

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

**Computation of Annual Purchased Gas Costs  
For Twelve Months Ending August 31, 2019**

**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.**

**February 1, 2018**

# Philadelphia Gas Works 1307f - 2018 Prefiling

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**Philadelphia Gas Works**

Pennsylvania Public Utility Commission  
52 Pa. Code §53.61, et seq.

**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:

- (5) A listing and updating, if necessary, of projections of gas supply and demand provided to the Commission for any purpose—see § 59.67 (relating to formats). In addition, provide an accounting of the difference between reported gas supply available and gas supply deliverable—including storage—from the utility to its customers under various circumstances and time periods.

**Response:**

Please see the attached document. PGW's next Annual Resource Planning Report (Forms 1 and 2) is due for submission to the Commission on March 1, 2018 and an updated Annual Resource Planning Report is not available at this time.

# ANNUAL RESOURCE PLANNING REPORT

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## **Philadelphia Gas Works**

### **Philadelphia, Pennsylvania**

**March 2017**

**Forms 1 & 2**

**BEFORE THE PENNSYLVANIA PUBLIC UTILITY COMMISSION**

**Philadelphia Gas Works  
800 West Montgomery Avenue  
Philadelphia, Pennsylvania 19122**

**ANNUAL RESOURCE PLANNING REPORT  
MARCH 2017**

**Forms 1 & 2**

**Information Submitted in Compliance with and Pursuant to Title 52  
Pennsylvania Code Section 59.81**

# **PHILADELPHIA GAS WORKS**

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<b><u>EXHIBIT NO.</u></b>	<b><u>REGULATION</u></b>	<b><u>DESCRIPTION</u></b>
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2	59.81	Forms IRP-Gas 1A, and 1B Annual and Peak Day Energy Demand
3	59.81	Forms IRP-Gas 2A, 2B, and 2C Annual and Peak Day Energy Resources, And transmission and storage contracts

Section 59.81: **General**

Pursuant to Section 59.81 (a), each major jurisdictional gas utility must file an annual resource planning report (ARPR) on or before June 1, 1996 and June 1 of each succeeding year, except Form 1A/2A which filing date is March 1. The report must be submitted to:

Secretary  
Pennsylvania Public Utility Commission  
P.O. Box 3265  
Harrisburg, PA 17105-3265

One courtesy copy should also be submitted to:

Pennsylvania Public Utility Commission  
Conservation, Economics and Energy Planning  
P.O. Box 3265  
Harrisburg, PA 17105-3265

Also submit one (1) copy to the following:

Office of Consumer Advocate  
555 Walnut Street  
Forum Place, 5<sup>th</sup> Floor  
Harrisburg, PA 17101-1921

Office of Small Business Advocate  
Suite 202, Commerce Building  
300 N. Second Street  
Harrisburg, PA 17101



Be sure to indicate the name and telephone number of at least one individual at the company who is familiar with the filing and will be available to answer any questions the Commission staff may have. You may also wish to list those individuals who are directly involved in the preparation of the various document components.

Information contained in annual resource planning reports must be utility-specific. The report should follow an outline similar to that which is contained herein, with narrative accompanying the required data. Forms may be modified to accommodate wide columns of numbers and enhance readability, but the general format should be used to maintain consistency.

This information is not generally considered confidential. Utilities are obligated to provide complete information. However, we will treat as confidential those portions of the report designated by the utility as proprietary. If a utility's proprietary claim is challenged, the Commission will direct the utility to file a petition for protective order pursuant to 52 PA Code 5.423.

All questions concerning the reporting requirements for Forms IRP Gas 1A through 9 should be addressed to Pennsylvania Public Utility Commission Bureau of Conservation, Economics and Energy Planning.

Response:

Forms 1A, 1B, 2A, 2b, and 2C along with a general discussion of the methodologies, data sources, and assumptions are being submitted to meet the requirements of the March 1 filing.

All questions concerning the ARPR should be directed to Mr. Kenneth Dybalski, Vice President, Energy Planning & Technical Compliance at 215-684-6317. The following individual is available to answer questions concerning Forms 1 and 2: Ms. Maria Hogan, Director – Gas Planning & Rates at (215) 684-6618.

Section 59.81 **Forms IRP-Gas 1A, and 1B – Annual and Peak Day Demand**

The load growth projections shall reflect the effects of price elasticity, market induced conservation, building and appliance efficiency standards, and the effects of the utility's existing and planned conservation and load management activities.

Response: Please see the attached documentation and forms.

**FORM-IRP-GAS-1A: ANNUAL GAS REQUIREMENTS  
REPORTING UTILITY: PHILADELPHIA GAS WORKS  
(VOLUMES IN MMcf)**

Index Year Actual Year	Historical Data			Current Year			Three Year Forecast			
	2014-2015 -2	2015-2016 -1	2016-2017 0	2017-2018 1	2018-2019 2	2019-2020 3				
<b>Firm Requirements:</b>										
Retail Residential	39,026	30,604	33,575	37,067	37,156	37,261				
Retail Commercial	8,917	6,747	7,224	7,986	8,085	8,209				
Retail Industrial	474	332	379	404	403	403				
Electric Power Generation Exchanges with Other Utilities	-	-	-	-	-	-				
Unaccounted For Gas	1,641	1,017	2,097	1,511	1,518	1,525				
Company Use	343	233	303	321	321	321				
Other - Prior Period Adjustment	-	-	-	-	-	-				
Subtotal Firm	50,401	38,934	43,578	47,290	47,482	47,718				
<b>Interruptible Requirements:</b>										
Retail	514	38	561	1,017	1,017	1,017				
Electric Power Generation	-	-	-	-	-	-				
Company's Own Plant	57	44	85	104	104	105				
Unaccounted For Gas	1	1	0	1	1	1				
Subtotal Interruptible	571	83	646	1,122	1,122	1,122				
<b>SUBTOTAL FIRM AND INTERRUPTIBLE</b>	50,973	39,017	44,224	48,411	48,604	48,841				
<b>Transportation:</b>										
Firm Residential	50	43	12	-	-	-				
Firm Commercial	3,922	3,801	4,292	4,274	4,380	4,462				
Firm Industrial	449	406	400	464	464	464				
Interruptible Residential	-	-	-	-	-	-				
Interruptible Commercial	7,284	6,265	7,160	8,265	8,756	9,252				
Interruptible Industrial	7,095	6,336	7,085	7,992	8,446	8,917				
Other - Non-Utility Power Producers	12,036	11,736	11,946	12,057	12,057	12,090				
Subtotal Transportation	30,835	28,588	30,895	33,053	34,103	35,185				
<b>TOTAL GAS REQUIREMENTS</b>	81,808	67,605	75,118	81,464	82,706	84,026				
Increase (Decrease)	1,798	(14,203)	7,513	6,346	1,242	1,319				
Percent Change (%)	2.25%	-17.36%	11.11%	8.45%	1.52%	1.60%				

**FORM-IRP-GAS-1B:PEAK DAY REQUIREMENTS  
REPORTING UTILITY: PHILADELPHIA GAS WORKS  
(VOLUMES IN MMcf)**

Index Year Actual Year	Historical Data		Current Year <sup>(2)</sup>			Three Year Forecast <sup>(1)</sup>		
	2014-2015 -2	2015-2016 -1	2016-2017 0	2017-2018 1	2018-2019 2	2019-2020 3		
<b>Firm Requirements:</b>								
Retail Residential	389	368	430	466	467	468		
Retail Commercial	87	81	92	100	102	103		
Retail Industrial	5	4	5	5	5	5		
Electric Power Generation	-	-	-	-	-	-		
Exchanges with Other Utilities	-	-	-	-	-	-		
Unaccounted For Gas	11	12	27	19	19	19		
Company Use	4	3	4	4	4	4		
Other	-	-	-	-	-	-		
Subtotal Firm	496	468	558	594	596	599		
<b>Interruptible Requirements:</b>								
Retail	3.1	1.5	2.3	2.8	2.8	3		
Electric Power Generation	0.0	0.0	-	-	-	-		
Company's Own Plant	0.3	0.4	0.6	0.5	0.5	0		
Unaccounted For Gas	0.1	0.1	-	0.1	0.1	0.1		
Subtotal Interruptible	3.6	2.0	2.9	3.4	3.4	3.4		
<b>SUBTOTAL FIRM AND INTERRUPTIBLE</b>	<b>499</b>	<b>470</b>	<b>561</b>	<b>597</b>	<b>600</b>	<b>602</b>		
<b>Transportation:</b>								
Firm Residential	0	1	-	-	-	-		
Firm Commercial	30	38	41	45	46	47		
Firm Industrial	2	4	3	4	4	4		
Interruptible Residential	-	-	-	-	-	-		
Interruptible Commercial	51	46	-	-	-	-		
Interruptible Industrial	28	27	-	-	-	-		
Other - Non-Utility Power Producers	29	45	-	-	-	-		
Subtotal Transportation	140	160	44	49	50	51		
<b>TOTAL GAS REQUIREMENTS</b>	<b>640</b>	<b>630</b>	<b>605</b>	<b>647</b>	<b>650</b>	<b>653</b>		
Increase (Decrease)		(10)	(25)	41	3	3		
Percent Change (%)		-1.5%	-4.0%	6.8%	0.5%	0.5%		

<sup>(1)</sup> Peak Day is forecasted at a 2 degree temperature.

<sup>(2)</sup> Current Year Peak Day is forecasted at a 5 degree temperature.

Section 59.81

**Forms IRP-Gas 2A, 2B and 2C - Annual and Peak Day Energy Resources, Transmission and Storage Contracts**

The forecast of energy sources shall indicate sources of all presently available and new supplies which the utility estimates will become available, displayed by component parts.

Response:

Please see the attached documentation and forms.

FORM-IRP-GAS-2A: ANNUAL/PEAK SUPPLY  
 TABLE 1: ANNUAL/PEAK SUPPLY  
 REPORTING UTILITY: PHILADELPHIA GAS WORKS  
 (Volumes in MMcf)

Index Year Actual Year	Historical Data				Current Year (2)				Three Year Forecast (1)					
	-2	-1	0	1	2	3	2018-2019	2019-2020	2017-2018	2018-2019	2019-2020	2017-2018	2018-2019	2019-2020
	Annual Peak	Annual Peak	Annual Peak	Annual Peak	Annual Peak	Annual Peak	Annual Peak	Annual Peak	Annual Peak	Annual Peak	Annual Peak	Annual Peak	Annual Peak	Annual Peak
Gas Supply for Sales Service														
Spot Purchases	52,701	41,473	45,828	50,121	50,297	50,478	50,297	50,478	50,121	50,297	50,478	50,121	50,297	50,478
Storage Withdrawals	12,235	10,201	7,905	13,739	13,587	11,928	13,587	11,928	13,739	13,587	11,928	13,739	13,587	11,928
LNG Withdrawal	2,238	1,259	1,947	2,155	2,175	2,199	2,175	2,199	2,155	2,175	2,199	2,155	2,175	2,199
LNG Purchases	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exchanges with other LDCs	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Gas Supply	67,174	52,932	55,680	66,015	66,059	64,605	66,059	64,605	66,015	66,059	64,605	66,015	66,059	64,605
Total Transportation Services	30,835	28,588	30,895	33,053	34,103	35,185	34,103	35,185	33,053	34,103	35,185	33,053	34,103	35,185
TOTAL GAS SUPPLY AND TRANSPORTATION SERVICE	98,010	81,521	86,575	99,068	100,162	99,791	100,162	99,791	99,068	100,162	99,791	99,068	100,162	99,791
Deductions														
Pipeline: TRANS FUEL	1,323	1,006	1,083	1,178	1,187	1,197	1,187	1,197	1,178	1,187	1,197	1,178	1,187	1,197
Storage: INJ, INJ FUEL, WITHDRAW FUEL, TRANS FUEL	12,733	10,583	8,210	14,188	14,031	12,324	14,031	12,324	14,188	14,031	12,324	14,188	14,031	12,324
LNG: LIQUE, INJ FUEL, TRANS FUEL	2,145	2,327	2,164	2,237	2,238	2,244	2,238	2,244	2,237	2,238	2,244	2,237	2,238	2,244
Sales to other LDC's	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Deductions	16,202	13,916	11,456	17,604	17,456	15,765	17,456	15,765	17,604	17,456	15,765	17,604	17,456	15,765
NET GAS SUPPLY	81,808	67,605	75,118	81,464	82,706	84,026	82,706	84,026	81,464	82,706	84,026	81,464	82,706	84,026
BTU	1,056	1,050	1,037	1,050	1,050	1,050	1,050	1,050	1,050	1,050	1,050	1,050	1,050	1,050

(1) Peak Day is forecasted at a 2 degree temperature.

(2) Current Year Peak Day is forecasted at a 5 degree temperature.

**FORM-IRP-GAS-2B: NATURAL GAS TRANSPORTATION  
REPORTING UTILITY: PHILADELPHIA GAS WORKS  
(volumes in MMcf)**

Index Year Actual Year	Historical Data				Current Year				Three Year Forecast			
	-2 2014-2015		-1 2015-2016		0 2016-2017		1 2017-2018		2 2018-2019		3 2019-2020	
	Annual	Peak	Annual	Peak	Annual	Peak	Annual	Peak	Annual	Peak	Annual	Peak
<b>City Gate Transportation Contracts:</b>												
Transcontinental Transmission Corp.	3,931	59	3,927	59	3,977	59	3,927	59	3,927	59	3,927	59
Texas Eastern Transmission Corp.	2,202	42	2,188	42	2,228	43	2,200	42	2,200	42	2,200	42
Texas Eastern Transmission Corp.	712	20	707	20	-	20	-	20	-	20	-	20
Transcontinental Transmission Corp.	432	5	429	5	437	5	432	5	432	5	432	5
<b>Total</b>	<b>7,277</b>	<b>126</b>	<b>7,251</b>	<b>125</b>	<b>6,641</b>	<b>127</b>	<b>6,559</b>	<b>125</b>	<b>6,559</b>	<b>125</b>	<b>6,559</b>	<b>125</b>
<b>Upstream Transportation Contracts:</b>												
Transcontinental Transmission Corp.	57,486	157	57,588	157	58,151	159	57,431	157	57,431	157	57,588	157
Texas Eastern Transmission Corp.	26,096	71	26,143	71	26,398	72	26,071	71	26,071	71	26,143	71
Texas Eastern Transmission Corp.	8,289	23	8,304	23	8,385	23	8,281	23	8,281	23	8,304	23
Texas Eastern Transmission Corp.	2,540	17	2,537	17	2,569	17	2,537	17	2,537	17	2,537	17
Texas Eastern Transmission Corp.	2,540	17	2,537	17	2,569	17	2,537	17	2,537	17	2,537	17
Transcontinental Transmission Corp.	169	2	169	2	171	2	169	2	169	2	169	2
Texas Eastern Transmission Corp.	1,740	5	1,743	5	1,760	5	1,738	5	1,738	5	1,743	5
<b>Total</b>	<b>98,858</b>	<b>293</b>	<b>99,020</b>	<b>293</b>	<b>100,002</b>	<b>296</b>	<b>98,764</b>	<b>293</b>	<b>98,764</b>	<b>293</b>	<b>99,020</b>	<b>293</b>
<b>Storage-Related Transportation Contracts:</b>												
Dominion Transmission Inc.	8,945	25	8,911	24	9,049	25	8,937	24	8,937	24	8,961	24
Dominion Transmission Inc.	2,710	7	2,715	7	2,741	8	2,707	7	2,707	7	2,715	7
<b>Total</b>	<b>11,655</b>	<b>32</b>	<b>11,625</b>	<b>32</b>	<b>11,790</b>	<b>32</b>	<b>11,644</b>	<b>32</b>	<b>11,644</b>	<b>32</b>	<b>11,676</b>	<b>32</b>

Conversions at 1050 Btu

**FORM-IRP-GAS-2C: NATURAL GAS STORAGE  
REPORTING UTILITY: PHILADELPHIA GAS WORKS  
(volumes in MMcf)**

Index Year Actual year	Historical Data				Three Year Forecast							
	-2 2014-2015		-1 2015-2016		0 2016-2017		1 2017-2018		2 2018-2019		3 2019-2020	
	Annual	Peak	Annual	Peak	Annual	Peak	Annual	Peak	Annual	Peak	Annual	Peak
Transcontinental Transmission Corp.	3,931	59	3,905	59	3,977	59	3,927	59	3,927	59	3,927	59
Dominion Transmission Inc.	3,598	32	3,594	32	3,639	32	3,594	32	3,594	32	3,594	32
Transcontinental Transmission Corp.	3,103	33	3,083	33	3,139	33	3,100	33	3,100	33	3,100	33
Texas Eastern Transmission Corp.	2,368	42	3,594	42	2,395	43	2,365	42	2,365	42	2,365	42
Texas Eastern Transmission Corp.	2,202	20	2,188	20	2,228	20	2,200	20	2,200	20	2,200	20
Transcontinental Transmission Corp.	712	84	707	84	-	5	432	5	432	5	432	5
Transcontinental Transmission Corp.	432	5	429	5	437	5	432	5	432	5	432	5
<b>Total</b>	<b>16,346</b>	<b>275</b>	<b>17,500</b>	<b>274</b>	<b>15,815</b>	<b>192</b>	<b>15,619</b>	<b>190</b>	<b>15,619</b>	<b>190</b>	<b>15,619</b>	<b>190</b>

Forecasted Dth to Mcf Conversions at 1050 BTU.

	Contract Expiration Date <sup>(1)</sup>
Transcontinental Transmission Corp.	3/31/2023
Dominion Transmission Inc.	3/31/2019
Transcontinental Transmission Corp.	10/31/2017
Texas Eastern Transmission Corp.	4/30/2022
Texas Eastern Transmission Corp.	4/30/2022
Transcontinental Transmission Corp. (2)	3/31/2016
Transcontinental Transmission Corp.	4/15/2018

<sup>(1)</sup> For purposes of this report, contracts that are due to expire are assumed renewed for the forecast years.



**BEFORE THE PENNSYLVANIA PUBLIC UTILITY COMMISSION**

**PHILADELPHIA GAS WORKS  
800 WEST MONTGOMERY AVENUE  
PHILADELPHIA, PENNSYLVANIA**

**Annual Resource Planning Summary Report**

**Filed: March 2017**

**Information Submitted in Compliance with and Pursuant to Title 52  
Pennsylvania Code Sections 59.81-59.84**

**PHILADELPHIA GAS WORKS**

**2017 Annual Resource Planning Summary Report**

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## **Introduction**

By Order entered January 11, 1996, the Pennsylvania Public Utility Commission (PUC) adopted final regulations (52 PA Code §§ 59.81 - 59.84) which set forth revised requirements for filing an Annual Resource Planning Report (the Plan). The Plan submitted represents Philadelphia Gas Works' (PGW or the Company) belief that integrated resource planning (IRP) is a workable approach to utility planning.

This plan summary contains historical data and projections for annual, winter and peak day supply to meet projected customer requirements in a least cost manner, while ensuring adequate and reliable service. It is organized into the following five sections:

- I. PGW's Overall Approach to Integrated Resource Planning
- II. Supply Forecasting Methodology and Assumptions
- III. Demand Forecasting Methodology and Assumptions
- IV. Design Day Forecasting Methodology and Assumptions
- V. PGW Corporate Modeling System

## **I. PGW's Overall Approach to Integrated Resource Planning**

### **PGW Optimization Standard for Purchasing and Utilizing Gas Supplies**

As reasonably anticipated PGW intends on meeting its contractual obligations to supply all of its current firm customers in its service territory on the coldest day, throughout the heating season and throughout the year. Projected customer requirements for design day and design winter conditions form the basis for capacity commitments for pipeline supply, storage, and transportation contracting.

Natural gas supplies are purchased under a portfolio approach with PGW intending to secure the lowest overall price consistent with the corporate goals of reliability and security of supply. In addition, consideration is given to maintaining a diversity of sources and types of supply, coupled with contractual and operational flexibility on both a daily and seasonal basis. Short term purchases from spot market sources are utilized to the maximum degree that they are more economical, available, and transportable.

Natural gas supplies are utilized so as to minimize gas costs subject to reliability constraints. Supply contract obligations are honored and prudent Gas Control operational requirements are assumed. Storage gas is drawn down so as to always maintain an inventory level sufficient for the remaining winter in the event that design temperature conditions should occur in the remaining segment of the winter season. Within the above parameters, priority is given to utilizing the most economical sources of supply first within the context of preserving the capability of meeting seasonal and annual demands rather than the momentary daily requirements. All facilities and sources of supply – flowing, storage and LNG – are available to achieve the intended end, namely, minimizing gas costs subject to reliability constraints.

## **II. Supply Forecasting Methodology and Assumptions** **Basic Assumptions**

The PGW Gas Supply Policy Committee comprised of senior corporate management as well as Gas Planning, Gas Control, Gas Supply, and Regulatory departmental management, approved the aforementioned Optimization Standard for Purchasing and Utilizing Gas Supplies (Section I). All natural gas purchases continue to be made in accordance with this standard. Projected sales, revenues and natural gas expenses in this report result from this agreement, particularly in the areas of inventory valuation, priorities of gas selection and interruptible supply availability.

Incorporated into our projections are additional implementation steps involved with developing a cohesive gas supply/demand strategy for the near term and the longer range. These include developing a cost relationship comparison for current resources and a review of current contract terms and alternatives for continuing, extending, modifying or eliminating contracts.

In order to achieve this while maintaining a balance between economics and security of supply, the company uses a portfolio strategy approach. This approach incorporates a menu driven selection of services which allows the company to choose only those specific services necessary to meet its requirements. This is achieved by taking into consideration transportation capacity rights and then sources of supply are contracted to cover the firm transport rights over differing seasonal obligations.

Operating flexibility is sustained by variations in contract stipulations to permit the system to swing on the most economical gas supplies available while maintaining the ability to supply rapidly fluctuating temperature requirements. Storage facilities are substituted wherever opportunity affords to reduce annual expense for flowing 365 day pipeline service without reducing design day and design winter season delivery capability. Direct control of all storage is paramount to permit PGW to minimize winter costs by injecting lower priced purchases and to cycle storage to balance daily take fluctuations to avoid overrun/balancing charges.

## **II. Supply Forecasting Methodology and Assumptions** **Basic Assumptions (Continued)**

PGW's supply strategy incorporates maintaining full current winter day deliverability with regard to transportation capacity but to convert, where possible, to storage rather than winter flowing contracts to enhance financial and operational flexibility. A variety of longer term supply contracts are necessary to support pipeline transportation capacity because reliance upon best effort spot suppliers to fill wintertime supply requirements to meet firm customers' demands has proven to be an unreliable alternative. As a result longer-term contracts are utilized to support firm transportation capacity. To accomplish this end, the Company purchases winter supply contracts with daily deliverability equal to approximately 37% of the contractual daily transportation entitlements on its two interstate pipelines with direct connections to PGW's service territory. Additionally, these supply contracts match the contractual entitlements of the two pipelines by sourcing supply in a manner consistent with the pipeline's upstream contractual requirements. In this way, PGW not only helps ensure the security of supply by sourcing the gas from geographically diverse supply regions but this diversity also allows PGW to take advantage of the pricing basis differential inherent in these supply locations.

These contracts all contain the ability to fix the price for upcoming months as well as to allow the pricing to default to an agreed upon market index when there is no market advantage in fixing a price before the month begins. PGW uses this fixed price option in conjunction with its Gas Cost Rate (GCR) filing (GCR filing includes pricing based upon the NYMEX) by always attempting to buy under the GCR forecasted prices. Through the matching of the duration supply contracts to a seasonal demand, such as the winter operating season, the firm ratepayers benefit from not paying demand charges year-round.

A second component of PGW's supply portfolio or a volume equal to 27% of pipeline capacity, is purchased gas based on the daily midpoint price published in "Platt's Gas Daily". These contracts allow for daily change in volumetric take. This allows the Company to effectively shut-off higher priced supply replacing such supply with daily cheaper spot priced gases. Under assumed normal winter conditions, PGW utilizes WSS storage field in a manner similar to third party supply. Specifically, this storage contract does not contain transportation to the PGW city gate. Therefore, these storages must flow within

**II. Supply Forecasting Methodology and Assumptions**  
**Basic Assumptions (Continued)**

PGW's contractual upstream capacity rights on TGPL. Delivery from these fields utilizes approximately 8% of the daily TETCO and TGPL capacity rights to the Philadelphia city gates. These storage fields also act as a physical fixed price to counter winter price conditions since the WACOG usually reflects a winter/summer pricing differential. Additionally, PGW purchases 18% of its supply using day purchases as needed. PGW's summer purchasing strategy also incorporates a portfolio approach to the purchase of system supply and storage refill. The GCR filing is again used as a yardstick in purchasing supply for both system supply and storage refill. PGW attempts to always purchase a portion of its supply needs below the projected GCR cost estimate with a portion of the portfolio purchased at default, first-of-the-month pricing. These first of the month pricing option contracts, in most instances, allow PGW to evaluate daily spot prices and provide for a turn-off of first-of-the-month index priced supply in favor of the purchase of more advantageous daily spot purchases.

Operating conditions permitting, the Company enters into the FERC approved capacity release market to offset demand charges it pays for its firm transportation and the incremental off-systems sales market when it is economically advantageous for the firm ratepayer. In both instances, these opportunities are sought only when firm customer needs are satisfied. Additionally, PGW's bundled storages and LNG can be utilized as a substitute for higher price gas supply based on market pricing conditions and the results of PGW's status report. Effectively, the Gas Supply Group is at all times studying the market for any economic advantage it can bring to the firm ratepayer.

### **III. Demand Forecasting Methodology and Assumptions** **Basic Assumptions**

PGW uses a combination of four basic methods to develop demand projections. They are:

- 1) Historical Data -- data showing long-term demand trends, conservation and utilization patterns by the various classes of customers -- Residential, Commercial, Industrial and Interruptible.
- 2) Customer Survey -- Information as gathered by PGW's Marketing Department and used for annual projections by month and year.
- 3) Relative End Use -- Projections via Marketing methods of customer load sizing by appliance type, maximum input, maximum summer and winter full load hour (FLH) calculations which are used to develop yearly and monthly demand requirements.
- 4) Judgment -- Experienced opinion as applied to the evaluation of the combination of all data to develop the basic demand requirements.

#### **Customer Demand**

The total system-wide demand is a function of the projected gas demand per customer and the anticipated number of customers in each class. In determining customer demand, consideration is given to projecting current customer usage, augmented by significant gains or losses in each of numerous homogeneous groups for the period being projected. The Gas Planning Department attempts to determine for each customer class, the level of demand relating to experienced temperatures and the component of demand that is apparently not affected by changes in temperature. Within each class the most recent summer and winter usage patterns are established from historical records. Summer data provides an insight into each class of customers' non-temperature sensitive load requirements or baseload which can be expressed in terms of thousands of cubic feet (Mcf) per day, per customer. Similarly, winter data after removal of the daily baseload level provides the temperature sensitive load requirements for each class of customer.

This usage primarily reflects space heating but also includes such other temperature sensitive needs as water heating attributable to colder ground water inlet temperatures and similar process variations. This overall heating requirement can be expressed in terms of the cubic feet of gas



### **III. Demand Forecasting Methodology and Assumptions** **Basic Assumptions (Continued)**

utilized per degree of temperature change on a per customer basis for each separate customer classification.

In addition, consideration must be given to the variation of customer utilization patterns for space heating over the year, recognizing the transitional fall start-up of heaters, the deep winter period needs and the tapering off and shut-down which occurs in the spring. These usage patterns taken in conjunction with anticipated customer counts and appropriate temperature patterns form the basis of determining class and total system demands. Due to the inconsistencies of weather and weather forecasting techniques, no attempt is made to predict the specific daily temperatures of the projection period. Instead PGW has developed a normal monthly temperature pattern by analyzing statistical records of actual temperature patterns over a 10-year period. This pattern reflects 3,855 degree-days annually distributed in a stylized pattern preserving the monthly range of colder to warmer daily temperatures experienced in the January to May period and warmer to colder daily temperatures in the September to December period.

The term "degree days" quantifies the number of degrees of temperature below a base level of 65 degrees Fahrenheit and is used as a tool to measure space heating requirements, i.e. on a day experiencing an average temperature of 40 degrees F. there would be 25 degree days. The annual 3,855 degree days which is composed of the PGW normal monthly temperature patterns, form the basis of the calculation of the temperature sensitive component of demand. The application of the above described baseload, space heating factors and customer counts, when applied to a calendar based daily temperature pattern, produce a daily calculation of total customer requirements identified as sendout. It should be noted that there is a difference between sendout volume and sales volume. Sendout represents those volumes metered at the city gate to supply customers' requirements while sales are those volumes registered on customer meters. The variation between sendout and sales, after adjustments, is that portion which is lost and unaccounted for in the PGW distribution system.

### **III. Demand Forecasting Methodology and Assumptions** **Basic Assumptions (Continued)**

Sales and sendout differ on a monthly basis in the degree day distribution pattern. For efficiency, meter reading and billing efforts are distributed uniformly over the available number of working days in a month and the majority of PGW customers are divided into 20 individual groups or cycles containing residential, commercial and industrial accounts within a specific geographic area. When these cycle customers are billed each month they reflect meter reading usage not for the calendar month being billed, but for the number of days and temperature pattern of degree-days experienced during their specific interval between meter readings. For example, assume the month of January contained 900 calendar degree-days. The customers in cycle 10 being billed for the month of January might have had meter readings taken on December 15 and again on January 17. Sales billed and reported in the company records for these customers would reflect the number of days and degree days between these reading dates rather than the 900 degree days of the month. Similarly, cycle 1 customers that might have had meter readings taken on December 1 and January 2 would reflect principally the month of December temperature experience, whereas, cycle 20 customers with meter readings taken possibly December 28 and January 29 would reflect principally the month of January temperature experience.

An average of the 20 cycles (Average Cycle Degree-Days) is used as the temperature pattern upon which to project the volume of sales in the forecast period. Both projections of sales and sendouts represent the full demand for that period from both firm and interruptible customers.

#### **Methodology Used to Develop Monthly Estimates**

A trial domestic factor is developed by classes of customers from sales reported for the summer months in the previous year. This average factor is then utilized in the sendout formula with the customer counts for the months of July, August and September. A comparison between what the formula calculates and the actual experienced for those three months is ascertained and the trial

### **III. Demand Forecasting Methodology and Assumptions** **Basic Assumptions (Continued)**

domestic (baseload) factors are finalized to replicate the total sendout experienced. The finalized domestic factors (DOMs) are then utilized in conjunction with the actual sales and customer counts for the months of December, January and February to determine the average Mcf per degree day for each of the individual months for the remaining temperature sensitive load. The results are weighted by degree-days to give an average value which is utilized as a trial value for the heating factor.

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

To project the number of customers for each individual rate class, each rate class of customers are reviewed and accumulated individually. Current customers are ascertained from the number of billings data available from sales and revenue actually experienced immediately prior to the commencement of a model run. Declines are projected for anticipated losses to electric and other fuels, demolitions and transfers to other rates. Direct transfers from a non-heating to a heating account, as a result of a current customer's conversion to gas heat, moves the domestic load to the new category. Projected additional customers are developed by the Marketing Department where staff dealing with individual classes of customers and having the most direct knowledge of conditions within their expertise, project annual load additions which are translated into customer counts based upon typical customer usage for that individual customer class. The approximate month of turn-on is also developed to permit reflection of the effective portion of the load addition within the fiscal period under study. Interruptible class customers as well as other large special accounts are detailed individually incorporating expected gains and losses as direct contact and experience has indicated.

**III. Demand Forecasting Methodology and Assumptions**  
**Basic Assumptions (Continued)**

The base revenue projections for both firm and interruptible customer groups are derived as the product of the projected sales volumes and the present tariff rate for each individual customer class within each group. The GCR revenue projections are derived as the product of the GCR factor and the projected sales volumes to the firm GCR customers.

#### **IV. Design Day and Design Hour Forecasting Methodology and Assumptions**

Each year a six year estimate of Design Day and Design Hour requirements anticipated under design day and design hour operating conditions is prepared to ensure that adequate resources are under contract and to further ensure that PGW can fulfill its supply obligation for its firm customer requirements on a design day and design hour.

The projected demands for design day are developed utilizing previous winter periods data for all weekdays where the temperature average for the day is 32 degrees Fahrenheit or below. The total sendout for these days as recorded under actual conditions and is reduced to firm sendout by removal of the interruptible load. A computer generated linear regression procedure is utilized to develop a sendout model from actual daily sendouts and degree days, and the process is repeated in a quadratic regression and a cubic regression procedure. From the predicted sendouts in the regression, which are within a reasonable percent of error to the actual sendout, factors are derived to replicate the actual sendouts. The factors derived from this are used to determine the current load requirements for a 0 degrees F day and from this data, the load for a -5 degrees F hour is calculated. PGW's Marketing Department's load projections for present and future years are then applied to these requirements to develop design day and design hour present and future load requirements. This is achieved by the addition of the projected marketing load growth on an annual basis (by day) to the derived base-year design day requirements.

## **V. PGW Corporate Modeling System**

### **General Description**

The corporate modeling system is a tool used by PGW management to project sales, revenues and expenses, as well as to examine key planning strategies and evaluate their effects on company operations. The system provides the ability to determine the results of alternate plans and scenarios, while at the same time allowing for responses to "what if" type situations quantifying revenue and expenses. The system combines the power of the computer with the experience of management to develop both short and long range projections based upon experienced historical data for sales and sendout volumes, raw material expenses and revenues. The corporate model system is composed of five separate parts. Each part operates independently but requires substantial external data inputs as well as data output results from one or more of the other parts in the system.

### **Gas Demand Model**

The gas demand model is used to forecast total requirements for gas based upon current customer usage experience with adjustments for projected gains and losses. Input data includes domestic and space heating usage factors, customer counts by rate classifications, temperature patterns and results in projections of sales and sendout volumes. Detail and summary reports include sales and sendout by rate classification. This data is then used by the Gas Supply Model.

### **Gas Supply Model**

The supply model is used to dispatch the various supply sources in accordance with contract availability limitations. It develops the necessary balance between supply and demand which reflects plant fuel and storage injection requirements as well as customer demands by identifying the availability of interruptible load balancing sales. Detail and summary reports include daily and monthly load requirements, the volumes taken from each source by pipeline contract, storage balances, LNG requirements, etc.

## **V. PGW Corporate Modeling System (Continued)**

This model is also used to determine natural gas and other raw material costs dispatched. The model tracks the various cost components of each contract - the demand, capacity, commodity, injection and withdrawal charges - providing monthly and annual details and summary information including inventory valuations and expenses for supplemental LNG supplies. This data is then used by the Gas Cost Rate Model.

### **Gas Cost Rate Model**

The gas cost rate model is used to develop the GCR. This model in conjunction with the gas supply model ascribes responsibility for the raw material costs to firm rate classes in accordance with PGW's tariff requirements, and compensates for the Interruptible Revenue Credit, interest, gas transportation Supplier Storage Peaking and migration charges and the previous over or under billing of fuel expenses. The GCR is then used by the Revenue Model.

### **Revenue Model**

The revenue model is used to project billed revenue by rate classification in accordance with PGW's rate tariffs. It prepares the net billed revenue, GCR revenues, senior citizen discounts, and cycle billing information all detailed by rate classification. The detail and summary reports provided by this model are directed to the accounting and financial departments for inclusion in various financial reviews.

### **Summary**

The corporate modeling system allows PGW management to effectively address supply/demand balancing, supply facilities planning, projected sales, cost, revenues, and sendout volumes. Results assist in the development of PGW's annual Operating Budget, setting of the GCR and planning of supply resources.

**V. PGW Corporate Modeling System (Continued)**

The model also provides a Status Report for the evaluation of remaining winter period requirements on both normal and design temperature patterns and the extrapolation of the current year based upon the experience to date and an assumption of temperatures anticipated for the remaining period of the year, this latter acting as a guide for both financial cash flow planning and winter operations.



**Tab 5**

**Philadelphia Gas Works**

Pennsylvania Public Utility Commission  
52 Pa. Code §53.61, et seq.

**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) as utility seeking recovery of purchased as 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:

**53.64(c)(6)** Each Section 1307 (f) utility shall file with the Commission a statement of its current fuel procurement practices, detailed information concerning, the staffing and expertise of its fuel procurement personnel, a discussion of its methodology for obtaining a least cost and reliable source of as supply, including a discussion of any methodologies, assumptions, models or rules of thumb employed in selecting its gas supply, transportation and storage mix, its loss prevention strategy in the event of fraud, nonperformance or interruption of performance, its participation in capacity release and reallocation programs, the impact, if any, upon least cost fuel procurement by constraints imposed by local transportation end users, interruptible service, balancing, storage and dispatching, options, and its strategy for improving its fuel procurement practices in the future and timetable for implementing these changes.

**Response:**

**I. Current Strategy**

PGW's current strategy for meeting the system's supply requirements is to use a portfolio approach in both contract structures and pricing. The Company's supply portfolio is split into four distinct categories. First, the Company enters into winter-only supply contracts. These winter-only supply arrangements provide gas supply that fills approximately thirty-seven percent (37%) of PGW's daily firm transportation entitlements on both Spectra Energy Gas Transmission (formerly Duke Energy Gas Transmission) and Williams Gas Pipeline.

**Item 53.64(c)(6) continued**

The Enbridge Energy and Williams pipelines represent the only interstate pipeline facilities with physical connections to the PGW service territory. These supply contracts also recognize pipeline receipt and delivery rights. By sourcing supply in this manner, PGW not only ensures security of supply from the pipelines, but also can take advantage of varying basis differentiated pricing in the market. These contracts all contain the ability to set the price for upcoming months or to have the pricing default to an agreed upon market index. Second, an additional twenty-seven percent (27 %) is priced at the “gas daily mid-point” for each day of usage. These contracts allow for daily changes in volume. The operational flexibility of these contracts allows the company to increase or decrease gas supply to meet variations in send out requirements. Third, the company utilizes one (1) pipeline storage service as an additional source of supply. This storage service does not contain bundled transportation, and therefore, is moved to the city gates within PGW's firm interstate pipeline capacity. This service represents eight percent (8 %) of supply at a fixed price. Additionally, the company purchases eighteen percent (18%) of its supply using day purchases as needed. The company will again attempt to release capacity for year periods totaling 33,000 dekatherms, as it did last year; if this proves less economic for the ratepayer, the company will release these capacities for the winter and summer season separately. These capacity releases are with twenty-four hour recall rights in their terms and conditions. They are split between the two interstate pipelines that service PGW. If the need would arise to recall this capacity, PGW would do so and use its unbundled storage to fill the TGPL portion (10,000 dekatherms) and depend on market-based prices to fill the TETCO portion (23,000 dekatherms). The Company also releases firm capacity to its firm choice suppliers on a monthly basis based upon their firm pool size.

Additionally, PGW utilizes bundled storage and LNG to meet operational requirements and to accomplish other cost saving initiatives. Specifically, once design winter sendout requirements are ensured of being met, the company may utilize bundled storage and LNG inventories to displace higher priced supply based on the current market conditions. PGW uses a portfolio approach to address system supply and storage refill in the traditional non-peak season. The Gas Supply area uses the GCR filing as a template in an attempt to purchase gas volumes for both system supply and storage refill below the projected cost, when possible. However, some proportion of the supply will always be subject to spot market pricing, either daily or monthly, due to the constant need to purchase gas to meet sendout variations that are inherent in a residential firm heating load. PGW seeks to recoup demand charges for its firm transportation through the FERC-approved capacity release mechanisms.

The company also enters into the incremental off systems sales market to generate additional revenue when it is economically advantageous to do so. At all times, the company is studying the market for any economic advantage that can be derived in support of the firm ratepayer.

## **Item 53.64(c) (6) continued**

### **II. Overview of Gas Supply Section**

The Gas Supply Section of Gas Management is comprised of four departments: Gas Supply, Gas Transportation, Gas Accounting and Gas Control. The Gas Supply Section is responsible for ensuring that there is an adequate supply of natural gas available at all times to meet the requirements of PGW's over 490,000 firm customers. The Gas Supply Section accomplishes this through continuous interaction with various departments within PGW.

The staff of the Gas Supply Section is expected to maintain an in-depth working knowledge of all facets of the natural gas supply markets. The staff members of the four departments are required to maintain a working knowledge of PGW's natural gas contracts and facilities for the purpose of ensuring the safe and efficient operation of the distribution system, in accordance with company procedures, and in compliance with federal, state, and local regulations.

### **III. Organization and Staffing**

**Director of Gas Transportation and Gas Control:** This person has over a twenty-five year history in the supply area and a seven-year history in gas control. This individual has a BA as well as having a background in natural gas accounting, allocation and confirmation experience under the first stages of FERC Order 636, and its effect on supply portfolio management.

This individual and the staffs of the departments that report to him interact continuously and provide 24/7 coverage in all situations pertaining to the gas supply portfolio and operation of the natural gas facilities. This is done in conjunction with the Gas Supply Committee, as well as everyday meetings with the VP of Gas Management and the other direct reports of the VP of Gas Management. The following departments report directly to this individual: Gas Supply, Gas Control, Gas Accounting, and Gas Transportation.

**Administrator, Gas Supply:** this person has over eleven years of experience in the gas supply area. This individual has a MBA and BBA in addition to having an extensive background in the area of gas purchasing. Reporting to this individual are the gas accountants, gas coordinators and gas buyers.

**Manager, Gas Control:** This person has over nineteen years in the supply area, is responsible for the day-today management of the city distribution grid and daily confirmation of each day's gas volumes. He supervises the gas control department on a 24/7 basis. The manager has a BS degree and extensive experience in the Distribution Department's network analysis area, as well as post graduate courses in computer science.

**Tab 6**

**Philadelphia Gas Works**

Pennsylvania Public Utility Commission  
52 Pa. Code §53.61, et seq.

**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:

- (7) A list of off-system sales, including transportation, storage, or capacity releases by the utility at less than the weighted average price of gas, or at less than the original contract cost of transportation, storage, or capacity supplied to the utility for its own customers.

**Response:**

The attached schedules list off system sales, capacity release, and asset management for the period of January 1, 2017 to December 31, 2017.

Schedule 1 – reflects all off system sales margins for the period January 1, 2017 to December 31, 2017.

Schedule 2 – would reflect any off system sales transactions, which were done at less than the weighted average cost of gas. The schedule is blank because none of the deals match the criteria.

Schedule 3 – illustrates all capacity release deals.

Schedule 4 - would reflect any individual capacity release transactions, which were done at less than the weighted average cost of capacity.

**Schedule 1**  
**Item 53.64(C)(7)**

**Philadelphia Gas Works**  
**Pennsylvania Public Utilities Commission**  
**52 Pa. Code §53.61, et seq.**  
**For the Twelve Months Ending December 31, 2017**

<b>Off-System Sales</b>			
<b>MONTH</b>	<b>Total Revenue</b>	<b>Ratepayer Margin</b>	<b>Total Credit</b>
Jan-17	\$0	\$0	\$0
Feb-17	\$0	\$0	\$0
Mar-17	\$0	\$0	\$0
Apr-17	\$0	\$0	\$0
May-17	\$0	\$0	\$0
Jun-17	\$0	\$0	\$0
Jul-17	\$0	\$0	\$0
Aug-17	\$0	\$0	\$0
Sep-17	\$0	\$0	\$0
Oct-17	\$0	\$0	\$0
Nov-17	\$0	\$0	\$0
Dec-17	\$0	\$0	\$0

**Off System Sale Profits Per WACOG Worksheet**

PGW had no off system sales, which were not less than the weighted average cost of gas.



**Schedule 3  
Item 53.64(C)(7)**

**Philadelphia Gas Works  
Pennsylvania Public Utilities Commission  
52 Pa. Code §53.61, et seq.  
For the Twelve Months Ending December 31, 2017**

MONTH	Capacity Release			
	Total		Total	
	TGPL Credits		TETCO Credits	Total Credits
Jan-17	\$ 231,711	\$ 356,325	\$ 588,036	
Feb-17	\$ 207,727	\$ 322,199	\$ 529,926	
Mar-17	\$ 255,589	\$ 380,754	\$ 636,343	
Apr-17	\$ 164,104	\$ 167,552	\$ 331,656	
May-17	\$ 177,887	\$ 297,463	\$ 475,350	
Jun-17	\$ 180,024	\$ 280,646	\$ 460,670	
Jul-17	\$ 191,885	\$ 272,038	\$ 463,923	
Aug-17	\$ 204,202	\$ 362,235	\$ 566,437	
Sep-17	\$ 184,042	\$ 298,710	\$ 482,752	
Oct-17	\$ 202,386	\$ 245,245	\$ 447,631	
Nov-17	\$ 544,152	\$ 686,128	\$ 1,230,280	
Dec-17	\$ 560,721	\$ 787,016	\$ 1,347,737	
<b>TOTAL</b>	<b>\$ 3,104,430</b>	<b>\$ 4,456,311</b>	<b>\$ 7,560,741</b>	

M / YR	PIPELINE	PATH	RECALL STATUS	MONTHLY VOLUME DTH	TOTAL MONTHLY CREDIT	CREDIT DTH	TOTAL CREDIT	REPLACEMENT SHIPPER	
January-17	TETCO	ELA - M-3	Y	11,594	\$ 4,998.18	\$ 0.4311	\$ 4,998.18	Sprague	
	TETCO	ELA - M-3	Y	103,540	\$ 44,636.09	\$ 0.4311	\$ 44,636.09	CNE	
	TETCO	ELA - M-3	Y	1,178	\$ 507.83	\$ 0.4311	\$ 507.83	WGL Energy	
	TETCO	ELA - M-3	Y	3,720	\$ 1,603.69	\$ 0.4311	\$ 1,603.69	South Jersey	
	TETCO	ELA - M-3	Y	99,541	\$ 42,912.11	\$ 0.4311	\$ 42,912.11	Direct Energy	
	TETCO	ELA - M-3	Y	76,136	\$ 32,822.23	\$ 0.4311	\$ 32,822.23	UGI Energy Services	
	TETCO	ELA - M-3	Y	8,308	\$ 3,581.57	\$ 0.4311	\$ 3,581.57	CIMA	
	TETCO	M-3 - M-3	Y	160,208	\$ 64,083.20	\$ 0.4000	\$ 64,083.20	Consolidated Edison	
	TETCO	M-3 - M-3	Y	486,948	\$ 161,179.79	\$ 0.3310	\$ 161,179.79	UGI Energy Services	
				<u>951,173</u>			\$ 356,324.69		
		TRANSCO	3-6	Y	1,178	\$ 542.81	\$ 0.46079	\$ 542.81	WGL Energy
		TRANSCO	3-6	Y	7,502	\$ 3,455.88	\$ 0.46066	\$ 3,455.88	South Jersey
		TRANSCO	3-6	Y	8,339	\$ 3,841.52	\$ 0.46067	\$ 3,841.52	CIMA
		TRANSCO	3-6	Y	11,594	\$ 5,341.30	\$ 0.46070	\$ 5,341.30	Sprague
		TRANSCO	3-6	Y	76,136	\$ 35,074.33	\$ 0.46068	\$ 35,074.33	UGI Energy Services
	TRANSCO	3-6	Y	99,541	\$ 45,856.44	\$ 0.46068	\$ 45,856.44	Direct Energy	
	TRANSCO	3-6	Y	103,540	\$ 47,698.77	\$ 0.46068	\$ 47,698.77	CNE	
	TRANSCO	3-6	Y	310,000	\$ 89,900.00	\$ 0.29000	\$ 89,900.00	Consolidated Edison	
			<u>617,830</u>			\$ 231,711.05			
February-17	TETCO	ELA - M-3	Y	1,064	\$ 460.07	\$ 0.4324	\$ 460.07	WGL Energy	
	TETCO	ELA - M-3	Y	7,504	\$ 3,244.73	\$ 0.4324	\$ 3,244.73	CIMA	
	TETCO	ELA - M-3	Y	3,360	\$ 1,452.87	\$ 0.4324	\$ 1,452.87	South Jersey	
	TETCO	ELA - M-3	Y	89,908	\$ 38,876.22	\$ 0.4324	\$ 38,876.22	Direct Energy	
	TETCO	ELA - M-3	Y	68,768	\$ 29,735.28	\$ 0.4324	\$ 29,735.28	UGI Energy Services	
	TETCO	ELA - M-3	Y	93,520	\$ 40,438.04	\$ 0.4324	\$ 40,438.04	CNE	
	TETCO	ELA - M-3	Y	10,472	\$ 4,528.09	\$ 0.4324	\$ 4,528.09	Sprague	
	TETCO	M-3 - M-3	Y	144,704	\$ 57,881.60	\$ 0.4000	\$ 57,881.60	Consolidated Edison	
	TETCO	M-3 - M-3	Y	439,824	\$ 145,581.74	\$ 0.3310	\$ 145,581.74	UGI Energy Services	
				<u>859,124</u>			\$ 322,198.64		
		TRANSCO	3-6	Y	1,064	\$ 490.28	\$ 0.46079	\$ 490.28	WGL Energy
		TRANSCO	3-6	Y	3,388	\$ 1,560.72	\$ 0.46066	\$ 1,560.72	South Jersey
		TRANSCO	3-6	Y	7,532	\$ 3,469.76	\$ 0.46067	\$ 3,469.76	CIMA
		TRANSCO	3-6	Y	10,472	\$ 4,824.40	\$ 0.46070	\$ 4,824.40	Sprague
		TRANSCO	3-6	Y	68,768	\$ 31,680.04	\$ 0.46068	\$ 31,680.04	UGI Energy Services
	TRANSCO	3-6	Y	89,908	\$ 41,418.72	\$ 0.46068	\$ 41,418.72	Direct Energy	
	TRANSCO	3-6	Y	93,520	\$ 43,082.76	\$ 0.46068	\$ 43,082.76	CNE	
	TRANSCO	3-6	Y	280,000	\$ 81,200.00	\$ 0.29000	\$ 81,200.00	Consolidated Edison	
			<u>554,652</u>			\$ 207,726.68			
March-17	TETCO	ELA - M-3	Y	17,670	\$ 7,640.51	\$ 0.4324	\$ 7,640.51	Sprague	
	TETCO	ELA - M-3	Y	101,184	\$ 43,751.96	\$ 0.4324	\$ 43,751.96	Direct Energy	
	TETCO	ELA - M-3	Y	91,388	\$ 39,516.17	\$ 0.4324	\$ 39,516.17	UGI Energy Services	
	TETCO	ELA - M-3	Y	6,541	\$ 2,828.33	\$ 0.4324	\$ 2,828.33	CIMA	
	TETCO	ELA - M-3	Y	248	\$ 107.23	\$ 0.4324	\$ 107.23	Energy Plus	
	TETCO	ELA - M-3	Y	1,178	\$ 509.37	\$ 0.4324	\$ 509.37	WGL Energy	
	TETCO	ELA - M-3	Y	5,394	\$ 2,332.37	\$ 0.4324	\$ 2,332.37	South Jersey	
	TETCO	ELA - M-3	Y	135,997	\$ 58,805.09	\$ 0.4324	\$ 58,805.09	CNE	
	TETCO	M-3 - M-3	Y	160,208	\$ 64,083.20	\$ 0.4000	\$ 64,083.20	Consolidated Edison	
	TETCO	M-3 - M-3	Y	486,948	\$ 161,179.79	\$ 0.3310	\$ 161,179.79	UGI Energy Services	
				<u>1,006,756</u>			\$ 380,754.02		
		TRANSCO	3-6	Y	248	\$ 114.39	\$ 0.46125	\$ 114.39	Energy Plus
		TRANSCO	3-6	Y	1,178	\$ 542.81	\$ 0.46079	\$ 542.81	WGL Energy
		TRANSCO	3-6	Y	5,394	\$ 2,484.96	\$ 0.46069	\$ 2,484.96	South Jersey
		TRANSCO	3-6	Y	6,541	\$ 3,013.20	\$ 0.46066	\$ 3,013.20	CIMA
	TRANSCO	3-6	Y	17,670	\$ 8,140.29	\$ 0.46068	\$ 8,140.29	Sprague	
	TRANSCO	3-6	Y	91,419	\$ 42,115.05	\$ 0.46068	\$ 42,115.05	UGI Energy Services	
	TRANSCO	3-6	Y	101,215	\$ 46,627.72	\$ 0.46068	\$ 46,627.72	Direct Energy	
	TRANSCO	3-6	Y	135,997	\$ 62,651.00	\$ 0.46068	\$ 62,651.00	CNE	
	TRANSCO	3-6	Y	310,000	\$ 89,900.00	\$ 0.29000	\$ 89,900.00	Consolidated Edison	
			<u>669,662</u>			\$ 255,589.42			

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April-17	TETCO	ELA - M-3	Y	97,140	\$	42,003.33	\$	0.4324	\$	42,003.33	Direct Energy
	TETCO	ELA - M-3	Y	1,470	\$	635.63	\$	0.4324	\$	635.63	WGL Energy
	TETCO	ELA - M-3	Y	131,760	\$	56,973.03	\$	0.4324	\$	56,973.03	CNE
	TETCO	ELA - M-3	Y	180	\$	77.84	\$	0.4324	\$	77.84	Energy Plus
	TETCO	ELA - M-3	Y	5,910	\$	2,555.48	\$	0.4324	\$	2,555.48	CIMA
	TETCO	ELA - M-3	Y	5,310	\$	2,296.04	\$	0.4324	\$	2,296.04	South Jersey
	TETCO	ELA - M-3	Y	17,070	\$	7,381.07	\$	0.4324	\$	7,381.07	Sprague
	TETCO	ELA - M-3	Y	88,440	\$	38,241.45	\$	0.4324	\$	38,241.45	UGI Energy Services
	TETCO	M-3 - M-3	Y	540,000	\$	17,388.00	\$	0.0322	\$	17,388.00	Colonial Energy
				887,280					\$	167,551.87	

PIPELINE	PATH	RECALL STATUS	MONTHLY VOLUME DTH	TOTAL MONTHLY CREDIT	CREDIT DTH	TOTAL CREDIT	
TRANSCO	3-6	Y	180	\$ 82.80	\$ 0.46000	\$ 82.80	Energy Plus
TRANSCO	3-6	Y	1,500	\$ 691.20	\$ 0.46080	\$ 691.20	WGL Energy
TRANSCO	3-6	Y	5,310	\$ 2,446.20	\$ 0.46068	\$ 2,446.20	South Jersey
TRANSCO	3-6	Y	5,910	\$ 2,722.50	\$ 0.46066	\$ 2,722.50	CIMA
TRANSCO	3-6	Y	17,100	\$ 7,877.40	\$ 0.46067	\$ 7,877.40	Sprague
TRANSCO	3-6	Y	88,470	\$ 40,756.50	\$ 0.46068	\$ 40,756.50	UGI Energy Services
TRANSCO	3-6	Y	97,170	\$ 44,764.50	\$ 0.46068	\$ 44,764.50	Direct Energy
TRANSCO	3-6	Y	131,790	\$ 60,713.10	\$ 0.46068	\$ 60,713.10	CNE
TRANSCO	3-6	Y	300,000	\$ 4,050.00	\$ 0.01350	\$ 4,050.00	Colonial Energy
			647,430			\$ 164,104.20	

May-17	TETCO	ELA - M-3	Y	1,519	\$	653.16	\$	0.4300	\$	653.16	WGL Energy
	TETCO	ELA - M-3	Y	97,867	\$	42,082.81	\$	0.4300	\$	42,082.81	Direct Energy
	TETCO	ELA - M-3	Y	186	\$	79.98	\$	0.4300	\$	79.98	Energy Plus
	TETCO	ELA - M-3	Y	17,639	\$	7,584.77	\$	0.4300	\$	7,584.77	Sprague
	TETCO	ELA - M-3	Y	3,193	\$	1,373.00	\$	0.4300	\$	1,373.00	South Jersey
	TETCO	ELA - M-3	Y	88,598	\$	38,097.14	\$	0.4300	\$	38,097.14	UGI Energy Services
	TETCO	ELA - M-3	Y	6,200	\$	2,666.00	\$	0.4300	\$	2,666.00	CIMA
	TETCO	ELA - M-3	Y	138,911	\$	59,731.73	\$	0.4300	\$	59,731.73	CNE
	TETCO	M-3 - M-3	Y	486,948	\$	25,223.91	\$	0.0518	\$	25,223.91	Spotlight Energy
	TETCO	WLA - M-3	Y	558,000	\$	59,985.04	\$	0.1075	\$	59,985.04	Grays Ferry
	TETCO	WLA - M-3	Y	558,000	\$	59,985.04	\$	0.1075	\$	59,985.04	Grays Ferry
				1,957,061					\$	297,462.58	

TRANSCO	3-6	Y	217	\$ 100.13	\$ 0.46143	\$ 100.13	Energy Plus
TRANSCO	3-6	Y	1,550	\$ 714.24	\$ 0.46080	\$ 714.24	WGL Energy
TRANSCO	3-6	Y	3,193	\$ 1,470.95	\$ 0.46068	\$ 1,470.95	South Jersey
TRANSCO	3-6	Y	6,200	\$ 2,856.03	\$ 0.46065	\$ 2,856.03	CIMA
TRANSCO	3-6	Y	17,639	\$ 8,126.03	\$ 0.46069	\$ 8,126.03	Sprague
TRANSCO	3-6	Y	88,598	\$ 40,815.22	\$ 0.46068	\$ 40,815.22	UGI Energy Services
TRANSCO	3-6	Y	97,867	\$ 45,085.47	\$ 0.46068	\$ 45,085.47	Direct Energy
TRANSCO	3-6	Y	138,911	\$ 63,993.61	\$ 0.46068	\$ 63,993.61	CNE
TRANSCO	3-6	Y	310,000	\$ 4,185.00	\$ 0.01350	\$ 4,185.00	Colonial Energy
TRANSCO	3-6	Y	310,000	\$ 6,820.00	\$ 0.02200	\$ 6,820.00	Green Plains
TRANSCO	3-6	Y	310,000	\$ 3,720.00	\$ 0.01200	\$ 3,720.00	Spotlight Energy
			1,284,175			\$ 177,886.68	

June-17	TETCO	ELA - M-3	Y	6,930	\$	2,979.90	\$	0.4300	\$	2,979.90	CIMA
	TETCO	ELA - M-3	Y	1,470	\$	632.10	\$	0.4300	\$	632.10	WGL Energy
	TETCO	ELA - M-3	Y	17,070	\$	7,340.10	\$	0.4300	\$	7,340.10	Sprague
	TETCO	ELA - M-3	Y	93,120	\$	40,041.59	\$	0.4300	\$	40,041.59	Direct Energy
	TETCO	ELA - M-3	Y	86,760	\$	37,306.80	\$	0.4300	\$	37,306.80	UGI Energy Services
	TETCO	ELA - M-3	Y	3,090	\$	1,328.71	\$	0.4300	\$	1,328.71	South Jersey
	TETCO	ELA - M-3	Y	240	\$	103.20	\$	0.4300	\$	103.20	Energy Plus
	TETCO	ELA - M-3	Y	137,310	\$	59,043.29	\$	0.4300	\$	59,043.29	CNE
	TETCO	M-3 - M-3	Y	471,240	\$	24,410.23	\$	0.0518	\$	24,410.23	Spotlight Energy
	TETCO	WLA - M-3	Y	540,000	\$	53,730.08	\$	0.0995	\$	53,730.08	Grays Ferry
	TETCO	WLA - M-3	Y	540,000	\$	53,730.08	\$	0.0995	\$	53,730.08	Grays Ferry
				1,897,230					\$	280,646.08	

	PIPELINE	PATH	RECALL STATUS	MONTHLY VOLUME DTH	TOTAL MONTHLY CREDIT	CREDIT DTH	TOTAL CREDIT	
	TRANSCO	3-6	Y	270	\$ 124.50	\$ 0.46111	\$ 124.50	Energy Plus
	TRANSCO	3-6	Y	1,500	\$ 691.20	\$ 0.46080	\$ 691.20	WGL Energy
	TRANSCO	3-6	Y	3,090	\$ 1,423.50	\$ 0.46068	\$ 1,423.50	South Jersey
	TRANSCO	3-6	Y	6,960	\$ 3,206.40	\$ 0.46069	\$ 3,206.40	CIMA
	TRANSCO	3-6	Y	17,100	\$ 7,877.40	\$ 0.46067	\$ 7,877.40	Sprague
	TRANSCO	3-6	Y	86,790	\$ 39,982.50	\$ 0.46068	\$ 39,982.50	UGI Energy Services
	TRANSCO	3-6	Y	93,120	\$ 42,898.50	\$ 0.46068	\$ 42,898.50	Direct Energy
	TRANSCO	3-6	Y	137,340	\$ 63,270.00	\$ 0.46068	\$ 63,270.00	CNE
	TRANSCO	3-6	Y	300,000	\$ 4,050.00	\$ 0.01350	\$ 4,050.00	Colonial Energy
	TRANSCO	3-6	Y	300,000	\$ 6,600.00	\$ 0.02200	\$ 6,600.00	Green Plains
	TRANSCO	3-6	Y	300,000	\$ 3,600.00	\$ 0.01200	\$ 3,600.00	Spotlight Energy
	TRANSCO	3-6	Y	300,000	\$ 6,300.00	\$ 0.02100	\$ 6,300.00	Tenaska
				<u>1,546,170</u>			<u>\$ 180,024.00</u>	
<b>July-17</b>	TETCO	ELA - M-3	Y	96,348	\$ 41,429.64	\$ 0.4300	\$ 41,429.64	Direct Energy
	TETCO	ELA - M-3	Y	1,519	\$ 653.16	\$ 0.4300	\$ 653.16	WGL Energy
	TETCO	ELA - M-3	Y	93	\$ 40.00	\$ 0.4301	\$ 40.00	BlueRock Energy
	TETCO	ELA - M-3	Y	85,994	\$ 36,977.42	\$ 0.4300	\$ 36,977.42	UGI Energy Services
	TETCO	ELA - M-3	Y	248	\$ 106.64	\$ 0.4300	\$ 106.64	Energy Plus
	TETCO	ELA - M-3	Y	18,507	\$ 7,958.00	\$ 0.4300	\$ 7,958.00	Sprague
	TETCO	ELA - M-3	Y	141,732	\$ 60,944.76	\$ 0.4300	\$ 60,944.76	CNE
	TETCO	ELA - M-3	Y	7,564	\$ 3,252.52	\$ 0.4300	\$ 3,252.52	CIMA
	TETCO	ELA - M-3	Y	3,193	\$ 1,373.00	\$ 0.4300	\$ 1,373.00	South Jersey
	TETCO	M-3 - M-3	Y	486,948	\$ 25,223.91	\$ 0.0518	\$ 25,223.91	Spotlight Energy
	TETCO	WLA - M-3	Y	558,000	\$ 47,039.43	\$ 0.0843	\$ 47,039.43	Grays Ferry
	TETCO	WLA - M-3	Y	558,000	\$ 47,039.43	\$ 0.0843	\$ 47,039.43	Grays Ferry
				<u>1,958,146</u>			<u>\$ 272,037.91</u>	
	TRANSCO	3-6	Y	93	\$ 42.78	\$ 0.46000	\$ 42.78	BlueRock Energy
	TRANSCO	3-6	Y	248	\$ 114.08	\$ 0.46000	\$ 114.08	Energy Plus
	TRANSCO	3-6	Y	1,550	\$ 714.24	\$ 0.46080	\$ 714.24	WGL Energy
	TRANSCO	3-6	Y	3,193	\$ 1,470.95	\$ 0.46068	\$ 1,470.95	South Jersey
	TRANSCO	3-6	Y	7,595	\$ 3,498.97	\$ 0.46069	\$ 3,498.97	CIMA
	TRANSCO	3-6	Y	18,538	\$ 8,539.88	\$ 0.46067	\$ 8,539.88	Sprague
	TRANSCO	3-6	Y	85,994	\$ 39,615.52	\$ 0.46068	\$ 39,615.52	UGI Energy Services
	TRANSCO	3-6	Y	96,348	\$ 44,385.49	\$ 0.46068	\$ 44,385.49	Direct Energy
	TRANSCO	3-6	Y	141,732	\$ 65,293.13	\$ 0.46068	\$ 65,293.13	CNE
	TRANSCO	3-6	Y	310,000	\$ 4,185.00	\$ 0.01350	\$ 4,185.00	Colonial Energy
	TRANSCO	3-6	Y	310,000	\$ 6,820.00	\$ 0.02200	\$ 6,820.00	Green Plains
	TRANSCO	3-6	Y	310,000	\$ 3,720.00	\$ 0.01200	\$ 3,720.00	Spotlight Energy
	TRANSCO	3-6	Y	310,000	\$ 6,510.00	\$ 0.02100	\$ 6,510.00	Tenaska
	TRANSCO	3-6	Y	310,000	\$ 6,975.00	\$ 0.02250	\$ 6,975.00	BNP Paribas
				<u>1,905,291</u>			<u>\$ 191,885.04</u>	
<b>August-17</b>	TETCO	ELA - M-3	Y	93	\$ 39.81	\$ 0.4281	\$ 39.81	BlueRock Energy
	TETCO	ELA - M-3	Y	95,511	\$ 40,888.26	\$ 0.4281	\$ 40,888.26	Direct Energy
	TETCO	ELA - M-3	Y	248	\$ 106.16	\$ 0.4281	\$ 106.16	Energy Plus
	TETCO	ELA - M-3	Y	1,519	\$ 650.27	\$ 0.4281	\$ 650.27	WGL Energy
	TETCO	ELA - M-3	Y	18,507	\$ 7,922.85	\$ 0.4281	\$ 7,922.85	Sprague
	TETCO	ELA - M-3	Y	7,564	\$ 3,238.14	\$ 0.4281	\$ 3,238.14	CIMA
	TETCO	ELA - M-3	Y	84,413	\$ 36,137.21	\$ 0.4281	\$ 36,137.21	UGI Energy Services
	TETCO	ELA - M-3	Y	143,158	\$ 61,285.94	\$ 0.4281	\$ 61,285.94	CNE
	TETCO	ELA - M-3	Y	3,472	\$ 1,486.35	\$ 0.4281	\$ 1,486.35	South Jersey
	TETCO	M-3 - M-3	Y	486,948	\$ 25,223.91	\$ 0.0518	\$ 25,223.91	Spotlight Energy
	TETCO	WLA - M-3	Y	558,000	\$ 92,628.04	\$ 0.1660	\$ 92,628.04	Grays Ferry
	TETCO	WLA - M-3	Y	558,000	\$ 92,628.04	\$ 0.1660	\$ 92,628.04	Grays Ferry
				<u>1,957,433</u>			<u>\$ 362,234.98</u>	

	PIPELINE	PATH	RECALL STATUS	VOLUME DTH	MONTHLY CREDIT	CREDIT DTH	TOTAL CREDIT	
	TRANSCO	3-6	Y	93	\$ 42.78	\$ 0.46000	\$ 42.78	BlueRock Energy
	TRANSCO	3-6	Y	279	\$ 128.65	\$ 0.46111	\$ 128.65	Energy Plus
	TRANSCO	3-6	Y	1,550	\$ 714.24	\$ 0.46080	\$ 714.24	WGL Energy
	TRANSCO	3-6	Y	3,472	\$ 1,599.60	\$ 0.46071	\$ 1,599.60	South Jersey
	TRANSCO	3-6	Y	7,595	\$ 3,498.97	\$ 0.46069	\$ 3,498.97	CIMA
	TRANSCO	3-6	Y	18,507	\$ 8,525.93	\$ 0.46069	\$ 8,525.93	Sprague
	TRANSCO	3-6	Y	84,413	\$ 38,887.33	\$ 0.46068	\$ 38,887.33	UGI Energy Services
	TRANSCO	3-6	Y	95,542	\$ 44,014.11	\$ 0.46068	\$ 44,014.11	Direct Energy
	TRANSCO	3-6	Y	143,158	\$ 65,950.02	\$ 0.46068	\$ 65,950.02	CNE
	TRANSCO	3-6	Y	310,000	\$ 4,185.00	\$ 0.01350	\$ 4,185.00	Colonial Energy
	TRANSCO	3-6	Y	310,000	\$ 6,820.00	\$ 0.02200	\$ 6,820.00	Green Plains
	TRANSCO	3-6	Y	310,000	\$ 3,720.00	\$ 0.01200	\$ 3,720.00	Spotlight Energy
	TRANSCO	3-6	Y	310,000	\$ 6,510.00	\$ 0.02100	\$ 6,510.00	Tenaska
	TRANSCO	3-6	Y	310,000	\$ 6,975.00	\$ 0.02250	\$ 6,975.00	BNP Paribas
	TRANSCO	3-6	Y	310,000	\$ 5,580.00	\$ 0.01800	\$ 5,580.00	Mercuria
	TRANSCO	3-6	Y	250,000	\$ 6,250.00	\$ 0.02500	\$ 6,250.00	UGI Energy Services
	TRANSCO	3-6	Y	40,000	\$ 800.00	\$ 0.02000	\$ 800.00	United Energy
				<u>2,504,609</u>			<u>\$ 204,201.63</u>	
September-17	TETCO	ELA - M-3	Y	240	\$ 102.73	\$ 0.4280	\$ 102.73	Energy Plus
	TETCO	ELA - M-3	Y	90	\$ 38.53	\$ 0.4281	\$ 38.53	BlueRock Energy
	TETCO	ELA - M-3	Y	81,690	\$ 34,971.49	\$ 0.4281	\$ 34,971.49	UGI Energy Services
	TETCO	ELA - M-3	Y	1,470	\$ 629.32	\$ 0.4281	\$ 629.32	WGL Energy
	TETCO	ELA - M-3	Y	92,430	\$ 39,569.27	\$ 0.4281	\$ 39,569.27	Direct Energy
	TETCO	ELA - M-3	Y	17,910	\$ 7,667.27	\$ 0.4281	\$ 7,667.27	Sprague
	TETCO	ELA - M-3	Y	3,360	\$ 1,438.43	\$ 0.4281	\$ 1,438.43	South Jersey
	TETCO	ELA - M-3	Y	7,320	\$ 3,133.70	\$ 0.4281	\$ 3,133.70	CIMA
	TETCO	ELA - M-3	Y	138,540	\$ 59,308.96	\$ 0.4281	\$ 59,308.96	CNE
	TETCO	M-3 - M-3	Y	471,240	\$ 24,410.23	\$ 0.0518	\$ 24,410.23	Spotlight Energy
	TETCO	WLA - M-3	Y	540,000	\$ 63,719.88	\$ 0.1180	\$ 63,719.88	Grays Ferry
	TETCO	WLA - M-3	Y	540,000	\$ 63,719.88	\$ 0.1180	\$ 63,719.88	Grays Ferry
				<u>1,894,290</u>			<u>\$ 298,709.69</u>	
	TRANSCO	3-6	Y	90	\$ 41.40	\$ 0.46000	\$ 41.40	BlueRock Energy
	TRANSCO	3-6	Y	270	\$ 124.50	\$ 0.46111	\$ 124.50	Energy Plus
	TRANSCO	3-6	Y	1,500	\$ 691.20	\$ 0.46080	\$ 691.20	WGL Energy
	TRANSCO	3-6	Y	3,360	\$ 1,548.00	\$ 0.46071	\$ 1,548.00	South Jersey
	TRANSCO	3-6	Y	7,350	\$ 3,386.10	\$ 0.46069	\$ 3,386.10	CIMA
	TRANSCO	3-6	Y	17,910	\$ 8,250.90	\$ 0.46069	\$ 8,250.90	Sprague
	TRANSCO	3-6	Y	81,690	\$ 37,632.90	\$ 0.46068	\$ 37,632.90	UGI Energy Services
	TRANSCO	3-6	Y	92,460	\$ 42,594.30	\$ 0.46068	\$ 42,594.30	Direct Energy
	TRANSCO	3-6	Y	138,540	\$ 63,822.60	\$ 0.46068	\$ 63,822.60	CNE
	TRANSCO	3-6	Y	300,000	\$ 4,050.00	\$ 0.01350	\$ 4,050.00	Colonial Energy
	TRANSCO	3-6	Y	300,000	\$ 6,600.00	\$ 0.02200	\$ 6,600.00	Green Plains
	TRANSCO	3-6	Y	300,000	\$ 3,600.00	\$ 0.01200	\$ 3,600.00	Spotlight Energy
	TRANSCO	3-6	Y	300,000	\$ 6,300.00	\$ 0.02100	\$ 6,300.00	Tenaska
	TRANSCO	3-6	Y	300,000	\$ 5,400.00	\$ 0.01800	\$ 5,400.00	Mercuria
				<u>1,843,170</u>			<u>\$ 184,041.90</u>	
October-17	TETCO	ELA - M-3	Y	310	\$ 132.71	\$ 0.4281	\$ 132.71	Energy Plus
	TETCO	ELA - M-3	Y	1,302	\$ 557.39	\$ 0.4281	\$ 557.39	WGL Energy
	TETCO	ELA - M-3	Y	7,812	\$ 3,344.33	\$ 0.4281	\$ 3,344.33	BlueRock Energy
	TETCO	ELA - M-3	Y	102,889	\$ 44,046.78	\$ 0.4281	\$ 44,046.78	Direct Energy
	TETCO	ELA - M-3	Y	18,724	\$ 8,015.74	\$ 0.4281	\$ 8,015.74	Sprague
	TETCO	ELA - M-3	Y	9,114	\$ 3,901.70	\$ 0.4281	\$ 3,901.70	CIMA
	TETCO	ELA - M-3	Y	85,901	\$ 36,774.22	\$ 0.4281	\$ 36,774.22	UGI Energy Services
	TETCO	ELA - M-3	Y	4,867	\$ 2,083.57	\$ 0.4281	\$ 2,083.57	South Jersey
	TETCO	ELA - M-3	Y	165,199	\$ 70,721.69	\$ 0.4281	\$ 70,721.69	CNE
	TETCO	M-3 - M-3	Y	486,948	\$ 25,223.91	\$ 0.0518	\$ 25,223.91	Spotlight Energy
	TETCO	M-3 - M-3	Y	558,000	\$ 22,320.00	\$ 0.0400	\$ 22,320.00	Colonial Energy
	TETCO	M-3 - M-3	Y	558,000	\$ 28,123.20	\$ 0.0504	\$ 28,123.20	Green Plains
				<u>1,999,066</u>			<u>\$ 245,245.24</u>	

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	TRANSCO	3-6	Y	341	\$	156.86	\$	0.4600	\$	156.86	Energy Plus
	TRANSCO	3-6	Y	1,302	\$	598.61	\$	0.4598	\$	598.61	WGL Energy
	TRANSCO	3-6	Y	4,898	\$	2,252.77	\$	0.4599	\$	2,252.77	South Jersey
	TRANSCO	3-6	Y	7,812	\$	3,592.90	\$	0.4599	\$	3,592.90	BlueRock Energy
	TRANSCO	3-6	Y	9,145	\$	4,206.08	\$	0.4599	\$	4,206.08	CIMA
	TRANSCO	3-6	Y	18,724	\$	8,611.49	\$	0.4599	\$	8,611.49	Sprague
	TRANSCO	3-6	Y	85,901	\$	39,506.71	\$	0.4599	\$	39,506.71	UGI Energy Services
	TRANSCO	3-6	Y	102,889	\$	47,319.64	\$	0.4599	\$	47,319.64	Direct Energy
	TRANSCO	3-6	Y	165,230	\$	75,990.92	\$	0.4599	\$	75,990.92	CNE
	TRANSCO	3-6	Y	310,000	\$	6,820.00	\$	0.0220	\$	6,820.00	Green Plains
	TRANSCO	3-6	Y	310,000	\$	3,720.00	\$	0.0120	\$	3,720.00	Spotlight Energy
	TRANSCO	3-6	Y	310,000	\$	9,610.00	\$	0.0310	\$	9,610.00	Vitol
				<u>1,326,242</u>					\$	<u>202,385.98</u>	
<b>November-17</b>	TETCO	ELA - M-3	Y	96,720	\$	41,405.84	\$	0.4281	\$	41,405.84	Direct Energy
	TETCO	ELA - M-3	Y	153,330	\$	65,640.56	\$	0.4281	\$	65,640.56	CNE
	TETCO	ELA - M-3	Y	360	\$	154.13	\$	0.4281	\$	154.13	Energy Plus
	TETCO	ELA - M-3	Y	1,680	\$	719.20	\$	0.4281	\$	719.20	WGL Energy
	TETCO	ELA - M-3	Y	8,850	\$	3,788.70	\$	0.4281	\$	3,788.70	CIMA
	TETCO	ELA - M-3	Y	14,640	\$	6,267.37	\$	0.4281	\$	6,267.37	BlueRock Energy
	TETCO	ELA - M-3	Y	21,150	\$	9,054.33	\$	0.4281	\$	9,054.33	Sprague
	TETCO	ELA - M-3	Y	4,710	\$	2,016.35	\$	0.4281	\$	2,016.35	South Jersey
	TETCO	ELA - M-3	Y	88,350	\$	37,822.65	\$	0.4281	\$	37,822.65	UGI Energy Services
	TETCO	M-3 - M-3	Y	<u>471,240</u>	\$	<u>519,259.36</u>	\$	<u>1.1019</u>	\$	<u>519,259.36</u>	Freepoint Commodities
				861,030					\$	686,128.49	
	TRANSCO	3-6	Y	96,750	\$	44,496.30	\$	0.4599	\$	44,496.30	Direct Energy
	TRANSCO	3-6	Y	153,360	\$	70,531.80	\$	0.4599	\$	70,531.80	CNE
	TRANSCO	3-6	Y	360	\$	165.60	\$	0.4600	\$	165.60	Energy Plus
	TRANSCO	3-6	Y	1,680	\$	772.80	\$	0.4600	\$	772.80	WGL Energy
	TRANSCO	3-6	Y	8,850	\$	4,070.40	\$	0.4599	\$	4,070.40	CIMA
	TRANSCO	3-6	Y	14,670	\$	6,747.00	\$	0.4599	\$	6,747.00	BlueRock Energy
	TRANSCO	3-6	Y	21,180	\$	9,741.00	\$	0.4599	\$	9,741.00	Sprague
	TRANSCO	3-6	Y	4,740	\$	2,180.10	\$	0.4599	\$	2,180.10	South Jersey
	TRANSCO	3-6	Y	88,380	\$	40,647.00	\$	0.4599	\$	40,647.00	UGI Energy Services
	TRANSCO	3-6	Y	300,000	\$	357,000.00	\$	1.1900	\$	357,000.00	Shell Energy North America
	TRANSCO	1-3	Y	150,000	\$	3,900.00	\$	0.0260	\$	3,900.00	BP Energy
	TRANSCO	2-3	Y	<u>150,000</u>	\$	<u>3,900.00</u>	\$	<u>0.0260</u>	\$	<u>3,900.00</u>	BP Energy
				989,970					\$	544,152.00	
<b>December-17</b>	TETCO	ELA - M-3	Y	86,428	\$	37,094.91	\$	0.4292	\$	37,094.91	UGI Energy Services
	TETCO	ELA - M-3	Y	5,270	\$	2,261.89	\$	0.4292	\$	2,261.89	South Jersey
	TETCO	ELA - M-3	Y	22,010	\$	9,446.69	\$	0.4292	\$	9,446.69	Sprague
	TETCO	ELA - M-3	Y	16,120	\$	6,918.72	\$	0.4292	\$	6,918.72	BlueRock Energy
	TETCO	ELA - M-3	Y	9,114	\$	3,911.73	\$	0.4292	\$	3,911.73	CIMA
	TETCO	ELA - M-3	Y	2,170	\$	931.37	\$	0.4292	\$	931.37	WGL Energy
	TETCO	ELA - M-3	Y	372	\$	159.65	\$	0.4292	\$	159.65	Energy Plus
	TETCO	ELA - M-3	Y	159,092	\$	68,282.29	\$	0.4292	\$	68,282.29	CNE
	TETCO	ELA - M-3	Y	98,766	\$	42,390.36	\$	0.4292	\$	42,390.36	Direct Energy
	TETCO	M-3 - M-3	Y	486,948	\$	536,568.00	\$	1.1019	\$	536,568.00	Freepoint Commodities
	TETCO	M-3 - M-3	Y	<u>93,000</u>	\$	<u>79,050.00</u>	\$	<u>0.8500</u>	\$	<u>79,050.00</u>	WGL Energy
				979,290					\$	787,015.61	
	TRANSCO	3-6	Y	86,459	\$	39,763.39	\$	0.4599	\$	39,763.39	UGI Energy Services
	TRANSCO	3-6	Y	5,301	\$	2,437.84	\$	0.4599	\$	2,437.84	South Jersey
	TRANSCO	3-6	Y	22,041	\$	10,137.00	\$	0.4599	\$	10,137.00	Sprague
	TRANSCO	3-6	Y	16,151	\$	7,427.91	\$	0.4599	\$	7,427.91	BlueRock Energy
	TRANSCO	3-6	Y	9,145	\$	4,206.08	\$	0.4599	\$	4,206.08	CIMA
	TRANSCO	3-6	Y	2,201	\$	1,012.46	\$	0.4600	\$	1,012.46	WGL Energy
	TRANSCO	3-6	Y	372	\$	171.12	\$	0.4600	\$	171.12	Energy Plus
	TRANSCO	3-6	Y	159,123	\$	73,182.32	\$	0.4599	\$	73,182.32	CNE
	TRANSCO	3-6	Y	98,766	\$	45,423.37	\$	0.4599	\$	45,423.37	Direct Energy
	TRANSCO	1-3	Y	155,000	\$	4,030.00	\$	0.0260	\$	4,030.00	BP Energy
	TRANSCO	2-3	Y	155,000	\$	4,030.00	\$	0.0260	\$	4,030.00	BP Energy
	TRANSCO	3-6	Y	<u>310,000</u>	\$	<u>368,900.00</u>	\$	<u>1.1900</u>	\$	<u>368,900.00</u>	Shell Energy North America
				1,019,559					\$	560,721.49	

**Tab 7**

**Philadelphia Gas Works**

Pennsylvania Public Utility Commission  
52 Pa. Code §53.61, et seq.

**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:

- (8) A list of agreements to transport gas by the utility through its system, for other utilities, pipelines or jurisdictional customers including the quantity and price of the transportation.

**Response:**

Please see the attached list of gas transportation agreements for PGW's jurisdictional customers. PGW has no transportation agreements with other utilities or pipeline customers.



**PHILADELPHIA GAS WORKS  
JANUARY 2017 - DECEMBER 2017**

MTR_NBR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL_CCF	Max Daily Qty (Dth)
1526423	13871	12090	14934	7491	4576	2564	2376	1679	549	5528	11490	17157	94305	400
1526435	92621	70629	83052	51419	52752	43627	40814	44461	32968	52750	67843	93434	726371	600
1526478	24851	18130	25549	2111	0	0	0	0	0	1109	16645	32998	121393	135
1546144	4422	3143	4898	281	0	0	0	0	10	343	3358	5402	21857	285
1546148	59000	47589	56505	11341	776	0	0	0	129	10802	44072	56353	286567	844
1553324	32420	24008	26218	7296	637	0	0	0	0	2183	21542	33131	147435	167
1553325	59554	41323	51827	11879	0	0	0	0	0	0	41999	70445	277027	397
1553328	9110	6390	7685	880	0	0	0	0	0	731	5039	10665	40500	27
1553331	56824	40303	47431	8400	2628	1104	717	907	785	4982	39584	69633	273299	225
1553337	22221	18064	20527	4346	0	0	0	0	0	4809	15548	24408	109923	720
1571005	16671	11421	13192	2472	11	0	0	0	0	11	6396	13339	63513	1032
1571006	13536	8781	10838	3116	0	0	0	0	0	1191	6974	12635	57072	348
1575425	14228	11103	13937	1751	10	0	0	0	0	0	4872	12780	58683	383
1582087	18529	12963	16953	688	22	0	0	0	21	172	9692	19807	78847	676
1582088	45216	34340	40653	10415	3754	3091	2924	2964	3036	9618	27420	43531	226962	42
1582089	52089	41957	48119	20453	4904	4229	4006	4151	4227	11973	33325	52042	281474	479
1594768	0	0	0	1051597	1381048	1208472	1233634	1241503	1226399	1316391	1319897	1354762	11333702	3432
1594769	0	0	0	0	0	0	0	104	104	0	0	0	208	92
1601880	11369	8137	10635	2329	0	0	0	0	0	384	4885	11465	49204	272
1611015	0	0	1143	32074	66328	50674	44548	48190	57594	44431	65025	27008	437015	547
1611016	0	0	0	904208	1178748	0	2068634	1049506	1027167	1102169	1102713	1135865	9569011	419
1611635	71057	52265	60991	18499	12894	6493	6098	6225	6420	11679	0	109923	362544	3300
1611639	13857	8554	9517	1156	0	0	0	0	0	11	5649	12631	51375	1465
1611640	8894	6391	6774	208	0	0	0	0	0	52	3659	10490	36469	240
1621317	354973	303048	335783	221012	337805	265233	306448	170122	192567	264142	267539	406342	3425014	92
1621318	24571	17283	19470	2040	145	41	10	0	21	0	11027	25527	100136	550
1658873	11768	6358	9607	1018	103	0	0	0	0	343	4478	13197	46873	1400
1658874	45440	41309	47003	41368	39945	33226	17524	35321	35964	40746	43028	35102	455977	402
1658875	24919	19172	23444	6927	2721	0	0	0	0	98	17046	28985	123313	400
1658876	22069	16628	23369	2437	0	0	0	0	0	914	17089	26805	109311	54
1658878	0	0	0	0	0	0	0	0	0	1652	29961	47641	79254	1222
1658879	11495	8415	10102	2412	765	537	630	798	1202	1609	6329	11462	55755	360
1658880	21512	19137	22519	17165	18273	15947	14082	16954	15267	17668	18147	17527	214200	272
1658882	35524	22690	30661	1995	0	0	0	0	0	1499	18028	32123	142520	31
1658883	0	0	0	0	2241	219638	32823	0	0	2367	14320	37938	309328	111
1658884	64453	48648	68983	17674	7957	5174	0	0	10562	8928	37000	60681	330060	240
1658885	4322	2621	6709	3739	22492	23355	42158	21654	16344	932	3434	22364	170124	400
1658886	0	0	0	0	0	0	0	0	0	0	0	0	0	90
1685268	6166	5110	8063	427	0	0	0	0	0	156	2920	8087	30928	144
1685269	32753	28737	33274	29070	24340	25028	27610	28666	25568	28612	30352	33841	347853	216
1685273	24972	18154	22183	6667	2285	1827	1937	1873	1970	3546	14568	23228	123209	782
1685275	3870	3310	2720	3870	3680	5280	3970	3500	4170	3170	2510	2850	42900	375
1685276	7086	6243	10658	1197	0	10	0	0	0	259	4810	11450	41713	437
1685277	22328	13600	20706	809	0	0	0	0	0	0	9248	24404	91095	380
1685278	35757	26013	36366	6734	4979	2749	2472	2745	2733	5624	22153	40705	189030	133
1685280	63624	52074	62401	45182	46505	39809	41774	49521	56566	50464	58473	66801	633194	625
1701736	0	0	0	11417	0	0	35888	0	0	0	26940	628797	703042	60
1701737	0	0	0	11417	0	0	38197	0	0	0	26940	619555	694110	432
1722879	14613	11620	13829	5405	4216	1837	1286	1459	1897	3433	9631	14449	83678	302
1722889	9193	7408	8968	1625	1144	0	0	0	0	1362	6928	10653	47281	373
1722906	20474	16977	18603	4897	0	1	0	0	0	3566	11648	18189	94355	222
1723873	3811	2855	3544	543	63	0	0	0	0	165	1873	6188	19042	958
1723876	10673	8092	8798	3151	1	0	0	0	0	1504	6318	10449	48985	151
1723898	44124	30339	29909	1452	0	0	0	0	104	2389	27134	47451	182901	424
1723900	31759	27667	32588	25033	24509	23158	21802	19380	17927	18275	21923	33103	297123	453
1723998	53922	43896	58969	32497	22456	14878	13711	14302	15813	23251	40250	52735	386678	907
1724001	20320	17166	13059	1203	166	0	0	0	21	0	11694	15280	78909	173
1724003	27963	20618	26662	7992	4896	3907	4019	3866	3927	5607	18445	31117	159018	305
1724008	36192	31484	35144	22942	21235	18827	18715	21058	20429	23654	33497	42736	325912	522
1724008	36192	31484	35144	22942	21235	18827	18715	21058	20429	23654	33497	42736	325912	522
1724010	22822	22811	24251	22096	24293	21827	20559	23978	20391	23874	22100	21869	270871	76
1724011	8393	6052	8398	612	0	0	0	0	21	1039	4386	10559	39459	907
1724230	9237	6680	7591	1013	3	10	9	11	9	390	4325	8452	37732	280
1724240	9969	5836	8504	397	0	0	0	1	0	205	4882	10697	40490	703
1724851	77100	65897	74040	47785	41468	40215	38127	40730	42174	40368	37195	71004	616103	1461
1724852	90617	77387	87092	56409	48912	48176	45463	48606	49842	47010	43117	84831	727461	228
1724853	39517	23599	26337	1778	0	0	0	0	0	1331	20981	40607	154150	144
1724854	86638	79785	90954	72607	77374	58211	46704	49124	49534	62308	85397	93401	852038	240
1724856	34995	21038	33645	5928	934	0	0	0	0	1871	23068	32890	154369	701
1756663	60939	43869	52107	10180	1291	0	0	0	0	1404	32398	64161	266350	223
1756664	27189	17256	21946	1430	31	0	0	0	0	1059	12749	25058	106718	346
1771898	2509	0	1970	50449	71731	108286	89897	120310	146967	108803	109519	35157	845599	648
1771899	9675	7292	8725	0	0	0	0	0	0	0	0	0	25692	90
1786008	374262	303876	351448	227912	207700	170378	158707	161157	162071	193775	280216	377160	2968661	5500
1786009	345029	280784	325022	211707	193218	158695	147754	150172	150258	179859	259435	348460	2750394	5500
1806076	56898	41402	49307	18082	15100	15094	15602	16789	14092	17339	40839	64326	364871	374
1806077	68854	55772	65071	17982	2379	1963	1860	1866	2072	5608	54231	67881	345540	277
1806079	24641	16762	23515	7279	10540	804	55	264	1209	1043	13973	20819	120905	107
1806080	10384	7225	10417	3803	4033	3702	1269	1648	3119	5899	10432	14640	76572	120
1806081	56415	51972	59431	56967	54270	49431	51690	53204	54499	59743	59050	59208	665878	700
1806092	38284	43422	38950	44969	34717	43165	40412	36786	37755	29937	35518	75298	499215	384
1826506	6227	5989	6126	4702	3495	3596	3424	4338	3561	4549	5097	5850	56954	302
1826561	9286	7036	8864	3818	1171	999	771	850	982	1513	5260	8110	48659	132
1826616	7313	5996	6624	2631	1641	260	0	0	225	1544	4242	7450	37926	703
1826674	14857	13899	16508	12264	10259	10317	8732	9032	8382	9660	14128	12294	140333	114
1884404	2608	2054	2411	649	246	207	201	228	224	614	1895	2414		

**PHILADELPHIA GAS WORKS**  
**JANUARY 2017 - DECEMBER 2017**

MTR_NBR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL_CCF	Max Daily Qty (Dth)
1884510	23313	17321	20467	7058	5844	5681	4786	5177	5798	5515	14204	24258	139421	34
1884513	9335	7226	6392	4488	4329	4064	800	107	255	2162	0	0	39159	241
1884532	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1884573	23067	15077	18488	1559	0	0	0	0	0	1041	12471	25237	96941	698
1884576	29616	22437	27512	13016	10783	0	33	0	0	6751	20041	33421	163609	89
1884577	21687	14984	19242	2457	25	0	0	0	0	2039	18443	27414	106292	624
1884579	6811	5518	6403	1382	0	0	0	0	0	1902	4457	7051	33525	174
1906514	1092600	927100	1014000	327600	0	0	0	0	0	0	0	0	3361300	92
1906623	9050	7624	8134	3415	1109	938	873	924	950	3701	7452	9332	53502	89
1906625	9750	9272	10669	7917	7878	6925	3947	6945	5804	6543	7830	8920	92400	30
1906628	9395	5775	7752	485	0	0	0	0	0	21	4061	9539	37028	90
1906630	5385	4245	4862	354	0	1	0	0	0	299	4344	5780	25270	43
1909300	1582990	1001500	1465170	674550	1240400	1351770	163290	130740	92000	0	0	0	7702410	644
1909301	10924100	10047900	10038000	8418900	7267900	6612900	10068000	9733200	7345200	10139800	9214800	10821800	110632500	5500
1909334	6122	4852	5669	2713	2678	1814	1310	1323	1300	2605	4286	6339	41013	98
1909351	8181	5470	5697	993	0	0	0	0	0	960	4812	8321	34434	504
1921575	10654	8919	11307	600	89	0	0	0	0	810	4695	11061	48134	281
1921578	7818	5960	7816	2896	2080	2060	1342	1849	2014	2230	6695	8354	51113	81
1921579	4092	3939	4376	2232	1404	905	673	706	961	1516	1850	2679	25334	843
1921700	39586	31654	34858	5970	0	0	0	0	0	2562	25515	35520	175666	549
1921701	35684	26869	29283	15357	13899	10004	9568	10471	10966	12320	20785	36030	231235	42
1921703	37786	27362	28658	9506	4590	0	0	0	0	6286	26155	35217	175559	400
1954681	53222	42733	47218	28367	23995	21606	20975	22075	21864	24295	40934	54884	402166	127
1954683	45584	34687	39063	22855	20066	14784	15396	15546	15749	18899	30443	45462	318535	200
1954684	70420	47744	59713	10172	0	0	0	0	0	5564	37571	65640	296824	296
1986388	5217	3569	4357	530	0	0	0	0	0	295	2999	5399	22364	38
1987495	14772	11259	12708	10578	13204	14614	10063	17203	12656	14451	13389	10322	155221	216
1987496	12990	9681	12262	1258	0	41	0	0	83	1486	9107	17164	64071	50
1987500	44614	28935	41221	0	0	0	0	0	0	29669	52963	197403	479	
1987633	3609	2689	3162	203	0	0	0	0	6	2054	3647	15370	1252	
1987683	1209	970	1237	142	16	0	0	0	2	788	1390	5753	302	
1987743	0	1545	2142	454	103	0	0	0	27	415	1633	2512	8832	1461
1987777	9668	8568	9271	7610	8042	7509	7127	8142	6641	8898	8700	8586	98962	43
1987785	6701	5526	6384	3750	0	0	1750	0	0	0	0	0	24111	120
1987786	7510	5929	6681	475	0	0	0	0	0	5	5144	8163	33907	48
1987797	0	0	0	46046	20391	8933	7407	8531	7577	9275	11907	14609	134675	302
1987801	28171	16593	24695	9001	5405	10426	22410	18300	13908	9199	17858	28433	204397	75
1987803	52657	39009	47563	41339	50045	64327	78087	72908	60087	55094	38235	53745	653096	296
1987805	11264	7582	9776	1865	718	287	254	277	256	1284	5969	12024	51556	340
1987808	63	32	0	0	0	0	0	715	10370	1326	0	0	12505	370
1987810	9372	6950	7910	883	0	0	10	0	10	530	5538	9882	41085	2087
1987812	11715	7731	10015	1366	382	0	0	0	0	477	8980	14441	55106	1046
1987814	509795	502827	550500	511596	507075	488117	398100	525264	485454	525830	498054	413823	5916435	3432
1987815	69164	60979	67700	33529	23132	21733	19229	15820	18176	31005	56207	78428	495102	131
1989421	22484	16827	17335	2861	0	0	0	0	3	0	12695	22765	94969	400
1989422	4476	2642	1898	42	1	1	0	0	0	8	1535	4289	14892	73
1989426	29628	21495	25921	7309	4889	2604	2372	2655	2625	6533	19375	30098	155504	383
1989428	59044	46571	58319	29937	28361	14757	11078	13509	16698	26642	47694	69437	422048	302
1989625	1043	474	622	14	8	5	4	0	4	0	0	0	2175	454
1989652	18854	33363	0	57110	8366	6468	3781	3896	4089	4552	9541	18297	168297	226
2012845	9717	6388	6872	6200	6276	5647	5044	5225	5098	6532	7238	75612	400	
2012851	4076	3289	3278	1697	899	239	343	353	582	1239	2581	3779	22355	90
2012853	3884	3260	3105	2251	1264	331	127	244	603	1547	2945	3753	23316	72
2012857	3385	2641	2533	1444	925	223	86	282	592	1035	2168	2900	18215	72
2012880	8606	6598	7780	3046	2104	1194	882	854	896	1506	4932	8349	46748	396
2012886	3802	2782	3343	902	241	1	0	0	0	0	0	0	11071	75
2023712	1563	1197	1959	263	0	0	0	0	0	1	655	1935	7571	1461
2023812	13266	9554	11484	3801	2488	2125	1943	1910	1960	2607	7355	12575	71069	235
2023825	6859	4341	5931	438	0	0	0	0	0	59	3413	6229	27271	541
2023831	3660	3213	3586	3060	2927	2526	2333	2198	2451	2674	2954	3445	35027	89
2023840	6198	4846	5928	2263	1279	712	656	664	681	1489	4710	6438	35864	934
2023947	9451	7014	8281	5145	3807	3312	2911	2955	2931	3669	5937	8269	63680	418
2023948	20459	16739	15866	4976	2783	2694	2748	2922	3121	6833	15802	22967	117910	81
2023952	37497	27576	31113	11228	6723	5758	5528	6052	5295	5347	23817	34195	200129	140
2023953	70349	55740	68516	41845	35281	24959	23018	24500	26572	35272	51825	75952	533828	576
2023955	86967	63809	68554	17666	8169	5439	4662	5356	4607	13502	58102	83825	420660	149
2023958	19089	14431	20582	3200	0	0	0	0	0	278	4174	14298	76051	397
2023960	16152	14536	21680	17943	19376	22698	20894	26643	17756	21972	23644	31073	254365	1151
2024285	6723	5053	5983	2398	1581	593	504	521	582	1480	4511	6945	36875	4740
2024290	6914	5281	6103	2764	2039	626	527	519	553	1852	5223	6985	39385	64
2024299	6558	4805	5539	2053	1359	686	570	777	724	1376	4142	6774	35363	64
2024307	13417	8258	10916	1504	307	0	0	1	1	677	8873	15014	58967	360
2024367	4513	3367	4997	412	0	0	0	0	3	208	2745	4710	20955	26
2024389	4514	4158	4514	408	0	0	0	0	0	509	2063	4549	20715	90
2024604	5292	4433	4979	4786	5233	5333	5215	6241	8102	9775	6847	5276	71511	110
2024644	10155	7822	7972	2848	1917	1429	1269	1496	1535	1466	4677	6884	49471	340
2024645	14821	11775	13077	3619	2108	846	551	708	1021	3190	12037	14003	77755	313
2024648	31658	26076	28958	21378	20875	18515	17060	17456	18043	18751	21621	24066	262460	490
2024675	722	651	666	572	579	463	423	467	469	515	698	852	7077	64
2024683	28047	20754	23965	8997	4943	2102	1775	1837	1957	6449	18464	26804	146094	360
2024684	6685	4594	5143	494	0	31	0	7	10	363	3427	5904	26660	281
2024690	30460	24810	27573	10562	11730	4659	4857	0	0	36823	32184	37138	220796	300
2024694	9548	6857	9900	1311	85	0	0	0	0	260	4517	12389	44867	377
2024698	7171	5113	6526	1393	0	0	0	0	0	470	4358	8021	33050	272
2024702	21140	15002	18298	2823	2038	114	0	0	0	1218	11799	17641	90072	58
2024703	17377	12641	15565	2686	1367	0	0	0	0	1616	10945	16771	78968	50
2024704	10647	6352	9393	711	0	0	0	0	0	558	6155	11860	45676	313

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MTR_NBR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL_CCF	Max Daily Qnty (Dth)
2024705	16041	12705	14398	4672	3171	3258	2938	2837	2789	3553	11447	17741	95549	522
2024706	7256	4774	6378	229	63	0	0	1	1	142	2232	7772	28848	156
2024712	17634	10948	13105	1537	0	0	0	0	0	27	6317	16938	66507	120
2024714	10310	6170	8524	373	1	2	5	24	38	493	5091	9101	40132	167
2024715	21550	16166	21030	1229	0	0	0	0	0	10608	21252	91836	503	
2024719	7917	5658	5847	1595	1723	1674	1191	580	581	990	4056	7294	39105	573
2024851	16958	10282	14729	3856	2196	71	0	0	0	2741	13325	19333	83492	244
2024992	1729	1234	1566	361	126	6	0	0	0	24	586	1566	7198	1851
2025003	5516	3964	4683	1996	4277	2776	1687	2028	2804	3970	4548	5577	43827	54
2025031	11992	10725	10465	1674	1	0	0	0	0	0	0	0	34857	90
2025049	3966	3111	4406	2759	2451	1682	2185	3624	3337	3381	3711	5633	40246	277
2025082	2441	1925	2283	897	809	157	0	60	322	910	1798	2727	14329	75
2025099	4346	2772	3753	659	12	0	0	0	0	98	2569	5884	20093	54
2025107	9348	6083	8172	1109	0	0	0	0	0	0	4462	9871	39045	576
2025139	15475	12055	10355	1927	0	0	0	0	0	1342	7404	10740	59298	408
2025146	5579	4052	5361	666	0	12	4	0	17	412	3150	5988	25242	140
2025149	7286	6197	6708	1829	1147	670	683	846	1523	1656	2019	2504	33068	14
2025150	7715	5127	6382	740	135	0	0	0	0	1095	4564	7536	33295	178
2025156	7139	5372	5233	1075	0	0	0	21	0	555	4365	5809	29568	139
2025158	13311	9201	14239	691	1	1	1	1	0	727	5699	11792	55662	626
2025166	4937	3029	3503	237	0	0	0	1	2	48	2622	4030	18409	192
2025172	5134	3738	4984	618	0	9	4	0	17	374	2740	5522	23140	175
2025174	7413	6750	7864	6497	5532	3406	3454	2539	2522	2878	3103	5466	57445	78
2025178	15296	13038	16325	9697	7456	5801	7327	6974	7026	9143	12963	19844	130890	149
2026643	21268	5912	7867	1072	0	0	0	0	0	0	0	0	36118	189
2026737	8527	5177	7373	2215	39	0	0	49	154	172	2575	10485	36767	143
2026758	11253	8349	11004	2730	0	0	0	0	0	0	5313	13644	52294	250
2026766	15714	12675	13088	2094	516	0	0	0	0	2261	8435	13830	68613	272
2026784	9227	6174	8530	4034	2475	1103	559	587	703	2344	6429	9873	52036	420
2026819	21361	17143	19929	10468	17161	18244	546	5582	12672	8090	15078	18331	164604	425
2026820	18242	15744	16827	15339	16413	12567	10154	8634	16991	18009	18368	19742	187029	300
2026838	15448	11265	13707	1781	0	0	0	0	0	1286	8854	16685	69027	946
2026870	3428	2511	2858	387	0	0	0	0	0	303	2012	3783	15282	1851
2026874	3696	2634	3301	812	0	0	0	0	0	239	1994	3687	16363	703
2027160	8979	6202	7935	1882	0	0	0	0	0	1034	6099	8516	40646	164
2027375	22006	17286	20201	8951	5852	4068	3331	3391	3900	5826	14820	22859	132491	180
2027381	5047	3518	4057	1495	1313	1111	980	1191	1042	1301	3548	4836	29440	513
2027383	8222	7140	7922	2482	0	0	0	0	0	180	5026	8372	39345	645
2027386	7147	5776	6465	6936	5736	4548	5185	5868	4211	4284	5391	3991	65538	141
2027387	15635	11168	13194	5851	7600	4297	4937	4500	4708	6364	13837	20529	112520	224
2027392	10549	8680	10005	6664	6450	4903	3784	5036	4442	5648	8413	9804	84378	400
2027401	11033	9196	11045	5840	4837	3754	3336	6324	5143	5646	6336	9470	81960	305
2027402	13230	10967	13178	6807	5719	4532	4011	7759	6223	6781	7608	11341	98157	707
2027403	19939	15648	18540	7949	6235	4060	3515	3671	3982	5898	12936	20629	123001	400
2027406	33695	25288	33844	22588	22426	22853	20672	26308	23874	27541	29021	34685	322794	209
2027423	5587	3813	4534	957	375	1	0	0	0	711	3444	5780	25202	1709
2027430	4918	3428	4122	1481	1313	1113	1003	1178	1007	1377	3480	4902	29322	232
2027433	7051	5018	6672	1817	1163	2465	3430	1908	2179	2011	4458	8121	46293	450
2027434	5878	4229	5696	1566	1022	2287	3421	2978	1801	1622	3984	7165	41650	455
2027443	19609	14549	18504	5781	5053	3157	2893	3178	2965	4074	11748	21571	113081	430
2027454	6502	6049	6350	1823	181	0	0	0	0	768	3628	6743	32046	127
2027464	13598	9270	11244	2027	1042	0	0	0	0	1509	8396	17305	64390	424
2027476	9287	8513	10720	5841	6749	4810	4680	4906	4602	5737	7627	9930	83401	82
2027477	3325	3118	3130	2463	2801	2428	2011	2789	2267	2496	2545	2135	31508	162
2027483	12376	9571	12095	1178	0	1	0	1	0	892	7884	16063	60061	95
2027484	12930	9510	12871	1259	0	0	0	0	0	1136	11738	25547	74990	98
2027485	38530	29696	33344	9922	4811	3791	3301	3481	3822	4505	24061	32512	191777	1461
2027494	22138	16705	19665	3595	0	0	0	0	0	4199	15430	23400	105132	100
2027498	29319	25917	29488	24751	29556	30763	30626	30019	27813	31007	32215	31428	352901	90
2027509	21449	16577	19960	11567	8491	7410	7319	8178	8077	8669	17155	25241	160094	450
2027510	7663	6971	8103	6711	7626	8507	7954	7875	6013	8145	7501	7645	90712	215
2027520	16219	10605	13303	2851	0	0	0	0	10	2071	8132	12067	65258	149
2027524	30270	17498	25861	9295	5595	11248	24312	19923	15166	10049	18944	29877	218036	207
2027527	19494	15164	18480	6879	1461	1592	967	3061	3560	4516	12955	13684	101813	64
2027529	51460	38414	46269	11934	7967	5901	5294	6167	7537	18179	35496	51798	286417	706
2027531	14895	10897	12974	2953	994	30	0	0	11	3268	9428	13570	69020	3128
2027533	13728	10191	12645	3778	1	0	0	0	1	1589	9689	15056	66678	58
2027536	6785	4428	5710	444	0	0	0	0	0	0	3640	8061	29068	616
2027544	29943	22299	29831	19607	19662	19865	17927	22845	20865	24263	25667	30824	283598	464
2027560	7315	5874	5653	3565	2960	0	4405	2230	2715	3044	5425	6371	49556	432
2027563	10691	6344	6367	631	0	0	0	0	0	0	4015	9546	37594	388
2027564	4721	3497	4449	1353	670	358	374	422	491	872	5524	9436	32167	728
2027581	14390	10483	12408	1163	0	0	0	0	3	1521	9329	14889	64185	354
2027583	39196	35663	39120	38904	40473	40075	41360	39407	38044	39252	38089	36925	466508	202
2027589	10489	7228	8712	1443	0	0	0	0	0	862	5376	11625	45734	153
2027591	4054	3958	2991	1904	1846	1640	1366	1359	1122	1319	1811	2538	25908	83
2027599	5359	4264	4952	3098	2505	1838	2005	2278	2302	2806	4548	6178	42132	123
2027620	15052	10601	14062	3286	2669	1	1	128	193	1954	11551	17512	77009	424
2027625	4099	3806	4244	1386	619	284	183	381	818	870	3260	5640	25590	1565
2027635	4707	3704	4132	3272	3628	4079	4360	4214	3969	3905	3263	4619	47853	500
2027641	11580	9653	9081	665	0	0	0	0	0	0	6840	12955	50774	368
2027642	17584	10720	15948	1109	0	0	0	0	137	1441	9925	19548	76411	392
2035210	2225	1730	2276	656	30	0	0	0	0	442	1758	2814	11931	403
2035356	2260	1582	1937	347	0	0	0	0	0	171	1345	2452	10095	31
2035366	2712	1942	2232	631	0	0	0	0	0	138	1964	3654	13273	311
2035408	2732	1704	2220	399	183	0	0	0	0	238	1674	2835	11987	127
2035554	4770	3663	4310	1595	792	601	524	555	598	1192	3426	5199	27226	240

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MTR_NBR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL_CCF	Max Daily Qty (Dth)
2035694	1274	872	1018	125	0	0	0	0	0	5	844	1658	5795	60
2035839	5997	4616	5305	2216	1652	2250	2173	2202	2234	2392	3855	6065	40956	112
2035886	6601	8197	1060	0	0	0	0	0	0	0	0	0	15858	95
2035891	7780	6711	7650	4799	4064	2368	2458	3004	3283	4680	7281	8206	62282	591
2035943	3855	3073	3677	2089	2029	2122	2385	2272	2262	2563	3539	4931	34795	240
2035967	6628	5928	6585	6287	7132	6366	5968	6762	7577	7575	7043	6833	80702	685
2035975	11898	9272	11300	8459	9303	7654	7286	8313	7572	10006	10141	12354	113558	554
2035986	4242	3994	4284	2276	2400	2127	1750	2247	1897	2227	2869	3647	33961	599
2036046	3084	2649	2691	1668	0	0	0	1	0	0	1990	3008	15091	120
2036145	18965	14237	17825	7404	5789	3823	0	0	13	2733	8662	16518	95970	25
2036147	4886	3723	4142	615	382	50	2	49	66	164	2533	6104	22715	312
2036151	9204	6974	8158	3145	1004	0	0	0	0	655	6712	9199	45053	202
2036167	16129	10668	12862	3464	1610	0	0	0	0	2467	10867	15289	73357	4372
2036180	43598	37214	44961	34563	33121	24791	23394	26614	25486	28228	28277	36429	386677	1362
2036185	13291	13230	16480	1197	0	0	0	0	0	1060	9481	20263	75003	72
2036186	102486	79259	94286	26017	0	10	0	0	0	5621	69768	117398	494845	141
2036187	38773	29829	29029	7254	2529	0	0	0	0	2825	19872	42454	172564	576
2036188	22883	16198	20446	11280	11024	12764	14195	15389	14012	13693	16974	24650	193509	1300
2036189	16489	11658	15757	1311	0	0	0	0	11	973	9972	22252	78423	168
2036191	44937	52478	46901	33384	14357	42615	55407	65460	34850	45298	23375	61993	521055	120
2036192	53029	45034	51752	34493	32671	28656	29194	35524	33577	41008	49107	70273	504318	740
2036193	15417	9846	14837	1144	0	0	0	0	0	1560	6857	17614	67274	126
2036194	298347	291995	297914	296764	272139	223272	296848	281241	327862	330570	368827	378747	3664527	89
2036195	26403	21889	27987	2601	1551	0	0	0	0	2389	13510	34469	130799	120
2064820	2251	1470	1918	167	1	0	0	0	0	140	1169	2642	9757	99
2064880	1996	1791	1945	1218	3185	2990	2252	1596	2228	2373	2382	2855	26811	115
2064920	8412	6180	9774	5009	4855	4185	0	0	0	0	15720	13773	67909	375
2064973	183062	154104	175062	115325	106655	84708	87373	89750	86751	101765	138765	184845	1508165	400
2064974	25388	14372	21849	1157	0	0	0	0	0	62	12098	28228	103154	456
2064975	19664	17240	20294	17696	20144	18098	15674	16219	15974	19387	20278	21771	222440	200
2064976	25416	22176	26080	7163	0	0	0	0	0	2367	19039	29672	131913	172
2064977	9403	5929	8755	1839	145	0	0	0	0	582	4927	10989	42569	250
2064979	22466	13989	20860	9597	9829	14118	17295	17905	21778	10138	12938	20763	191677	235
2064980	58792	40603	58561	8213	332	0	0	111	0	5548	27407	46624	246191	223
2064981	0	0	0	0	0	0	0	0	415	0	0	0	415	11586
2064982	801076	656883	700714	411626	374550	294857	284143	298274	312114	363223	547990	801654	5847104	5500
2070242	2900	1811	2225	583	0	0	0	0	21	355	1522	2730	12127	302
2070249	3887	2945	4218	1102	0	0	0	0	0	208	1459	2906	16725	336
2070260	2976	2205	2704	744	0	0	0	0	0	406	1999	3220	14255	958
2070271	3569	3092	3848	1460	0	0	0	5	0	439	2220	3421	18055	419
2090400	217543	178547	217860	138889	146949	185648	228551	130350	110465	123670	169875	261148	2109495	419
2094623	80130	88683	79896	91252	75784	79550	71117	66125	72856	69010	80360	160435	1015199	1046
2115067	4539	4015	4373	364	0	0	0	0	0	1505	2969	4053	21819	316
2115136	6615	4907	4951	322	0	0	0	0	0	276	1911	7828	26809	72
2115137	31771	23549	27968	5063	0	0	0	0	0	0	14850	22847	126049	417
2115141	4857	4484	5221	273	0	0	0	58	27	345	2827	5837	23928	26
2115143	10551	7161	7897	1446	1	0	0	0	0	726	6978	11883	46643	750
2115434	785	597	681	126	0	0	0	0	0	0	429	844	3463	541
2115543	4847	3396	4404	975	466	0	0	0	0	723	3300	5057	23168	64
2115588	10228	7882	8505	3038	2049	1716	1609	1734	1630	2036	5789	8969	55184	100
2115589	9295	7243	7859	2854	1930	1528	1434	1529	1452	1878	5363	8152	50516	168
2115593	16505	13504	15710	8674	8911	8992	6383	8366	8878	9646	12590	14219	132377	388
2115595	21166	0	0	0	0	0	0	0	0	0	0	0	21166	301
2115831	39938	36036	31436	5850	0	0	0	0	0	0	4255	21044	138559	330
2115832	32314	26117	30958	21720	23281	19765	16429	21547	21677	22489	26347	34401	297044	375
2115833	8188	5691	7569	590	0	0	0	0	0	143	4474	8509	35164	690
2115837	23264	18764	21171	15673	13110	9195	8853	9524	9768	12988	18620	23706	184635	782
2115841	58718	47155	53196	49577	46719	36116	33542	38998	32333	44031	47128	54893	542406	183
2115842	6758	4678	8142	679	0	0	0	0	13	603	3501	8385	32761	748
2115844	71109	57703	64523	60520	58545	47710	45828	50241	43584	55090	58098	67046	679996	240
2115901	591	398	554	104	0	0	0	0	0	1	320	576	2544	925
2116004	4489	3276	4698	841	0	0	0	0	0	272	3662	5359	22597	103
2116016	3062	2099	2684	558	284	5	0	0	12	286	1850	3268	14109	5500
2116023	2740	2190	1872	1819	2008	2242	1647	1788	1863	2497	3058	3021	26744	201
2116148	10748	6985	9287	2900	1823	1003	961	953	1005	2461	7254	10402	55782	500
2116149	6500	5052	7094	509	0	0	0	0	31	291	2712	7697	29887	341
2116150	15438	11268	12985	2309	0	0	0	0	0	1433	7461	14824	65717	270
2116151	17992	11879	16150	1419	55	0	0	0	0	3930	11500	20717	83642	455
2116152	9812	6624	9410	884	207	10	0	0	0	405	3731	9600	40684	245
2116154	10476	10629	10722	8543	7792	7462	5273	8964	7436	8645	9423	11831	107196	141
2116156	17376	11925	15776	7291	4114	2824	2296	2872	2761	3476	10087	19508	100304	76
2116157	47296	42118	49670	31372	29270	24026	23734	23991	24517	30205	44013	55011	425222	86
2116158	53812	47117	58126	8528	0	0	0	0	52	7613	0	20127	195375	2169
2116159	4410	4002	4378	291	0	0	0	0	0	581	0	21176	34839	170
2116160	19053	26544	37294	16313	0	0	0	0	0	1142	0	58163	158510	547
2116161	178747	171404	189688	57566	0	0	0	0	0	1144	100809	178576	877935	518
2116162	162922	135977	159473	110420	101365	95323	92883	87782	96163	107683	143584	185899	1479474	2549
2116171	37965	28029	34848	15430	8101	0	0	0	0	9131	29986	43253	206742	1252
2116174	67892	50369	62469	28783	15227	1136	0	0	0	17158	54444	77414	374692	1252
2123295	6599	5974	6580	6640	1741	5273	6058	6729	6033	1483	5547	6641	65298	430
2123460	6373	5052	5619	600	0	0	0	0	0	46	2738	7003	27432	89
2123463	4315	3164	3573	2378	2170	1719	1492	1647	1791	2487	4343	4343	31053	80
2123467	6343	4719	5784	1946	743	587	479	489	521	1342	4476	6795	34224	80
2123484	3923	2893	3267	2157	1973	1564	1361	1511	1628	1775	2263	4018	28333	119
2123489	9824	7022	9061	348	1	4	0	2	0	8397	12504	47163	190	
2123490	5552	3706	5081	492	2109	4250	3733	3891	5311	1966	2592	6556	45240	50
2123495	12827	9843	12437	5549	5445	3179	3662	4740	0	4984	13741	13062	89469	120

**PHILADELPHIA GAS WORKS  
JANUARY 2017 - DECEMBER 2017**

MTR_NBR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL_CCF	Max Daily Qty (Dth)
2123504	32128	28075	34178	10117	1	1	1	0	1	10047	28689	35333	178572	276
2123509	18729	11824	14907	96	0	0	1	201	5786	7816	15457	26827	101644	430
2123510	7714	5725	7085	1757	818	94	0	13	0	0	5880	9856	38944	90
2123512	0	0	47791	31438	280	31	0	10	270	2430	12239	17302	111792	201
2123513	20383	11536	18648	1390	0	0	0	0	135	8397	17947	78435	380	
2123514	20187	14394	13910	531	82	141	164	400	306	885	8713	21261	80975	291
2123515	22263	16072	18405	2704	376	94	105	118	47	591	8559	24000	93334	211
2123516	20743	15890	18227	7026	4316	2357	1849	1876	2072	3261	11504	20404	109525	260
2123517	25812	19929	21578	7889	5016	4714	3678	3855	3958	5700	15046	22980	140157	430
2123519	71030	58534	62693	45535	36818	24114	26619	24007	26666	29478	51975	71233	528700	475
2123520	9723	7655	7945	819	109	0	0	0	65	142	2579	9248	38285	250
2123521	9312	7527	8990	408	0	0	0	0	0	43	5859	11429	43567	380
2123522	4435	3169	3864	364	0	0	0	21	0	291	1527	2792	16463	430
2123523	10589	6730	8071	717	372	0	0	0	0	0	1736	6625	34838	375
2123525	25479	19775	23587	4214	0	0	0	0	0	0	18332	26433	117820	81
2123526	0	0	0	21597	0	0	86	1918	1703	1965	9468	21766	58503	305
2123526	0	0	0	21597	0	0	86	1918	1703	1965	9468	21766	58503	305
2123527	12306	10081	10387	2885	0	0	0	0	0	789	9861	17066	63377	831
2123528	28195	20477	20784	10713	9392	859	0	0	0	2420	14343	19975	127157	430
2132737	51872	38352	45888	18343	11107	12893	10559	16843	14083	19316	37380	52150	328784	800
2132738	135566	107985	111839	99919	100217	94284	92888	96280	92432	95921	111995	136157	1275482	424
2132941	0	0	6351	6287	6566	5898	6086	6565	6199	5715	6502	5853	62022	591
2132966	5165	3913	4633	1766	1264	649	578	594	628	1124	3382	5527	29221	5500
2133043	0	0	0	0	0	0	0	0	0	0	0	3217	3217	541
2133053	0	0	0	0	0	0	0	0	0	0	0	0	0	257
2133065	6199	4481	5626	398	0	0	0	2	644	5140	6912	29402	269	
2133071	19678	15324	18182	7298	5704	3704	3395	3620	4044	5925	12841	20438	120152	1269
2133091	97610	44000	99849	92569	96162	100889	95892	88537	93505	93086	94051	88833	1084981	278
2133093	33647	22156	29187	5651	1230	234	1	0	327	3938	22682	27769	146824	500
2133386	1327	949	1131	171	0	0	0	0	0	21	917	1597	6111	495
2155650	0	0	0	0	0	0	0	0	0	710	4977	8360	14047	5500
2157680	67207	54831	56239	45067	44460	37097	35834	36080	33717	43938	53972	60583	569023	267
2157683	52677	47304	47874	43065	45015	43989	42551	43641	43522	44835	44559	49823	548856	550
2157683	52677	47304	47874	43065	45015	43989	42551	43641	43522	44835	44559	49823	548856	550
2157685	41554	30827	24883	11082	6859	3370	3110	3192	3347	7530	23475	38239	197468	479
2157686	10857	8294	11135	1445	31	0	0	10	0	791	5798	12838	51200	1465
2157687	33321	25804	31230	13624	6480	0	0	0	0	7179	22884	34202	174723	400
2157690	12153	7903	11783	527	0	0	0	0	0	75	6585	13265	52291	90
2157692	66229	50649	59300	19475	10611	8911	8121	8405	7895	13604	42860	69160	365221	852
2157693	7349	4651	7868	603	0	0	0	10	603	3274	7095	31453	300	
2157694	14536	11630	12878	3313	1801	228	0	0	0	1766	7326	12670	66149	325
2157695	32363	24430	27428	6143	3428	0	0	0	0	4096	20152	30518	148559	167
2157696	52578	43074	49878	26722	17809	12054	12069	14613	13730	20249	37094	51285	351155	450
2157697	56118	49017	57078	35871	21588	9191	9454	9919	9377	18025	29964	41355	346957	550
2157699	39364	34752	37353	4744	1385	138	0	0	0	0	25327	49635	192698	20
2157700	63393	56606	63605	50066	46232	42905	32981	36377	36682	44024	55687	74034	602573	2847
2157702	30029	23784	26570	22392	24097	18966	18815	18179	18869	29892	38952	36046	306592	43
2171219	91582	12502	80956	29613	18510	15507	12502	12332	1245	20980	62238	96470	511320	449
2171220	95889	73550	82898	55767	55360	56605	50776	57588	46049	40320	41173	53975	709951	600
2171221	26834	23599	26213	20245	21936	18097	18925	20299	19666	21058	23534	27272	267677	400
2171222	10474	7887	8916	997	0	10	0	0	62	790	3980	11703	44819	300
2171227	9830	6429	8584	167	0	0	0	0	0	0	8398	17335	50743	368
2171228	66647	56713	66635	47369	41887	37524	30686	28915	29221	33122	42183	61473	542375	480
2171229	0	0	0	0	0	0	0	0	0	0	0	24343	24343	1709
2171230	33220	19544	26747	1662	0	0	0	0	0	0	13614	30269	125056	340
2171231	76902	63923	66845	50482	39100	31739	34821	35652	30465	35307	51429	73847	590511	860
2171232	35416	28326	34492	623	103	0	0	0	0	0	0	0	98960	400
2171233	33426	23836	29877	9250	5796	3412	2996	3109	3626	6959	21094	36874	180256	650
2171234	70436	62795	74524	50351	48608	41114	38599	39549	46340	60339	72201	92272	697128	500
2171235	33029	21537	29078	2493	0	103	207	0	1870	15797	30162	134278	302	
2188099	2641	2323	2122	813	391	331	310	299	298	985	1817	2264	14593	89
2188130	2436	2315	2346	1251	830	302	306	312	378	982	1783	2112	15352	89
2188210	0	0	13195	74187	3216	3173	2976	0	3068	3181	3478	14058	120532	407
2188211	14639	12028	13060	4437	6281	3700	1751	3622	2390	3170	10100	15599	90778	605
2188212	16405	13482	15881	1934	0	0	0	0	0	1517	9561	16468	75249	706
2188213	7327	4715	4690	873	103	0	0	0	0	468	3242	6681	28100	418
2188214	26706	20167	23956	12297	10240	2553	684	1996	6940	12389	18277	24111	160317	272
2188215	25551	16332	18395	957	0	0	0	0	0	59	15940	30414	107648	1833
2188218	19047	14693	16926	1441	145	0	0	0	44	122	8501	14048	74967	100
2188219	54332	43177	53306	28685	17643	16272	16534	18748	20289	22615	41738	57972	391310	324
2188222	41736	33470	37961	17145	9960	6741	5218	6021	7181	13627	29956	42918	251934	599
2188223	9600	5927	7921	883	165	0	0	0	693	395	4603	8748	38936	1225
2188225	16085	13302	14821	8124	7363	7019	5754	4114	4341	4942	12926	17200	115992	523
2188226	85632	66363	72006	26478	10047	3568	2565	2900	3270	4347	5202	6058	288437	825
2188227	15941	10398	13520	1601	11	0	0	0	0	1147	13009	19636	75263	172
2198739	8459	7123	7992	1096	353	3	0	10	220	3359	7817	36432	189	
2198741	73305	56680	72501	62713	60360	74021	73504	56263	60927	16337	63984	64293	734887	300
2198744	0	0	0	606744	85777	79122	0	0	211558	51601	77948	78230	1190979	644
2198748	0	0	0	0	964003	101989	90375	88243	88828	64664	98774	98898	1595755	644
2198752	0	0	0	0	0	0	0	0	0	0	0	9435	9435	99
2198753	0	0	4363	818	0	0	0	0	0	412	3068	5515	14176	958
2198755	16311	12798	13890	5971	163	0	0	0	25	1904	10657	15710	77429	400
2198756	0	0	0	0	0	0	0	0	0	0	0	9313	9313	99
2211303	2948	2574	2805	1160	508	445	430	463	525	1037	2028	2609	17531	130
2211334	11272	13453	14628	7484	3937	1697	1368	1692	1735	1931	5331	9942	74470	449
2211338	75562	65259	78405	62082	62232	56826	58676	63852	47651	68607	74907	85980	800039	200
2211341	0	0	0	0	0	0	0	0	0	0	0	13253	13253	311

**PHILADELPHIA GAS WORKS  
JANUARY 2017 - DECEMBER 2017**

<u>MTR_NBR</u>	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>TOTAL_CCF</u>	<u>Max Daily Qty (Dth)</u>
2227843	0	0	0	24271	55362	49237	53314	41588	42661	49272	54493	52417	422615	302
2227846	0	0	0	22297	49839	43873	48073	37357	37162	43530	49757	48914	380801	1362
2227850	0	0	0	0	0	0	0	0	0	0	0	0	30638	144
2239836	8048	6855	10658	373	0	0	0	0	0	21	4509	14924	45389	313
2239838	19847	14873	17843	6974	6030	4952	4505	4612	4611	5545	13799	21440	125029	340
2239839	22536	15316	19826	4514	1995	331	361	114	10	810	15776	23808	105399	624
2239840	126403	92714	131369	50285	0	113	0	0	166	30272	79745	132759	643826	296
2239841	63148	56864	59468	41535	39055	32337	31198	32084	32162	34494	47425	61685	531454	576
2239843	92378	67837	85741	12307	0	0	0	0	0	7625	55696	88116	409699	127
2239845	79187	77271	90235	31977	32086	66667	66593	60645	64632	40419	34149	56594	700456	60
2245126	47111	34693	40535	12405	5710	0	0	0	0	8543	0	81341	230339	42

Tab 8

**Philadelphia Gas Works**

Pennsylvania Public Utility Commission  
52 Pa. Code §53.61, et seq.

**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:

- (9) A schedule depicting historic monthly end-user transportation through-put by customer. Each customer or account shall be identified solely by a unique alphanumeric code, the key to which may be provided subject to § 5.423 (relating to orders to limit availability of proprietary information).

**Response:**

Please see the attached schedule depicting the monthly end-user transportation through-put by customer.



**PHILADELPHIA GAS WORKS  
JANUARY 2017 - DECEMBER 2017**

MTR NBR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL CCF	Max Daily Qty (Dth)
1526423	13871	12090	14934	7491	4576	2564	2376	1679	549	5528	11490	17157	94305	400
1526435	92621	70629	83052	51419	52752	43627	40814	44461	32968	52750	67843	93434	726371	600
1526478	24851	18130	25549	2111	0	0	0	0	0	1109	16645	32998	121393	135
1546144	4422	3143	4898	281	0	0	0	0	10	343	3358	5402	21857	285
1546148	59000	47589	56505	11341	776	0	0	0	129	10802	44072	56353	286567	844
1553324	32420	24008	26218	7296	637	0	0	0	0	2183	21542	33131	147435	167
1553325	59554	41323	51827	11879	0	0	0	0	0	41999	70445	277027	277027	397
1553328	9110	6390	7685	880	0	0	0	0	0	731	5039	10665	40500	27
1553331	56824	40303	47431	8400	2628	1104	717	907	785	4982	39584	69633	273299	225
1553337	22221	18064	20527	4346	0	0	0	0	0	4809	15548	24408	109923	720
1571005	16671	11421	13192	2472	11	0	0	0	0	11	6396	13339	63513	1032
1571006	13536	8781	10838	3116	0	0	0	0	0	1191	6974	12635	57072	348
1575425	14228	11103	13937	1751	10	0	0	0	0	4872	12780	58683	28683	383
1582087	18529	12963	16953	688	22	0	0	0	21	172	9692	19807	78847	676
1582088	45216	34340	40653	10415	3754	3091	2924	2964	3036	9618	27420	43531	226962	42
1582089	52089	41957	48119	20453	4904	4229	4006	4151	4227	11973	33325	52042	281474	479
1594768	0	0	0	1051597	1381048	1208472	1233634	1241503	1226399	1316391	1319897	1354762	11333702	3432
1594769	0	0	0	0	0	0	0	104	104	0	0	0	208	92
1601880	11369	8137	10635	2329	0	0	0	0	0	384	4885	11465	49204	272
1611015	0	0	1143	32074	66328	50674	44548	48190	57594	44431	65025	27008	437015	547
1611016	0	0	0	904208	1178748	0	2068634	1049506	1027167	1102169	1102713	1135865	9569011	419
1611635	71057	52265	60991	18499	12894	6493	6098	6225	6420	11679	0	109923	362544	3300
1611639	13857	8554	9517	1156	0	0	0	0	0	11	5649	12631	51375	1465
1611640	8894	6391	6774	208	0	0	0	0	0	52	3659	10490	36469	240
1621317	354973	303048	335783	221012	337805	265233	306448	170122	192567	264142	267539	406342	3425014	92
1621318	24571	17283	19470	2040	145	41	10	0	21	0	11027	25527	100136	550
1658873	11768	6358	9607	1018	103	0	0	0	0	343	4478	13197	46873	1400
1658874	45440	41309	47003	41368	39945	33226	17524	35321	35964	40746	43028	35102	455977	402
1658875	24919	19172	23444	6927	2721	0	0	0	0	98	17046	28985	123313	400
1658876	22069	16628	23369	2437	0	0	0	0	0	914	17089	26805	109311	54
1658878	0	0	0	0	0	0	0	0	0	1652	29961	47641	79254	1222
1658879	11495	8415	10102	2412	765	537	630	798	1202	1609	6329	11462	55755	360
1658880	21512	19137	22519	17165	18273	15947	14082	16954	15267	17668	18147	17527	214200	272
1658882	35524	22890	30661	1995	0	0	0	0	0	1499	18028	32123	142520	31
1658883	0	0	0	0	2241	219638	32823	0	0	2367	14320	37938	309328	111
1658884	64453	48648	68983	17674	7957	5174	0	0	10562	8928	37000	60681	330060	240
1658885	4322	2621	6709	3739	22492	23355	42158	21654	16344	932	3434	22364	170124	400
1658886	0	0	0	0	0	0	0	0	0	0	0	0	0	90
1685268	6166	5110	8063	427	0	0	0	0	0	156	2920	8087	30928	144
1685269	32753	28737	33274	29070	24340	25028	27610	28666	25568	28612	30352	33841	347853	216
1685273	24972	18154	22183	6667	2285	1827	1937	1873	1970	3546	14568	23228	123209	782
1685275	3870	3310	2720	3870	3680	5280	3970	3500	4170	3170	2510	2850	42900	375
1685276	7086	6243	10658	1197	0	10	0	0	0	259	4810	11450	41713	437
1685277	22328	13600	20706	809	0	0	0	0	0	0	9248	24404	91095	380
1685278	35757	26013	36366	6734	4979	2749	2472	2745	2733	5624	22153	40705	189030	133
1685280	63624	52074	62401	45182	46505	39809	41774	49521	56566	50464	58473	66801	633194	625
1701736	0	0	0	11417	0	0	35888	0	0	0	26940	628797	703042	60
1701737	0	0	0	11417	0	0	36197	0	0	0	26940	619555	694110	432
1722879	14613	11620	13829	5405	4216	1837	1286	1459	1897	3433	9631	14449	83678	302
1722889	9193	7408	8968	1625	1144	0	0	0	0	1362	6928	10653	47281	373
1722906	20474	16977	18603	4897	0	1	0	0	0	3566	11648	18189	94355	222
1723873	3811	2855	3544	543	63	0	0	0	0	165	1873	6188	19042	958
1723876	10673	8092	8798	3151	1	0	0	0	0	1504	6318	10449	48985	151
1723898	44124	30339	29909	1452	0	0	0	0	104	2389	27134	47451	182901	424
1723900	31759	27667	32588	25033	24509	23158	21802	19380	17927	18275	21923	33103	297123	453
1723998	53922	43896	58969	32497	22456	14878	13711	14302	15813	23251	40250	52735	386678	907
1724001	20320	17166	13059	1203	166	0	0	0	21	0	11694	15280	78909	173
1724003	27963	20618	26662	7992	4896	3907	4019	3866	3927	5607	18445	31117	159018	305
1724008	36192	31484	35144	22942	21235	18827	18715	21058	20429	23654	33497	42736	325912	522
1724008	36192	31484	35144	22942	21235	18827	18715	21058	20429	23654	33497	42736	325912	522
1724010	22822	22811	24251	22096	24293	21827	20559	23978	20391	23874	22100	21869	270871	76
1724011	8393	6052	8398	612	0	0	0	0	21	1039	4386	10559	39459	907
1724230	9237	6680	7591	1013	3	10	9	11	9	390	4325	8452	37732	280
1724240	9969	5836	8504	397	0	0	0	1	0	205	4882	10697	40490	703
1724851	77100	65897	74040	47785	41468	40215	38127	40730	42174	40368	37195	71004	616103	1461
1724852	90617	77387	87092	56409	48912	48176	45463	48606	49842	47010	43117	84831	727461	228
1724853	39517	23599	26337	1778	0	0	0	0	0	1331	20981	40607	154150	144
1724854	86638	79785	90954	72607	77374	58211	46704	49124	49534	62308	85397	93401	852038	240
1724856	34995	21038	33645	5928	934	0	0	0	0	1871	23068	32890	154369	701
1756663	60939	43869	52107	10180	1291	0	0	0	0	1404	32398	64161	266350	223
1756664	27189	17256	21946	1430	31	0	0	0	0	1059	12749	25058	106718	346
1771898	2509	0	1970	50449	71731	108286	89897	120310	146967	108803	109519	35157	845599	648
1771899	9675	7292	8725	0	0	0	0	0	0	0	0	0	25692	90
1786008	374262	303876	351448	227912	207700	170378	158707	161157	162071	193775	280216	377160	2968661	5500
1786009	345029	280784	325022	211707	193218	158695	147754	150172	150258	179859	259435	348460	2750394	5500
1806076	56898	41402	49307	18082	15100	15094	15602	16789	14092	17339	40839	64326	364871	374
1806077	68854	55772	65071	17982	2379	1963	1860	1866	2072	5608	54231	67881	345540	277
1806079	24641	16762	23515	7279	10540	804	55	264	1209	1043	13973	20819	120905	107
1806080	10384	7225	10417	3803	4033	3702	1269	1648	3119	5899	10432	14640	76572	120
1806081	56415	51972	59431	56967	54270	49431	51690	53204	54499	59743	59050	59208	665878	700
1806092	38284	43422	38950	44969	34717	43165	40412	36786	37755	29937	35518	75298	499215	384
1826506	6227	5989	6126	4702	3495	3596	3424	4338	3561	4549	5097	5850	56954	302
1826561	9286	7036	8864	3818	1171	999	771	850	982	1513	5260	8110	48659	132
1826616	7313	5996	6624	2631	1641	260	0	0	225	1544	4242	7250	37926	703
1826674	14857	13899	16508	12264	10259	10317	8732	9032	8382	9660	14128	14424	140333	114
1884404	2608	2054	2411	649	246	207	201	228	224	614	1895			

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MTR_NBR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL_CCF	Max Daily Qty (Dth)
1884510	23313	17321	20467	7058	5844	5681	4786	5177	5798	5515	14204	24258	139421	34
1884513	9335	7226	6392	4488	4329	4064	800	107	255	2162	0	0	39159	241
1884532	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1884573	23067	15077	18488	1559	0	0	0	0	0	1041	12471	25237	96941	698
1884576	29616	22437	27512	13016	10783	0	33	0	0	6751	20041	33421	163609	89
1884577	21687	14984	19242	2457	25	0	0	0	0	2039	18443	27414	106292	624
1884579	6811	5518	6403	1382	0	0	0	0	0	1902	4457	7051	33525	174
1906514	1092600	927100	1014000	327600	0	0	0	0	0	0	0	0	3361300	92
1906623	9050	7624	8134	3415	1109	938	873	924	950	3701	7452	9332	53502	89
1906625	9750	9272	10669	7917	7878	6925	3947	6945	5804	6543	7830	8920	92400	30
1906628	9395	5775	7752	485	0	0	0	0	0	21	4061	9539	37028	90
1906630	5385	4245	4862	354	0	1	0	0	0	299	4344	5780	25270	43
1909300	1582990	1001500	1465170	674550	1240400	1351770	163290	130740	92000	0	0	0	7702410	644
1909301	10924100	10047900	10038000	8418900	7267900	6612900	10068000	9733200	7345200	10139800	9214800	10821800	110632500	5500
1909334	6122	4852	5669	2713	2678	1814	1310	1323	1300	2605	4286	6339	41013	98
1909351	8181	5470	5697	993	0	0	0	0	0	960	4812	8321	34434	504
1921575	10654	8919	11307	600	89	0	0	0	0	810	4695	11061	48134	281
1921578	7818	5960	7816	2896	2080	2060	1342	1849	2014	2230	6695	8354	51113	81
1921579	4092	3939	4376	2232	1404	905	673	706	961	1516	1850	2679	25334	843
1921700	39586	31654	34858	5970	0	0	0	0	0	2562	25515	35520	175666	549
1921701	35684	26869	29283	15357	13899	10004	9568	10471	10966	12320	20785	36030	231235	42
1921703	37786	27362	28658	9506	4590	0	0	0	0	6286	26155	35217	175559	400
1954681	53222	42733	47218	28367	23995	21606	20975	22075	21864	24295	40934	54884	402166	127
1954683	45584	34687	39063	22855	20066	14784	15396	15546	15749	18899	30443	45462	318535	200
1954684	70420	47744	59713	10172	0	0	0	0	0	5564	37571	65640	296824	296
1986388	5217	3569	4357	530	0	0	0	0	0	295	2999	5399	22364	38
1987495	14772	11259	12708	10578	13204	14614	10063	17203	12656	14451	13389	10322	155221	216
1987496	12990	9681	12262	1258	0	41	0	0	83	1486	9107	17164	64071	50
1987500	44614	28935	41221	0	0	0	0	0	0	0	29669	52963	197403	479
1987633	3609	2689	3162	203	0	0	0	0	0	6	2054	3647	15370	1252
1987683	1209	970	1237	142	16	0	0	0	0	2	788	1390	5753	302
1987743	0	1545	2142	454	103	0	0	0	0	27	415	1633	8832	1461
1987777	9868	8568	9271	7610	8042	7509	7127	8142	6641	8898	8700	8586	98962	43
1987785	6701	5526	6384	3750	0	0	1750	0	0	0	0	0	24111	120
1987786	7510	5929	6681	475	0	0	0	0	0	5	5144	8163	33907	48
1987797	0	0	0	46046	20391	8933	7407	8531	7577	9275	11907	14609	134675	302
1987801	28171	16593	24695	9001	5405	10426	22410	18300	13908	9199	17858	28433	204397	75
1987803	52657	39009	47563	41339	50045	64327	78087	72908	60087	55094	38235	53745	653096	296
1987805	11264	7582	9776	1865	718	287	254	277	256	1284	5969	12024	51556	340
1987808	63	32	0	0	0	0	0	715	10370	1326	0	0	12505	370
1987810	9372	6950	7910	883	0	0	10	0	10	530	5538	9882	41085	2087
1987812	11715	7731	10015	1366	382	0	0	0	0	477	8980	14441	55106	1046
1987814	509795	502827	550500	511596	507075	488117	398100	525264	485454	525830	498054	413823	5916435	3432
1987815	69164	60979	67700	33529	23132	21733	19229	15820	18176	31005	56207	78428	495102	131
1989421	22484	16827	17335	2861	0	0	0	0	3	0	12695	22765	94969	400
1989422	4476	2642	1898	42	1	1	0	0	0	8	1535	4289	14892	73
1989426	29628	21495	25921	7309	4889	2604	2372	2655	2625	6533	19375	30098	155504	383
1989428	59044	46571	58319	29937	28361	14757	11078	13509	16698	26642	47694	69437	422048	302
1989625	1043	474	622	14	8	5	4	0	4	0	0	0	2175	454
1989652	18854	33363	0	57110	8366	6468	3781	3896	4069	4552	9541	18297	168297	226
2012845	9717	6388	6872	6200	6276	5647	5044	5225	5098	6532	7238	75612	4008	500
2012851	4076	3289	3278	1697	899	239	343	353	582	1239	2581	3779	22355	90
2012853	3884	3260	3105	2251	1264	331	127	244	603	1547	2945	3753	23316	72
2012857	3385	2641	2533	1444	925	223	86	282	592	1035	2168	2900	18215	72
2012880	8606	6598	7780	3046	2104	1194	882	854	896	1506	4932	8349	46748	396
2012886	3802	2782	3343	902	241	1	0	0	0	0	0	0	11071	75
2023712	1563	1197	1959	263	0	0	0	0	0	1	655	1935	7571	1461
2023812	13266	9554	11484	3801	2488	2125	1943	1910	1960	2607	7355	12575	71069	235
2023825	6859	4341	5931	438	0	0	0	0	0	59	3413	6229	27271	541
2023831	3660	3213	3586	3060	2927	2526	2333	2198	2451	2674	2954	3445	35027	89
2023840	6198	4846	5928	2263	1279	712	656	664	681	1489	4710	6438	35864	934
2023947	9451	7014	8281	5145	3807	3312	2911	2955	2931	3669	5937	8269	63680	418
2023948	20459	16739	15866	4976	2783	2694	2748	2922	3121	6833	15802	22967	117910	81
2023952	37497	27576	31113	11228	6723	5758	5528	6052	5295	5347	23817	34195	200129	140
2023953	70349	55740	68516	41845	35281	24959	23018	24500	26572	35272	51825	75952	533828	576
2023955	86967	63809	68554	17666	8169	5439	4662	5356	4607	13502	58102	83825	420660	149
2023958	19089	14431	20582	3200	0	0	0	0	0	278	4174	14298	76051	397
2023960	16152	14536	21680	17943	19376	22698	20894	26643	17756	21972	23644	31073	254365	1151
2024285	6723	5053	5983	2398	1581	593	504	521	582	1480	4511	6945	36875	4740
2024290	6914	5281	6103	2764	2039	626	527	519	553	1852	5223	6985	39385	64
2024299	6558	4805	5539	2053	1359	686	570	777	724	1376	4142	6774	35363	64
2024307	13417	8258	10916	1504	307	0	0	1	1	677	8873	15014	58967	360
2024367	4513	3367	4997	412	0	0	0	0	0	3	208	2745	20955	26
2024389	4514	4158	4514	408	0	0	0	0	0	509	2063	4549	20715	90
2024604	5292	4433	4979	4786	5233	5333	5215	6241	8102	9775	6847	5276	71511	110
2024644	10155	7822	7972	2848	1917	1429	1269	1496	1535	1466	4677	6884	49471	340
2024645	14821	11775	13077	3619	2108	846	551	708	1021	3190	12037	14003	77755	313
2024648	31658	26076	28958	21378	20875	18515	17060	17456	16043	18751	21621	24066	262460	490
2024675	722	651	666	572	579	463	423	467	469	515	698	852	7077	64
2024683	28047	20754	23965	8997	4943	2102	1775	1837	1957	6449	18464	26804	146094	360
2024684	6685	4594	5143	494	0	31	0	7	10	363	3427	5904	26660	281
2024690	30460	24810	27573	10562	11730	4659	4857	0	0	36823	32184	37138	220796	300
2024694	9548	6857	9900	1311	85	0	0	0	0	260	4517	12389	44867	377
2024698	7171	5113	6526	1393	0	0	0	0	0	470	4358	8021	33050	272
2024702	21140	15002	18298	2823	2038	114	0	0	0	1218	11799	17641	90072	58
2024703	17377	12641	15565	2686	1367	0	0	0	0	1616	10945	16771	78968	50
2024704	10647	6352	9393	711	0	0	0	0	0	558	6155	11860	45676	313

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MTR_NBR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL_CCF	Max Daily Qnty (Dth)
2024705	16041	12705	14398	4672	3171	3258	2938	2837	2789	3553	11447	17741	95549	522
2024706	7256	4774	6378	229	63	0	0	1	1	142	2232	7772	28848	156
2024712	17634	10948	13105	1537	0	0	0	0	0	27	6317	16938	66507	120
2024714	10310	6170	8524	373	1	2	5	24	38	493	5091	9101	40132	167
2024715	21550	16166	21030	1229	0	0	0	0	0	10608	21252	91836	503	
2024719	7917	5658	5847	1595	1723	1674	1191	580	581	990	4056	7294	39105	573
2024851	16958	10282	14729	3856	2196	71	0	0	0	2741	13325	19333	83492	244
2024992	1729	1234	1566	361	126	6	0	0	0	24	586	1566	7198	1851
2025003	5516	3964	4683	1996	4277	2776	1687	2028	2804	3970	4548	5577	43827	54
2025031	11992	10725	10465	1674	1	0	0	0	0	0	0	0	34857	90
2025049	3966	3111	4406	2759	2451	1682	2185	3624	3337	3381	3711	5633	40246	277
2025082	2441	1925	2283	897	809	157	0	60	322	910	1798	2727	14329	75
2025099	4346	2772	3753	659	12	0	0	0	0	98	2569	5884	20093	54
2025107	9348	6083	8172	1109	0	0	0	0	0	4462	9871	39045	576	
2025139	15475	12055	10355	1927	0	0	0	0	0	1342	7404	10740	59298	408
2025146	5579	4052	5361	666	0	12	4	0	17	412	3150	5988	25242	140
2025149	7286	6197	6708	1829	1147	670	683	846	1523	1656	2019	2504	33068	14
2025150	7715	5127	6382	740	135	0	0	0	0	1095	4564	7536	33295	178
2025156	7139	5372	5233	1075	0	0	0	21	0	555	4365	5809	29568	139
2025158	13311	9201	14239	691	1	1	1	1	0	727	5699	11792	55662	626
2025166	4937	3029	3503	237	0	0	0	1	2	48	2622	4030	18409	192
2025172	5134	3738	4984	618	0	9	4	0	17	374	2740	5522	23140	175
2025174	7413	6750	7864	6497	5532	3406	3454	2539	2522	2878	3103	5486	57445	78
2025178	15296	13038	16325	9697	7456	5801	7327	6974	7026	9143	12963	19844	130890	149
2026643	21268	5912	7867	1072	0	0	0	0	0	0	0	0	36118	189
2026737	8527	5177	7373	2215	39	0	0	49	154	172	2575	10485	36767	143
2026758	11253	8349	11004	2730	0	0	0	0	0	0	5313	13644	52294	250
2026766	15714	12675	13088	2094	516	0	0	0	0	2261	8435	13830	68613	272
2026784	9227	6174	8530	4034	2475	1103	559	587	703	2344	6429	9873	52036	420
2026819	21361	17143	19929	10468	17161	18244	546	5582	12672	8090	15078	18331	164604	425
2026820	18242	15744	16827	15339	16413	12567	10154	8634	16991	18009	18368	19742	187029	300
2026838	15448	11265	13707	1781	0	0	0	0	0	1286	8854	16685	69027	946
2026870	3428	2511	2858	387	0	0	0	0	0	303	2012	3783	15282	1851
2026874	3696	2634	3301	812	0	0	0	0	0	239	1994	3687	16363	703
2027160	8979	6202	7935	1882	0	0	0	0	0	1034	6099	8516	40646	164
2027375	22006	17286	20201	8951	5852	4068	3331	3391	3900	5826	14820	22859	132491	180
2027381	5047	3518	4057	1495	1313	1111	980	1191	1042	1301	3548	4836	29440	513
2027383	8222	7140	7922	2482	0	0	0	0	0	180	5026	8372	39345	645
2027386	7147	5776	6465	6936	5736	4548	5185	5868	4211	4284	5391	3991	65538	141
2027387	15635	11168	13194	5851	7600	4297	4837	4500	4708	6364	13837	20529	112520	224
2027392	10549	8680	10005	6664	6450	4903	3784	5036	4442	5648	8413	9804	84378	400
2027401	11033	9196	11045	5840	4837	3754	3336	6324	5143	5646	6336	9470	81960	305
2027402	13230	10967	13178	6807	5719	4532	4011	7759	6223	6781	7608	11341	98157	707
2027403	19939	15648	18540	7949	6235	4060	3515	3671	3982	5898	12936	20629	123001	400
2027406	33695	25288	33844	22588	22426	22853	20672	26308	23874	27541	29021	34685	322794	209
2027423	5587	3813	4534	957	375	1	0	0	0	711	3444	5780	25202	1709
2027430	4918	3428	4122	1481	1313	1113	1003	1178	1007	1377	3480	4902	29322	232
2027433	7051	5018	6672	1817	1163	2465	3430	1908	2179	2011	4458	8121	46293	450
2027434	5878	4229	5696	1566	1022	2287	3421	2978	1801	1622	3984	7165	41650	455
2027443	19609	14549	18504	5781	5053	3157	2893	3178	2965	4074	11748	21571	113081	430
2027454	6502	6049	6350	1823	181	0	0	0	0	768	3628	6743	32046	127
2027464	13598	9270	11244	2027	1042	0	0	0	0	1509	8396	17305	64390	424
2027476	9287	8513	10720	5841	6749	4810	4680	4906	4602	5737	7627	9930	83401	82
2027477	3325	3118	3130	2463	2801	2428	2011	2789	2267	2496	2545	2135	31508	162
2027483	12376	9571	12095	1178	0	1	0	1	0	892	7884	16063	60061	95
2027484	12930	9510	12871	1259	0	0	0	0	0	1136	11738	25547	74990	98
2027485	38530	29696	33344	9922	4811	3791	3301	3481	3822	4505	24061	32512	191777	1461
2027494	22138	16705	19665	3595	0	0	0	0	0	4199	15430	23400	105132	100
2027498	29319	25917	29488	24751	29556	30763	30626	30019	27813	31007	32215	31428	352901	90
2027509	21449	16577	19960	11567	8491	7410	7319	8178	8077	8669	17155	25241	160094	450
2027510	7663	6971	8103	6711	7626	8507	7954	7875	6013	8145	7501	7645	90712	215
2027520	16219	10605	13303	2851	0	0	0	0	10	2071	8132	12067	65258	149
2027524	30270	17498	25861	9295	5595	11248	24312	19923	15166	10049	18944	29877	218036	207
2027527	19494	15164	18480	6879	1461	1592	967	3061	3560	4516	12955	13684	101813	64
2027529	51460	38414	46269	11934	7967	5901	5294	6167	7537	18179	35496	51798	286417	706
2027531	14895	10897	12974	2953	994	30	0	0	11	3268	9428	13570	69020	3128
2027533	13728	10191	12645	3778	1	0	0	0	1	1589	9689	16056	66878	58
2027536	6785	4428	5710	444	0	0	0	0	0	3640	8061	29068	416	
2027544	29943	22299	29831	19607	19662	19865	17927	22845	20865	24263	25667	30824	283598	64
2027560	7315	5874	5653	3565	2960	0	4405	2230	2715	3044	5425	6371	49556	432
2027563	10691	6344	6367	631	0	0	0	0	0	4015	9546	37594	388	
2027564	4721	3497	4449	1353	670	358	374	422	491	872	5524	9436	32167	728
2027581	14390	10483	12408	1163	0	0	0	0	3	1521	9329	14889	64185	354
2027583	39196	35663	39120	38904	40473	40075	41360	39407	38044	39252	38089	36925	466508	202
2027589	10489	7228	8712	1443	0	0	0	0	0	862	5376	11625	45734	153
2027591	4054	3958	2991	1904	1846	1640	1366	1359	1122	1319	1811	2538	25908	83
2027599	5359	4264	4952	3098	2505	1838	2005	2278	2302	2806	4548	6178	42132	123
2027620	15052	10601	14062	3286	2669	1	1	128	193	1954	11551	17512	77009	424
2027625	4099	3806	4244	1386	619	284	183	381	818	870	3260	5640	25590	1565
2027635	4707	3704	4132	3272	3628	4079	4360	4214	3969	3905	3263	4619	47853	500
2027641	11580	9653	9081	665	0	0	0	0	0	0	6840	12955	50774	368
2027642	17584	10720	15948	1109	0	0	0	0	137	1441	9925	19548	76411	392
2035210	2225	1730	2276	656	30	0	0	0	0	442	1758	2814	11931	403
2035356	2260	1582	1937	647	0	0	0	0	0	171	1345	2452	10095	31
2035366	2712	1942	2232	331	0	0	0	0	0	138	1964	3654	13273	311
2035408	2732	1704	2220	399	183	0	0	0	0	238	1674	2835	11987	127
2035554	4770	3663	4310	1595	792	601	524	555	598	1192	3426	5199	27226	240

**PHILADELPHIA GAS WORKS**  
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MTR_NBR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL_CCF	Max Daily Qty (Dth)
2035694	1274	872	1018	125	0	0	0	0	0	5	844	1658	5795	60
2035839	5997	4616	5305	2216	1652	2250	2173	2202	2234	2392	3855	6065	40956	112
2035886	6601	8197	1060	0	0	0	0	0	0	0	0	0	15858	95
2035891	7780	6711	7650	4799	4064	2368	2458	3004	3283	4680	7281	8206	62282	591
2035943	3855	3073	3677	2089	2029	2122	2385	2272	2262	2563	3539	4931	34795	240
2035967	6628	5928	6585	6287	7132	6366	5966	6762	7577	7575	7043	6833	80702	685
2035975	11898	9272	11300	8459	9303	7654	7286	8313	7572	10006	10141	12354	113558	554
2035986	4242	3994	4284	2276	2400	2127	1750	2247	1897	2227	2869	3647	33961	599
2036046	3084	2649	2691	1668	0	0	0	1	0	0	1990	3008	15091	120
2036145	18965	14237	17825	7404	5789	3823	0	0	13	2733	8662	16518	95970	25
2036147	4896	3723	4142	615	382	50	2	49	66	164	2533	6104	22715	312
2036151	9204	6974	8158	3145	1004	0	0	0	0	655	6712	9199	45053	202
2036167	16129	10668	12862	3464	1610	0	0	0	0	2467	10867	15289	73357	4372
2036180	43598	37214	44961	34563	33121	24791	23394	26614	25486	28228	28277	36429	386677	1362
2036185	13291	13230	16480	1197	0	0	0	0	0	1060	9481	20263	75003	72
2036186	102466	79259	94286	26017	0	10	0	0	0	5621	69768	117398	494845	141
2036187	38773	29829	29029	7254	2529	0	0	0	0	2825	19872	42454	172564	576
2036188	22883	16198	20446	11280	11024	12764	14195	15389	14012	13693	16974	24650	193509	1300
2036189	16489	11658	15757	1311	0	0	0	0	11	973	9972	22252	78423	168
2036191	44937	52478	46901	33384	14357	42615	55407	65460	34850	45298	23375	61993	521055	120
2036192	53029	45034	51752	34493	32671	28656	29194	35524	33577	41008	49107	70273	504318	740
2036193	15417	9846	14837	1144	0	0	0	0	0	1560	6857	17614	67274	126
2036194	298347	291995	297914	296764	272139	223272	296848	281241	327862	330570	368827	378747	3664527	89
2036195	26403	21889	27987	2601	1551	0	0	0	0	2389	13510	34469	130799	120
2064820	2251	1470	1918	167	1	0	0	0	0	140	1169	2642	9757	99
2064880	1996	1791	1945	1218	3185	2990	2252	1596	2228	2373	2382	2855	26811	115
2064920	8412	6180	9774	5009	4855	4185	0	0	0	0	15720	13773	67909	375
2064973	183062	154104	175062	115325	106655	84708	87373	89750	86751	101765	138765	184845	1508165	400
2064974	25388	14372	21849	1157	0	0	0	0	0	62	12098	28228	103154	456
2064975	19664	17240	20294	17696	20144	18098	15674	16219	15974	19387	20278	21771	222440	200
2064976	25416	22176	26080	7163	0	0	0	0	0	2367	19039	29672	131913	172
2064977	9403	5929	8755	1839	145	0	0	0	0	582	4927	10989	42569	250
2064979	22466	13989	20860	9597	9829	14118	17295	17905	21778	10138	12938	20763	191677	235
2064980	58792	40603	58561	8213	332	0	0	111	0	5548	27407	46624	246191	223
2064981	0	0	0	0	0	0	0	0	415	0	0	0	415	11586
2064982	801076	656883	700714	411626	374550	294857	284143	298274	312114	363223	547990	801654	5847104	5500
2070242	2900	1811	2225	563	0	0	0	0	21	355	1522	2730	12127	302
2070249	3887	2945	4218	1102	0	0	0	0	0	208	1459	2906	16725	336
2070260	2976	2205	2704	744	0	0	0	0	0	406	1999	3220	14255	958
2070271	3569	3092	3848	1460	0	0	0	5	0	439	2220	3421	18055	419
2090400	217543	178547	217860	138889	146949	185648	228551	130350	110465	123670	169875	261148	2109495	419
2094623	80130	88683	79896	91252	75784	79550	71117	68125	72856	69010	80360	160435	1015199	1046
2115067	4539	4015	4373	364	0	0	0	0	0	1505	2969	4053	21819	316
2115136	6615	4907	4951	322	0	0	0	0	0	276	1911	7828	26809	72
2115137	31771	23549	27968	5063	0	0	0	0	0	0	14850	22847	126049	417
2115141	4857	4484	5221	273	0	0	0	58	27	345	2827	5837	23928	26
2115143	10551	7161	7897	1446	1	0	0	0	0	726	6978	11883	46643	750
2115434	785	597	681	126	0	0	0	0	0	0	429	844	3463	541
2115543	4847	3396	4404	975	466	0	0	0	0	723	3300	5057	23168	64
2115588	10228	7882	8505	3038	2049	1716	1609	1734	1630	2036	5789	8969	55184	100
2115589	9295	7243	7859	2854	1930	1528	1434	1529	1452	1878	5363	8152	50516	168
2115593	16505	13504	15710	8674	8911	8992	6383	8366	8878	9646	12590	14219	132377	388
2115595	21166	0	0	0	0	0	0	0	0	0	0	0	21166	301
2115831	39938	36036	31436	5850	0	0	0	0	0	0	4255	21044	138559	330
2115832	32314	26117	30958	21720	23281	19765	16429	21547	21677	22489	26347	34401	297044	375
2115833	8188	5691	7569	590	0	0	0	0	0	143	4474	8509	35164	690
2115837	23264	18764	21171	15673	13110	9195	8853	9524	9768	12988	18620	23706	184635	782
2115841	58718	47155	53196	49577	46719	36116	33542	38998	32333	44031	47128	54893	542406	183
2115842	6758	4678	8142	679	0	0	0	0	13	603	3501	8385	32761	748
2115844	71109	57703	64523	60520	58545	47710	45828	50241	43584	55090	58098	67046	679996	244
2115901	591	398	554	104	0	0	0	0	0	1	320	576	2544	925
2116004	4489	3276	4698	841	0	0	0	0	0	272	3662	5359	22597	103
2116016	3062	2099	2684	558	284	5	0	0	12	286	1850	3268	14109	5500
2116023	2740	2190	1872	1819	2008	2242	1647	1788	1863	2497	3058	3021	26744	201
2116148	10748	6985	9287	2900	1823	1003	961	953	1005	2461	7254	10402	55782	500
2116149	6500	5052	7094	509	0	0	0	0	31	291	2712	7697	29887	341
2116150	15438	11268	12985	2309	0	0	0	0	0	1433	7481	14824	65717	270
2116151	17992	11879	16150	1419	55	0	0	0	0	3930	11500	20717	83642	455
2116152	9812	6624	9410	884	207	10	0	0	0	405	3731	9600	40684	245
2116154	10476	10629	10722	8543	7792	7462	5273	8964	7436	8645	9423	11831	107196	141
2116156	17376	11925	15776	7291	4114	2824	2296	2872	2761	3476	10087	19508	100304	76
2116157	47296	42118	49670	31372	29270	24026	23734	23991	24517	30205	44013	55011	425222	86
2116158	53812	47117	58126	8528	0	0	0	0	52	7613	0	20127	195375	2169
2116159	4410	4002	4378	291	0	0	0	0	0	581	0	21176	34839	170
2116160	19053	26544	37294	16313	0	0	0	0	0	1142	0	58163	158510	547
2116161	178747	171404	189688	57566	0	0	0	0	0	1144	100809	178576	877935	518
2116162	162922	135977	159473	110420	101365	95323	92883	87782	96163	107683	143584	185899	1479474	2549
2116171	37965	28029	34848	15430	8101	0	0	0	0	9131	29986	43253	206742	1252
2116174	67692	50369	62469	28783	15227	1136	0	0	0	17158	54444	77414	374692	1252
2123295	6599	5974	6580	6640	1741	5273	6058	6729	6033	1483	5547	6641	65298	430
2123460	6373	5052	5619	600	0	0	0	0	0	46	2738	7003	27432	89
2123463	4315	3164	3573	2378	2170	1719	1492	1647	1791	1974	2487	4343	31053	80
2123467	6343	4719	5784	1946	743	587	479	489	521	1342	4476	6795	34224	80
2123484	3923	2893	3267	2157	1973	1564	1361	1511	1628	1775	2263	4018	28333	119
2123489	9824	7022	9061	348	1	4	0	2	0	8397	12504	47163	190	
2123490	5552	3706	5081	492	2109	4250	3733	3891	5311	1966	2592	6556	45240	50
2123495	12827	9843	12437	5549	5445	3179	3662	4740	0	4984	13741	13062	89469	120

**PHILADELPHIA GAS WORKS  
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MTR_NBR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL_CCF	Max Daily Qty (Dth)
2123504	32128	28075	34178	10117	1	1	1	0	1	10047	28689	35333	178572	276
2123509	18729	11824	14907	96	0	0	1	201	5786	7816	15457	26827	101644	430
2123510	7714	5725	7085	1757	818	94	0	13	0	5880	9856	38944	90	201
2123512	0	0	47791	31438	280	31	0	10	270	12239	17302	111792	201	201
2123513	20383	11536	18648	1390	0	0	0	0	135	8397	17947	78435	360	360
2123514	20187	14394	13910	531	82	141	164	400	306	885	8713	21261	80975	291
2123515	22263	16072	18405	2704	376	94	105	118	47	591	8559	24000	93334	211
2123516	20743	15890	18227	7026	4316	2357	1849	1876	2072	3261	11504	20404	109525	260
2123517	25812	19929	21578	7889	5016	4714	3678	3855	3958	5700	15046	22980	140157	430
2123519	71030	58534	62693	45535	36818	24114	26619	24007	26666	29478	51975	71233	528700	475
2123520	9723	7655	7945	819	109	0	0	65	142	2579	9248	38285	250	250
2123521	9312	7527	8990	408	0	0	0	0	43	5859	11429	43567	380	380
2123522	4435	3169	3864	364	0	0	0	21	0	291	1527	2792	16463	430
2123523	10589	6730	8071	717	372	0	0	0	0	1736	6625	34838	375	375
2123525	25479	19775	23587	4214	0	0	0	0	0	18332	26433	117820	81	81
2123526	0	0	0	21597	0	0	86	1918	1703	1965	9468	21766	58503	305
2123527	12306	10081	10387	2885	0	0	0	0	0	789	9861	17066	63377	831
2123528	28195	20477	20784	10713	9392	859	0	0	0	2420	14343	19975	127157	430
2132737	51872	38352	45888	18343	11107	12893	10559	16843	14083	19316	37380	52150	328784	800
2132738	135566	107985	111839	99919	100217	94284	92888	96280	92432	95921	111995	136157	1275482	424
2132941	0	0	6351	6287	6566	5898	6086	6565	6199	5715	6502	5853	62022	591
2132966	5165	3913	4633	1766	1264	649	578	594	628	1124	3382	5527	29221	5500
2133043	0	0	0	0	0	0	0	0	0	0	0	3217	3217	541
2133053	0	0	0	0	0	0	0	0	0	0	0	0	0	257
2133065	6199	4481	5626	398	0	0	0	2	644	5140	6912	29402	269	269
2133071	19678	15324	18182	7298	5704	3704	3395	3620	4044	5925	12841	20438	120152	1269
2133091	97610	44000	99849	92569	96162	100889	95892	88537	93505	93086	94051	88833	1084981	278
2133093	33647	22156	29187	5651	1230	234	1	0	327	3938	22682	27769	146824	500
2133386	1327	949	1131	171	0	0	0	0	21	917	1597	6111	495	495
2155650	0	0	0	0	0	0	0	0	710	4977	8360	14047	5500	5500
2157680	67207	54831	56239	45067	44460	37097	35834	36080	33717	43938	53972	60583	569023	267
2157683	52677	47304	47874	43065	45015	43989	42551	43641	43522	44835	44559	49823	548856	550
2157683	52677	47304	47874	43065	45015	43989	42551	43641	43522	44835	44559	49823	548856	550
2157685	41554	30827	24883	11082	8859	3370	3110	3192	3347	7530	23475	38239	197468	479
2157686	10857	8294	11135	1445	31	0	0	10	0	791	5798	12838	51200	1465
2157687	33321	25804	31230	13624	6480	0	0	0	0	7179	22884	34202	174723	400
2157690	12153	7903	11783	527	0	0	0	0	0	75	6585	13265	52291	90
2157692	66229	50649	59300	19475	10611	8911	8121	8405	7895	13604	42860	69160	365221	852
2157693	7349	4651	7868	603	0	0	0	10	603	3274	7095	31453	300	300
2157694	14536	11630	12878	3313	1801	228	0	0	0	1766	7326	12670	66149	325
2157695	32363	24430	27428	6143	3428	0	0	0	0	4096	20152	30518	148559	167
2157696	52578	43074	49878	26722	17809	12054	12069	14613	13730	20249	37094	51285	351155	450
2157697	56118	49017	57078	35871	21588	9191	9454	9919	9377	18025	29964	41355	346957	550
2157699	39364	34752	37353	4744	1385	138	0	0	0	25327	49635	192698	20	20
2157700	63393	56606	63605	50066	46232	42905	32961	36377	36682	44024	55687	74034	602573	2847
2157702	30029	23784	26570	22392	24097	18966	18815	18179	18869	29892	38952	36046	306592	43
2171219	91582	69385	80956	29613	18510	15507	12502	12332	1245	20980	62238	96470	511320	449
2171220	95889	73550	82698	55767	55360	56605	50776	57588	46049	40320	41173	53975	709951	600
2171221	26834	23599	26213	20245	21936	18097	18925	20299	19666	21058	23534	27272	267677	400
2171222	10474	7887	8916	997	0	10	0	0	62	790	3980	11703	44819	300
2171227	9830	6429	8584	167	0	0	0	0	0	8398	17335	50743	368	368
2171228	66647	56713	66635	47369	41887	37524	30686	28915	29221	33122	42183	61473	542375	480
2171229	0	0	0	0	0	0	0	0	0	0	0	24343	24343	1709
2171230	33220	19544	26747	1662	0	0	0	0	0	13614	30269	125056	340	340
2171231	76902	63923	66845	50482	39100	31739	34821	35652	30465	35307	51429	73847	590511	860
2171232	35416	28326	34492	623	103	0	0	0	0	0	0	0	98960	400
2171233	33426	23836	29877	9250	5796	3412	2996	3109	3626	6959	21094	36874	180256	650
2171234	70436	62795	74524	50351	48608	41114	38599	39549	46340	60339	72201	92272	697128	500
2171235	33029	21537	29078	2493	0	103	207	0	1870	15797	30162	134278	302	302
2188099	2641	2323	2122	813	391	331	310	299	298	985	1817	2264	14593	89
2188130	2436	2315	2346	1251	830	302	306	312	378	982	1783	2112	15352	89
2188210	0	0	13195	74187	3216	3173	2976	0	3068	3181	3478	14058	120532	407
2188211	14639	12028	13060	4437	6281	3700	1751	3622	2390	3170	10100	15599	90778	605
2188212	16405	13482	15881	1934	0	0	0	0	0	1517	9561	16468	75249	706
2188213	7327	4715	4690	873	103	0	0	0	0	468	3242	6681	28100	418
2188214	26706	20167	23956	12297	10240	2553	684	1996	6940	12389	18277	24111	160317	272
2188215	25551	16332	18395	957	0	0	0	0	0	59	15940	30414	107648	1833
2188218	19047	14693	16926	1441	145	0	0	0	44	122	8501	14048	74967	100
2188219	54332	43177	53306	28685	17643	16272	16534	18748	20289	22615	41738	57972	391310	324
2188222	41736	33470	37961	17145	9960	6741	5218	6021	7181	13627	29956	42918	251934	599
2188223	9600	5927	7921	883	165	0	0	0	693	395	4603	8748	38936	1225
2188225	16085	13302	14821	8124	7363	7019	5754	4114	4341	4942	12926	17200	115992	523
2188226	85632	66363	72006	26478	10047	3568	2565	2900	3270	4347	5202	6058	288437	825
2188227	15941	10398	13520	1601	11	0	0	0	0	1147	13009	19636	75263	172
2198739	8459	7123	7992	1096	353	3	0	10	220	3359	7817	36432	189	189
2198741	73305	56680	72501	62713	60360	74021	73504	56263	60927	16337	63984	64293	734887	300
2198744	0	0	0	606744	85777	79122	0	0	211558	51601	77948	78230	1190979	644
2198748	0	0	0	0	964003	101969	90375	88243	88828	64664	98774	98898	1595755	644
2198752	0	0	0	0	0	0	0	0	0	0	0	9435	9435	99
2198753	0	0	4363	818	0	0	0	0	0	412	3068	5515	14176	958
2198755	16311	12798	13890	5971	163	0	0	0	25	1904	10657	15710	77429	400
2198756	0	0	0	0	0	0	0	0	0	0	0	9313	9313	99
2211303	2948	2574	2805	1160	508	445	430	463	525	1037	2028	2609	17531	130
2211334	11272	13453	14628	7484	3937	1697	1368	1692	1735	1931	5331	9942	74470	449
2211338	75562	65259	78405	62082	62232	56826	58676	63852	47651	68607	74907	85980	800039	200
2211341	0	0	0	0	0	0	0	0	0	0	0	13253	13253	311

**PHILADELPHIA GAS WORKS  
JANUARY 2017 - DECEMBER 2017**

<u>MTR NBR</u>	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>TOTAL CCF</u>	<u>Max Daily Qty (Dth)</u>
2227843	0	0	0	24271	55362	49237	53314	41588	42661	49272	54493	52417	422615	302
2227846	0	0	0	22297	49839	43873	48073	37357	37162	43530	49757	48914	380801	1362
2227850	0	0	0	0	0	0	0	0	0	0	0	0	30638	144
2239836	8048	6855	10658	373	0	0	0	0	0	21	4509	14924	45389	313
2239838	19847	14873	17843	6974	6030	4952	4505	4612	4611	5545	13799	21440	125029	340
2239839	22536	15316	19826	4514	1995	331	361	114	10	810	15776	23808	105399	624
2239840	126403	92714	131369	50285	0	113	0	0	166	30272	79745	132759	643826	296
2239841	63148	56864	59468	41535	39055	32337	31198	32084	32162	34494	47425	61685	531454	576
2239843	92378	67837	85741	12307	0	0	0	0	0	7625	55696	88116	409699	127
2239845	79187	77271	90235	31977	32086	66667	66593	60645	64632	40419	34149	56594	700456	60
2245126	47111	34693	40535	12405	5710	0	0	0	0	8543	0	81341	230339	42

Tab 9

**Philadelphia Gas Works**

Pennsylvania Public Utility Commission

52 Pa. Code §53.61, et seq.

**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:

- (10) A schematic system map, locating and identifying by name, the pressure and capacity of all interstate or intrastate transmission pipeline connections, compressor stations, utility transmission or distribution mains 6 inches or larger in size, storage facilities, including maximum daily injection and withdrawal rates, production fields, and each individual supply or transportation customer which represents 5% or more of total system throughput in a month. Each customer or account shall be identified solely by a unique alphanumeric code, the key to which may be provided subject to § 5.423.

**Response:**

Following the lead of the industry, as well as federal policy guidelines regarding the security of information relating to energy transmission sites, PGW will no longer provide this data to the general public. However, upon request PGW will provide this information to the Commission and will also provide access to this information, upon written request, to parties to this proceeding that have legitimate business reasons to view this information.