$ 1,570,542	\$ 1,569,897	\$ 1,540,980	\$ 1,522,530
Total Demand Charges	\$ 1,808,123	\$ 1,825,405	\$ 1,806,907	\$ 1,588,859	\$ 1,571,773	\$ 1,587,629	\$ 1,570,542	\$ 1,569,897	\$ 1,540,980	\$ 1,522,530

Philadelphia Gas Works
 Forecasted Summary of Total Fuel Purchased
 January 2016-August 2017

Schedule 3
 Item 53.64(c)(1)

Texas Eastern
 Storages

	<u>11/1/2016: Nov</u>	<u>12/1/2016: Dec</u>	<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>
SS1A										
Injections	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,793	\$ 1,736	\$ 1,680	\$ 1,736	\$ 1,736
Withdrawal	\$ 5,712	\$ 10,053	\$ 14,112	\$ 15,567	\$ 2,053	\$ -	\$ -	\$ -	\$ -	\$ -
Capacity	\$ 28,522	\$ 28,522	\$ 28,522	\$ 28,522	\$ 28,522	\$ 28,522	\$ 28,522	\$ 28,522	\$ 28,522	\$ 28,522
Demand	\$ 211,019	\$ 211,019	\$ 211,019	\$ 211,019	\$ 211,019	\$ 211,019	\$ 211,019	\$ 211,019	\$ 211,019	\$ 211,019
Total Charges	\$ 245,254	\$ 249,595	\$ 253,653	\$ 255,109	\$ 241,595	\$ 242,335	\$ 241,277	\$ 241,221	\$ 241,277	\$ 241,277
SS1B										
Injections	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,918	\$ 4,340	\$ 4,200	\$ 4,340	\$ 4,340
Withdrawal	\$ 5,314	\$ 14,705	\$ 20,374	\$ 13,370	\$ 5,051	\$ 1,560	\$ -	\$ -	\$ -	\$ -
Capacity	\$ 26,529	\$ 26,529	\$ 26,529	\$ 26,529	\$ 26,529	\$ 26,529	\$ 26,529	\$ 26,529	\$ 26,529	\$ 26,529
Demand	\$ 99,696	\$ 99,696	\$ 99,696	\$ 99,696	\$ 99,696	\$ 99,696	\$ 99,696	\$ 99,696	\$ 99,696	\$ 99,696
Total Charges	\$ 131,540	\$ 140,931	\$ 146,600	\$ 139,596	\$ 131,276	\$ 131,703	\$ 130,566	\$ 130,426	\$ 130,566	\$ 130,566
GSSTE										
Injections	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,128	\$ 8,041	\$ 7,781	\$ 8,041	\$ 8,041
Injections/Retention Fuel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Withdrawal	\$ 738	\$ 7,766	\$ 10,536	\$ 7,807	\$ 4,058	\$ 891	\$ -	\$ -	\$ -	\$ -
Capacity	\$ 56,825	\$ 56,825	\$ 56,825	\$ 56,825	\$ 56,825	\$ 56,825	\$ 56,825	\$ 56,825	\$ 56,825	\$ 56,825
Demand	\$ 63,389	\$ 63,389	\$ 63,389	\$ 63,389	\$ 63,389	\$ 63,389	\$ 63,389	\$ 63,389	\$ 63,389	\$ 63,389
Total Charges	\$ 120,951	\$ 127,980	\$ 130,750	\$ 128,021	\$ 124,272	\$ 129,233	\$ 128,255	\$ 127,995	\$ 128,255	\$ 128,255
Total Injection Charges	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14,839	\$ 14,117	\$ 13,661	\$ 14,117	\$ 14,117
Total Injections/Retention Fuel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Withdrawal Charges	\$ 11,764	\$ 32,525	\$ 45,022	\$ 36,745	\$ 11,162	\$ 2,451	\$ -	\$ -	\$ -	\$ -
Total Capacity Charges	\$ 111,877	\$ 111,877	\$ 111,877	\$ 111,877	\$ 111,877	\$ 111,877	\$ 111,877	\$ 111,877	\$ 111,877	\$ 111,877
Total Demand Charges	\$ 374,104	\$ 374,104	\$ 374,104	\$ 374,104	\$ 374,104	\$ 374,104	\$ 374,104	\$ 374,104	\$ 374,104	\$ 374,104
\$	497,745	\$ 518,506	\$ 531,003	\$ 522,726	\$ 497,143	\$ 503,271	\$ 500,098	\$ 499,642	\$ 500,098	\$ 500,098

Forecasted Summary of Firm Transportation

Texas Eastern Demand	\$ 2,080,071	\$ 2,079,621	\$ 2,079,171	\$ 2,078,721	\$ 2,078,271	\$ 2,077,836	\$ 2,077,386	\$ 2,076,936	\$ 2,076,501	\$ 2,076,051
Capacity Release Credits	\$ (305,613)	\$ (277,635)	\$ (277,635)	\$ (250,767)	\$ (277,635)	\$ (464,664)	\$ (480,153)	\$ (464,664)	\$ (480,153)	\$ (480,153)
Net Total	\$ 1,774,458	\$ 1,801,986	\$ 1,801,536	\$ 1,827,954	\$ 1,800,636	\$ 1,613,172	\$ 1,597,233	\$ 1,612,271	\$ 1,596,347	\$ 1,595,897
Total Demand Charges	\$ 1,774,458	\$ 1,801,986	\$ 1,801,536	\$ 1,827,954	\$ 1,800,636	\$ 1,613,172	\$ 1,597,233	\$ 1,612,271	\$ 1,596,347	\$ 1,595,897

CAPACITY RELEASE (Dth)

	TRANSCO		TETCO		TETCO		<u>TOTAL DOLLARS</u>		<u>TOTAL VOLUMES</u>	
	Contract 3691		Contract 800232		Contract 800515-514		TRANSCO	TETCO	TRANSCO	TETCO
	<u>VOLUMES</u>	<u>DOLLARS</u>	<u>VOLUMES</u>	<u>DOLLARS</u>	<u>VOLUMES</u>	<u>DOLLARS</u>				
Sep-15	-	\$ -	-	\$ -	-	\$ -	\$ -	\$ -	-	-
Oct-15	-	\$ -	-	\$ -	-	\$ -	\$ -	\$ -	-	-
Nov-15	-	\$ -	-	\$ -	-	\$ -	\$ -	\$ -	-	-
Dec-15	-	\$ -	-	\$ -	-	\$ -	\$ -	\$ -	-	-
Jan-16	310,000	\$ 119,629	719,448	\$ 277,635	-	\$ -	\$ 119,629	\$ 277,635	310,000	719,448
Feb-16	290,000	\$ 111,911	673,032	\$ 259,723	-	\$ -	\$ 111,911	\$ 259,723	290,000	673,032
Mar-16	310,000	\$ 119,629	719,448	\$ 277,635	-	\$ -	\$ 119,629	\$ 277,635	310,000	719,448
Apr-16	300,000	\$ 83,610	696,240	\$ 194,042	1,080,000	\$ 300,996	\$ 83,610	\$ 495,038	300,000	1,776,240
May-16	310,000	\$ 86,397	719,448	\$ 200,510	1,116,000	\$ 311,029	\$ 86,397	\$ 511,539	310,000	1,835,448
Jun-16	300,000	\$ 83,610	696,240	\$ 194,042	1,080,000	\$ 300,996	\$ 83,610	\$ 495,038	300,000	1,776,240
Jul-16	310,000	\$ 86,397	719,448	\$ 200,510	1,116,000	\$ 311,029	\$ 86,397	\$ 511,539	310,000	1,835,448
Aug-16	310,000	\$ 86,396	719,448	\$ 200,510	1,116,000	\$ 311,029	\$ 86,396	\$ 511,539	310,000	1,835,448
TOTAL September 15 - August 16	2,440,000	\$ 777,579	5,662,752	\$ 1,804,608	5,508,000	\$ 1,535,080	\$ 777,579	\$ 3,339,687	2,440,000	11,170,752

Tab 5

BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION

DIRECT TESTIMONY OF

KENNETH S. DYBALSKI

ON BEHALF OF
PHILADELPHIA GAS WORKS

Docket No. **R-2016-2526700**

Philadelphia Gas Works
Proposed 2016 Annual GCR Adjustment

March 1, 2016

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

2 A. My name is Kenneth S. Dybalski. My position is Director - Gas Planning & Rates
3 at the Philadelphia Gas Works.

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

5 A. I assumed the position of Director - Gas Planning & Rates in 2006. Prior to this
6 position, I was the Manager of Gas Planning from 2001 to 2006.

7 **Q. WHAT ARE YOUR VARIOUS JOB RESPONSIBILITIES?**

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

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

18 A. I have received a BS and MBA from Temple University in Philadelphia,
19 Pennsylvania.

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

22 A. Yes. I submitted testimony for the PGW 1307(f) Annual GCR Filings in Docket
23 Nos. R-2015-2465656, R-2014-2404355, R-2013-2346376, R-2012-2286447, R-
24 2011-2224739, R-2010-20157062, R-2009-2088076, and R-2008-2021348. I have

1 also submitted testimony in PGW's most recent base rate proceeding (Docket No.
2 R-2009-2139884) and PGW's 2015 Distribution System Improvement Charge
3 Cap Waiver Proceeding (Docket No. R-2015-2501500) and its 2008
4 Extraordinary Rate Request (Docket No. R-2008-2073938).

5 **Q. HOW IS YOUR TESTIMONY STRUCTURED**

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

14 **Q. PLEASE DESCRIBE THE IMPACT OF THE PROPOSED CHANGE IN**
15 **PGW's GCR IN THIS PROCEEDING.**

16 A. PGW's GCR on September 1, 2015 was \$4.0724 / Mcf and this rate was
17 decreased in the Company's first quarterly GCR filing on December 1, 2015 to
18 \$3.6934 / Mcf. PGW's second quarter GCR filing, also submitted to the PUC
19 concurrently with this filing, decreases the GCR to \$3.4946 effective March 1,
20 2016. The proposed rate to be effective September 1, 2016 is \$3.7859.

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

3 A. Tab 2 of this filing contains the schedules supporting the filing requirements of
4 Section 53.64 (a) for the proposed GCR for the period September 1, 2016 through
5 August 31, 2017.

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

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

22 Schedule 3 identifies the Projected Applicable Fuel Expense. Specifically,
23 this schedule identifies PGW’s Net Natural Gas Expense and Total Applicable

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

10 Schedule 4(a) is the actual/estimated data for FY 16. Schedule 4(b) is the
11 C factor Reconciliation for FY 16. Schedule 4(c) is the E factor Reconciliation for
12 FY 16. Schedule 4(d) is the IRC Revenue Billed for FY 16. Schedule 4(e) is the
13 Reconciliation of Demand Charges for FY 16.

14 Schedule 5(a) ("Interest Rate Calculation") provides the interest rate for
15 the over/under recovery and is calculated on the over/under recovery in calendar
16 year 2015. Schedule 5(b) ("Interest Calculation") provides the calculation of the
17 interest expense or credit for the period of September 2015 through August 2016
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, 2015 through August 2015. 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

1 Commission and the interest on these refunds. Schedule 5(d) provides the
2 calculation of the interest for the demand and commodity charges.

3 Schedule 6 presents the migration rider and load balancing revenue for the
4 forecast period of September 2016 to August 2017.

5 Schedule 7 calculates total projected recovery with the proposed GCR.

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

9 Schedule 9(a) shows the calculation of the Universal Service & Energy
10 Conservation Surcharge to be effective September 1, 2016. Schedule 9(b) is the
11 reconciliation of the Universal Service & Energy Conservation Surcharge for
12 period of September 2015 to August 2016.

13 Schedule 10(a) shows the calculation of the Interruptible Revenue Credit
14 to be effective September 1, 2016. Schedule 10(b) is the forecasted Interruptible
15 Revenue Margin for Fiscal Year 2017. Schedule 10(c) is the reconciliation of the
16 Interruptible Revenue Credit for Fiscal Year 2015.

17 Schedule 11(a) shows the calculation of the Other Post Employment
18 Benefit (OPEB) Surcharge to be effective September 1, 2016. Schedule 11(b) is
19 the reconciliation of the OPEB Surcharge for Fiscal Year 2015.

20 Schedule 12 shows the reconciliation of the Efficiency Cost Recovery
21 Surcharge for the Fiscal Year 2016.

22 Schedule 13(a) is the calendar year 2015 reconciliation of the Supplier and
23 Storage Peaking Charge (SSPC) and Schedule 13(b) is the 2015 SSPC expense

1 and interest calculation. Schedule 13(c) is the 2014 SSPC expense and interest
2 calculation.

3 Schedule 14 sets the load balancing charge to be effective September 1,
4 2016.

5 Schedule 15 identifies the natural gas prices that were used in the
6 preparation of this filing.

7 Schedule 16 is the annual reconciliation of its retainage rate and lost and
8 unaccounted for rate.

9 Schedule 17(a) is the Restructuring and Consumer Education Surcharge
10 and Schedule 17(b) is the Restructuring and Consumer Education Expense.

11 **Q. WHAT IS THE TIME PERIOD FOR FORECASTING PGW'S FUTURE**
12 **GAS COSTS?**

13 A. *PGW's forecast period is a twenty (20) month period that commences on January*
14 *1, 2016 (two months before this filing) and eight months before the effective date*
15 *of the tariff on September 1, 2016. The 2016-17 GCR year is from September 1,*
16 *2016 to August 31, 2017, however, since the required forecast covers 20 months,*
17 *it must begin eight months earlier, consistent with Commission regulations.*

18 **Q. PLEASE PROVIDE A GENERAL DESCRIPTION OF PGW'S RATE**
19 **DESIGN AND GCR CALCULATION METHODOLOGY.**

20 A. The volumetric rates charged to PGW's customers are the distribution charge and
21 the Gas Cost Rate plus the Merchant Function Charge (MFC) and Gas
22 Procurement Charge (GPC). *The distribution charge consists of the Delivery*
23 *Charge; the Universal Service and Energy Conservation Surcharge; the Other Post*
24 *Retirement Benefit Surcharge; the Efficiency Cost Recovery Surcharge; and*

1 Restructuring and Consumer Education Surcharge. The Universal Service and
2 Energy Conservation Surcharge provides for the recovery of Customer
3 Responsibility Program (CRP) discounts; Senior Citizen Discounts; the costs of
4 the Enhanced Low Income Retrofit Program (ELIRP); and CRP arrearage
5 forgiveness. The Other Post Retirement Benefit Surcharge recovers the amount to
6 fund these obligations. The Efficiency Cost Recovery Surcharge recovers the cost
7 of the energy efficiency programs.

8 The second element of the rate is the Gas Cost Rate or GCR factor. This
9 charge is a mechanism used to flow through the costs of natural gas costs and
10 other raw materials in a timely and equitable manner. The specific elements of
11 PGW's GCR are set forth in PGW's Tariff, consistent with the provisions of 66
12 Pa. C.S. §1307(f) and (h).

13 Generally, the cost of gas purchased to serve the requirements of PGW's
14 customers constitutes the largest single item in the delivered price of gas. Also
15 included are the costs for pipeline transportation, storage capacity and related fuel
16 prices charged by the interstate pipeline suppliers. In addition, the interest
17 expense for the over or under recovery of gas costs and natural gas refunds are
18 also included in the GCR. No labor or profit component is added by PGW. The
19 GCR represents the direct pass-through of actual costs incurred.

20 Only costs related to meeting customer sendout requirements, including
21 associated plant fuel, may be included as a fuel expense for GCR purposes.
22 Purchases diverted into storage and/or LNG become an expense only when
23 withdrawn for customer delivery. Costs associated with purchases made to supply

1 interruptible customers are excluded from the Total Applicable GCR Expenses
2 used to calculate the GCR. Also, demand costs for pipeline transportation for the
3 firm transportation customers are excluded from the GCR.

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

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

16 **Q. WHAT IS THE BASIS FOR THE PRICES USED IN DETERMINING THE**
17 **GAS COSTS USED IN THIS FILING?**

18 *A. The pricing methodology utilized by the Company is consistent with that used in*
19 *the recent quarterly filings with the inclusion of the additional months in the 20-*
20 *month forecast. Specifically, the company utilized actual prices for January 2016*
21 *and the NYMEX Futures close data (as of January 13, 2016) for the 19 forecast*
22 *months of February 2016 through August 2017.*

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 A. The GCR forecasted for 2016-2017 is lower than the level PGW had forecasted
5 for the 2015-2016 GCR. The level of costs in the 2016-2017 period are being
6 influenced by the decrease in prices for natural gas compared to the prior year

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

9 A. The Company utilizes the temperatures recorded at the PGW Richmond Plant to
10 calculate the average temperature for a given day. The Company subtracts the
11 average temperature from 65 degrees to calculate the number of degree-days for
12 the day. The degree-days for all of the days in the year are aggregated to arrive at
13 the total number of degree-days for the year. Next, the Company calculates the
14 average heating degree-days for the past 30 years to arrive at the forecasted
15 heating degree-days in a normal year and in this filing PGW is using the 30 year
16 average of 4,237 degree days.

17 **Q. HOW HAS THE COMPANY CALCULATED THE NUMBER OF**
18 **CUSTOMERS IN EACH RATE CLASS?**

19 A. PGW determined the actual number of customer billings on December 31, 2015
20 using the PGW Gas Sales and Revenue Reports. Next, the Marketing Department
21 load forecast was used to factor in the addition and loss of customers. Finally, the
22 customer numbers were adjusted for the loss of customers due to non-payment
23 terminations.

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

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

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

22 Utilizing these domestic and heating factors, billed sales are then
23 forecasted using 4,237 degree days and the number of customers.

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

3 A. The level of unaccounted for gas and retainage rate used in this filing is 3.1 % and
4 is based on a 3-year average.

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

8 A. PGW has projected that the amount of off system sales, capacity release credits,
9 and asset management credits within the GCR period of 2016-17. This amount is
10 based on a 3-year average. Of that amount \$5,988,404 (75%) was credited to the
11 GCR.

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

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

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

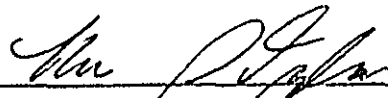
19 A. Yes.

VERIFICATION

I, Kenneth S. Dybalski, hereby state that I am the Director – Gas Planning Rates for Philadelphia Gas Works (“PGW”), I am authorized to make this verification on its behalf, and that the facts set forth in the attached testimony are true and correct to the best of my knowledge, information and belief. I understand that the statements herein are made subject to the penalties of 18 Pa.C .S. § 4904 (relating to unsworn falsification to authorities).

2/29/16

Dated _____



Kenneth S. Dybalski
Director – Gas Planning & Rates
Philadelphia Gas Works

Tab 6

BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION

DIRECT TESTIMONY OF

RAYMOND M. SNYDER

ON BEHALF OF
PHILADELPHIA GAS WORKS

Docket Number R-2016-2526700

Philadelphia Gas Works
Proposed 2016 Annual GCR Adjustment

March 1, 2016

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 1307(f) Annual GCR Filings in Docket Nos. R-
15 2013-2346376, R-2014-2404355 and R-2015-2465656.

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 2017 (September
19 1, 2016 through August 31, 2017) and FY 2016 (September 1, 2015 through
20 August 31, 2016);
- 21 • PGW's design day requirement;
- 22 • Capacity release, off-system sales and asset management fee sharing;
- 23 • Price analysis and buying advisory service; and
- 24 • The capacity collaborative.

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

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

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

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

16
17 **II. GAS PURCHASING POLICIES AND SUPPLY STRATEGY**

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

20 A. Yes.

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

22 A. PGW's supply strategy¹ (which is currently being used during the FY 2016 GCR period
23 and which the Company intends to use for the FY 2017 GCR period) is a portfolio

¹ 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 approach in both contract structure and pricing. The portfolio approach of purchasing gas
2 supply allows PGW to remove some of the volatility in purchasing natural gas supplies
3 for its ratepayers. Without the use of the portfolio approach, firm ratepayers would be
4 totally at the mercy of market volatility.

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

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

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

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

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

20 Spectra Energy and Williams Gas Pipeline represent the only interstate pipeline
21 facilities with physical connections to the PGW service territory. As a result, all of
22 PGW's supply contracts utilize these pipelines and the contracts also recognize pipeline
23 receipt and delivery rights. These contracts contain the ability to "lock up" the price for

1 upcoming months or to have the pricing default to an agreed upon market index if there is
2 no market advantage in fixing a price before the month begins. As a result, PGW not
3 *only ensures security of supply from the pipelines but also can take advantage of varying*
4 basis differentiated pricing in the market. This differentiated pricing results from the fact
5 that all shippers of natural gas receive their gas at varying locations along the pipeline.
6 PGW uses a city-gate delivered price in comparing the various alternatives available.
7 The city gate delivered price is computed considering the “into the pipe price of gas” plus
8 all incremental charges levied by the transporting pipeline to deliver the gas to the city
9 gate. These prices include, but are not limited to, reservation fees, fuel, transportation
10 charges and FERC Annual Charge Adjustment (“ACA”) charges.

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

19 Once operational requirements are met, these assets are then used in the overall
20 cost saving strategies. For example, once design winter sendout requirements are
21 ensured, the Company may utilize bundled storage and LNG as a substitute for higher
22 priced gas. PGW’s summer gas procurement policy uses a similar approach to address
23 system supply and storage refill. The Gas Supply department also uses forecasted prices

1 as a benchmark to purchase gas volumes for both system supply and storage refill below
2 the projected cost (when possible) on a proportional basis, while leaving a portion of its
3 needs to default to first of the month pricing.

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

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

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

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

15 PGW's Gas Planning Department also runs a supply status model during the
16 winter operating season which recognizes normal and design winter conditions and the
17 *latest actual balance of gas in all storage facilities. Gas Management utilizes the output*
18 *of this model to make recommendations or changes in its supply operating strategy to*
19 *ensure that peak day needs and design winter conditions can be met from that point*
20 *forward.*

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

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

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

3 A. Yes. The 2014-2015 gas costs and the gas costs incurred to date during the 2015-2016
4 period are the result of the least cost gas procurement strategy outlined in my testimony
5 and are therefore reasonable.

6
7 **III. DESIGN DAY REQUIREMENT**

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

9 A. Details of PGW's design day methodology and an account of the 2015/2016 winter
10 design day requirement can be found in the responses to items 53.64 (c)(13) and
11 53.64(c)(14) which were provided in PGW's February 1, 2016 GCR Filing.

12
13 **IV. CAPACITY RELEASE, OFF-SYSTEM SALES MARGIN AND ASSET**
14 **MANAGEMENT CREDITS/FEES**

15 **Q. HAS PGW BEEN RETAINING A PORTION OF NET PROCEEDS FROM**
16 **CAPACITY RELEASE CREDITS, OFF-SYSTEM SALES MARGIN AND ASSET**
17 **MANAGEMENT CREDITS/FEES?**

18 A. Yes. During the 2008-2009 GCR proceeding (Docket No. R-2008-2021348), the parties
19 agreed that PGW will retain 25% of all off-system sales margins and capacity release
20 credits with the remaining 75% applied as an offset to purchased gas costs for the
21 retention period of September 1, 2008 to August 31, 2011. Likewise, the parties agreed
22 that PGW will retain 25% of all off-system sales margins, capacity release credits and
23 asset management margins/credits/fees² with the remaining 75% applied as an offset to
24 *purchased gas costs for the following GCR proceedings and retention periods:*

² 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.

GCR Proceeding	Docket No.	Retention Period
2011-2012	R-2011-2224739	9/1/11 to 8/31/12
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

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

5 **Q. DOES PGW HAVE A RETENTION PROPOSAL FOR THE PGC PERIODS**
6 **BEGINNING ON SEPTEMBER 1, 2016?**

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

10 **Q. DO OTHER PENNSYLVANIA NATURAL GAS DISTRIBUTION COMPANIES**
11 **(“NGDCS”) HAVE SHARING MECHANISMS FOR CAPACITY RELEASE AND**
12 **OFF SYSTEM SALES CREDITS?**

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

16 **Q. HOW ARE SHARING MECHANISMS BENEFICIAL TO BOTH RATEPAYERS**
17 **AND UTILITES?**

18 A. The ratepayers and the utility receive benefit from the policy because it creates an
19 incentive to maximize efforts to make off system sales and capacity release transactions,

1 thereby increasing the amounts applied to the gas cost rate and the lesser portion retained
2 by the utility.

3
4 **V. PRICE ANALYSIS AND BUYING ADVISORY SERVICE**

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

8 A. Yes. It does; it utilizes a firm called Planalytics to provide such services.

9 **Q. WHAT TYPES OF SERVICES DOES PLANALYTICS PROVIDE TO PGW?**

10 A. Planalytics provides the following services:

- 11 • Price feed from Nymex and Globex for natural gas, crude oil, heating oil and
12 RBOB (reformulated gasoline);
- 13 • *Buying suggestions up to 18 months in the future;*
- 14 • A charting tool for technical analysis;
- 15 • Short and medium range weather forecasts;
- 16 • Weather alerts (issued in advance of significant weather events);
- 17 • Planalytics' pre-season hurricane forecast and in-season updates; and
- 18 • Additional energy buyer features include reporting (i.e. mark-to-market,
19 transaction history, etc.) and portfolio/hedging parameters.

20 **Q. WHAT WAS INCORPORATED INTO PGW'S 2015-2016 GCR PROCEEDING**
21 **SETTLEMENT AGREEMENT WITH REGARD TO THE PLANALYTICS**
22 **ENERGY BUYER SERVICES?**

23 A. PGW agreed to the following:

24 PGW is permitted to recover the Planalytics fee for price analysis and buying
25 advisory services (not to exceed \$125,000) for the 2015-2016 GCR period.
26 Continued recovery of the fee beyond the 2015-2016 GCR period must be
27 addressed in next year's Purchased Gas Cost proceeding.
28

1 **Q. DOES PGW WISH TO CONTINUE THE PLANALYTICS BUYING ADVISORY**
2 **SERVICES?**

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

8
9 **VII. TRANSCO ESS STORAGE**

10 **Q. HAS PGW TERMINATED ANY STORAGE CONTRACTS IN THE 2015-2016**
11 **GCR PERIOD?**

12 A. Yes, the Company terminated two storage contracts with Transco. PGW sent
13 Termination Notices to Transco on 9/15/2015. The schedule below details the terms and
14 conditions of the ESS storage contract agreements. The Termination Notice applies to
15 Contract No. 1039085 which will terminate on 3/31/2016 and Contract No. 1010416
16 which will terminate on 10/31/2016.

17
18

<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

19
20
21

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

23 A. PGW conducts annual reviews of pipeline and storage contracts to evaluate need with
24 respect to supply security and cost. The two Transco ESS contracts are unbundled
25 storages. The primary benefit of these contracts was for supply security in the event of
26 supply interruptions from such things as hurricanes in the gulf producing region. They

1 also provide some summer price advantages. Because of the shift in producing regions
2 that now include proven supply from the Appalachia region, the risk of supply
3 interruptions from gulf hurricanes has been mitigated. Secondly, the ESS contracts had
4 become PGW's highest unit cost storages, offsetting the summer price advantages.

5
6 **VIII. MONTHLY IMBALANCE RECONCILIATION**

7 **Q. HAS PGW CONDUCTED AN EVALUATION OF THE MONTHLY**
8 **IMBALANCE RECONCILIATION PROCEDURE SET FORTH IN SUB-**
9 **SECTION (F)(3) ON PAGE 104 OF PGW'S GAS SERVICE TARIFF AS TO**
10 **WHETHER THIS SUB-SECTION, WITHIN THE CONTEXT OF ALL**
11 **MONTHLY IMBALANCE RECONCILIATION PROCEDURES SET FORTH IN**
12 **THIS SECTION, ADEQUATELY PROTECTS GCR CUSTOMERS?**

13 A. Yes. PGW conducted an evaluation of the monthly imbalance reconciliation for all
14 suppliers for Fiscal Year 2015 (FY 15). PGW conducted this evaluation to investigate if
15 GCR customers were adequately protected by the procedure set forth in sub-section (f)(3)
16 on page 104 of PGW's Gas Service Tariff. PGW evaluated the results of the Monthly
17 Imbalance Reconciliation within the context of all four (4) procedures in subsection (f)
18 that are applied each month. The results are summarized in the table shown below.

19 The table summarizes detailed billing information that encompasses four
20 scenarios set forth in the (f) subsection on page 104 of the PGW's Gas Service Tariff.

21 Table Header Definitions

22 Load – Gas volumes used by the Choice customers

23 Delivery – Gas volumes delivered by the Choice suppliers for their respective pools

24 Imbalance – the difference between the delivery and the load volumes

25 Position – Describe over and undersupply scenarios on the Choice supplier side

26 Band 1 Charges – Cashout charges as described in subsections (f) (1) and (f) (3)

1 Band 2 Charges – Cashout charges as described in subsections (f) (2) and (f) (4)

2 Total Cashout – Summation of Band 1 and Band 2 Charges. Negative charges are for
3 oversupply scenarios where PGW purchases the excess gas from the suppliers. Positive
4 Charges are for undersupply scenarios where PGW charges the suppliers for commodity
5 shortage.

6 Average cashout price – calculated by dividing the total cashout charges by the total
7 imbalance.

8

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
TOTAL	13,995,953	14,071,056	-75,103	Oversupply	\$ (366,364.07)	\$ 119,911.76	\$ (246,452.31)	\$ 3.28

9
10
11 PGW has concluded that within the context of all the monthly imbalance reconciliation
12 procedures set forth in the (f) subsection on page 104, GCR customers are adequately
13 protected. The four scenarios work in harmony to create a fair and balanced cashout
14 mechanism for PGW GCR customers. The average cashout price for all Choice billed
15 volumes for FY 2015 is \$3.28 per dekatherm. The four scenarios are meant to work
16 together to regulate the IT balancing and charges and all four rules listed under sub-
17 section (f) ensure that:

- 1 • Choice suppliers plan the pool deliveries as close to the pool loads/requirements
2 as they possibly can to avoid penalties and interruptions due to operational
3 restrictions.
- 4 • Any market volatility during the heating season is leveled out within the month
5 and also during the year. The analysis provided above illustrates that the average
6 cashout price for the FY 15 falls in line with market prices for the same year.
- 7 • The net imbalance is minimized due to supplier imbalances falling on long and
8 short positions on any given month.

9 To improve the balancing mechanism and enhance current customer protection rules and
10 regulations, PGW is currently developing a pool trading mechanism. Pool trading will
11 allow all IT suppliers to trade their monthly imbalances with one another to minimize
12 their cashout volumes.

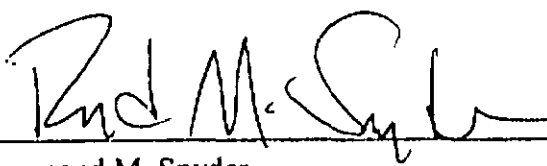
13 **Q. DOES THIS CONCLUDE YOUR DIRECT TESTIMONY?**

14 A. Yes.

VERIFICATION

I, Raymond M. Snyder, hereby state that I am the Sr. Vice President – Gas Management for Philadelphia Gas Works (“PGW”), I am authorized to make this verification on its behalf, and that the facts set forth in the attached Testimony are true and correct to the best of my knowledge, information and belief. I understand that the statements herein are made subject to the penalties of 18 Pa.C .S. § 4904 (relating to unsworn falsification to authorities).

2/29/2016
Dated



Raymond M. Snyder
Sr. Vice President – Gas Management
Philadelphia Gas Works