

Philadelphia Gas Works

Before The

Pennsylvania Public Utility Commission

**Computation of Annual Purchased Gas Costs
For Twelve Months Ending August 31, 2013**

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, 2012

Philadelphia Gas Works 1307f - 2010 Prefiling

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Tab 4

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, 2012 and an updated Annual Resource Planning Report is not available at this time.

ANNUAL RESOURCE PLANNING REPORT

Philadelphia Gas Works

Philadelphia, Pennsylvania

March 2011

Forms 1 & 2

BEFORE THE PENNSYLVANIA PUBLIC UTILITY COMMISSION

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

**ANNUAL RESOURCE PLANNING REPORT
MARCH 2011**

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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<u>EXHIBIT NO.</u>	<u>REGULATION</u>	<u>DESCRIPTION</u>
1	59.81	General
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. One (1) original and seven (7) copies of the report must be submitted to:

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

One copy should be submitted unbound for ease of duplication.

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
Attn. Calvin Birge

Also submit one (1) copy to the following:

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

Office of Small Business Advocate
Suite 1102, 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:

An original, seven (7) copies, and one unbound copy of 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, Director, Gas Planning & Rates at 215-684-6317. The following individual is available to answer questions concerning Forms 1 and 2:
Ms. Maria Hogan, Manager – Gas Planning 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.

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.

BEFORE THE PENNSYLVANIA PUBLIC UTILITY COMMISSION

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

Annual Resource Planning Summary Report

Filed: March 2011

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

PHILADELPHIA GAS WORKS
2011 Annual Resource Planning Summary Report

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SECTION V -- PGW Corporate Modeling System

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 50% 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 a first-of-the-month index pricing methodology with contracts that 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 certain storage fields (Eminence and Washington) in a manner similar to third party supply. Specifically, these storage contracts do not contain

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

transportation to the PGW city gate. Therefore, these storages must flow within PGW's contractual upstream capacity rights on TGPL. Delivery from these fields utilizes approximately 23% 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. 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 30-year period. This pattern reflects 4360 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 4360 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 and demand 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, gas transportation Supplier Storage Peaking and migration charges, interest, 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.

**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		
	-2 2008-2009	-1 2009-2010	0 2010-2011	1 2011-2012	2 2012-2013	3 2013-2014		
Firm Requirements:								
Retail Residential	37,670	35,295	40,359	39,459	39,231	39,023		
Retail Commercial	9,726	8,924	9,434	9,337	9,266	9,247		
Retail Industrial	630	570	598	585	569	565		
Electric Power Generation	-	-	-	-	-	-		
Exchanges with Other Utilities	-	-	-	-	-	-		
Unaccounted For Gas	1,308	1,424	1,847	2,039	2,005	1,999		
Company Use	738	632	620	718	718	718		
Other - Prior Period Adjustment	-	-	-	-	-	-		
Subtotal Firm	50,070	46,846	52,858	52,137	51,788	51,552		
Interruptible Requirements:								
Retail	1,156	1,038	787	777	739	705		
Electric Power Generation	14	12	12	11	10	9		
Company's Own Plant	65	67	90	122	44	44		
Unaccounted For Gas	45	43	43	31	29	28		
Subtotal Interruptible	1,280	1,160	933	940	821	785		
SUBTOTAL FIRM AND INTERRUPTIBLE	51,350	48,006	53,791	53,077	52,610	52,337		
Transportation:								
Firm Residential	13	15	5	15	15	15		
Firm Commercial	1,863	2,145	2,323	2,921	3,078	3,234		
Firm Industrial	217	238	274	299	317	321		
Interruptible Residential	-	-	-	-	-	-		
Interruptible Commercial	6,375	5,834	6,411	6,510	6,564	6,616		
Interruptible Industrial	4,839	6,489	6,041	6,486	6,507	6,528		
Other - Non-Utility Power Producers	9,632	8,901	9,771	9,260	9,260	9,260		
Subtotal Transportation	22,940	23,622	24,824	25,491	25,741	25,974		
TOTAL GAS REQUIREMENTS	74,290	71,627	78,614	78,568	78,351	78,311		
Increase (Decrease)		(2,663)	6,987	(46)	(218)	(39)		
Percent Change (%)		-3.6%	9.4%	-0.1%	-0.3%	-0.1%		

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

Index Year Actual Year	Historical Data		Three Year Forecast ⁽¹⁾		
	-2 2008-2009	-1 2009-2010	0 2010-2011	1 2011-2012	2 2012-2013
Firm Requirements:					
Retail Residential	376	345	451	465	463
Retail Commercial	97	87	105	110	109
Retail Industrial	6	6	7	7	7
Electric Power Generation	-	-	-	-	-
Exchanges with Other Utilities	-	-	-	-	-
Unaccounted For Gas	13	14	21	24	24
Company Use	7	6	7	8	8
Other	-	-	-	-	-
Subtotal Firm	500	458	590	614	611
					608
Interruptible Requirements:					
Retail	10.1	5.5	8.6	9.4	8.9
Electric Power Generation	0.0	-	0.0	0.0	0.0
Company's Own Plant	1.8	1.2	0.6	0.6	0.1
Unaccounted For Gas	0.0	0.3	0.3	0.4	0.3
Subtotal Interruptible	11.9	6.9	9.5	10.4	9.4
					8.9
SUBTOTAL FIRM AND INTERRUPTIBLE	512	465	600	625	621
					617
Transportation:					
Firm Residential	0	0	-	-	-
Firm Commercial	15	17	24	30	33
Firm Industrial	1	2	2	3	3
Interruptible Residential	-	-	-	-	-
Interruptible Commercial	34	38	-	-	-
Interruptible Industrial	13	21	-	-	-
Other - Non-Utility Power Producers	43	34	-	-	-
Subtotal Transportation	106	113	26	33	36
					37
TOTAL GAS REQUIREMENTS	618	578	626	658	656
					655
Increase (Decrease)	48	(40)	48	32	(2)
Percent Change (%)	8.4%	-6.4%	8.2%	5.1%	-0.3%
					(1)
					-0.2%

⁽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-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	
	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016	2016-2017	2017-2018
Gas Supply for Sales Service	Annual	Peak	Annual	Peak	Annual	Peak	Annual	Peak	Annual	Peak
	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016	2016-2017	2017-2018
TETCO	-	-	-	-	-	-	-	-	-	-
TRANSCO	-	-	-	-	-	-	-	-	-	-
Spot Purchases	53,592	208	51,238	180	60,049	287	58,169	280	57,442	282
Storage Withdrawals	12,688	178	12,652	205	11,749	183	15,286	182	12,699	182
LNG Withdrawal	1,545	125	1,118	80	1,414	167	1,480	204	1,366	199
Company Production	-	-	-	-	-	-	-	-	-	-
LNG Purchases	-	-	-	-	-	-	-	-	-	-
Exchanges with other LDCs	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-
Total Gas Supply	67,825	512	65,008	485	73,213	637	74,935	666	71,507	663
Total Transportation Services	22,940	106	23,622	113	24,598	11	25,103	14	25,340	15
TOTAL GAS SUPPLY AND TRANSPORTATION SERVICE	90,765	618	88,630	578	97,811	648	100,038	679	96,847	678
Deductions										
Pipeline: TRANS FUEL	2,979	-	3,052	-	3,514	18	3,141	17	3,137	17
Storage: INJ. INJ FUEL, WITHDRAW FUEL, TRANS FUEL	12,853	-	12,533	-	13,745	3	16,682	3	13,917	3
LNG: LIQUE. INJ FUEL, TRANS FUEL	643	-	1,418	-	1,938	1	1,647	1	1,442	1
Sales to other LDC's	-	-	-	-	-	-	-	-	-	-
Total Deductions	16,475	-	17,002	-	19,197	22	21,470	22	18,496	22
NET GAS SUPPLY	74,290	618	71,627	578	78,614	626	78,568	658	78,351	656
BTU	1,036		1,032		1,027		1,027		1,027	

(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		-1		0		1		2		3						
	2008-2009	Peak	2009-2010	Annual	Peak	2010-2011	Annual	Peak	2011-2012	Annual	Peak	2012-2013	Annual	Peak	2013-2014	Annual	Peak
City Gate Transportation Contracts:																	
Transcontinental Transmission Corp.	3,723	60	3,723	60	3,723	60	3,723	60	3,723	60	3,723	60	3,723	60	3,723	60	3,723
Texas Eastern Transmission Corp.	2,570	43	2,570	43	2,570	43	2,570	43	2,570	43	2,570	43	2,570	43	2,570	43	2,570
Texas Eastern Transmission Corp.	2,390	20	2,390	20	2,390	20	2,390	20	2,390	20	2,390	20	2,390	20	2,390	20	2,390
Transcontinental Transmission Corp.	453	5	453	5	453	5	453	5	453	5	453	5	453	5	453	5	453
Total	9,137	128	9,137	128	9,137	128	9,137	128	9,137	128	9,137	128	9,137	128	9,137	128	9,137
Upstream Transportation Contracts:																	
Transcontinental Transmission Corp.	58,546	160	58,546	160	58,546	160	58,546	160	58,546	160	58,546	160	58,546	160	58,546	160	58,546
Texas Eastern Transmission Corp.	26,578	73	26,578	73	26,578	73	26,578	73	26,578	73	26,578	73	26,578	73	26,578	73	26,578
Texas Eastern Transmission Corp.	8,442	23	8,442	23	8,442	23	8,442	23	8,442	23	8,442	23	8,442	23	8,442	23	8,442
Texas Eastern Transmission Corp.	2,359	17	2,359	17	2,359	17	2,359	17	2,359	17	2,359	17	2,359	17	2,359	17	2,359
Texas Eastern Transmission Corp.	2,359	17	2,359	17	2,359	17	2,359	17	2,359	17	2,359	17	2,359	17	2,359	17	2,359
Transcontinental Transmission Corp.	172	2	172	2	172	2	172	2	172	2	172	2	172	2	172	2	172
Total	98,456	293	98,456	293	98,456	293	98,456	293	98,456	293	98,456	293	98,456	293	98,456	293	98,456
Storage-Related Transportation Contracts:																	
Dominion Transmission Inc.	9,110	25	9,110	25	9,110	25	9,110	25	9,110	25	9,110	25	9,110	25	9,110	25	9,110
Dominion Transmission Inc.	2,760	8	2,760	8	2,760	8	2,760	8	2,760	8	2,760	8	2,760	8	2,760	8	2,760
Equitrans	1,911	5	1,911	5	1,911	5	1,911	5	1,911	5	1,911	5	1,911	5	1,911	5	1,911
Total	13,782	38	13,782	38	13,782	38	13,782	38	13,782	38	13,782	38	13,782	38	13,782	38	13,782

FORM-IRP-GAS-2C: NATURAL GAS STORAGE⁽¹⁾
REPORTING UTILITY: PHILADELPHIA GAS WORKS
(volumes in MMcf)

Index Year Actual year	Historical Data				Current Year		Three Year Forecast					
	-2		-1		0		1		2		3	
	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014						
	Annual	Peak	Annual	Peak	Annual	Peak	Annual	Peak	Annual	Peak	Annual	Peak
Transcontinental Transmission Corp.	3,723	60	3,723	60	3,723	60	3,723	60	3,723	60	3,723	60
Dominion Transmission Inc.	3,481	32	3,481	32	3,481	32	3,481	32	3,481	32	3,481	32
Transcontinental Transmission Corp.	3,086	36	3,086	36	3,086	36	3,086	36	3,086	36	3,086	36
Texas Eastern Transmission Corp.	2,467	43	2,467	43	2,467	43	2,467	43	2,467	43	2,467	43
Texas Eastern Transmission Corp.	2,219	20	2,219	20	2,219	20	2,219	20	2,219	20	2,219	20
Transcontinental Transmission Corp.	1,106	110	1,106	110	1,106	110	1,106	110	1,106	110	1,106	110
Equitrans	507	5	507	5	507	5	507	5	507	5	507	5
Transcontinental Transmission Corp.	453	5	453	5	453	5	453	5	453	5	453	5
Total	17,042	311	17,042	311	17,042	311	17,042	311	17,042	311	17,042	311

⁽¹⁾ Rank contracts in order of magnitude for the current year, noting the transportation provided and termination date for each contract reported
Reporting should proceed along rank ordering until 75% of total is accounted for, or until ten contracts have been listed, whichever occurs first.

Conversions at 1030 Btu

	Contract Expiration Date ⁽²⁾
Transcontinental Transmission Corp.	03/31/2013
Dominion Transmission Inc.	03/31/2012
Transcontinental Transmission Corp.	Evergreen
Texas Eastern Transmission Corp.	04/30/2012
Texas Eastern Transmission Corp.	04/30/2012
Transcontinental Transmission Corp.	10/31/2013
Equitrans	03/31/2012
Transcontinental Transmission Corp.	04/15/2012

⁽²⁾ For purposes of this report, all contracts due to expire are assumed renewed for the forecast years.

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 three distinct categories. First, the Company enters into winter-only supply contracts. These winter-only supply arrangements provide gas supply that fills approximately fifty percent (50%) 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 Spectra 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 %) of PGW's gas supply portfolio is purchased on "first of the month index" priced contracts that 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 sendout requirements at a known price. Third the company utilizes three (3) pipeline storage services, as an additional source of supply. These storage services do not contain bundled transportation and therefore are moved to the city gates within PGW's firm interstate pipeline capacity. These services represent 23 percent (23 %) of supply at a fixed price. The Company will again release capacity for one year periods totaling thirty-five thousand dekatherms as it did last year. These capacity releases are with twenty-four hour recall rights in their terms and conditions. They are split between the two interstate pipelines which 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 (twenty thousand dekatherms) and depend on market based prices to fill the TETCO portion (fifteen thousand dekatherms).

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's also 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.

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 a twenty-year history in the supply area and a six-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 interacts continuously and provides 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.

Manager, Gas Supply this person has over sixteen years experience in the gas supply area. This individual has a MBA and BS in addition to having an extensive background in the area of gas accounting and gas purchasing. Reporting to this individual is the gas accountants, gas coordinators and gas buyer.

Manager, Gas Control: This person has over fifteen years in the supply area, is responsible for the day-today management of the city distribution grid as well as 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, 2010 to December 31, 2010.

Schedule 1 – reflects all off system sales margins for the period January 1, 2011 to December 31, 2011.

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 5 – reflects asset management revenue for the period January 1, 2011 to December 31, 2011.

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, 2011

Off-System Sales			
MONTH	Total Revenue	Ratepayer Margin	Total Credit
Jan-11	\$0	\$0	\$0
Feb-11	\$0	\$0	\$0
Mar-11	\$0	\$0	\$0
Apr-11	\$0	\$0	\$0
May-11	\$0	\$0	\$0
Jun-11	\$0	\$0	\$0
Jul-11	\$0	\$0	\$0
Aug-11	\$0	\$0	\$0
Sep-11	\$0	\$0	\$0
Oct-11	\$0	\$0	\$0
Nov-11	\$0	\$0	\$0
Dec-11	\$0	\$0	\$0

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

**Schedule 2
53.64(C)(7)**

Off System Sale Profits Per WACOG Worksheet

No deals were enacted under the weighted average cost of gas.

Philadelphia Gas Works
Pennsylvania Public Utilities Commission
52 Pa. Code §53.61, et seq.
For the Twelve Months Ending December 31, 2011

Schedule 3
Item 53.64(C)(7)

	Capacity Release			
	Total		Total	
	TGPL		TETCO	Total
MONTH	Credits		Credits	Credits
Jan-11	\$ 282,419	\$	211,517	\$ 493,936
Feb-11	\$ 259,214	\$	405,545	\$ 664,759
Mar-11	\$ 345,111	\$	268,136	\$ 613,247
Apr-11	\$ 354,800	\$	337,364	\$ 692,164
May-11	\$ 398,808	\$	148,059	\$ 546,867
Jun-11	\$ 451,243	\$	134,807	\$ 586,051
Jul-11	\$ 490,647	\$	233,120	\$ 723,767
Aug-11	\$ 507,144	\$	142,186	\$ 649,330
Sep-11	\$ 568,646	\$	476,542	\$ 1,045,188
Oct-11	\$ 569,575	\$	361,305	\$ 930,880
Nov-11	\$ 429,907	\$	274,882	\$ 704,789
Dec-11	\$ 445,139	\$	350,560	\$ 795,699
TOTAL	\$ 5,102,653	\$	3,344,023	\$ 8,446,676

PIPELINE	PATH	RECALL STATUS	MONTHLY VOLUME DTH	TOTAL MONTHLY CREDIT	CREDIT DTH	TOTAL CREDIT	REPLACEMENT SHIPPER
TRANSCO	3-6	N	84,990	\$ 36,901.80	\$ 0.4342	\$ 36,901.80	Hess
TRANSCO	3-6	N	115,830	\$ 50,292.30	\$ 0.4342	\$ 50,292.30	UGI
TRANSCO	3-6	N	150,000	\$ 3,240.00	\$ 0.0216	\$ 3,240.00	JLA Energy
TRANSCO	3-6	N	150,000	\$ 3,165.00	\$ 0.0211	\$ 3,165.00	Tenaska
TRANSCO	3-6	N	5,760	\$ 2,500.80	\$ 0.4342	\$ 2,500.80	Sprague
TRANSCO	3-6	N	300,000	\$ 99,900.00	\$ 0.3330	\$ 99,900.00	VA Power
TRANSCO	3-6	N	300,000	\$ 99,900.00	\$ 0.3330	\$ 99,900.00	VA Power
TRANSCO	3-6	N	300,000	\$ 42,900.00	\$ 0.1430	\$ 42,900.00	Tenaska
TRANSCO	3-6	N	160,000	\$ 16,000.00	\$ 0.1000	\$ 16,000.00	EDF Trading
			1,566,580	\$ 354,799.90			
May-11							
TETCO	WLA - M-3	N	87,637	\$ 54,054.51	\$ 0.6168	\$ 54,054.51	Hess
TETCO	WLA - M-3	N	119,691	\$ 73,825.42	\$ 0.6168	\$ 73,825.42	UGI
TETCO	ELA - M-3	N	124,000	\$ 12,648.00	\$ 0.1020	\$ 12,648.00	Colonial
TETCO	STX - M-3	N	62	\$ 38.25	\$ 0.6169	\$ 38.25	PPL
TETCO	STX - M-3	N	60,000	\$ 660.00	\$ 0.0110	\$ 660.00	Colonial
TETCO	STX - M-3	N	6,913	\$ 4,263.94	\$ 0.6168	\$ 4,263.94	Sprague
TETCO	ELA - M-3	N	155,000	\$ 7,750.00	\$ 0.0500	\$ 7,750.00	Societe General
TETCO	ELA - M-3	N	486,948	\$ 103,232.98	\$ 0.2120	\$ 103,232.98	VA Power
TETCO	ELA - M-3	N	251,534	\$ 35,214.76	\$ 0.1400	\$ 35,214.76	Seq Energy Mgmt
TETCO	ELA - M-3	N	558,000	\$ (71,814.60)	\$ (0.1287)	\$ (71,814.60)	Grays Ferry *Credit in Dispute
TETCO	STX - M-3	N	558,000	\$ (71,814.60)	\$ (0.1287)	\$ (71,814.60)	Grays Ferry Credit in Dispute
			2,407,785	\$ 148,058.66			
TRANSCO	3-6	N	155,000	\$ 3,348.00	\$ 0.0216	\$ 3,348.00	JLA Energy
TRANSCO	3-6	N	155,000	\$ 3,487.50	\$ 0.0225	\$ 3,487.50	Tenaska
TRANSCO	3-6	N	155,000	\$ 3,270.50	\$ 0.0211	\$ 3,270.50	Tenaska
TRANSCO	3-6	N	155,000	\$ 3,255.00	\$ 0.0210	\$ 3,255.00	Tenaska
TRANSCO	3-6	N	93	\$ 40.30	\$ 0.4333	\$ 40.30	PPL
TRANSCO	3-6	N	6,913	\$ 3,001.73	\$ 0.4342	\$ 3,001.73	Sprague
TRANSCO	3-6	N	87,668	\$ 38,064.59	\$ 0.4342	\$ 38,064.59	Hess
TRANSCO	3-6	N	119,691	\$ 51,968.71	\$ 0.4342	\$ 51,968.71	UGI
TRANSCO	3-6	N	310,000	\$ 103,230.00	\$ 0.3330	\$ 103,230.00	VA Power
TRANSCO	3-6	N	310,000	\$ 103,230.00	\$ 0.3330	\$ 103,230.00	VA Power
TRANSCO	3-6	N	310,000	\$ 44,330.00	\$ 0.1430	\$ 44,330.00	Tenaska
TRANSCO	3-6	N	310,000	\$ 39,122.00	\$ 0.1262	\$ 39,122.00	PPL
TRANSCO	3-6	N	60,000	\$ 2,460.00	\$ 0.0410	\$ 2,460.00	South Jersey
			2,134,365	\$ 398,808.33			
June-11							
TETCO	ELA - M-3	N	150,000	\$ 7,500.00	\$ 0.0500	\$ 7,500.00	Societe Gen
TETCO	STX - M-3	N	120,000	\$ 12,240.00	\$ 0.1020	\$ 12,240.00	Colonial
TETCO	STX - M-3	N	60	\$ 37.01	\$ 0.6168	\$ 37.01	PPL
TETCO	ELA - M-3	N	107,820	\$ 66,503.38	\$ 0.6168	\$ 66,503.38	UGI
TETCO	ELA - M-3	N	81,510	\$ 50,275.37	\$ 0.6168	\$ 50,275.37	Hess
TETCO	ELA - M-3	N	6,690	\$ 4,126.40	\$ 0.6168	\$ 4,126.40	Sprague
TETCO	ELA - M-3	N	85,000	\$ 3,060.00	\$ 0.0360	\$ 3,060.00	JLA Energy
TETCO	ELA - M-3	N	471,240	\$ 99,902.88	\$ 0.2120	\$ 99,902.88	VA Power
TETCO	ELA - M-3	N	243,420	\$ 34,078.80	\$ 0.1400	\$ 34,078.80	Seq Ener Mgmt
TETCO	ELA - M-3	N	540,000	\$ (71,458.20)	\$ (0.1323)	\$ (71,458.20)	Grays Ferry *Credit in Dispute
TETCO	STX - M-3	N	540,000	\$ (71,458.20)	\$ (0.1323)	\$ (71,458.20)	Grays Ferry Credit in Dispute
			2,345,740	\$ 134,807.44			

PIPELINE	PATH	RECALL STATUS	MONTHLY VOLUME DTH	MONTHLY CREDIT	CREDIT DTH	TOTAL CREDIT	REPLACEMENT SHIPPER
TRANSCO	3-6	N	150,000	\$ 3,240.00	\$ 0.0216	\$ 3,240.00	JLA Energy
TRANSCO	3-6	N	150,000	\$ 3,375.00	\$ 0.0225	\$ 3,375.00	Tenaska
TRANSCO	3-6	N	150,000	\$ 3,165.00	\$ 0.0211	\$ 3,165.00	Tenaska
TRANSCO	3-6	N	150,000	\$ 3,150.00	\$ 0.0210	\$ 3,150.00	Tenaska
TRANSCO	3-6	N	90	\$ 39.00	\$ 0.4333	\$ 39.00	PPL
TRANSCO	3-6	N	6,690	\$ 2,904.90	\$ 0.4342	\$ 2,904.90	Sprague
TRANSCO	3-6	N	81,510	\$ 35,391.00	\$ 0.4342	\$ 35,391.00	Hess
TRANSCO	3-6	N	107,880	\$ 46,840.50	\$ 0.4342	\$ 46,840.50	UGI
TRANSCO	3-6	N	300,000	\$ 99,900.00	\$ 0.3330	\$ 99,900.00	VA Power
TRANSCO	3-6	N	300,000	\$ 99,900.00	\$ 0.3330	\$ 99,900.00	VA Power
TRANSCO	3-6	N	300,000	\$ 42,900.00	\$ 0.1430	\$ 42,900.00	Tenaska
TRANSCO	3-6	N	300,000	\$ 37,860.00	\$ 0.1262	\$ 37,860.00	PPL
TRANSCO	3-6	N	300,000	\$ 61,800.00	\$ 0.2060	\$ 61,800.00	Statcoil
TRANSCO	3-6	N	85,000	\$ 10,778.00	\$ 0.1268	\$ 10,778.00	Shell
			2,381,170		\$	\$ 451,243.40	
July-11							
TETCO	ELA - M-3	N	155,000	\$ 7,750.00	\$ 0.0500	\$ 7,750.00	Societe Gen
TETCO	STX - M-3	N	124,000	\$ 12,648.00	\$ 0.1020	\$ 12,648.00	Colonial
TETCO	ELA - M-3	N	155,000	\$ 15,500.00	\$ 0.1000	\$ 15,500.00	Tenaska
TETCO	ELA - M-3	N	62	\$ 38.25	\$ 0.6169	\$ 38.25	PPL
TETCO	WLA - M-3	N	84,878	\$ 52,352.75	\$ 0.6168	\$ 52,352.75	Hess
TETCO	WLA - M-3	N	113,770	\$ 70,173.34	\$ 0.6168	\$ 70,173.34	UGI
TETCO	WLA - M-3	N	7,130	\$ 4,397.79	\$ 0.6168	\$ 4,397.79	Sprague
TETCO	WLA - M-3	N	486,948	\$ 103,232.98	\$ 0.2120	\$ 103,232.98	VA Power
TETCO	WLA - M-3	N	251,534	\$ 35,214.76	\$ 0.1400	\$ 35,214.76	Seq Ener Mgm
TETCO	ELA - M-3	N	945,934	\$ (34,093.85)	\$ (0.0360)	\$ (34,093.85)	Grays Ferry
TETCO	STX - M-3	N	945,934	\$ (34,093.85)	\$ (0.0360)	\$ (34,093.85)	Grays Ferry
			3,270,190		\$	\$ 233,120.17	
TRANSCO	3-6	N	155,000	\$ 3,348.00	\$ 0.0216	\$ 3,348.00	JLA Energy
TRANSCO	3-6	N	155,000	\$ 3,487.50	\$ 0.0225	\$ 3,487.50	Tenaska
TRANSCO	3-6	N	155,000	\$ 3,270.50	\$ 0.0211	\$ 3,270.50	Tenaska
TRANSCO	3-6	N	155,000	\$ 3,255.00	\$ 0.0210	\$ 3,255.00	Tenaska
TRANSCO	3-6	N	93	\$ 40.30	\$ 0.4333	\$ 40.30	PPL
TRANSCO	3-6	N	7,161	\$ 3,109.30	\$ 0.4342	\$ 3,109.30	Sprague
TRANSCO	3-6	N	84,909	\$ 36,866.44	\$ 0.4342	\$ 36,866.44	Hess
TRANSCO	3-6	N	113,770	\$ 49,397.88	\$ 0.4342	\$ 49,397.88	UGI
TRANSCO	3-6	N	155,000	\$ 34,100.00	\$ 0.2200	\$ 34,100.00	Louis Dreyfus
TRANSCO	3-6	N	310,000	\$ 103,230.00	\$ 0.3330	\$ 103,230.00	VA Power
TRANSCO	3-6	N	310,000	\$ 103,230.00	\$ 0.3330	\$ 103,230.00	VA Power
TRANSCO	3-6	N	310,000	\$ 44,330.00	\$ 0.1430	\$ 44,330.00	Tenaska
TRANSCO	3-6	N	310,000	\$ 39,122.00	\$ 0.1262	\$ 39,122.00	PPL
TRANSCO	3-6	N	310,000	\$ 63,860.00	\$ 0.2060	\$ 63,860.00	Statcoil
			2,530,933		\$	\$ 490,646.92	
August-11							
TETCO	ELA - M-3	N	155,000	\$ 7,750.00	\$ 0.0500	\$ 7,750.00	Societe Gen
TETCO	STX - M-3	N	124,000	\$ 12,648.00	\$ 0.1020	\$ 12,648.00	Colonial
TETCO	STX - M-3	N	155,000	\$ 15,500.00	\$ 0.1000	\$ 15,500.00	Tenaska
TETCO	ELA - M-3	N	155,000	\$ 40,300.00	\$ 0.2600	\$ 40,300.00	Enbridge
TETCO	WLA - M-3	N	95,000	\$ 3,562.50	\$ 0.0375	\$ 3,562.50	VA Power
TETCO	WLA - M-3	N	7,905	\$ 3,475.83	\$ 0.4397	\$ 3,475.83	Sprague
TETCO	ELA - M-3	N	113,336	\$ 49,822.51	\$ 0.4396	\$ 49,822.51	UGI
TETCO	WLA - M-3	N	85,095	\$ 37,390.83	\$ 0.4394	\$ 37,390.83	Hess
TETCO	WLA - M-3	N	62	\$ 27.26	\$ 0.4397	\$ 27.26	PPL
TETCO	ELA - M-3	N	945,934	\$ (28,290.65)	\$ (0.0299)	\$ (28,290.65)	Grays Ferry
TETCO	STX - M-3	N	945,934	\$ (28,290.65)	\$ (0.0299)	\$ (28,290.65)	Grays Ferry
			1,836,332		\$	\$ 142,186.28	

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PIPELINE	PATH	RECALL STATUS	VOLUME DTH	MONTHLY CREDIT	CREDIT DTH	TOTAL CREDIT	REPLACEMENT SHIPPER
TRANSCO	3-6	N	155,000	\$ 3,348.00	\$ 0.0216	\$ 3,348.00	JLA Energy
TRANSCO	3-6	N	155,000	\$ 3,487.50	\$ 0.0225	\$ 3,487.50	Tenaska
TRANSCO	3-6	N	155,000	\$ 3,270.50	\$ 0.0211	\$ 3,270.50	Tenaska
TRANSCO	3-6	N	155,000	\$ 3,255.00	\$ 0.0210	\$ 3,255.00	Tenaska
TRANSCO	3-6	N	93	\$ 40.30	\$ 0.4333	\$ 40.30	PPL
TRANSCO	3-6	N	7,936	\$ 3,445.65	\$ 0.4342	\$ 3,445.65	Sprague
TRANSCO	3-6	N	85,095	\$ 36,947.35	\$ 0.4342	\$ 36,947.35	Hess
TRANSCO	3-6	N	113,367	\$ 49,222.73	\$ 0.4342	\$ 49,222.73	UGI
TRANSCO	3-6	N	155,000	\$ 34,100.00	\$ 0.2200	\$ 34,100.00	Louis Dreyfus
TRANSCO	3-6	N	310,000	\$ 103,230.00	\$ 0.3330	\$ 103,230.00	VA Power
TRANSCO	3-6	N	310,000	\$ 103,230.00	\$ 0.3330	\$ 103,230.00	VA Power
TRANSCO	3-6	N	310,000	\$ 44,330.00	\$ 0.1430	\$ 44,330.00	Tenaska
TRANSCO	3-6	N	310,000	\$ 39,122.00	\$ 0.1262	\$ 39,122.00	PPL
TRANSCO	3-6	N	310,000	\$ 63,860.00	\$ 0.2060	\$ 63,860.00	Statoll
TRANSCO	3-6	N	95,000	\$ 10,554.50	\$ 0.1111	\$ 10,554.50	Calpine Energy
TRANSCO	3-6	N	95,000	\$ 5,700.00	\$ 0.0600	\$ 5,700.00	UGI
			2,721,491			\$ 507,143.53	
TETCO	ELA - M-3	N	150,000	\$ 7,500.00	\$ 0.0500	\$ 7,500.00	Societe Gen
TETCO	ELA - M-3	N	120,000	\$ 12,240.00	\$ 0.1020	\$ 12,240.00	Colonial Energy
TETCO	ELA - M-3	N	7,290	\$ 3,204.69	\$ 0.4396	\$ 3,204.69	Sprague
TETCO	STX - M-3	N	80,760	\$ 35,502.10	\$ 0.4397	\$ 35,502.10	Hess
TETCO	ELA - M-3	N	60	\$ 26.38	\$ 0.4397	\$ 26.38	PPL
TETCO	ELA - M-3	N	300,000	\$ 7,500.00	\$ 0.0250	\$ 7,500.00	BNP Paribas
TETCO	ELA - M-3	N	109,830	\$ 48,281.27	\$ 0.4396	\$ 48,281.27	UGI
TETCO	STX - M-3	N	243,420	\$ 34,078.80	\$ 0.1400	\$ 34,078.80	Seq Ener Mgm
TETCO	STX - M-3	N	471,240	\$ 193,208.40	\$ 0.4100	\$ 193,208.40	Calpine Ener
TETCO	STX - M-3	N	915,420	\$ 67,500.07	\$ 0.0737	\$ 67,500.07	Grays Ferry
TETCO	STX - M-3	N	915,420	\$ 67,500.07	\$ 0.0737	\$ 67,500.07	Grays Ferry
			3,313,440			\$ 476,541.78	
TRANSCO	3-6	N	150,000	\$ 3,240.00	\$ 0.0216	\$ 3,240.00	JLA
TRANSCO	3-6	N	150,000	\$ 3,375.00	\$ 0.0225	\$ 3,375.00	Tenaska
TRANSCO	3-6	N	150,000	\$ 3,165.00	\$ 0.0211	\$ 3,165.00	Tenaska
TRANSCO	3-6	N	150,000	\$ 3,150.00	\$ 0.0210	\$ 3,150.00	Tenaska
TRANSCO	3-6	N	90	\$ 39.00	\$ 0.4333	\$ 39.00	PPL
TRANSCO	3-6	N	7,320	\$ 3,178.50	\$ 0.4342	\$ 3,178.50	Sprague
TRANSCO	3-6	N	80,790	\$ 35,078.10	\$ 0.4342	\$ 35,078.10	Hess
TRANSCO	3-6	N	109,860	\$ 47,700.30	\$ 0.4342	\$ 47,700.30	UGI
TRANSCO	3-6	N	300,000	\$ 42,900.00	\$ 0.1430	\$ 42,900.00	Tenaska
TRANSCO	3-6	N	300,000	\$ 37,860.00	\$ 0.1262	\$ 37,860.00	PPL
TRANSCO	3-6	N	300,000	\$ 174,900.00	\$ 0.5830	\$ 174,900.00	BP
TRANSCO	3-6	N	300,000	\$ 174,300.00	\$ 0.5810	\$ 174,300.00	BP
TRANSCO	3-6	N	300,000	\$ 15,630.00	\$ 0.0521	\$ 15,630.00	Tenaska
TRANSCO	3-6	N	300,000	\$ 21,330.00	\$ 0.0711	\$ 21,330.00	National Energy & Trade
TRANSCO	3-6	N	50,000	\$ 2,800.00	\$ 0.0560	\$ 2,800.00	Calpine Energy
			2,648,080			\$ 568,645.90	

September-11

October-11	PIPELINE	PATH	RECALL STATUS	VOLUME DTH	MONTHLY CREDIT	CREDIT DTH	TOTAL CREDIT	REPLACEMENT SHIPPER
	TETCO	ELA - M-3	N	7,874	\$ 3,461.41	\$ 0.4396	\$ 3,461.41	Sprague
	TETCO	ELA - M-3	N	62	\$ 27.26	\$ 0.4397	\$ 27.26	PPL
	TETCO	STX - M-3	N	87,048	\$ 38,266.29	\$ 0.4396	\$ 38,266.29	Hess
	TETCO	STX - M-3	N	118,389	\$ 52,043.81	\$ 0.4396	\$ 52,043.81	UGI
	TETCO	STX - M-3	N	251,534	\$ 35,214.76	\$ 0.1400	\$ 35,214.76	Seq Ener Mgm
	TETCO	WLA - M-3	N	486,948	\$ 199,648.68	\$ 0.4100	\$ 199,648.68	Calpine Energy
	TETCO	WLA - M-3	N	558,000	\$ 17,298.00	\$ 0.0310	\$ 17,298.00	Louis Dreyfus
	TETCO	WLA - M-3	N	558,000	\$ 15,345.00	\$ 0.0275	\$ 15,345.00	BNP Paribas
				2,067,855		\$	\$ 361,305.21	
	TRANSCO	3-6	N	155,000	\$ 3,348.00	\$ 0.0216	\$ 3,348.00	JLA Energy
	TRANSCO	3-6	N	155,000	\$ 3,255.00	\$ 0.0210	\$ 3,255.00	Iberdrola
	TRANSCO	3-6	N	155,000	\$ 3,270.50	\$ 0.0211	\$ 3,270.50	Tenaska
	TRANSCO	3-6	N	155,000	\$ 2,940.50	\$ 0.0151	\$ 2,940.50	S. Jersey
	TRANSCO	3-6	N	93	\$ 40.30	\$ 0.4333	\$ 40.30	PPL
	TRANSCO	3-6	N	7,874	\$ 3,418.68	\$ 0.4342	\$ 3,418.68	Sprague
	TRANSCO	3-6	N	87,079	\$ 37,808.84	\$ 0.4342	\$ 37,808.84	Hess
	TRANSCO	3-6	N	118,389	\$ 51,403.27	\$ 0.4342	\$ 51,403.27	UGI
	TRANSCO	3-6	N	310,000	\$ 44,330.00	\$ 0.1430	\$ 44,330.00	Tenaska
	TRANSCO	3-6	N	310,000	\$ 180,730.00	\$ 0.5830	\$ 180,730.00	BP
	TRANSCO	3-6	N	310,000	\$ 180,110.00	\$ 0.5810	\$ 180,110.00	BP
	TRANSCO	3-6	N	310,000	\$ 29,760.00	\$ 0.0960	\$ 29,760.00	BP
	TRANSCO	3-6	N	310,000	\$ 29,760.00	\$ 0.0960	\$ 29,760.00	BP
				2,383,435		\$	\$ 569,575.09	
November-11	TETCO	ELA - M-3	N	7,080	\$ 3,112.36	\$ 0.4396	\$ 3,112.36	Sprague
	TETCO	ELA - M-3	N	90	\$ 39.57	\$ 0.4397	\$ 39.57	PPL
	TETCO	ELA - M-3	N	103,200	\$ 45,366.72	\$ 0.4396	\$ 45,366.72	UGI
	TETCO	STX - M-3	N	75,420	\$ 33,154.64	\$ 0.4396	\$ 33,154.64	Hess
	TETCO	ELA - M-3	N	471,240	\$ 193,208.40	\$ 0.4100	\$ 193,208.40	Calpine
				657,030		\$	\$ 274,881.69	
	TRANSCO	3-6	N	90	\$ 39.00	\$ 0.4333	\$ 39.00	PPL
	TRANSCO	3-6	N	7,110	\$ 3,087.00	\$ 0.4342	\$ 3,087.00	Sprague
	TRANSCO	3-6	N	75,450	\$ 32,759.70	\$ 0.4342	\$ 32,759.70	Hess
	TRANSCO	3-6	N	103,230	\$ 44,821.50	\$ 0.4342	\$ 44,821.50	UGI
	TRANSCO	3-6	N	300,000	\$ 174,900.00	\$ 0.5830	\$ 174,900.00	BP
	TRANSCO	3-6	N	300,000	\$ 174,300.00	\$ 0.5810	\$ 174,300.00	BP
				785,880		\$	\$ 429,907.20	
December-11	TETCO	WLA - M-3	N	9,765	\$ 4,294.64	\$ 0.4398	\$ 4,294.64	Sprague Ener
	TETCO	STX - M-3	N	82,398	\$ 36,238.64	\$ 0.4398	\$ 36,238.64	Hess
	TETCO	STX - M-3	N	341	\$ 149.97	\$ 0.4398	\$ 149.97	So. Jersey Res
	TETCO	STX - M-3	N	93	\$ 40.91	\$ 0.4399	\$ 40.91	PPL
	TETCO	STX - M-3	N	101,494	\$ 44,637.05	\$ 0.4398	\$ 44,637.05	UGI
	TETCO	WLA - M-3	N	115,000	\$ 65,550.00	\$ 0.5700	\$ 65,550.00	Colonial Enc
	TETCO	WLA - M-3	N	486,948	\$ 199,648.68	\$ 0.4100	\$ 199,648.68	Calpine Ener
				796,039		\$	\$ 350,559.89	
	TRANSCO	3-6	N	93	\$ 40.30	\$ 0.4333	\$ 40.30	PPL
	TRANSCO	3-6	N	341	\$ 147.87	\$ 0.4336	\$ 147.87	S. Jersey Res.
	TRANSCO	3-6	N	9,796	\$ 4,253.20	\$ 0.4342	\$ 4,253.20	Sprague Operating Res
	TRANSCO	3-6	N	82,429	\$ 35,789.81	\$ 0.4342	\$ 35,789.81	Hess
	TRANSCO	3-6	N	310,000	\$ 180,730.00	\$ 0.5830	\$ 180,730.00	BP Energy
	TRANSCO	3-6	N	310,000	\$ 180,110.00	\$ 0.5810	\$ 180,110.00	BP Energy
	TRANSCO	3-6	N	101,494	\$ 44,067.74	\$ 0.4342	\$ 44,067.74	UGI
				814,153		\$	\$ 445,138.92	

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 Pennsylvania Public Utilities Commission
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Asset Management*		
MONTH	Total Revenue	Total Credit
Jan-11	\$91,166	\$91,166
Feb-11	\$91,166	\$91,166
Mar-11	\$91,166	\$91,166
Apr-11	\$164,024	\$164,024
May-11	\$66,850	\$66,850
Jun-11	\$66,850	\$66,850
Jul-11	\$66,850	\$66,850
Aug-11	\$66,850	\$66,850
Sep-11	\$66,850	\$66,850
Oct-11	\$66,850	\$66,850
Nov-11	\$66,850	\$66,850
Dec-11	\$66,850	\$66,850
TOTAL	\$534,800	\$534,800

*1.5 bcf of WSS Storage

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Philadelphia Gas Works

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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 2011 - December 2011 (ccf)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MDQ(Dth)
1	39158	28383	23366	12788	5753	5059	4583	4724	5034	6869	15706	23473	1833
2	84023	65203	65712	58439	44907	34500	32750	36371	36886	53156	53904	59983	267
3	216375	176261	169549	153845	149729	142510	130070	128260	124817	138532	142812	169284	420
4	75508	64025	59958	42646	37140	33556	33218	34637	35002	40758	41041	50774	360
5	69711	58608	60786	56266	61294	61273	57710	60862	54331	55005	71794	80036	706
6	40180	39090	41720	36910	37210	37370	30300	37670	33070	32670	37410	37890	1465
7	38600	31000	32100	11500	0	0	0	0	0	2800	7100	27200	547
8	77789	62366	58293	38995	29108	24462	23357	25270	22908	34951	41824	55499	994
9	75334	60931	55431	33297	26776	20199	17263	24558	24732	38811	52336	63003	400
10	40700	24400	22800	3500	0	0	0	0	0	2000	8200	20900	1032
11	11460	8430	7620	1740	60	0	0	0	60	700	2350	6290	348
12	48300	38700	27800	2100	0	0	0	0	0	1600	12300	28400	1222
13	23500	17105	14654	7308	0	0	0	0	0	5427	12557	17260	340
14	0	0	5920	970	190	0	0	0	0	1440	3330	6310	340
15	35480	30600	34980	27140	19990	18740	17490	20500	17650	21730	28420	32720	900
16	213637	172555	158237	75732	0	0	0	0	304	1724	106138	160652	1225
17	60503	45212	44386	22026	11431	8272	7250	8301	9629	18305	25171	36342	417
18	11847	14295	15927	9490	12307	13470	6942	8642	10318	15087	10456	11192	1252
19	64570	49850	49080	34340	21400	13820	11810	12470	16930	24490	35600	46990	240
20	11500	35450	32280	5670	110	0	20	50	130	6950	18820	29070	351
21	57260	49660	50890	32300	22230	17600	15860	17100	25560	33050	30040	42270	720
22	32015	29187	43455	42699	41422	57151	63409	53224	37189	32578	31680	37639	628
23	27521	23417	25069	22613	21002	19610	18209	18784	18804	22082	23180	27254	200
24	9100	4900	4110	1040	0	0	0	0	20	760	1880	3480	278
25	25410	21130	14130	7540	5400	3510	2380	2510	3880	6630	10710	17070	180
26	14310	10510	8760	1140	0	0	0	0	0	930	2500	4160	403
27	18590	10450	7730	1680	0	0	0	0	0	1810	2940	6420	311
28	13050	10620	10310	6280	3570	1220	1230	1250	1360	4450	8210	8200	523
29	9760	5870	6450	200	0	0	0	10	0	1070	2610	4310	424
30	67431	49226	44532	26966	10061	7163	6193	6348	7328	13385	26173	40609	648
31	49610	45030	43320	31180	23830	20940	18820	19340	22070	28000	34760	41220	432
32	34300	25710	22250	9630	7100	5270	4610	4850	5340	10070	19130	29920	496
33	23510	19410	17230	6020	0	0	0	0	0	1900	7920	9410	377
34	15100	9940	8290	2540	0	0	0	0	0	0	3420	5590	383
35	8524	4319	4531	2818	1335	825	841	1301	2762	3442	3602	4061	60
36	15670	8470	6630	1260	0	0	0	0	20	1290	3320	6690	340
37	48961	44986	45014	42590	38295	32367	32311	31653	32679	45683	48216	50423	200
38	51740	20	180	40	20	0	0	0	0	0	130	710	958
39	106483	82534	80391	54652	55135	54895	45824	65373	54566	64314	62800	63421	407
40	28072	22193	21572	12598	6141	697	12	1367	3575	12073	16609	21098	172
41	3630	2752	2396	1090	544	459	442	472	355	80	1154	2369	172
42	35636	27934	23788	9145	0	0	0	0	0	8134	15972	8531	31
43	114272	82980	72180	22057	0	0	0	0	0	13280	37637	67039	784
44	0	0	13339	3474	0	0	0	0	0	3454	10971	14652	782
45	68352	44429	40584	15593	0	0	0	0	214	12389	22748	31186	14
46	78733	60389	56774	20085	1473	0	0	0	803	15265	33475	54363	2191
47	22080	12250	11470	2330	50	0	0	10	10	1740	0	12040	314
48	34182	25193	20351	6645	41	51	20	0	0	7567	13774	19682	120
49	69430	51930	43890	22842	7951	6658	7556	9022	8200	15565	32941	46602	1833
50	8084	7000	6239	2682	891	442	555	853	1625	2058	4177	7211	300
51	20045	9185	10287	6589	2496	1045	701	995	527	3498	8264	12056	302
52	24883	18584	15246	5096	352	0	0	0	11	3480	8769	14704	336
53	52590	41280	38720	23820	10040	7190	5990	5140	7150	18570	29260	39960	958
54	6726	5305	4836	3342	1846	844	908	922	933	4540	3905	4622	419
55	69611	56425	57477	44695	24958	26283	0	57763	32943	52499	49277	53343	408
56	27100	18100	12900	3100	0	0	0	0	0	2500	6800	13000	302
57	15665	10692	8665	3423	0	0	0	0	0	2161	5821	9203	216
58	5533	4860	4457	3687	2072	1114	861	946	1522	2450	3611	3999	216
59	18520	14040	12050	6960	4010	2990	3270	3330	3560	7180	9500	10070	266
60	0	0	0	0	0	0	0	0	0	110	0	2050	0
61	62136	44546	36707	20463	5938	4432	3727	3855	4037	13414	25685	37658	360
62	34048	25461	23966	13521	4977	3888	3386	3695	3706	10808	16298	24575	782
63	15630	11050	8780	4910	3210	6570	8970	7160	5420	1700	0	10200	144
64	42625	34941	31836	17504	10583	77528	88785	76773	35814	12640	22456	30918	360
65	22840	20710	15580	3460	0	0	0	0	0	670	11930	13450	81
66	0	0	0	0	0	274428	26910	29257	26426	33496	38156	46378	500
67	100000	78000	74900	51200	42000	39200	37200	10500	14300	54600	60400	71000	946
68	36120	25160	24540	12650	4710	3380	3060	3070	3340	6230	14190	20580	2847
69	3960	3006	2653	1456	813	618	559	519	656	1228	1991	2538	54
70	22437	16477	15801	8629	3225	2994	2803	2933	3233	6342	10194	16661	75
71	35180	27900	25920	8590	0	0	240	0	0	6070	14080	21530	354
72	0	0	0	0	0	0	0	0	101	305	1043	2059	92
73	74490	58890	52090	28580	23860	14710	12610	12650	12540	19940	33550	44600	419
74	82750	71369	53426	37224	26512	11382	10578	12185	10578	19282	38429	48472	43
75	45497	26914	32254	7369	0	0	0	107	0	6622	13884	23923	925
76	33127	23781	21277	11676	3789	1567	1312	1446	1767	5905	13042	19911	222
77	18320	13310	10420	2740	20	0	0	0	0	1950	7200	13200	302
78	40430	32360	26100	14380	13530	12830	11920	12490	6330	0	0	23020	624
79	41310	31450	26360	16020	4650	0	0	0	7550	25380	36250	28680	622
80	38608	31570	29007	16426	5308	4304	3941	4219	4667	11000	17729	23101	782

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	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MDQ(Dth)
81	39399	32147	28548	18455	5799	5767	4272	3289	2606	9228	20773	25525	3128
82	36280	29199	27330	15454	5468	4945	4806	4646	5041	10776	15678	25429	782
83	66655	51790	48371	24196	8700	5165	5050	5249	6575	19767	32623	42122	522
84	4770	4541	5082	2928	2272	2731	3020	3110	3628	5100	4702	6154	162
85	6920	5130	4470	980	0	0	0	0	0	570	1720	2740	312
86	25287	19130	17210	6680	3715	6078	9701	8849	4976	6771	13064	16642	373
87	49180	19380	16710	10080	6970	6030	5130	5380	6270	8360	12760	16930	313
88	34747	29110	26673	7860	268	174	0	0	0	1767	14756	24423	522
89	39158	30089	26822	14724	4374	0	0	0	176	13669	20111	26719	240
90	10620	6890	6060	390	0	0	0	0	0	780	2540	4620	281
91	71385	49245	44792	15294	1730	1004	758	865	833	12741	22588	41716	490
92	2270	1636	1550	542	0	0	0	0	0	362	714	1427	432
93	27660	21320	18000	4930	0	0	0	0	0	2940	9920	18110	209
94	15958	11926	8428	3002	3	2	3	2	2	1930	5226	8439	0
95	20020	14065	10509	3177	0	0	0	0	0	0	5933	10257	0
96	15530	8470	6330	940	0	10	0	0	0	310	2640	6570	383
97	2262200	1488700	1271100	1601700	1724400	1892800	1862800	1928584	2190800	2126300	1956100	2110100	0
98	60042	46225	39681	15637	2353	1624	1279	1299	1683	13546	24872	28244	1046
99	24521	18647	17163	10135	2606	2286	2040	2104	2157	6312	11898	16629	479
100	38590	28770	23160	9180	0	0	0	90	50	6640	20200	27930	305
101	44430	77550	82150	72960	66140	100280	108410	100740	98160	82160	85300	85654	707
102	21100	14610	12790	6590	0	0	0	0	0	2480	7480	14400	272
103	0	0	0	49000	50500	45200	27400	42900	48300	48100	52500	20200	750
104	10006	6914	6270	2415	0	0	0	0	2	745	2479	4159	295
105	90558	69176	59908	27855	11212	10957	10153	9549	7589	20093	34584	53105	173
106	32790	24370	21510	12460	7540	5770	4590	5400	6170	10850	15390	20350	403
107	21740	16660	16080	6500	0	0	0	0	40	6390	9760	13430	454
108	12314	6953	5276	769	0	0	0	0	21	769	2221	4614	591
109	152513	117900	115600	0	220800	100600	158600	137000	97200	87200	93600	123400	1300
110	50538	39228	33813	21627	15956	12688	12015	12432	12656	19854	22385	33161	504
111	14180	8220	7360	1650	0	0	0	0	20	990	4920	7720	0
112	44247	39328	43963	46485	44122	35171	21255	29559	35932	41021	42566	35068	503
113	46900	30900	23500	1600	0	0	0	0	0	2900	9400	16200	244
114	56209	30206	25719	3510	0	0	0	0	80	3306	15654	26117	733
115	14240	10400	9570	4550	1320	0	0	0	0	3430	7780	10450	269
116	0	0	0	0	0	0	0	20220	16290	21100	21420	19580	0
117	28760	23520	22710	10050	0	0	0	0	0	7180	17000	20770	556
118	78882	22556	22620	2350	0	0	0	0	11	3140	9591	16170	907
119	44711	31164	20568	4452	0	0	13	0	0	2124	9731	15722	934
120	0	0	85394	319000	18600	9800	10100	10200	15500	22100	54800	60200	1400
121	100	500	400	400	1800	12300	38100	6200	11600	0	0	100	4372
122	18380	14540	11470	7370	3040	660	0	3480	2550	5820	11150	14260	1669
123	0	416100	290900	20700	0	0	0	0	0	2034	177787	219044	0
124	12030	7300	5840	1390	0	0	0	0	0	1060	1910	3880	277
125	24890	24250	26090	20650	19820	18460	16440	17160	17280	16810	20970	20850	178
126	66334	49838	41429	15291	1205	13	0	0	0	11462	27503	43946	859
127	25690	15170	13330	2850	0	10	0	0	0	1420	4710	9300	554
128	41168	26981	22061	9522	4907	2894	2798	2970	2858	5573	12017	20460	0
129	0	0	0	0	0	0	0	6340	10150	13400	17780	17410	0
130	43788	37273	37700	29156	26807	24030	23069	23603	23176	28409	32147	37273	123
131	5062	3881	3482	1693	879	648	594	637	691	1381	2091	3262	204
132	14193	11325	9788	6325	2127	1155	845	1000	1386	4614	6656	8134	204
133	28470	20766	18294	11154	7604	5764	5502	5986	6488	10086	13133	17755	424
134	11350	7316	5804	3271	197	0	0	0	0	2839	5774	7566	163
135	22470	18150	15389	8677	3089	0	0	0	2	3579	12035	14094	324
136	5801	4245	3558	1174	438	82	79	83	87	870	1981	3588	120
137	0	0	0	0	0	0	0	0	0	1704	3828	5135	0
138	15919	11101	9506	3639	0	1	0	0	3	2413	5289	8284	241
139	60900	44300	34700	8600	0	0	0	0	0	9500	30300	33700	698
140	53357	40656	35896	29010	0	55395	27014	27099	24125	27217	27752	34226	240
141	40820	19410	27560	29040	39480	30070	27660	43430	33950	32690	26210	24110	141
142	66470	54050	53860	35060	24340	20310	17344	16583	17677	33090	38667	50413	400
143	31810	16620	17540	3680	0	0	0	0	0	2020	5850	6810	389
144	111400	82400	70700	35900	15500	12900	8200	900	3500	33900	53000	70700	565
145	31524	26676	25862	25426	27312	27495	27847	28355	27318	28452	26178	27370	703
146	27269	20518	16958	9415	3941	3097	3581	3447	2603	7944	13562	19932	264
147	19871	21504	25615	24330	23593	23981	22281	21545	22602	21009	21678	23285	418
148	0	0	0	0	0	0	13926	13669	13606	13831	16158	16305	495
149	16940	9070	6520	970	0	0	0	0	0	530	2600	3700	469
150	12026	11085	7684	5794	952	899	1377	1200	867	3784	3909	5508	449
151	20056	18860	19658	15954	19223	17593	16644	14672	16257	19205	16788	12073	305
152	76410	70255	74492	67550	62923	56870	61533	62417	44498	67612	64977	67329	550
153	17842	11614	8774	2819	0	0	0	11	0	1746	4713	8121	0
154	13193	8881	6450	1723	0	0	0	0	3	1026	3282	5432	180
155	88400	74900	73100	56000	44200	42200	39700	41900	42100	56200	62100	72700	1461
156	103100	87900	87500	66500	52300	49400	46400	49300	49600	66200	72700	85100	1461
157	47740	32040	25098	7796	0	0	0	0	107	4806	10680	20506	192
158	102524	79673	84982	59147	56382	43137	43058	43134	44498	62470	67843	82734	1046
159	95001	74644	71011	41077	31671	29993	29015	34421	38012	44261	64495	73969	1380
160	81631	56426	43506	15876	0	0	0	0	0	7846	23157	46749	316

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161	37330	26740	20860	7310	130	0	0	0	0	3620	8480	22960	302
162	48010	34990	29360	13760	1910	2640	2150	2280	2550	12420	19660	29820	750
163	0	8579	0	0	0	0	0	0	46600	34800	38500	17300	1355
164	0	0	0	0	0	0	0	0	0	0	3382	4171	302
165	380000	313500	306600	213500	167300	134200	128000	134900	136300	196500	229700	280600	5500
166	52300	39600	41500	22900	20500	14400	12800	13300	19800	49000	42100	51800	5500
167	778300	588300	549900	382700	318800	231700	184900	237800	287600	389100	477100	589300	5500
168	83200	59800	54200	28600	21200	16400	21400	22400	20200	22400	33800	46200	1709
169	84200	65100	65400	31100	2700	2500	2300	2400	2600	16200	45600	61000	151
170	23258	17394	16496	10511	4191	629	308	362	750	6923	11837	17447	605
171	12180	9340	5470	7040	5300	4780	4110	4020	4880	7090	7570	10370	277
172	32410	30062	32135	27517	33142	36682	25142	28767	24971	24887	24219	25435	63
173	79985	74552	82654	67295	75161	74686	66170	69571	67118	69439	73685	76746	437
174	5880	5132	5035	4593	3560	2054	1236	1756	2888	3548	4619	5136	130
175	8513	6028	5153	2340	1362	802	535	682	810	1681	2941	5032	31
176	11344	9483	8409	5738	5687	5706	5136	5528	4646	5089	5037	6976	114
177	2100	1885	1788	820	269	219	198	199	216	542	1368	1886	89
178	14089	10441	8285	883	0	0	0	1	0	757	3122	6167	149
179	34989	25610	22414	11559	5455	5075	3954	4495	4723	8195	13206	19082	676
180	9755	7471	6208	3641	2813	2505	2297	2606	2824	3527	4014	5956	133
181	100	1500	800	1200	5300	35200	110500	17900	30600	0	0	300	1222
182	43100	24200	23600	3900	0	0	0	0	0	6600	12500	19200	644
183	42229	29594	22289	4496	278	0	0	0	0	427	7359	19085	301
184	44692	33989	28920	10884	0	0	0	0	0	3299	11859	26235	720
185	11827	10866	11005	2724	0	0	0	0	0	1841	4081	6188	202
186	10288	10146	10150	8149	8126	7654	6540	8817	10021	10345	10187	11262	30
187	11413	7464	5061	824	58	0	0	0	19	218	2586	5388	228
188	90525	80946	89059	86581	84284	85175	84426	85466	82450	85756	88908	77266	1151
189	8441	6287	4777	1054	1671	7240	5262	6507	5491	352	1324	3112	302
190	300933	273981	309205	272400	246218	192706	165545	196424	130946	205514	190886	194385	1500
191	612	754	713	0	975	124	257	378	549	635	445	269	130
192	2549	2011	2097	1416	530	565	578	353	409	825	1870	2141	89
193	20426	12428	11486	1315	0	2	1	0	24	668	3023	5352	285
194	7495	5842	4436	2038	1531	1472	1084	1945	2748	3755	3085	4239	183
195	8100	6265	5343	3610	2793	1110	379	755	1102	2878	4301	5685	240
196	60363	47003	41022	4016	0	0	0	11	11	4603	20559	23987	831
197	0	0	0	0	0	0	0	6130	8610	40	30	30	84
198	138693	121710	115575	98621	63614	76809	86529	88959	104595	115378	101520	98612	1464
199	63579	50077	46634	34010	25253	21719	31683	35417	35984	48357	47961	43987	907
200	52500	37100	32400	20900	15100	11800	12800	11100	18043	18281	17345	26621	728
201	154160	115880	108270	82930	52350	0	0	0	0	34660	78500	94330	1565
202	0	0	0	0	0	0	0	0	0	102	1859	3023	0
203	15210	14440	16260	14420	13810	12960	6370	14870	13820	14460	12040	7670	313
204	60240	45650	37730	6250	0	0	0	0	0	5780	23860	41570	432
205	33120	24320	18770	2140	0	0	0	10	0	4420	8250	18830	115
206	14234	11513	10749	7967	8632	8992	7761	8085	8004	9159	9219	8718	281
207	35248	25502	21091	11147	4036	3068	2914	3392	3695	5496	13719	20972	500
208	52865	40168	33718	33321	53867	60592	86073	72962	66778	37059	31948	38528	456
209	13997	9611	8156	3358	396	343	297	300	331	1610	4927	8768	237
210	14557	9741	8322	2928	0	0	0	0	22	3017	3740	7458	396
211	31692	22396	19532	6256	0	0	0	0	0	3009	6876	11147	240
212	14870	9400	7960	1770	0	0	0	0	0	1460	4840	8680	272
213	510100	476100	508000	392300	433400	363700	416100	487400	478600	500000	440600	372000	3432
214	74984	57577	50346	28789	13524	10043	10043	12051	12319	21692	36153	46196	2169
215	8428	5915	4551	1300	947	706	639	826	971	1098	0	7043	170
216	19162	8301	6081	1558	0	0	0	0	1	1853	2352	2502	269
217	33233	26094	24992	10677	3109	2562	2357	2467	2575	9679	16235	23355	320
218	0	0	0	30449	22301	8456	7829	7963	10800	25754	35595	48542	720
219	7211	5328	4969	680	0	0	0	0	14	381	1677	5202	136
220	19530	13703	11204	8323	6122	3877	3703	4019	4546	6430	17333	15887	215
221	15380	9621	9659	6052	8084	7178	806	910	831	2463	4792	7256	103
222	12865	4780	4110	2004	231	3	0	2	7	1492	2671	4112	120
223	18433	13214	11191	6630	3038	292	290	485	9	3198	5178	10001	131
224	0	3596	3729	3343	3194	2708	2457	1324	2620	2900	2515	2896	132
225	0	0	0	0	0	0	0	821	854	2723	3731	4858	0
226	0	46224	12292	4135	57	0	91	0	0	2026	7453	16041	346
227	0	0	12300	92053	67382	73553	108696	131147	113842	137143	149197	56706	549
228	89505	65354	65025	48962	33773	22538	19437	21629	25696	42668	47076	63037	576
229	11803	9667	10171	7824	6475	5495	4403	5649	5641	6623	8723	9967	518
230	24498	15764	18624	13082	11408	8156	8565	8832	8144	8838	0	14094	1362
231	22936	16500	14329	7175	3861	2489	2126	2076	2278	6156	9795	14347	174
232	8794	7140	6765	3601	903	551	533	436	329	2841	4981	6834	174
233	8573	6582	6044	3153	970	452	406	452	518	2381	4574	6569	174
234	15126	11381	9544	3292	0	0	0	0	2	2114	5264	9566	111
235	4399	3982	3945	4723	7607	7609	5563	9897	8294	6817	6236	4999	78
236	9146	7226	6710	3443	1171	1061	909	1109	1324	2764	4969	8866	480
237	9438	8831	7841	2409	969	794	975	1217	1339	2860	5996	7166	172
238	14800	9350	6960	1280	0	10	0	0	0	520	2320	4270	172
239	25120	21393	23657	17335	15340	15194	12993	14591	14364	16713	16946	17496	42
240	34848	25777	21739	13040	3131	1973	1798	1917	2057	6062	14325	20050	291

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241	11355	7318	6395	1447	138	0	0	0	66	1170	4323	5158	211
242	12487	6946	6400	784	0	0	0	0	0	508	2431	3640	260
243	13547	10032	9062	4379	2807	0	0	0	0	2612	2375	4683	272
244	18872	13247	11025	3482	0	0	0	0	3	3027	9672	14330	152
245	14496	8411	7350	3772	2014	456	0	31	2591	2622	4111	7275	257
246	22196	15489	13050	7052	4561	3955	3983	4281	4125	6578	8888	12054	278
247	0	0	4639	720	0	0	0	0	0	492	1788	3422	0
248	21448	14002	8577	1505	0	0	0	10	3	578	3711	8990	235
249	21829	11842	6207	506	0	0	0	58	0	63	1263	5513	368
250	12908	9212	7380	2232	0	0	0	0	0	1198	4565	6318	167
251	35831	28414	22049	5968	0	0	0	0	1063	5477	8870	19526	429
252	31544	24843	16002	3697	0	0	0	0	0	182	7640	10931	251
253	22983	17015	16078	7652	0	0	0	0	0	4408	10159	15821	100
254	0	0	0	0	0	0	0	0	0	0	476	1151	0
255	0	0	0	0	0	0	0	0	0	0	0	4251	65
256	20070	14124	13184	8241	5966	5108	2409	300	3629	6990	8241	11601	65
257	0	0	0	0	0	0	0	0	0	0	0	3169	163
258	16042	12218	9807	4277	0	0	1	0	0	2161	5676	8737	149
259	0	0	0	0	0	0	0	0	0	318	944	2262	0
260	11172	7012	4753	1991	0	0	0	0	0	635	3164	5653	209
261	14130	9773	7855	1443	0	0	0	0	0	2010	5955	8980	90
262	71656	52631	48907	26122	20358	17494	15475	17812	18642	23066	30771	34669	336
263	9092	6213	4696	1168	0	11	0	0	4	1135	3105	5186	115
264	9561	7826	6147	2912	0	0	0	0	0	1206	3581	5776	120
265	26646	13023	13574	2628	367	0	0	2	38	2150	4675	9557	201
266	6991	4331	3633	214	0	0	0	0	0	502	1353	2879	139
267	15422	12225	10334	1886	2221	4956	3513	86	2661	1052	3386	5384	599
268	17029	13361	11344	2083	2520	5640	4028	98	3050	1192	3787	5926	599
269	7639	5817	5134	0	9378	4016	3697	3450	3547	4408	4830	5376	254
270	15187	12022	10706	6586	11553	28847	30770	26062	17556	5072	7852	10113	296
271	9898	9179	11592	9539	10036	11130	9689	11732	9697	10904	9942	8811	141
272	14244	9447	7466	3274	200	0	0	8	465	2927	4614	7603	120
273	20396	15421	0	0	0	0	0	0	0	0	11984	19373	89
274	7448	4907	3584	0	1235	3	8	1	3	593	1636	3688	90
275	7367	4867	3346	0	1153	20	0	0	0	587	1558	3745	90
276	10188	7754	6881	4372	2105	1089	1021	1077	1021	2642	4256	6618	72
277	18684	12986	10468	4734	27	0	0	0	4	4143	7380	11407	72
278	8662	7243	6459	1652	0	2	0	0	1	1422	3970	6533	82
279	6446	4739	4023	2006	1043	953	195	926	696	1752	2592	3548	54
280	8505	6100	4891	1153	0	0	0	0	0	1137	2456	4441	75
281	0	0	0	0	0	0	0	0	0	0	0	4059	75
282	11443	8760	7182	3236	0	0	0	0	0	568	3723	4923	54
283	111365	91614	93502	49918	10752	6963	7271	3401	321	29043	69521	84062	269
284	11941	9498	8324	5582	5027	4316	2338	4294	5054	5550	6526	8061	50
285	14588	11596	10189	6785	6240	5391	2929	5420	6352	6919	8073	9941	50
286	6179	4971	4429	1838	216	0	0	0	43	1699	3402	4892	86
287	5975	1822	4276	2287	1353	1186	1075	1218	1082	1461	2413	4202	402
288	5926	1948	4204	2306	1355	1189	1014	1255	1106	1419	2432	4204	402
289	7391	5823	4451	1207	0	0	0	0	0	138	1714	4069	187
290	29096	25886	26257	22929	6149	15653	19342	18454	16806	17962	19859	21894	703
291	12982	12887	10183	1241	0	0	0	0	42	1515	2861	6175	200
292	7496	6268	6553	6030	5826	5001	4225	4902	5203	6366	6006	7615	144
293	8925	7748	8746	6373	5832	5225	3869	5536	4712	5492	5309	4049	513
294	0	0	4097	930	7	0	0	0	1	341	1453	2405	232
295	47943	42163	34696	16414	6053	4396	4000	4376	5167	0	39298	36057	392
296	16300	12540	9950	5660	0	0	0	0	0	1420	7790	9710	346
297	31471	26235	24930	7398	0	0	0	0	0	8030	16882	21958	100
298	0	0	0	54915	58215	55961	60271	60518	58221	66145	61845	65413	0
299	19160	15897	16455	15434	16169	20668	18049	25012	17898	16003	21268	21821	168
300	15896	14527	11267	8225	9149	9742	8992	10381	9130	10417	9796	9725	235
301	19713	15890	13889	8346	2152	1776	1606	1749	1876	5806	9518	12916	140
302	9838	6959	5064	3476	547	455	374	391	453	1309	2456	4539	140
303	7730	5301	4097	367	0	0	0	0	0	51	2925	5068	83
304	0	0	0	0	0	0	12085	11770	11776	12027	14199	14399	0
305	17258	12107	13917	4639	2879	2229	1060	625	638	3487	8796	11656	8
306	9687	6828	5951	872	0	0	0	0	0	69	2819	7493	75
307	0	8790	3236	1420	341	51	128	339	989	1541	2517	2717	215
308	6045	11265	3461	1405	331	5	0	364	762	1499	2894	3569	215
309	6262	4627	4383	2936	2145	1577	1374	1807	1998	3982	4616	4614	73
310	14214	10820	9874	4907	1828	1379	1204	1313	1507	4364	6226	8710	153
311	15625	13144	10321	3527	51	0	0	0	59	1150	6171	8395	235
312	0	0	0	0	0	0	0	1638	1806	2330	2583	3227	0
313	18880	12410	9073	1723	0	0	0	0	0	2103	5818	9461	186
314	24190	12846	8557	1732	0	0	0	0	8	871	3155	7281	27
315	4500	3402	2999	1479	734	549	438	433	527	1221	1984	3136	48
316	8338	6712	5738	3014	1445	1402	1242	1135	1133	3007	4291	5829	156
317	8325	6132	5569	2593	1091	4216	2447	1185	3737	2784	4519	5507	95
318	9165	6925	5965	2333	0	0	0	0	0	1239	4048	6320	98
319	8179	7747	6659	4191	1726	1762	1654	2003	0	5170	5561	6297	844
320	32350	21156	17608	9172	7284	6066	12520	12573	9507	9601	11405	17409	844

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	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MDQ(Dth)
321	0	0	0	0	0	0	0	0	1583	1473	1784	2515	72
322	6369	6527	5801	4523	3661	3876	2957	2754	3855	4272	5190	4977	126
323	4796	3754	3247	0	1998	0	0	0	1	565	1895	3337	120
324	13913	9394	6827	1875	175	0	0	0	4	1109	1928	6215	163
325	6852	4690	2539	982	3	0	13	0	0	686	2175	4132	223
326	10861	8353	7962	3269	139	0	0	0	0	1624	5492	7693	72
327	19107	15476	15441	4354	0	0	0	0	0	3854	7835	14220	26
328	54550	51410	53620	37030	40550	12617	9086	22698	17242	29928	28704	38561	748
329	123790	93910	92710	43540	4290	0	0	0	0	34940	54840	85420	2087
330	39432	29493	24128	12007	5201	217	0	0	231	10457	19141	27014	576
331	12792	9124	5583	847	0	0	0	0	0	1577	1617	4661	397
332	0	0	0	0	0	0	0	0	0	0	4044	25679	2365
333	29733	20612	16874	5393	1826	0	0	0	53	5447	8491	14568	701
334	23960	15690	10870	0	1380	0	0	0	0	2400	5700	13710	0
335	0	0	0	0	0	0	0	39880	13630	15050	16040	16370	250
336	0	0	0	0	7870	0	0	0	0	590	2360	4520	229
337	0	0	0	14863	9641	7498	8168	11382	13658	7766	12453	20353	120
338	10082	7073	6649	1913	0	0	0	0	0	1758	0	9068	1269
339	413200	340600	332700	230800	180300	144600	138200	145700	147000	212300	248800	304100	4740
340	4743	3750	3353	1792	1060	840	738	685	860	1554	2239	3312	64
341	4488	3435	3156	1680	936	732	637	662	720	1360	2133	3086	64
342	2651	3420	1598	845	289	125	7	443	577	1225	2646	2285	89
343	2423	1821	1807	1313	522	577	625	320	385	762	1830	2228	89
344	429785	281190	267532	200850	159341	113681	118100	124527	109664	158538	186523	252000	3300
345	5770	4556	4487	1944	0	0	0	0	0	1263	3316	4725	31
346	0	0	4749	526	1	0	1	0	1	222	2659	3630	202
347	8049	6201	5273	2522	0	0	0	0	0	931	3538	5215	1080
348	20876	17984	19729	18174	17403	11288	11336	11531	14001	17309	16938	18780	60
349	0	0	0	0	0	0	0	0	0	0	0	8490	416
350	0	0	0	0	0	0	0	0	0	4153	3916	3583	168
351	8644	6584	5860	3196	1338	592	526	542	648	2276	4157	5868	8
352	1087870	940480	1024840	859490	918040	877840	767230	825210	891250	954470	698530	589770	28589
353	11282910	9620640	11119180	6652770	9115340	8255970	8846400	8575630	7922390	5422750	9135590	9422820	288691

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 2011 - December 2011 (ccf)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MDQ(Dth)
1	39158	28383	23366	12788	5753	5059	4583	4724	5034	6869	15706	23473	1833
2	84023	65203	65712	58439	44907	34500	32750	36371	36886	53156	53904	59983	267
3	216375	176261	169549	153845	149729	142510	130070	128260	124817	138532	142812	169284	420
4	75508	64025	59958	42646	37140	33556	33218	34637	35002	40758	41041	50774	360
5	69711	58608	60786	56266	61294	61273	57710	60862	54331	55005	71794	80036	706
6	40180	39090	41720	36910	37210	37370	30300	37670	33070	32670	37410	37890	1465
7	38600	31000	32100	11500	0	0	0	0	0	2800	7100	27200	547
8	77789	62366	58293	38995	29108	24462	23357	25270	22908	34951	41824	55499	994
9	75334	60931	55431	33297	26776	20199	17263	24558	24732	38811	52336	63003	400
10	40700	24400	22800	3500	0	0	0	0	0	2000	8200	20900	1032
11	11460	8430	7620	1740	60	0	0	0	60	700	2350	6290	348
12	48300	38700	27800	2100	0	0	0	0	0	1600	12300	28400	1222
13	23500	17105	14654	7308	0	0	0	0	0	5427	12557	17260	340
14	0	0	5920	970	190	0	0	0	0	1440	3330	6310	340
15	35480	30600	34980	27140	19990	18740	17490	20500	17650	21730	28420	32720	900
16	213637	172555	158237	75732	0	0	0	0	304	1724	106138	160652	1225
17	60503	45212	44386	22026	11431	8272	7250	8301	9629	18305	25171	36342	417
18	11847	14295	15927	9490	12307	13470	6942	8642	10318	15087	10456	11192	1252
19	64570	49850	49080	34340	21400	13820	11810	12470	16930	24490	35600	46990	240
20	11500	35450	32280	5670	110	0	20	50	130	6950	18820	29070	351
21	57260	49660	50890	32300	22230	17600	15860	17100	25560	33050	30040	42270	720
22	32015	29187	43455	42699	41422	57151	63409	53224	37189	32578	31680	37639	628
23	27521	23417	25069	22613	21002	19610	18209	18784	18804	22082	23180	27254	200
24	9100	4900	4110	1040	0	0	0	0	20	760	1880	3480	278
25	25410	21130	14130	7540	5400	3510	2380	2510	3880	6630	10710	17070	180
26	14310	10510	8760	1140	0	0	0	0	0	930	2500	4160	403
27	18590	10450	7730	1680	0	0	0	0	0	1810	2940	6420	311
28	13050	10620	10310	6280	3570	1220	1230	1250	1360	4450	8210	8200	523
29	9760	5870	6450	200	0	0	0	10	0	1070	2610	4310	424
30	67431	49226	44532	26966	10061	7163	6193	6348	7328	13385	26173	40609	648
31	49610	45030	43320	31180	23830	20940	18820	19340	22070	28000	34760	41220	432
32	34300	25710	22250	9630	7100	5270	4610	4850	5340	10070	19130	29920	496
33	23510	19410	17230	6020	0	0	0	0	0	1900	7920	9410	377
34	15100	9940	8290	2540	0	0	0	0	0	0	3420	5590	383
35	8524	4319	4531	2818	1335	825	841	1301	2762	3442	3602	4061	60
36	15670	8470	6630	1260	0	0	0	0	20	1290	3320	6690	340
37	48961	44966	45014	42590	38295	32367	32311	31653	32679	45683	48216	50423	200
38	51740	20	180	40	20	0	0	0	0	0	130	710	958
39	106483	82534	80391	54652	55135	54895	45824	65373	54566	64314	62800	63421	407
40	28072	22193	21572	12598	6141	697	12	1367	3575	12073	16609	21098	172
41	3630	2752	2396	1090	544	459	442	472	355	80	1154	2369	172
42	35636	27934	23788	9145	0	0	0	0	0	8134	15972	8531	31
43	114272	82980	72180	22057	0	0	0	0	0	13280	37637	67039	784
44	0	0	13339	3474	0	0	0	0	0	3454	10971	14652	782
45	68352	44429	40584	15593	0	0	0	0	214	12389	22748	31186	14
46	78733	60389	56774	20085	1473	0	0	0	803	15265	33475	54363	2191
47	22080	12250	11470	2330	50	0	0	10	10	1740	0	12040	314
48	34182	25193	20351	6645	41	51	20	0	0	7567	13774	19682	120
49	69430	51930	43890	22842	7951	6658	7556	9022	8200	15565	32941	46602	1833
50	8084	7000	6239	2682	891	442	555	853	1625	2058	4177	7211	300
51	20045	9185	10287	6589	2496	1045	701	995	527	3498	8264	12056	302
52	24883	18584	15246	5096	352	0	0	0	11	3480	8769	14704	336
53	52590	41280	38720	23820	10040	7190	5990	5140	7150	18570	29260	39960	958
54	6726	5305	4836	3342	1846	844	908	922	933	4540	3905	4622	419
55	69611	56425	57477	44695	24958	26283	0	57763	32943	52499	49277	53343	408
56	27100	18100	12900	3100	0	0	0	0	0	2500	6800	13000	302
57	15665	10692	8665	3423	0	0	0	0	0	2181	5821	9203	216
58	5533	4860	4457	3687	2072	1114	861	946	1522	2450	3611	3999	216
59	18520	14040	12050	6960	4010	2990	3270	3330	3560	7180	9500	10070	266
60	0	0	0	0	0	0	0	0	0	110	0	2050	0
61	62136	44546	36707	20463	5938	4432	3727	3855	4037	13414	25685	37658	360
62	34048	25461	23966	13521	4977	3888	3386	3695	3706	10808	16298	24575	782
63	15630	11050	8780	4910	3210	6570	8970	7160	5420	1700	0	10200	144
64	42625	34941	31836	17504	10583	77528	88785	76773	35814	12640	22456	30918	360
65	22840	20710	15580	3460	0	0	0	0	0	670	11930	13450	81
66	0	0	0	0	0	274428	26910	29257	26426	33496	38156	46378	500
67	100000	78000	74900	51200	42000	39200	37200	10500	14300	54600	60400	71000	946
68	36120	25160	24540	12650	4710	3380	3060	3070	3340	6230	14190	20580	2847
69	3960	3006	2653	1456	813	618	559	519	656	1228	1991	2538	54
70	22437	16477	15801	8629	3225	2994	2803	2933	3233	6342	10194	16661	75
71	35180	27900	25920	8590	0	0	240	0	0	6070	14080	21530	354
72	0	0	0	0	0	0	0	0	101	305	1043	2059	92
73	74490	58890	52090	28580	23860	14710	12610	12650	12540	19940	33550	44600	419
74	82750	71369	53426	37224	26512	11382	10578	12185	10578	19282	38429	48472	43
75	45497	26914	32254	7369	0	0	0	107	0	6622	13884	23923	925
76	33127	23781	21277	11676	3789	1567	1312	1446	1767	5905	13042	19911	222
77	18320	13310	10420	2740	20	0	0	0	0	1950	7200	13200	302
78	40430	32360	26100	14380	13530	12830	11920	12490	6330	0	0	23020	624
79	41310	31450	26360	16020	4650	0	0	0	7550	25380	36250	28680	622
80	38608	31570	29007	16426	5308	4304	3941	4219	4667	11000	17729	23101	782

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	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MOQ(Dth)
81	39399	32147	28548	18455	5799	5767	4272	3289	2606	9228	20773	25525	3128
82	36280	29199	27330	15454	5468	4945	4806	4646	5041	10776	15678	25429	782
83	66655	51790	48371	24196	8700	5165	5050	5249	6575	19767	32623	42122	522
84	4770	4541	5082	2928	2272	2731	3020	3110	3628	5100	4702	6154	162
85	6920	5130	4470	980	0	0	0	0	0	570	1720	2740	312
86	25287	19130	17210	6680	3715	6078	9701	8849	4976	6771	13064	16642	373
87	49180	19380	16710	10080	6970	6030	5130	5380	6270	8360	12760	16930	313
88	34747	29110	26673	7860	268	174	0	0	0	1767	14756	24423	522
89	39158	30089	26822	14724	4374	0	0	0	176	13669	20111	26719	240
90	10620	6890	6060	390	0	0	0	0	0	780	2540	4620	281
91	71385	49245	44792	15294	1730	1004	758	865	833	12741	22588	41716	490
92	2270	1636	1550	542	0	0	0	0	0	362	714	1427	432
93	27660	21320	18000	4930	0	0	0	0	0	2940	9920	18110	209
94	15958	11926	8428	3002	3	2	3	2	2	1930	5226	8439	0
95	20020	14065	10509	3177	0	0	0	0	0	0	5933	10257	0
96	15530	8470	6330	940	0	10	0	0	0	310	2640	6570	383
97	2262200	1488700	1271100	1601700	1724400	1892800	1862800	1928584	2190800	2126300	1956100	2110100	0
98	60042	46225	39681	15637	2353	1624	1279	1299	1683	13546	24872	28244	1046
99	24521	18647	17163	10135	2606	2286	2040	2104	2157	6312	11898	16629	479
100	38590	28770	23160	9180	0	0	0	90	50	6640	20200	27930	305
101	44430	77550	82150	72960	66140	100280	108410	100740	98160	82160	85300	85654	707
102	21100	14610	12790	6590	0	0	0	0	0	2480	7480	14400	272
103	0	0	0	49000	50500	45200	27400	42900	48300	48100	52500	20200	750
104	10006	6914	6270	2415	0	0	0	0	2	745	2479	4159	295
105	90558	69176	59908	27855	11212	10957	10153	9549	7589	20093	34584	53105	173
106	32790	24370	21510	12460	7540	5770	4590	5400	6170	10850	15390	20350	403
107	21740	16660	16080	6500	0	0	0	0	40	6390	9760	13430	454
108	12314	6953	5276	769	0	0	0	0	21	769	2221	4614	591
109	152513	117900	115600	0	220800	100600	158600	137000	97200	87200	93600	123400	1300
110	50538	39228	33813	21627	15956	12688	12015	12432	12656	19854	22385	33161	504
111	14180	8220	7360	1650	0	0	0	0	20	990	4920	7720	0
112	44247	39328	43963	46485	44122	35171	21255	29559	35932	41021	42566	35068	503
113	46900	30900	23500	1600	0	0	0	0	0	2900	9400	16200	244
114	56209	30206	25719	3510	0	0	0	0	80	3306	15654	26117	733
115	14240	10400	9570	4550	1320	0	0	0	0	3430	7780	10450	269
116	0	0	0	0	0	0	0	20220	16290	21100	21420	19580	0
117	28760	23520	22710	10050	0	0	0	0	0	7180	17000	20770	556
118	78882	22556	22620	2350	0	0	0	0	11	3140	9591	16170	907
119	44711	31164	20568	4452	0	0	13	0	0	2124	9731	15722	934
120	0	0	85394	319000	18600	9800	10100	10200	15500	22100	54800	60200	1400
121	100	500	400	400	1800	12300	38100	6200	11600	0	0	100	4372
122	18380	14540	11470	7370	3040	660	0	3480	2550	5820	11150	14260	1669
123	0	416100	290900	20700	0	0	0	0	0	2034	177787	219044	0
124	12030	7300	5840	1390	0	0	0	0	0	1060	1910	3880	277
125	24890	24250	26090	20650	19820	18460	16440	17160	17280	16810	20970	20850	178
126	66334	49838	41429	15291	1205	13	0	0	0	11462	27503	43946	859
127	25690	15170	13330	2850	0	10	0	0	0	1420	4710	9300	554
128	41168	26981	22061	9522	4907	2894	2798	2970	2858	5573	12017	20460	0
129	0	0	0	0	0	0	0	6340	10150	13400	17780	17410	0
130	43788	37273	37700	29156	26807	24030	23069	23603	23176	28409	32147	37273	123
131	5062	3881	3482	1693	879	648	594	637	691	1381	2091	3262	204
132	14193	11325	9788	6325	2127	1155	845	1000	1386	4614	6656	8134	204
133	28470	20766	18294	11154	7604	5764	5502	5986	6488	10086	13133	17755	424
134	11350	7316	5804	3271	197	0	0	0	0	2839	5774	7566	163
135	22470	18150	15389	8677	3089	0	0	0	2	3579	12035	14094	324
136	5801	4245	3558	1174	438	82	79	83	87	870	1981	3588	120
137	0	0	0	0	0	0	0	0	0	1704	3828	5135	0
138	15919	11101	9506	3639	0	1	0	0	3	2413	5289	8284	241
139	60900	44300	34700	8600	0	0	0	0	0	9500	30300	33700	698
140	53357	40656	35896	29010	0	55395	27014	27099	24125	27217	27752	34226	240
141	40820	19410	27560	29040	39480	30070	27660	43430	33950	32690	26210	24110	141
142	66470	54050	53860	35060	24340	20310	17344	16583	17677	33090	38667	50413	400
143	31810	16620	17540	3680	0	0	0	0	0	2020	5850	6810	389
144	111400	82400	70700	35900	15500	12900	8200	900	3500	33900	53000	70700	565
145	31524	26676	25862	25426	27312	27495	27847	28355	27318	28452	26178	27370	703
146	27269	20518	16958	9415	3941	3097	3581	3447	2603	7944	13562	19932	264
147	19871	21504	25615	24330	23593	23981	22281	21545	22602	21009	21678	23285	418
148	0	0	0	0	0	0	13926	13669	13606	13831	16158	16305	495
149	16940	9070	6520	970	0	0	0	0	0	530	2600	3700	469
150	12026	11085	7684	5794	952	899	1377	1200	867	3784	3909	5508	449
151	20056	18860	19658	15954	19223	17593	16644	14672	16257	19205	16788	12073	305
152	76410	70255	74492	67550	62923	56870	61533	62417	44498	67612	64977	67329	550
153	17842	11614	8774	2819	0	0	0	11	0	1746	4713	8121	0
154	13193	8881	6450	1723	0	0	0	0	3	1026	3282	5432	180
155	88400	74900	73100	56000	44200	42200	39700	41900	42100	56200	62100	72700	1461
156	103100	87900	87500	66500	52300	49400	46400	49300	49600	66200	72700	85100	1461
157	47740	32040	25098	7796	0	0	0	0	107	4806	10680	20506	192
158	102524	79673	84982	59147	56382	43137	43058	43134	44498	62470	67843	82734	1046
159	95001	74644	71011	41077	31671	29993	29015	34421	38012	44261	64495	73969	1380
160	81631	56426	43506	15876	0	0	0	0	0	7846	23157	46749	316

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161	37330	26740	20860	7310	130	0	0	0	0	3620	8480	22960	302
162	48010	34990	29360	13760	1910	2640	2150	2280	2550	12420	19660	29820	750
163	0	8579	0	0	0	0	0	0	46600	34800	38500	17300	1355
164	0	0	0	0	0	0	0	0	0	0	3382	4171	302
165	380000	313500	306600	213500	167300	134200	128000	134900	136300	196500	229700	280600	5500
166	52300	39600	41500	22900	20500	14400	12800	13300	19800	49000	42100	51800	5500
167	778300	588300	549900	382700	318800	231700	184900	237800	287600	389100	477100	589300	5500
168	83200	59800	54200	28600	21200	16400	21400	22400	20200	22400	33800	46200	1709
169	84200	65100	65400	31100	2700	2500	2300	2400	2600	16200	45600	61000	151
170	23258	17394	16496	10511	4191	629	308	362	750	6923	11837	17447	605
171	12180	9340	5470	7040	5300	4780	4110	4020	4880	7090	7570	10370	277
172	32410	30062	32135	27517	33142	36682	25142	28767	24971	24887	24219	25435	63
173	79985	74552	82654	67295	75161	74686	66170	69571	67118	69439	73685	76746	437
174	5880	5132	5035	4593	3560	2054	1236	1756	2888	3548	4619	5136	130
175	8513	6028	5153	2340	1362	802	535	682	810	1681	2941	5032	31
176	11344	9483	8409	5738	5687	5706	5136	5528	4646	5089	5037	6976	114
177	2100	1885	1788	820	269	219	198	199	216	542	1368	1886	89
178	14089	10441	8285	883	0	0	0	1	0	757	3122	6167	149
179	34989	25610	22414	11559	5455	5075	3954	4495	4723	8195	13206	19082	676
180	9755	7471	6208	3641	2813	2505	2297	2606	2824	3527	4014	5956	133
181	100	1500	800	1200	5300	35200	110500	17900	30600	0	0	300	1222
182	43100	24200	23600	3900	0	0	0	0	0	6600	12500	19200	644
183	42229	29594	22289	4496	278	0	0	0	0	427	7359	19085	301
184	44692	33989	28920	10884	0	0	0	0	0	3299	11859	26235	720
185	11827	10866	11005	2724	0	0	0	0	0	1841	4081	6188	202
186	10288	10146	10150	8149	8126	7654	6540	8817	10021	10345	10187	11262	30
187	11413	7464	5061	824	58	0	0	0	19	218	2586	5388	228
188	90525	80946	89059	86581	84284	85175	84426	85466	82450	85756	88908	77266	1151
189	8441	6287	4777	1054	1671	7240	5262	6507	5491	352	1324	3112	302
190	300933	273981	309205	272400	246218	192706	165545	196424	130946	205514	190886	194385	1500
191	612	754	713	0	975	124	257	378	549	635	445	269	130
192	2549	2011	2097	1416	530	565	578	353	409	825	1870	2141	89
193	20426	12428	11486	1315	0	2	1	0	24	668	3023	5352	285
194	7495	5842	4436	2038	1531	1472	1084	1945	2748	3755	3085	4239	183
195	8100	6265	5343	3610	2793	1110	379	755	1102	2878	4301	5685	240
196	60363	47003	41022	4016	0	0	0	11	11	4603	20559	23987	831
197	0	0	0	0	0	0	0	6130	8610	40	30	30	84
198	138693	121710	115575	98621	63614	76809	86529	88959	104595	115378	101520	98612	1464
199	63579	50077	46634	34010	25253	21719	31683	35417	35984	48357	47961	43987	907
200	52500	37100	32400	20900	15100	11800	12800	11100	18043	18281	17345	26621	728
201	154160	115880	108270	82930	52350	0	0	0	0	34660	78500	94330	1565
202	0	0	0	0	0	0	0	0	0	102	1859	3023	0
203	15210	14440	16260	14420	13810	12960	6370	14870	13820	14460	12040	7670	313
204	60240	45650	37730	6250	0	0	0	0	0	5780	23860	41570	432
205	33120	24320	18770	2140	0	0	0	10	0	4420	8250	18830	115
206	14234	11513	10749	7967	8632	8992	7761	8085	8004	9159	9219	8718	281
207	35248	25502	21091	11147	4036	3068	2914	3392	3695	5496	13719	20972	500
208	52865	40168	33718	33321	53867	60592	86073	72962	66778	37059	31948	38528	456
209	13997	9611	8156	3358	396	343	297	300	331	1610	4927	8768	237
210	14557	9741	8322	2928	0	0	0	0	22	3017	3740	7458	396
211	31692	22396	19532	6256	0	0	0	0	0	3009	6876	11147	240
212	14870	9400	7960	1770	0	0	0	0	0	1460	4840	8680	272
213	510100	476100	508000	392300	433400	363700	416100	487400	478600	500000	440600	372000	3432
214	74984	57577	50346	28789	13524	10043	10043	12051	12319	21692	36153	46196	2169
215	8428	5915	4551	1300	947	706	639	826	971	1098	0	7043	170
216	19162	8301	6081	1558	0	0	0	0	1	1853	2352	2502	269
217	33233	26094	24992	10677	3109	2562	2357	2467	2575	9679	16235	23355	320
218	0	0	0	30449	22301	8456	7829	7963	10800	25754	35595	48542	720
219	7211	5328	4969	680	0	0	0	0	14	381	1677	5202	136
220	19530	13703	11204	8323	6122	3877	3703	4019	4546	6430	17333	15887	215
221	15380	9621	9659	6052	8084	7178	806	910	831	2463	4792	7256	103
222	12865	4780	4110	2004	231	3	0	2	7	1492	2671	4112	120
223	18433	13214	11191	6630	3038	292	290	485	9	3198	5178	10001	131
224	0	3596	3729	3343	3194	2708	2457	1324	2620	2900	2515	2896	132
225	0	0	0	0	0	0	0	821	854	2723	3731	4858	0
226	0	46224	12292	4135	57	0	91	0	0	2026	7453	16041	346
227	0	0	12300	92053	67382	73553	108696	131147	113842	137143	149197	56706	549
228	89505	65354	65025	48962	33773	22538	19437	21629	25696	42668	47076	63037	576
229	11803	9667	10171	7824	6475	5495	4403	5649	5641	6623	8723	9967	518
230	24498	15764	18624	13082	11408	8156	8565	8832	8144	8838	0	14094	1362
231	22936	16500	14329	7175	3861	2489	2126	2076	2278	6156	9795	14347	174
232	8794	7140	6765	3601	903	551	533	436	329	2841	4981	6834	174
233	8573	6582	6044	3153	970	452	406	452	518	2381	4574	6569	174
234	15126	11381	9544	3292	0	0	0	0	2	2114	5264	9566	111
235	4399	3982	3945	4723	7607	7609	5563	9897	8294	6817	6236	4999	78
236	9146	7226	6710	3443	1171	1061	909	1109	1324	2764	4969	8866	480
237	9438	8831	7841	2409	969	794	975	1217	1339	2860	5996	7166	172
238	14800	9350	6960	1280	0	10	0	0	0	520	2320	4270	172
239	25120	21393	23657	17335	15340	15194	12993	14591	14364	16713	16946	17496	42
240	34848	25777	21739	13040	3131	1973	1798	1917	2057	6062	14325	20050	291

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241	11355	7318	6395	1447	138	0	0	0	66	1170	4323	5158	211
242	12487	6946	6400	784	0	0	0	0	0	508	2431	3640	260
243	13547	10032	9062	4379	2807	0	0	0	0	2612	2375	4683	272
244	18872	13247	11025	3482	0	0	0	0	3	3027	9672	14330	152
245	14496	8411	7350	3772	2014	456	0	31	2591	2622	4111	7275	257
246	22196	15489	13050	7052	4561	3955	3983	4281	4125	6578	8888	12054	278
247	0	0	4639	720	0	0	0	0	0	492	1788	3422	0
248	21448	14002	8577	1505	0	0	0	10	3	578	3711	8990	235
249	21829	11842	6207	506	0	0	0	58	0	63	1263	5513	368
250	12908	9212	7380	2232	0	0	0	0	0	1198	4565	6318	167
251	35831	26414	22049	5968	0	0	0	0	1063	5477	8870	19526	429
252	31544	24843	16002	3697	0	0	0	0	0	182	7640	10931	251
253	22983	17015	16078	7652	0	0	0	0	0	4408	10159	15821	100
254	0	0	0	0	0	0	0	0	0	476	1151	0	0
255	0	0	0	0	0	0	0	0	0	0	0	4251	65
256	20070	14124	13184	8241	5966	5108	2409	300	3629	6990	8241	11601	65
257	0	0	0	0	0	0	0	0	0	0	0	3169	163
258	16042	12218	9807	4277	0	0	1	0	0	2161	5676	8737	149
259	0	0	0	0	0	0	0	0	0	318	944	2262	0
260	11172	7012	4753	1991	0	0	0	0	0	635	3164	5653	209
261	14130	9773	7855	1443	0	0	0	0	0	2010	5955	8980	90
262	71656	52631	48907	26122	20358	17494	15475	17812	18642	23066	30771	34669	336
263	9092	6213	4696	1168	0	11	0	0	4	1135	3105	5186	115
264	9561	7826	6147	2912	0	0	0	0	0	1206	3581	5776	120
265	26646	13023	13574	2628	367	0	0	2	38	2150	4675	9557	201
266	6991	4331	3633	214	0	0	0	0	0	502	1353	2879	139
267	15422	12225	10334	1886	2221	4956	3513	86	2661	1052	3386	5384	599
268	17029	13361	11344	2083	2520	5640	4028	98	3050	1192	3787	5926	599
269	7639	5817	5134	0	9378	4016	3697	3450	3547	4408	4830	5376	254
270	15187	12022	10706	6586	11553	28847	30770	26062	17556	5072	7852	10113	296
271	9898	9179	11592	9539	10036	11130	9689	11732	9697	10904	9942	8811	141
272	14244	9447	7466	3274	200	0	0	8	465	2927	4614	7603	120
273	20396	15421	0	0	0	0	0	0	0	0	11984	19373	89
274	7448	4907	3584	0	1235	3	8	1	3	593	1636	3688	90
275	7367	4867	3346	0	1153	20	0	0	0	587	1558	3745	90
276	10188	7754	6881	4372	2105	1089	1021	1077	1021	2642	4256	6618	72
277	18684	12986	10468	4734	27	0	0	0	4	4143	7380	11407	72
278	8662	7243	6459	1652	0	2	0	0	1	1422	3970	6533	82
279	6446	4739	4023	2006	1043	953	195	926	696	1752	2592	3548	54
280	8505	6100	4891	1153	0	0	0	0	0	1137	2456	4441	75
281	0	0	0	0	0	0	0	0	0	0	0	4059	75
282	11443	8760	7182	3236	0	0	0	0	0	568	3723	4923	54
283	111365	91614	93502	49918	10752	6963	7271	3401	321	29043	69521	84062	269
284	11941	9498	8324	5582	5027	4316	2338	4294	5054	5550	6526	8061	50
285	14588	11596	10189	6785	6240	5391	2929	5420	6352	6919	8073	9941	50
286	6179	4971	4429	1838	216	0	0	0	43	1699	3402	4892	86
287	5975	1822	4276	2287	1353	1186	1075	1218	1082	1461	2413	4202	402
288	5926	1948	4204	2306	1355	1189	1014	1255	1106	1419	2432	4204	402
289	7391	5823	4451	1207	0	0	0	0	0	138	1714	4069	187
290	29096	25886	26257	22929	6149	15653	19342	18454	16806	17962	19859	21894	703
291	12982	12867	10183	1241	0	0	0	0	42	1515	2861	6175	200
292	7496	6268	6553	6030	5826	5001	4225	4902	5203	6366	6006	7615	144
293	8925	7748	8746	6373	5832	5225	3869	5536	4712	5492	5309	4049	513
294	0	0	4097	930	7	0	0	0	1	341	1453	2405	232
295	47943	42163	34696	16414	6053	4396	4000	4376	5167	0	39298	36057	392
296	16300	12540	9950	5660	0	0	0	0	0	1420	7790	9710	346
297	31471	26235	24930	7398	0	0	0	0	0	8030	16882	21958	100
298	0	0	0	54915	58215	55961	60271	60518	58221	66145	61845	65413	0
299	19160	15897	16455	15434	16169	20668	18049	25012	17898	16003	21268	21821	168
300	15896	14527	11267	8225	9149	9742	8992	10381	9130	10417	9796	9725	235
301	19713	15890	13889	8346	2152	1776	1606	1749	1876	5806	9518	12916	140
302	9838	6959	5064	3476	547	455	374	391	453	1309	2456	4539	140
303	7730	5301	4097	367	0	0	0	0	0	51	2925	5068	83
304	0	0	0	0	0	0	12085	11770	11776	12027	14199	14399	0
305	17258	12107	13917	4639	2879	2229	1060	625	638	3487	8796	11656	8
306	9687	6828	5951	872	0	0	0	0	0	69	2819	7493	75
307	0	8790	3236	1420	341	51	128	339	989	1541	2517	2717	215
308	6045	11265	3461	1405	331	5	0	364	762	1499	2894	3569	215
309	6262	4627	4383	2936	2145	1577	1374	1807	1998	3982	4616	4614	73
310	14214	10820	9874	4907	1828	1379	1204	1313	1507	4364	6226	8710	153
311	15625	13144	10321	3527	51	0	0	0	59	1150	6171	8395	235
312	0	0	0	0	0	0	0	1638	1806	2330	2583	3227	0
313	18880	12410	9073	1723	0	0	0	0	0	2103	5818	9461	186
314	24190	12846	8557	1732	0	0	0	0	8	871	3155	7281	27
315	4500	3402	2999	1479	734	549	438	433	527	1221	1984	3136	48
316	8338	6712	5738	3014	1445	1402	1242	1135	1133	3007	4291	5829	156
317	8325	6132	5569	2593	1091	4216	2447	1185	3737	2784	4519	5507	95
318	9165	6925	5965	2333	0	0	0	0	0	1239	4048	6320	98
319	8179	7747	6659	4191	1726	1762	1654	2003	0	5170	5561	6297	844
320	32350	21156	17608	9172	7284	6066	12520	12573	9507	9601	11405	17409	844

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321	0	0	0	0	0	0	0	0	1583	1473	1784	2515	72
322	6369	6527	5801	4523	3661	3876	2957	2754	3855	4272	5190	4977	126
323	4796	3754	3247	0	1998	0	0	0	1	565	1895	3337	120
324	13913	9394	6827	1875	175	0	0	0	4	1109	1928	6215	163
325	6852	4690	2539	982	3	0	13	0	0	886	2175	4132	223
326	10861	8353	7962	3269	139	0	0	0	0	1624	5492	7693	72
327	19107	15476	15441	4354	0	0	0	0	0	3854	7835	14220	26
328	54550	51410	53620	37030	40550	12617	9086	22698	17242	29928	28704	38561	748
329	123790	93910	92710	43540	4290	0	0	0	0	34940	54840	85420	2087
330	39432	29493	24128	12007	5201	217	0	0	231	10457	19141	27014	576
331	12792	9124	5583	847	0	0	0	0	0	1577	1617	4661	397
332	0	0	0	0	0	0	0	0	0	0	4044	25679	2365
333	29733	20612	16874	5393	1826	0	0	0	53	5447	8491	14568	701
334	23960	15690	10870	0	1380	0	0	0	0	2400	5700	13710	0
335	0	0	0	0	0	0	0	39880	13630	15050	16040	16370	250
336	0	0	0	0	7870	0	0	0	0	590	2360	4520	229
337	0	0	0	14863	9641	7498	8168	11382	13658	7766	12453	20353	120
338	10082	7073	6649	1913	0	0	0	0	0	1758	0	9068	1269
339	413200	340600	332700	230800	180300	144600	138200	145700	147000	212300	248800	304100	4740
340	4743	3750	3353	1792	1060	840	738	685	860	1554	2239	3312	64
341	4488	3435	3156	1680	936	732	637	662	720	1360	2133	3086	64
342	2651	3420	1598	845	289	125	7	443	577	1225	2646	2285	89
343	2423	1821	1807	1313	522	577	625	320	385	762	1830	2228	89
344	429785	281190	267532	200850	159341	113681	118100	124527	109664	158538	186523	252000	3300
345	5770	4556	4487	1944	0	0	0	0	0	1263	3316	4725	31
346	0	0	4749	526	1	0	1	0	1	222	2659	3630	202
347	8049	6201	5273	2522	0	0	0	0	0	931	3538	5215	1080
348	20876	17984	19729	18174	17403	11288	11336	11531	14001	17309	16938	18780	60
349	0	0	0	0	0	0	0	0	0	0	0	8490	416
350	0	0	0	0	0	0	0	0	0	4153	3916	3583	168
351	8644	6584	5860	3196	1338	592	526	542	648	2276	4157	5868	8
352	1087870	940480	1024840	859490	918040	877840	767230	825210	891250	954470	698530	589770	28589
353	11282910	9620640	11119180	6652770	9115340	8255970	8846400	8575630	7922390	5422750	9135590	9422820	288691

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 this information, upon written request, to parties to this proceeding that have legitimate business reasons to view this information.