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November 14, 2017

Via Electronic Filing

Rosemary Chiavetta, Secretary
PA Public Utility Commission
PO Box 3265
Harrisburg, PA 17105-3265

Re: PA Public Utility Commission v. Philadelphia Gas Works - R-2017-2586783

Dear Secretary Chiavetta:

Enclosed for electronic filing please find: (1) Philadelphia Gas Works' ("PGW") Gas Service Tariff Pa. P.U.C. No. 2, Supplement No. 106; (2) PGW Gas Supplier Tariff Pa. P.U.C. No. 1, Supplement No. 73; and (3) PGW's Proof of Revenue, which was originally filed as Exhibit 2 to the Joint Petition for Partial Settlement filed on July 21, 2017. These documents are being filed pursuant to Ordering Paragraphs 6 and 9 of the Commission's November 8, 2017 Opinion and Order with regard to the above-referenced matter. In accordance with the Commission's Order, these Supplements shall become effective on December 1, 2017. Copies are being served in accordance with the attached Certificate of Service.

Sincerely,



Daniel Clearfield
DC/lww

Enclosure

cc: Hon. Christopher Pell
Hon. Marta Guhl
Certificate of Service w/enc.

CERTIFICATE OF SERVICE

I hereby certify that this day I served a copy of PGW's Philadelphia Gas Works' ("PGW") Gas Service Tariff Pa. P.U.C. No. 2, Supplement No. 106; 2) PGW Gas Supplier Tariff Pa. P.U.C. No. 1, Supplement No. 73; and 3) PGW's Proof of Revenue upon the persons listed below in the manner indicated in accordance with the requirements of 52 Pa. Code Section 1.54.

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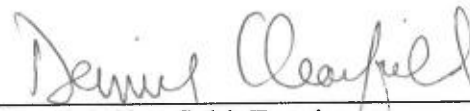
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Date: November 14, 2017



Daniel Clearfield, Esquire

PHILADELPHIA GAS WORKS
GAS SERVICE TARIFF



Issued by: Craig White
President and CEO

PHILADELPHIA GAS WORKS
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List of Changes Made by this Tariff Supplement**TABLE OF CONTENTS (Page Nos. 6-7)**

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

MERCHANT FUNCTION CHARGE AND PRICE TO COMPARE (Page No. 78)

The MFC percentages have changed: 3.76% - GS Residential; 0.62% - GS Commercial; and 0.39% - GS Industrial. Additionally, the MFC charges in the Price to Compare table: \$0.01561 – GS Residential; \$0.00257 – GS Commercial; and \$0.00162 – GS Industrial.

GENERAL SERVICE – RATE GS (Page No. 83)

Changed the customer charges and delivery charges: For Residential customers, the customer charge increases from \$12.00 to \$13.75 and delivery charge increases from \$0.60067 to \$0.66967. For Public Housing customers, the customer charge increases from \$12.00 to \$13.75 and the delivery charge increases from \$0.49441 to \$0.57105. For Commercial customers, the customer charge increases from \$18.00 to \$23.40 and the delivery charge increases from \$0.45984 to \$0.48651. For Industrial customers, the customer charge increases from \$50.00 to \$70.00 and the delivery charge increases from \$0.45332 to \$0.47698.

MUNICIPAL SERVICE – RATE MS (Page No. 87)

The customer charge increases from \$18.00 to \$23.40 and the delivery charge increases from \$0.33661 to \$0.42723.

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

The customer charge increases from \$18.00 to \$23.40 and the delivery charge increases from \$0.41101 to \$0.50163.

BOILER AND POWER PLANT SERVICE – RATE BPS (Page Nos. 93-95)

Pages cancelled – rate being discontinued.

LOAD BALANCING SERVICE – RATE LBS (Page Nos. 97-99)

Pages cancelled – rate being discontinued.

BALANCING LIMITS AND CHARGES – (PAGE No. 104-105)

Section (f)(1) Monthly Imbalance Reconciliation Threshold changed from 2.5% to 3.5%. Subsection (2)(a) purchase amount changed from 150% to 125%. Subsection (5) cashout threshold changed to 3.5%.

INTERRUPTIBLE TRANSPORTATION – RATE IT (Page No. 115)

Increased customer charge and distribution charges for as follows. For existing IT-A customers, the customer charge changed from \$125 to \$152.16 and the rate per Mcf/Dth delivered changes from \$1.88/1.81 to \$2.2885/\$2.2068. For existing IT-B customers, the customer charge changed from \$225 to \$273.89 and the rate per Mcf/Dth delivered changes from \$0.91/\$0.87 to \$1.1077/\$1.0682. For existing IT-C customers, the customer charge changed from \$225 to \$273.89 and the rate per Mcf/Dth delivered changes from \$0.71/0.68 to \$0.8643/\$0.8335. For existing IT-D customers, the customer charge changed from \$225 to \$273.89 and the rate per Mcf/Dth delivered changes from \$0.63/0.61 to \$0.7669/\$0.7395. For existing IT-E customers, the customer charge changed from \$350 to \$426.06 and the rate per Mcf/Dth delivered changes from \$0.61/0.58 to \$0.7426/\$0.7161. The distribution charge may be the product of a negotiated rate and may include long-term contracts of up to five years as mutually agreed to by the Company and the Customer. This negotiated rate may be higher than, but not lower than, the distribution charges set forth above and may include additional minimum take requirements.

PHILADELPHIA GAS WORKS

COGENERATION SERVICE – RATE CG (Page No. 131)

Rate being discontinued. Existing contracts will continue until end of the term of the service agreement, at which time customers shall then migrate to most appropriate rate schedule.

WEATHER NORMALIZATION ADJUSTMENT CLAUSE (Page Nos. 149 -150)

Calculation for normal heating degree days changed from current thirty year average to calculation based on number of years used in the Company's most recent rate case, currently twenty years, as approved at Docket No. R-2017-2586783. Adds an annual reporting regarding actual charges or credits and actual number of heating degree days.

BACK-UP SERVICE – RATE BUS (Page No. 154)

Establishes the availability, rates, and terms of service for new rate for customers with operable back-up or emergency generation equipment who will require gas from the Company. Rates to be negotiated.

TECHNOLOGY AND ECONOMIC DEVELOPMENT RIDER / MICRO-COMBINED HEAT AND POWER INCENTIVES (Page No. 155)

Establishes the availability, rates, and terms of service for new rider available on a pilot basis to support the expansion of new technologies. Rates to be negotiated. Also makes available the following incentives for qualifying Micro-CHP projects: (1) up to \$750 per kW for units between 20 kW and 50 kW; and, (2) up to \$1,000 per kW for units below 20 kW. Availability of the rider and the incentives dependent upon the economics of the proposed project meeting the requirements of Section 10 of this Tariff.

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GENERAL SERVICE - RATE GS

Rate: Applicable to all Retail Sales Service or Transportation Service rendered pursuant to this Rate Schedule on or after December 1, 2017.

AVAILABILITY

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

RATES

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

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

Surcharge: Distribution System Improvement Charge.

Plus,

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

\$0.41523	per Ccf for Residential and Public Housing
\$0.41523	per Ccf for Commercial Customers
\$0.41523	per Ccf for Industrial Customers

Plus,

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

(A) Delivery Charge:

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

(B) Surcharges:

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

(I) - Increase

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

MUNICIPAL SERVICE - RATE MS

Rate: Applicable to all Retail Sales Service or Transportation Service rendered pursuant to this Rate Schedule on or after December 1, 2017.

AVAILABILITY

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

RATES

CUSTOMER CHARGE (per Meter (except parallel meters):

\$ 23.40 per month

(I)

Surcharge: Distribution System Improvement Charge.

Plus,

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

\$0.41523 per Ccf

Plus,

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

(A) Delivery Charge:

\$0.42723 per Ccf

(I)

(B) Surcharges:

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

(I) - Increase

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

PHILADELPHIA HOUSING AUTHORITY SERVICE - RATE PHA

Rate: Applicable to all Retail Sales Service or Transportation Services rendered pursuant to this Rate Schedule on or after December 1, 2017.

AVAILABILITY

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

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

RATES

CUSTOMER CHARGE (per Meter (except parallel meters);

\$23.40 per month

(I)

Surcharge: Distribution System Improvement Charge.

Plus,

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

\$0.41523 per Ccf

Plus

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

(A) Delivery Charge:

\$0.50163 per Ccf

(I)

(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.

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PHILADELPHIA GAS WORKS

Supplement No. 106 to
Gas Service Tariff – Pa. P.U.C. No. 2
Second Revised Pg. No. 94
Canceling First Pg. No. 94

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PHILADELPHIA GAS WORKS

Supplement No. 106 to
Gas Service Tariff – Pa. P.U.C. No. 2
First Revised Pg. No. 95
Canceling Original Pg. No. 95

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PHILADELPHIA GAS WORKS

Supplement No. 106 to
Gas Service Tariff – Pa. P.U.C. No. 2
Fifth Revised Pg. No. 97
Canceling Fourth Revised Pg. No. 97

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6. BALANCING LIMITS AND CHARGES

Daily balancing, and the reconciliation of end-of-month imbalances, shall be governed by the definitions, limits and charges set forth below:

(a) **Daily Receipt Quantity.** The supplier's confirmed pipeline nomination quantity, adjusted for unaccounted for Gas, for the Gas day.

(b) **Daily Usage Quantity.** Gas used by the Rate IT Customer(s) in a supply pool during the 24-hour Gas day as recorded by the Company's meter(s) at the Rate IT Customer location(s).

(c) **Allowable Daily Variation.** The daily usage quantity must be within plus or minus ten percent (+/-10%) of the daily receipt quantity.

(d) **Daily Imbalance Surcharge.** Supplier shall be charged \$0.50 for each Dth outside the applicable allowable daily variation

(e) **Daily Market Index Price.** The prices published each day in Gas Daily (or successor publication or where none exists a publication selected by the Company) under the heading "Citygate Prices" for deliveries at "Texas Eastern M-3" and "Transco Z6 [non-NY]" (or applicable headings of a successor publication.) Whenever a price is published as a range, the value used for that day would be the midpoint of the range.

(f) **Monthly Imbalance Reconciliation.** Imbalances remaining at the end of a month in each supply pool shall be reconciled to zero in accordance with the following schedule. All cost calculations shall reflect the appropriate adjustment for unaccounted for Gas, and for average heating value where applicable.

1. Monthly usage quantities that exceed monthly receipts by up to 3.5% shall be purchased by the Supplier at the monthly average of the Daily Market Index Price; provided, however, that if Supplier shall cease to be a Supplier pursuant to this Rate Schedule, then, usage quantities that exceed monthly receipts by up to 3.5% during the Supplier's last month on PGW's system shall be purchased by the Supplier at the higher of: (a) 100% of the average of the two highest Daily Market Index Prices for the monthly period beginning on the first day of the month; or (b) 100% of the Company's highest incremental supply cost for the month. (C)
2. Monthly usage quantities that exceed monthly receipts by more than 3.5% shall be purchased by the supplier at the higher of: (a) 125% of the average of the five (5) highest Daily Market Index Prices for the monthly period beginning on the first day of the month; or (b) 150% of the Company's highest incremental supply cost for the month. (C)
3. Monthly receipt quantities that exceed monthly usage by up to 3.5% shall be purchased by the Company at the monthly average of the Daily Market Index Price; provided, however, that if Supplier shall cease to be a Supplier pursuant to this Rate Schedule, then, receipt quantities that exceed monthly usage by up to 3.5% during the Supplier's last month on PGW's system shall be purchased by Company at the lower of: (a) 100% of the average of the two (2) lowest Daily Market Index Price for the monthly period beginning on the first day of the month; or (b) 100% of the Company's lowest incremental supply cost for the month.. (C)
4. Monthly receipt quantities that exceed monthly usage by more than 3.5% shall be purchased by the Company at the lower of: (a) 75% of the average of the five(5) lowest Daily Market Index Price for the monthly period beginning on the first day of the month; or (b) 75% of the Company's lowest incremental supply cost for the month. (C)

(C) - Change

5. In the event that erroneous or inaccurate data is posted to PGW's EBB or changes occur to the data following the initial posting, PGW and the Suppliers agree to exercise good faith effort in attempting to resolve imbalances before the month's end. If the monthly imbalance cannot be brought into the monthly +/- 3.5% cashout band, the erroneous, inaccurate or changed data will be excluded from the Monthly Imbalance Reconciliation calculation and that volume shall be cashed out at the monthly average of the Daily Market Index Price.

(C)

6. To facilitate this management and to avoid or correct imbalances, Rate IT Customer may modify the quantities it intends to have delivered to Company's City Gate in accordance with the nomination procedure of the delivering pipeline. All delivery arrangements must be coordinated with Company's representative in a manner deemed acceptable by Company. The Company may decline a revised nomination for specific operating reasons, where granting such would threaten the reliability of firm supply.

7. For the purpose of this section, the term "supplier" shall refer to both directly transporting Customers and supplier pools. To facilitate this management and to avoid or correct imbalances, a Rate IT supplier may reduce its imbalance by arranging a trade of quantities with another Rate IT supplier. Suppliers shall be permitted to trade IT imbalances on both a daily and monthly basis in accordance with the provisions below in order to reduce an imbalance to zero. Such trade will be arranged separately from PGW's electronic bulletin board systems. Within five (5) business days after month end, the Company shall provide by e-mail to each supplier who has previously agreed to have its data shared, a spreadsheet listing each supplier and whether the supplier had positive or negative daily imbalances (supplier imbalance data). Verification of any trade shall be provided to PGW via e-mail by both suppliers involved in the trade and submitted within five (5) business days of receipt from the Company of the supplier imbalance data. A supplier may offset daily or monthly imbalances in its FT service pool imposed pursuant to section 9.12 of PGW's Supplier Tariff. Such pool-to-pool netting of imbalances between a supplier's FT and IT pools are permitted only to the extent that the offset reduces to zero any positive imbalance in the supplier's IT pool. Any such pool-to-pool imbalance netting shall be communicated via e-mail to the Company within seven (7) business days from the end of the billing month.

Any misconduct by a supplier may terminate or suspend imbalance trading rights. In such event, PGW shall provide written notice of such proposed action to the affected supplier. The supplier or the Company may elect to address the alleged misconduct through the Company's informal dispute resolution procedures, 52 Pa. Code Section § 62.142(b). Either the supplier or the Company may file a complaint with the Commission regarding the alleged misconduct at any time. No action to suspend or terminate a supplier's imbalance trading rights shall occur prior to commission authorization.

(C) - Change

CHARGES

1. MONTHLY BILL

The monthly bill shall consist of the sum of the monthly Customer charge and the Distribution Charge as detailed below:

<u>CUSTOMER CHARGE</u>	<u>(\$ Per Meter Per Month</u> <u>(Parallel Meters are considered one meter)</u>	
IT-A:	152.16	(I)
IT-B:	273.89	(I)
IT-C:	273.89	(I)
IT-D:	273.89	(I)
IT-E:	426.06	(I)
 <u>DISTRIBUTION CHARGE</u>	 <u>Rate (\$) Per Mcf / Dth Delivered*</u>	
IT-A:	2.2885/ 2.2068	(I)
IT-B:	1.1077 / 1.0682	(I)
IT-C:	0.8643 / 0.8335	(I)
IT-D:	0.7669 / 0.7395	(I)
IT-E:	0.7426/ 0.7161	(I)

*The distribution charge may be the product of a negotiated rate and may include long-term contracts of up to five years as mutually agreed to by the Company and the Customer. This negotiated rate may be higher than, but not lower than, the distribution charges set forth above and may include additional minimum take requirements.

(C)

(I) – Increase; (C) – Change

COGENERATION SERVICE – RATE CG*

Rate: Applicable to all Retail Sales Service rendered pursuant to this Rate Schedule on or after
September 1, 2003

AVAILABILITY

This service is available to any new or existing Commercial or Industrial Customer for Gas use in any form of combined cooling, heating and power production where there is a sequential production of energy and useful thermal energy from the same fuel source or in the sequential production of electrical energy and useful thermal energy from the same fuel source by a qualifying facility as defined in Section 201 of the Public Utility Regulatory Policies Act of 1978, regularly meeting the efficiency standards set forth in Chapter 18 of the Federal Regulations, Sections 292.205 (a) and (b). The Customer must certify that qualifying status has been granted by the Federal Energy Regulatory Commission or must demonstrate to the Company its ability to utilize waste heat created from one process by using Natural Gas in a second process. The waste heat may be generated from any form, such as power production, heating, cooling, or process applications. The waste heat recovered may be used for any domestic, Commercial or Industrial applications. The determination by the Company as to the Customer's ability to co-generate will be final. This service will be available where the Company's facilities are, or can economically be made, available to supply the service; but Gas Service under this rate shall not be a replacement of Gas Service under any rate providing for uninterruptible Gas Service. The Company's determination as to whether the service would amount to such a replacement shall be final. An Applicant for service under this rate shall be required to execute a service agreement in which shall be defined maximum and minimum quantities of Gas to be delivered. The number of Customers to receive service under this rate, at any single time, may be limited by the Company in order to maintain adequate and efficient Gas Service generally.

CHARACTER OF SERVICE

Service under this rate schedule is interruptible, and shall be subordinate to all firm services. Customer is advised of their responsibility to maintain capability of satisfying their requirements during any period when service is interrupted. Interruptions may occur for economic or operational considerations at any time.

RATES**CUSTOMER CHARGE:**

\$362.00 per month.

Plus

COMMODITY And DISTRIBUTION CHARGE:

The monthly Commodity Charge for each one hundred cubic feet of Gas used shall be set equal to the average commodity cost of Gas purchased and delivered to PGW's gate stations, including an allowance for Unaccounted for losses where applicable, plus a fixed Distribution Charge of 7.5 cents per Ccf.

(C) = Change

***As of the effective date of this Tariff Supplement, enrollment in Rate CG will be closed. Customers that are properly receiving service under this rate shall continue to do so under their current service agreement(s) until the end of the current term of the service agreement(s). Customers shall then migrate to the most appropriate rate schedule given their size and load profile.**

(C)

WEATHER NORMALIZATION ADJUSTMENT CLAUSE

Provision For Adjustment

The Weather Normalization Adjustment shall be applied to each Mcf (1,000 cubic feet) used for heating purposes under Rate Schedules GS, MS, and PHA ("heating" and "heating only" customers), except for Gas usage under the Special Provisions – Air Conditioning of those rates. The Weather Normalization Adjustment will be applied to customer usage during the period of October 1 through May 31 of each year for each billing cycle (except for the 2002-2003 heating season when the Weather Normalization Adjustment will be applied to customer invoices rendered during the period of December 1 through May 31 of each year for each billing cycle).

Computation of Weather Normalization Adjustment

The Weather Normalization Adjustment surcharge or credit shall be computed to the nearest one-hundredth cent (0.01cent) in accordance with the formulas set forth below:

$$HL = TU - (BL * BC)$$

$$WNA = DC * [(HL * \frac{NHDD \pm (NHDD * 1\%)}{AHDD}) - HL]$$

Definitions

TU – Total Usage for the billing cycle. TU measured in Mcf.

BL – base load Mcf per billing day is the number of Mcf per Customer used per day for non-heating purposes based on usage by Customers to which this adjustment applies. It is determined separately for each individual customer and will be revised annually to reflect the non-temperature sensitive usage of Customers to which the adjustment applies reflected in the prior heating season's sales. If an individual customer base load is not available, the base load for the related customer class will be applied.

BC – billing cycle is the actual number of days shown on the bill that the Customer receives for service.

DC – Delivery Charge.

NHDD – normal heating degree days for any given calendar day within a month are based on the normal weather determination applied in the Company's most recent base rate case, currently twenty years, as approved at Docket No. R-2017-2586783. The NHDD provided for in the formula are the total number of NHDD for the billing cycle. The degree day data is provided by the National Weather Service and measured at the Philadelphia International Airport.

(C)

AHDD – actual experienced heating degree days for the billing cycle. The degree day data is provided by the National Weather Service and measured at the Philadelphia International Airport.

Operation of Weather Normalization Adjustment

The Weather Normalization Adjustment will be applied to a Customer's bill on a cents per Mcf basis when actual heating degree days vary from normal heating degree days during the period for which the Customer is billed. The Weather Normalization Adjustment will be applied to the Customer's space

(C) - Change

PHILADELPHIA GAS WORKS

heating consumption except for air conditioning usage billed under the air conditioning rate. The Weather Normalization Adjustment for a billing cycle will apply only if the actual heating degree days (AHDD) for the billing cycle are lower than 99 percent or higher than 101 percent of the normal heating degree days (NHDD) for the billing cycle and will only apply to the extent that the variation is lower than 99 percent or higher than 101 percent of the normal heating degree days for that billing cycle. A new weather adjustment will be calculated for each billing cycle.

Under the formulas, the Weather Normalization Adjustment surcharge or credit is calculated by:

- 1) Normal HDD are calculated for each day of the fiscal year based upon the normal weather determination applied in the Company's most recent base rate case, currently twenty years as approved at Docket No. R-2017-2586783. (C)
- 2) At the start of the fiscal year, an average daily base load (non-heating) usage is calculated for each individual customer based upon actual base load usage.
- 3) The average daily base load (non-heating) amount is multiplied by the number of days in the billing cycle.
- 4) The total billing cycle base load amount is subtracted from the actual cycle usage of the customer in order to derive the usage applicable to heating.
- 5) The WNA factor is multiplied times the heating usage in order to derive the normalized heating usage.
 - a) The WNA factor is calculated by first adjusting the Normal HDD (NHDD) for the billing cycle by the deadband percentage (1 %). The deadband percentage is multiplied by the NHDD and then added to NHDD for the billing period when the weather is colder than normal (i.e., AHDD > NHDD) or subtracted from NHDD for the billing period when the weather is warmer than normal (i.e., AHDD < NHDD).
 - b) The adjusted NHDD are then divided by the AHDD.
- 6) The actual heating usage is subtracted from the normalized heating usage and then multiplied by the delivery charge. The result is a surcharge or credit.

Reporting Requirements

The Company will file all Weather Normalization Adjustments with the Commission on an annual basis. On or about January 10 of each year beginning in 2018, the Company shall submit an annual report for the most recent fiscal year ending August 31 detailing the actual charges or credits that resulted from the application of this clause and the actual number of heating degree days (HDDs). (C)

(C) - Change

BACK-UP SERVICE - RATE BUS

Rate Applicable to: Back-Up Service as described below.

AVAILABILITY

Available at the Company's sole discretion where the Customer has installed any type of operable back-up or emergency generation equipment and who from, time to time, will require Gas from the Company for the Customer's operation of that equipment.

RATES and TERMS OF SERVICE

Contracts stipulating the negotiated rate and negotiated terms of Back-up Service may be entered into between the Company and Customer when the Company, in its sole discretion, deems such offering to be economically advantageous to the Company. Service under this rate is firm.

Back-up service for use by back-up or emergency equipment shall be separately metered subject to the Company's technical determination that more than one meter is required to correctly measure the total gas service rendered. Should the Company determine that this service be separately metered, the Company will issue a separate bill pursuant to a rate schedule applicable for the usage on the separate meter. Otherwise, if so determined by the Company to be technically feasible, the Company shall allow gas usage for such equipment to be measured by the customer's existing meter.

As part of its annual Gas Cost Rate (GCR) filings, PGW will provide the number of customers, sales levels and costs incurred for these customers. In two years (or in the Company's next base rate case, whichever is sooner), the Company will provide an analysis of the rate and provide a recommendation about whether the rate should continue.

**TECHNOLOGY AND ECONOMIC DEVELOPMENT RIDER
MICRO-COMBINED HEAT AND POWER INCENTIVES**AVAILABILITY

TECHNOLOGY AND ECONOMIC DEVELOPMENT RIDER: The Technology and Economic Development (TED) Rider is a negotiated rider available on a pilot basis for a three-year period beginning on the effective date of this tariff supplement that will be utilized to support the expansion of new technologies such as, but not limited to, combined heat and power (CHP), natural gas vehicles, and fuels cells, to develop brownfields, and support economic development in Pennsylvania by facilitating business retention and attraction, as well as other gas distribution system expansion activities. The TED Rider is available to those Customers served by the Company that the Company determines, in its sole discretion, have prospective additional gas usage applicable to service for firm service non-residential customers on Tariff Rate Schedules for General Service (Rate GS), Municipal Service (Rate MS), Philadelphia Housing Authority Service (Rate PHA) and Developmental Natural Gas Vehicle Service (Rate NGVS) at the time of execution or renewal of a service agreement. The TED Rider is established for the purpose of adjusting the customer's overall distribution charge to address project-specific or competitive issues to gain access to and expand use of natural gas within the Commonwealth of Pennsylvania. The negotiated TED Rider may be either a surcharge or credit depending on project-specific customer and Company economic requirements, such that the overall economics must meet the requirements of Section 10 of this Tariff. As part of its Gas Cost Rate (GCR) filings, PGW will provide data on sales and costs for TED customers.

GENERAL TERMS

The Customer must execute a TED Rider service agreement.

RATES

Customer Charge: Negotiable
Plus
Delivery Charge (per ccf): Negotiable

AVAILABILITY

MICRO-COMBINED HEAT AND POWER INCENTIVES: For projects involving micro-CHP units no larger than 50 kW, the following Micro-CHP Incentives may be available for qualifying projects: (1) up to \$750 per kW for units between 20 kW and 50 kW; and, (2) up to \$1,000 per kW for any units below 20 kW. The Incentive is available to those Customers served by the Company that the Company determines, in its sole discretion, have prospective additional gas usage applicable to service for Rate GS Commercial/Industrial customers, Rate MS customers and Rate PHA customers on a pilot basis for a three-year period beginning on the effective date of this tariff supplement. The economic test that will be utilized by the Company to determine eligibility for participation will include the costs of the incentives.

PHILADELPHIA GAS WORKS

GAS SUPPLIER TARIFF



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

List of Changes Made by this Tariff

6.1.E. SUPPLIER SELECTION PROCEDURES (Page No. 24)

Deleted \$10.00 fee per customer for customers who switch suppliers after their initial enrollment.

12.9.C.5 POR PAYMENTS (Page No. 49)

Updated reference to docket number R-2017-2586783 to determine POR payments.

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6. Supplier Selection Procedures.

6.1. Customers shall have the opportunity to select a Supplier in accordance with PUC Orders and the procedures contained in this Supplier Tariff and the Gas Service Tariff.

6.1.A. If a Customer or person authorized to act on the Customer's behalf contacts the Company via telephone to select a Supplier, the Company will advise the Customer to contact that Supplier.

6.1.B. A Supplier enrolling a Customer for its Natural Gas Supply service must first obtain appropriate authorization from the Customer, or from the person authorized to act on the Customer's behalf, indicating the Customer's choice of a Supplier. This authorization may be obtained through written or direct oral confirmation. The Supplier must maintain recorded or written evidence of the Customer's authorization to provide documented evidence of authorization to the PUC in the event of a dispute.

6.1.C. The Supplier shall provide an electronic file to the Company which shall comply with the Company's electronic data interchange requirements. The Company will confirm receipt of the file and within three (3) business days of receipt will provide Supplier an electronic validation of the records contained therein.

6.1.D. For enrollments received on or before the 15th of any calendar month, the Customer will be switched, on the date of the Customer's regularly scheduled meter reading in the calendar month immediately following the month the enrollment information was received. For enrollments received after the 15th of any calendar month, the Customer will be switched on the date of the Customer's regularly scheduled meter reading in the second (2nd) calendar month following the month the enrollment information was received.

6.1.E. If, in any month, a Customer selects more than one (1) Supplier, the Supplier that submitted to the Company the latest valid Supplier contract, before the end of the applicable Supplier selection period, will become the Customer's Supplier of record beginning on the Customer's switch date. No fee will be charged for the initial enrollment.

(c)

6.1.F. The Company will send a confirmation notice to all Customers who have made a Supplier selection by the next business day after receiving the request from the Supplier. Included in this notice will be notification of a waiting period in compliance with Applicable Law which the Customer may cancel its selection of a Supplier. The confirmation notice will include the Customer's name, address, the Company account number, selected Supplier, service effective date and Billing Date. The waiting period will begin on the day the notice is mailed to the Customer. The Company will notify the Customer's prior Supplier of the intended discontinuance of service to the Customer from that prior Supplier.

6.1.G. If the waiting period expires, and the Customer has not contacted the Company to dispute the Supplier selection, the Supplier will become the Customer's Supplier of record.

6.1.H. If the Customer elects to rescind its Supplier selection, the Company will notify the rejected Supplier and the reinstated Supplier electronically. In the event the Customer rescinds its

PHILADELPHIA GAS WORKS

12.9.C.2. Customer Eligibility. GS Residential customers and GS Commercial and Industrial customers with annual usage of 5,000 Mcf or less will be eligible for inclusion into a POR program. Eligible GS Customer accounts will be reviewed on an annual basis to determine if they are eligible to be included in the next 12 month period. The review will be based on the previous 12 months actual usage.

12.9.C.3. NGS Participation. All of the NGS' customer accounts within the elected Rate Classes must be POR eligible accounts. To be eligible for the POR program, an NGS must choose consolidated billing for all of their eligible customer accounts and must sell all associated customer accounts receivable to PGW.

12.9.C.4. Billing Options. PGW shall support rate-ready billing, and all NGS rates must conform to supported rate designs.

12.9.C.5. POR Payments. The Company will purchase each POR Customer's accounts receivable, provided, however, that PGW shall discount payments consistent with the settlement agreement and the PUC's Final Order in Docket No. R-2017-2586783, or as otherwise ordered by the Commission. (c)

12.9.C.5.a. PGW will owe the Supplier all legitimate Supplier charges for basic gas supply services and applicable taxes subject to the discount, regardless of whether the customer has paid the Company. The ownership of each POR Customer's accounts receivable will transfer from the Supplier to the Company upon Customer billing.

12.9.C.5.b. The Company will pay the Supplier in accordance with the following schedule:

1. The Company will remit payment for the receivable on the 25th day of the month following the billing month.
2. Payment will not be made to the Supplier when Supplier Charges are not received by the Company within the required time period, as explained in paragraph 12.9.B.2.(e) above. Payment for these charges will be made according to the applicable schedule in the following month, if they are received within the appropriate time period along with the current month charges.

12.9.C.5.c. The Company may purchase accounts receivable based upon an estimated bill. The Company shall add or deduct from any future payments due to the Supplier amounts that may result from reconciliations, adjustments, or recalculations, estimated readings, cancel and rebills, or any applicable billing adjustment.

12.9.C.5.d. Upon request, a Supplier shall provide a written certification to the Company that the Supplier is providing only basic gas supply to POR Customers billed under Consolidated NGDC Billing. Basic gas supply does not include a non-gas supply product (e.g., service contract for appliances, or payment for usage reductions, early contract cancellation fees or late fees, or other similar charges).

12.9.C.5.e. Supplier acknowledges and agrees that the Company is (a) entitled to receive and retain all payments from Supplier's customers for Purchased Receivables, and (b) authorized to conduct collection activities and, if necessary, terminate its delivery service and Supplier's supply services to customers whose accounts receivables were purchased and who fail to make payment of amounts due on the Consolidated NGDC Bill, including the purchased Supplier receivables or other authorized reasons. Any customer whose service is terminated shall be reconnected to SOLR service upon compliance with PGW requirements.

PA Public Utility Commission v. Philadelphia
Gas Works R-2017-2586783

Proof of Revenue

(Originally filed as Exhibit 2 to Joint Petition for Partial Settlement)

PGW Pro Forma Present and Proposed Rates Summary

Rate Class	Pro Forma at Present Rates	Pro Forma at Proposed Rates	Increase
Residential	\$ 288,996,042	\$ 322,033,228	\$ 33,037,187
Commercial	\$ 54,919,504	\$ 59,495,334	\$ 4,575,831
Industrial	\$ 4,174,258	\$ 4,524,593	\$ 350,336
PHA GS	\$ 1,120,665	\$ 1,290,860	\$ 170,195
Municipal/PHA Rate 8	\$ 5,977,730	\$ 7,489,500	\$ 1,511,770
GTS / IT	\$ 12,190,416	\$ 14,543,216	\$ 2,352,800
<u>Total</u>			<u>\$ 41,998,117</u>

Philadelphia Gas Works

Rate Case 2017

Pro Forma at Present Rates*

	FY 2017-2018			Current PUC Approved Tariff Rates				Amounts in \$000s				
	Number of Customers	No. of Annual Bills	Annual Deliveries (Mcf)	Monthly Customer Charge	Delivery Charge	Merchant Function Charge (MFC)	Gas Procurement Charge (GPC)	Customer Charge Revenue	Delivery Charge Revenue	Merchant Function Charge (MFC) Revenue	Gas Procurement Charge (GPC) Revenue	Total Full Base Rate Revenue
1 Non-Heating:	19,006	228,066	417,441	\$12.00	\$6.0067	\$0.1946	\$0.0400	2,737	2,507	81	17	5,342
2 Residential c	506	6,066	10,186	\$12.00	\$6.0067	\$0.1946	\$0.0400	73	61	2	0	136
3 Residential-Senior	3,983	47,800	970,869	\$18.00	\$4.5984	\$0.0116	\$0.0400	860	4,464	11	39	5,375
4 Commercial	136	1,632	103,126	\$50.00	\$4.5332	\$0.0125	\$0.0400	82	467	1	4	555
5 Industrial	102	1,224	129,712	\$18.00	\$3.3661	\$ -	\$0.0400	22	437	0	5	464
6 Municipal/MS	3	36	1,766	\$35.00	\$1.2833	\$ -	\$0.0400	1	2	0	0	4
7 NGV	23,735	284,824	1,633,099					3,775	7,939	96	65	11,875
8 Total Non-Heat Firm												
9												
10 Heating:	441,771	5,300,652	33,967,977	\$12.00	\$6.0067	\$0.1946	\$0.0400	63,608	204,035	6,610	1,359	275,612
11 Residential	11,362	136,348	1,004,468	\$12.00	\$6.0067	\$0.1946	\$0.0400	1,636	6,034	195	40	7,905
12 Residential-Senior	17,395	208,741	6,099,165	\$18.00	\$4.5984	\$0.0116	\$0.0400	3,757	28,046	71	244	32,118
13 Commercial	388	4,656	284,945	\$50.00	\$4.5332	\$0.0125	\$0.0400	233	1,292	4	11	1,539
14 Industrial	379	4,548	468,527	\$18.00	\$3.3661	\$ -	\$0.0400	82	1,577	0	19	1,678
15 Municipal/MS	147	1,769	44,181	\$18.00	\$4.1101	\$ -	\$0.0400	32	182	0	2	215
16 PHA Rate 8	1,835	22,020	168,088	\$12.00	\$4.9441	\$ -	\$0.0400	264	831	0	7	1,102
17 PHA/GS	28	336	2,934	\$12.00	\$4.9441	\$ -	\$0.0400	4	15	0	0	19
18 PHA/GS- Senior	473,256	5,679,070	42,040,285					69,616	242,011	6,880	1,682	320,189
19 Total Heat Firm	496,991	5,963,893	43,673,384					73,391	249,951	6,976	1,747	332,064
20 Total Heat & Non-Heat Firm												
21												
22 Firm Transport	0	0	0	\$12.00	\$6.0067	\$ -	\$ -	0	0	0	0	0
23 Non-Heating:	779	9,343	505,731	\$18.00	\$4.5984	\$ -	\$ -	168	2,326	0	0	2,494
24 Residential	41	492	174,285	\$50.00	\$4.5332	\$ -	\$ -	25	790	0	0	815
25 Commercial	196	2,352	60,159	\$18.00	\$3.3661	\$ -	\$ -	42	203	0	0	245
26 Industrial	1	12	4,343	\$35.00	\$1.2833	\$ -	\$ -	0	6	0	0	6
27 Municipal/MS	1,017	12,199	744,518					235,534	3,323,696	0	0	3,559
28 NGV												
29 Total Non Heat FT												
30												
31 Heating:	0	0	0	\$12.00	\$6.0067	\$ -	\$ -	0	0	0	0	0
32 Residential	2,889	34,672	3,111,581	\$18.00	\$4.5984	\$ -	\$ -	624	14,308	0	0	14,932
33 Commercial	68	816	270,187	\$50.00	\$4.5332	\$ -	\$ -	41	1,225	0	0	1,266
34 Industrial	189	2,268	371,420	\$18.00	\$3.3661	\$ -	\$ -	41	1,250	0	0	1,291
35 Municipal/MS	764	9,168	467,156	\$18.00	\$4.1101	\$ -	\$ -	165	1,920	0	0	2,085
36 PHA	3,910	46,924	4,220,343					871	18,703	0	0	19,574
37 Total Heat FT	4,927	59,123	4,964,861					1,106	22,027	0	0	23,133
38 Total FT												
39												
40 Total Interruptible Sales	4	48	16,714					17				17
41 Total PGW (Sales & FT)	501,922	6,073,064	48,654,959					74,515	271,978	6,976	1,747	355,215
42 GTS / IT Revenue												12,190
43 WNA Revenue												0
44 LNG Sales			1,000,000									3,680
45 Total Full Tariff Revenue			49,654,959									371,086

* Sales calculated using 20 year average HDDs of 4011

**Philadelphia Gas Works
Rate Case 2017
Pro Forma at Proposed Rates***

	FY 2017-2018			Proposed Rates			Amounts in \$000s					
	Number of Customers	No. of Annual Bills	Annual Deliveries (Mcf)	Monthly Customer Charge	Delivery Charge	Merchant Function Charge (MFC)	Gas Procurement Charge (GPC)	Customer Charge Revenue	Delivery Charge Revenue	Merchant Function Charge (MFC) Revenue	Gas Procurement Charge (GPC) Revenue	Total Full Base Rate Revenue
1 Non-Heating:												
2 Residential	19,006	228,066	417,441	\$13.75	\$6.6967	\$0.1575	\$0.0400	3,136	2,795	66	17	6,014
3 Residential-Senior	506	6,066	10,186	\$13.75	\$6.6967	\$0.1575	\$0.0400	83	68	2	0	154
4 Commercial	3,983	47,800	970,869	\$23.40	\$4.8651	\$0.0261	\$0.0400	1,119	4,723	25	39	5,906
5 Industrial	136	1,632	103,126	\$70.00	\$4.7698	\$0.0162	\$0.0400	114	492	2	4	612
6 Municipal/MS	102	1,224	129,712	\$23.40	\$4.2723	\$ -	\$0.0400	29	554	0	5	588
7 NGV	3	36	1,766	\$35.00	\$1.2833	\$ -	\$0.0400	1	2	0	0	4
8 Total Non-Heat Firm	23,735	284,824	1,633,099					4,482	8,635	94	65	13,277
9												
10 Heating:												
11 Residential	441,721	5,300,652	33,967,977	\$13.75	\$6.6967	\$0.1575	\$0.0400	72,884	227,473	5,350	1,359	307,066
12 Residential-Senior	11,362	136,348	1,004,468	\$13.75	\$6.6967	\$0.1575	\$0.0400	1,875	6,727	158	40	8,800
13 Commercial	17,395	208,741	6,099,165	\$23.40	\$4.8651	\$0.0261	\$0.0400	4,885	29,673	159	244	34,961
14 Industrial	388	4,656	284,945	\$70.00	\$4.7698	\$0.0162	\$0.0400	326	1,359	5	11	1,701
15 Municipal/MS	379	4,548	468,527	\$23.40	\$4.2723	\$ -	\$0.0400	106	2,002	0	19	2,127
16 PHA Rate 8	147	1,769	44,181	\$23.40	\$5.0163	\$ -	\$0.0400	41	222	0	2	265
17 PHA/GS	1,835	22,020	168,088	\$13.75	\$5.7105	\$ -	\$0.0400	303	960	0	7	1,269
18 PHA/GS- Senior	28	336	2,934	\$13.75	\$5.7105	\$ -	\$0.0400	5	17	0	0	21
19 Total Heat Firm	473,256	5,679,070	42,040,285					80,424	268,432	5,672	1,682	356,210
20 Total Heat & Non-Heat Firm	496,991	5,963,893	43,673,384					84,906	277,067	5,766	1,747	369,487
21												
22 Firm Transport												
23 Non-Heating:												
24 Residential	0	0	0	\$13.75	\$6.6967	\$ -	\$ -	0	0	0	0	0
25 Commercial	779	9,343	505,731	\$23.40	\$4.8651	\$ -	\$ -	219	2,460	0	0	2,679
26 Industrial	41	492	174,285	\$70.00	\$4.7698	\$ -	\$ -	34	831	0	0	866
27 Municipal/MS	196	2,352	60,159	\$23.40	\$4.2723	\$ -	\$ -	55	257	0	0	312
28 NGV	1	12	4,343	\$35.00	\$1.2833	\$ -	\$ -	0	6	0	0	6
29 Total Non Heat FT	1,017	12,199	744,518					308,528	3,554,326	0	0	3,863
30												
31 Heating:												
32 Residential	0	0	0	\$13.75	\$6.6967	\$ -	\$ -	0	0	0	0	0
33 Commercial	2,889	34,672	3,111,581	\$23.40	\$4.8651	\$ -	\$ -	811	15,138	0	0	15,949
34 Industrial	68	816	270,187	\$70.00	\$4.7698	\$ -	\$ -	57	1,289	0	0	1,346
35 Municipal/MS	189	2,268	371,420	\$23.40	\$4.2723	\$ -	\$ -	53	1,587	0	0	1,640
36 PHA	764	9,168	467,156	\$23.40	\$5.0163	\$ -	\$ -	215	2,343	0	0	2,558
37 Total Heat FT	3,910	46,924	4,220,343					1,136	20,357	0	0	21,493
38 Total FT	4,927	59,123	4,964,861					1,445	23,911	0	0	25,356
39												
40 Total Interruptible Sales	4	48	16,714					17				17
41 Total PGW (Sales & FT)	501,922	6,023,064	48,654,959					86,368	300,979	5,766	1,747	394,860
42 GTS / IT Revenue												14,543
43 WNA Revenue												0
44 LNG Sales			1,000,000									3,680
45 Total Full Tariff Revenue			49,654,959									413,084

* Sales calculated using 20 year average HDDs of 4011

PGW IT TARIFF RATES

Total IT Revenue	\$ 10,825,802
IT Rate Increase	\$ 2,352,800
Total IT Total Revenue	\$ 13,178,602
% Increase	21.73%
Proposed Total IT Revenue	\$ 13,178,586
Difference	\$ 16

IT RATE Class	Customer Counts	Monthly Customer Charge	Present Customer Charge Revenue	Proposed Customer Charge (21.73% Increase)	Proposed Customer Charge Revenue	Usage (Mcf)	Distribution Charge (Mcf)	Present Distribution Charge Revenue	Proposed Distribution Charge (21.73% Increase)	Proposed Distribution Charge Revenue	Proposed Total IT Revenue
ITA	105	\$ 125	\$ 157,500	152.16	\$ 191,725	367,048	\$ 1.88	\$ 690,051	\$ 2.2885	\$ 839,990	\$ 1,031,715
ITB	107	\$ 225	\$ 288,900	273.89	\$ 351,678	759,259	\$ 0.91	\$ 690,926	\$ 1.1077	\$ 841,031	\$ 1,192,709
ITC	97	\$ 225	\$ 261,900	273.89	\$ 318,811	1,389,877	\$ 0.71	\$ 986,812	\$ 0.8643	\$ 1,201,270	\$ 1,520,081
ITD	78	\$ 225	\$ 210,600	273.89	\$ 256,363	2,785,675	\$ 0.63	\$ 1,754,976	\$ 0.7669	\$ 2,136,334	\$ 2,392,698
ITE	25	\$ 350	\$ 105,000	426.06	\$ 127,817	6,668,794	\$ 0.61	\$ 4,067,964	\$ 0.7426	\$ 4,952,246	\$ 5,080,063
Incremental Load						2,269,259	\$ 0.71	\$ 1,611,174	\$ 0.8643	\$ 1,961,321	\$ 1,961,321
Total			\$ 1,023,900		\$ 1,246,393	14,239,912		\$ 9,801,902		\$ 11,932,193	\$ 13,178,586