ECKERT SEAMANS
ATTORNEYS AT LAW

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Deanne M. O'Dell
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February 5, 2024

**Via Electronic Filing**
Rosemary Chiavetta, Secretary
PA Public Utility Commission
P.O. Box 3265
Harrisburg, PA 17105-3265

Re: Philadelphia Gas Works 2024-2025 Gas Cost Rate Filing
Docket No. R-2024-3045966

Dear Secretary Chiavetta:

On February 1, 2024, we filed, on behalf of Philadelphia Gas Works ("PGW") the pre-filing for PGW's annual 2024-2025 Gas Cost Rate ("GCR") Filing in the above referenced matter. The information was presented in two volumes. We have since determined that Tab Numbers 20-37 were duplicated in the originally filed Volume 2. Therefore**, attached for filing is a corrected Volume 2**. Please note that no substantive information has changed or was missing from the originally filed Volume 2. Copies of the corrected Volume 2 were previously provided to the parties listed on the Certificate of Service.

Please contact me if you have any questions.

Sincerely,

Deanne M. O'Dell

Deanne M. O'Dell

Graciela Christlieb, Senior Attorney
Philadelphia Gas Works
800 W. Montgomery Ave
Philadelphia, PA 19122

DMO/lww
Enclosure

**Docket R-2024-XXXXXXX**

**Volume 2**

# Philadelphia Gas Works

# Before The

# Pennsylvania Public Utility Commission

## Computation of Annual Purchased Gas Costs
## For Twelve Months Ending August 31, 2025

# 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, 2024**

# Philadelphia Gas Works 1307(f) - 2024 Prefiling

## Table of Contents

# Tab No. 4

53.64(c)(5)

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

**Item 53.64(c)(5)**

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 Annual Resource Planning Report (Forms 1 and 2) filed on February 28, 2023.

**PHILADELPHIA GAS WORKS**
800 West Montgomery Avenue • Philadelphia, PA 19122

Craig Berry, Senior Attorney
Legal Department
Direct Dial: 215-684-6049
FAX: 215-684-6798
E-mail: craig.berry@pgworks.com

February 28, 2023

Rosemary Chiavetta, Secretary
Pennsylvania Public Utility Commission
400 North Street
Harrisburg, PA 17120

M-2023-3037450

**Re: Philadelphia Gas Works' ("PGW") Annual Resource Planning Report**

Dear Secretary Chiavetta:

On behalf of Philadelphia Gas Works ("PGW") enclosed please find its Annual Resource Planning Report, Form 1 and 2. Please contact me if you have any questions.

Respectfully,

/s/ Craig W. Berry

Craig W. Berry, Esquire

Enclosure

cc: Cert. of Service w/enc.

# CERTIFICATE OF SERVICE

I hereby certify that this day I served a copy of PGW's Annual Resources Planning Report upon the persons listed below in the manner indicated in accordance with the requirements of 52 Pa. Code Section 1.54.

**Via Email**

Aron Beatty, Esq.
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Office of Consumer Advocate
5th Floor, Forum Place Bldg.
555 Walnut Street
Harrisburg, PA 17101-1921
abeatty@paoca.org
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Adeolu Bakare, Esq.
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Richard Kanaskie, Esq.
Bureau of Investigation & Enforcement
PA Public Utility Commission
P.O. Box 3265
Harrisburg, PA 17105-3265
rkanaskie@pa.gov

Robert Knecht
Industrial Economics, Incorporated
2067 Massachusetts Ave.
Cambridge, MA 02140
rdk@indecon.com

Dated: February 28, 2023

/s/ Craig W. Berry
Craig W. Berry, Esq.

# ANNUAL RESOURCE PLANNING REPORT

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## Philadelphia Gas Works

## Philadelphia, Pennsylvania

**March 2023**

**Forms 1 & 2**

# BEFORE THE PENNSYLVANIA PUBLIC UTILITY COMMISSION

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

## ANNUAL RESOURCE PLANNING REPORT
## MARCH 2023

## Forms 1 & 2

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

# PHILADELPHIA GAS WORKS

## TABLE OF CONTENTS

Section 59.81: **General**

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

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

One courtesy copy should also be submitted to:

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

Also submit one (1) copy to the following:

Office of Consumer Advocate
555 Walnut Street
Forum Place, 1st Floor
Harrisburg, PA 17101-1921

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

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

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

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

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

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

All questions concerning the ARPR should be directed to Mr. Florian Teme Vice President, Marketing & Gas Planning at 215-684-6463. The following individual is available to answer questions concerning Forms 1 and 2: Mrs. Meriola Gjergo, Director – Gas Planning & Rates at (215) 684-6484.

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

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

Response: Please see the attached documentation and forms.

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

| | Historical Data | | Current Year | Three Year Forecast | | |
|---|---|---|---|---|---|---|
| Index Year | -2 | -1 | 0 | 1 | 2 | 3 |
| Actual Year | 2020-20221 | 2021-2022 | 2022-2023 | 2023-2024 | 2024-2025 | 2025-2026 |
| Firm Requirements: | | | | | | |
| Retail Residential | 32,148 | 31,339 | 31,325 | 32,654 | 32,631 | 32,751 |
| Retail Commercial | 7,696 | 8,155 | 7,774 | 8,135 | 8,125 | 8,113 |
| Retail Industrial | 447 | 464 | 427 | 442 | 437 | 433 |
| Electric Power Generation | - | - | - | - | - | - |
| Exchanges with Other Utilities | - | - | - | - | - | - |
| Unaccounted For Gas | 978 | 1,049 | 1,587 | 743 | 741 | 744 |
| Company Use | 296 | 300 | 272 | 288 | 288 | 288 |
| Other - Prior Period Adjustment | - | - | - | - | - | - |
| Subtotal Firm | 41,564 | 41,308 | 41,386 | 42,263 | 42,223 | 42,329 |
| Interruptible Requirements: | | | | | | |
| Retail | 492 | 1,319 | 798 | 416 | 416 | 416 |
| Electric Power Generation | - | - | - | - | - | - |
| Company's Own Plant | 51 | 49 | 83 | 120 | 119 | 119 |
| Unaccounted For Gas | 14 | 11 | 15 | 9 | 9 | 9 |
| Subtotal Interruptible | 557 | 1,379 | 895 | 545 | 544 | 544 |
| SUBTOTAL FIRM AND INTERRUPTIBLE | 42,121 | 42,687 | 42,281 | 42,808 | 42,767 | 42,874 |
| Transportation: | | | | | | |
| Firm Residential | 1,535 | 1,528 | 2,358 | 2,355 | 2,409 | 2,467 |
| Firm Commercial | 4,012 | 3,926 | 4,216 | 3,625 | 3,634 | 3,646 |
| Firm Industrial | 376 | 404 | 403 | 404 | 408 | 411 |
| Interruptible Residential | - | - | - | - | - | - |
| Interruptible Commercial | 6,881 | 7,017 | 6,772 | 6,907 | 6,907 | 6,907 |
| Interruptible Industrial | 5,065 | 5,049 | 4,643 | 5,035 | 5,035 | 5,035 |
| Other - Non-Utility Power Producers | 13,239 | 13,391 | 13,700 | 13,391 | 13,391 | 13,391 |
| Subtotal Transportation | 31,109 | 31,315 | 32,092 | 31,717 | 31,785 | 31,857 |
| TOTAL GAS REQUIREMENTS | 73,230 | 74,002 | 74,373 | 74,525 | 74,552 | 74,731 |
| Increase (Decrease) | 702 | 772 | 371 | 152 | 26 | 179 |
| Percent Change (%) | 0.97% | 1.05% | 0.50% | 0.20% | 0.04% | 0.24% |

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

| | Historical Data | | Current Year [2] | Three Year Forecast [1] | | |
|---|---|---|---|---|---|---|
| Index Year | -2 | -1 | 0 | 1 | 2 | 3 |
| Actual Year | 2020-20221 | 2021-2022 | 2022-2023 | 2023-2024 | 2024-2025 | 2025-2026 |
| Firm Requirements: | | | | | | |
| Retail Residential | 303 | 327 | 401 | 439 | 439 | 441 |
| Retail Commercial | 72 | 85 | 100 | 109 | 109 | 109 |
| Retail Industrial | 4 | 5 | 5 | 6 | 6 | 6 |
| Electric Power Generation | - | - | - | - | - | - |
| Exchanges with Other Utilities | - | - | - | - | - | - |
| Unaccounted For Gas | 9 | 11 | 20 | 10 | 10 | 10 |
| Company Use | 3 | 3 | 3 | 4 | 4 | 4 |
| Other | - | - | - | - | - | - |
| Subtotal Firm | 391 | 431 | 530 | 568 | 568 | 570 |
| Interruptible Requirements: | | | | | | |
| Retail | 0.0 | 0.4 | 1.2 | 1.2 | 1.2 | 1.2 |
| Electric Power Generation | - | - | - | - | - | - |
| Company's Own Plant | 0.3 | 0.3 | 0.5 | 0.6 | 0.6 | 0.6 |
| Unaccounted For Gas | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Subtotal Interruptible | 0.4 | 0.7 | 1.7 | 1.8 | 1.8 | 1.8 |
| SUBTOTAL FIRM AND INTERRUPTIBLE | 392 | 431 | 532 | 570 | 570 | 572 |
| Transportation: | | | | | | |
| Firm Residential | 14 | 13 | 34 | 34 | 35 | 36 |
| Firm Commercial | 29 | 30 | 49 | 44 | 44 | 44 |
| Firm Industrial | 2 | 2 | 4 | 4 | 4 | 4 |
| Interruptible Residential | - | - | - | - | - | - |
| Interruptible Commercial | 42 | 43 | - | - | - | - |
| Interruptible Industrial | 18 | 15 | - | - | - | - |
| Other - Non-Utility Power Producers | 55 | 48 | - | - | - | - |
| Subtotal Transportation | 161 | 151 | 88 | 82 | 83 | 84 |
| TOTAL GAS REQUIREMENTS | 552 | 583 | 620 | 652 | 653 | 656 |
| Increase (Decrease) | 48 | 30 | 37 | 32 | 1 | 3 |
| Percent Change (%) | 9.5% | 5.5% | 6.4% | 5.2% | 0.1% | 0.4% |

[1] Peak Day is forecasted at a 2 degree temperature.

[2] Current Year Peak Day is forecasted at a 5 degree temperature.

Section 59.81 **Forms IRP-Gas 2A, 2B and 2C - Annual and Peak Day Energy Resources, Transmission and Storage Contracts**

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

Response: Please see the attached documentation and forms.

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

| | Historical Data | | | | Current Year (2) | | Three Year Forecast (1) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Index Year | -2 | | -1 | | 0 | | 1 | | 2 | | 3 | |
| Actual Year | 2020-2021 | | 2021-2022 | | 2022-2023 | | 2023-2024 | | 2024-2025 | | 2025-2026 | |
| | Annual | Peak | Annual | Peak | Annual | Peak | Annual | Peak | Annual | Peak | Annual | Peak |
| Gas Supply for Sales Service | | | | | | | | | | | | |
| Spot Purchases | 42,913 | 153 | 44,166 | 84 | 42,975 | 265 | 44,087 | 241 | 43,942 | 241 | 44,029 | 240 |
| Storage Withdrawals | 10,521 | 165 | 10,308 | 175 | 11,409 | 161 | 14,280 | 189 | 14,165 | 189 | 14,289 | 189 |
| LNG Withdrawal | 1,293 | 74 | 3,106 | 172 | 1,693 | 170 | 1,602 | 204 | 1,609 | 205 | 1,634 | 208 |
| LNG Purchases | - | - | - | - | - | - | - | - | - | - | - | - |
| Exchanges with other LDCs | - | - | - | - | - | - | - | - | - | - | - | - |
| Other | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Gas Supply | 54,726 | 392 | 57,580 | 431 | 56,077 | 597 | 59,969 | 634 | 59,716 | 634 | 59,952 | 637 |
| Total Transportation Services | 31,109 | 161 | 31,315 | 151 | 32,092 | 32 | 31,717 | 30 | 31,785 | 30 | 31,857 | 31 |
| TOTAL GAS SUPPLY AND TRANSPORTATION SERVICE | 85,835 | 552 | 88,895 | 583 | 88,169 | 629 | 91,686 | 664 | 91,501 | 664 | 91,809 | 667 |
| Deductions | | | | | | | | | | | | |
| Pipeline: TRANS FUEL | 805 | - | 689 | - | 576 | 5 | 751 | 6 | 643 | 6 | 643 | 6 |
| Storage: INJ, INJ FUEL, WITHDRAW FUEL, TRANS FUEL | 10,608 | - | 12,418 | - | 11,348 | 1 | 14,670 | 2 | 14,578 | 2 | 14,708 | 2 |
| LNG: LIQUE, INJ FUEL, TRANS FUEL | 1,192 | - | 1,786 | - | 1,872 | 3 | 1,740 | 4 | 1,727 | 4 | 1,728 | 4 |
| Sales to other LDC's | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Deductions | 12,605 | - | 14,893 | - | 13,796 | 9 | 17,161 | 12 | 16,949 | 12 | 17,078 | 12 |
| NET GAS SUPPLY | 73,230 | 552 | 74,002 | 583 | 74,373 | 620 | 74,525 | 652 | 74,552 | 653 | 74,731 | 656 |
| BTU | 1.031 | | 1.031 | | 1.034 | | 1.034 | | 1.034 | | 1.034 | |

(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)**

| | Historical Data | | | | Current Year | | Three Year Forecast | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Index Year | -2 | | -1 | | 0 | | 1 | | 2 | | 3 | |
| Actual year | 2020-2021 | | 2021-2022 | | 2022-2023 | | 2023-2024 | | 2024-2025 | | 2025-2026 | |
| | Annual | Peak | Annual | Peak | Annual | Peak | Annual | Peak | Annual | Peak | Annual | Peak |
| City Gate Transportation Contracts: | | | | | | | | | | | | |
| Transcontinental Transmission Corp. | 4,000 | 60 | 4,000 | 60 | 3,988 | 60 | 3,988 | 60 | 3,988 | 60 | 3,988 | 60 |
| Texas Eastern Transmission Corp. | 2,250 | 43 | 2,250 | 43 | 2,250 | 43 | 2,250 | 43 | 2,250 | 43 | 2,250 | 43 |
| Texas Eastern Transmission Corp. | 445 | 20 | 445 | 20 | 444 | 20 | 444 | 20 | 444 | 20 | 444 | 20 |
| Transcontinental Transmission Corp. | 445 | 5 | 445 | 5 | 444 | 5 | 444 | 5 | 444 | 5 | 444 | 5 |
| Total | 7,139 | 128 | 7,139 | 128 | 7,127 | 127 | 7,127 | 127 | 7,127 | 127 | 7,127 | 127 |
| Upstream Transportation Contracts: | | | | | | | | | | | | |
| Transcontinental Transmission Corp. | 58,489 | 160 | 58,489 | 160 | 58,320 | 160 | 58,320 | 160 | 58,320 | 160 | 58,320 | 160 |
| Texas Eastern Transmission Corp. | 26,552 | 73 | 26,552 | 73 | 26,475 | 73 | 26,475 | 73 | 26,475 | 73 | 26,475 | 73 |
| Texas Eastern Transmission Corp. | 8,434 | 23 | 8,434 | 23 | 8,409 | 23 | 8,409 | 23 | 8,409 | 23 | 8,409 | 23 |
| Texas Eastern Transmission Corp. | 2,584 | 17 | 2,584 | 17 | 2,576 | 17 | 2,576 | 17 | 2,576 | 17 | 2,576 | 17 |
| Texas Eastern Transmission Corp. | 2,584 | 17 | 2,584 | 17 | 2,576 | 17 | 2,576 | 17 | 2,576 | 17 | 2,576 | 17 |
| Transcontinental Transmission Corp. | 172 | 2 | 172 | 2 | 171 | 2 | 171 | 2 | 171 | 2 | 171 | 2 |
| Texas Eastern Transmission Corp. | 1,770 | 5 | 1,770 | 5 | 1,765 | 5 | 1,765 | 5 | 1,765 | 5 | 1,765 | 5 |
| Total | 100,584 | 298 | 100,584 | 298 | 100,292 | 297 | 100,292 | 297 | 100,292 | 297 | 100,292 | 297 |
| Storage-Related Transportation Contracts: | | | | | | | | | | | | |
| Dominion Transmission Inc. | 9,102 | 25 | 9,102 | 25 | 9,075 | 25 | 9,075 | 25 | 9,075 | 25 | 9,075 | 25 |
| Dominion Transmission Inc. | 2,757 | 8 | 2,757 | 8 | 2,749 | 8 | 2,749 | 8 | 2,749 | 8 | 2,749 | 8 |
| Total | 11,859 | 32 | 11,859 | 32 | 11,824 | 32 | 11,824 | 32 | 11,824 | 32 | 11,824 | 32 |

Historical Data Conversion at 1031 BTU, Current Year & Forecasted Year Dth to Mcf Conversions at 1034 BTU

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

| | Historical Data | | | | Current Year | | Three Year Forecast | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Index Year | -2 | | -1 | | 0 | | 1 | | 2 | | 3 | |
| Actual year | 2020-2021 | | 2021-2022 | | 2022-2023 | | 2023-2024 | | 2024-2025 | | 2025-2026 | |
| | Annual | Peak | Annual | Peak | Annual | Peak | Annual | Peak | Annual | Peak | Annual | Peak |
| Transcontinental Transmission Corp. | 4,000 | 60 | 4,000 | 60 | 3,988 | 60 | 3,988 | 60 | 3,988 | 60 | 3,988 | 60 |
| Dominion Transmission Inc. | 3,685 | 32 | 3,685 | 32 | 3,675 | 32 | 3,675 | 32 | 3,675 | 32 | 3,675 | 32 |
| Transcontinental Transmission Corp. | 3,165 | 33 | 3,165 | 33 | 3,138 | 33 | 3,138 | 33 | 3,138 | 33 | 3,138 | 33 |
| Texas Eastern Transmission Corp. | 2,419 | 43 | 2,419 | 43 | 2,419 | 43 | 2,419 | 43 | 2,419 | 43 | 2,419 | 43 |
| Texas Eastern Transmission Corp. | 2,250 | 20 | 2,250 | 20 | 2,250 | 20 | 2,250 | 20 | 2,250 | 20 | 2,250 | 20 |
| Transcontinental Transmission Corp. | 445 | 5 | 445 | 5 | 444 | 5 | 444 | 5 | 444 | 5 | 444 | 5 |
| Total | 15,965 | 194 | 15,965 | 194 | 15,913 | 193 | 15,913 | 193 | 15,913 | 193 | 15,913 | 193 |

Forecast Dth to Mcf Conversions at 1034 BTU.

| | **Contract Expiration Date** [1] |
|---|---|
| Transcontinental Transmission Corp. | 3/31/2026 |
| Dominion Transmission Inc. | 3/31/2027 |
| Transcontinental Transmission Corp. | 9/30/2023 |
| Texas Eastern Transmission Corp. | 4/30/2028 |
| Texas Eastern Transmission Corp. | 4/30/2028 |
| Transcontinental Transmission Corp. | 4/15/2024 |

[1] For purposes of this report, contracts that are due to expire are assumed renewed for the forecast years.

# BEFORE THE PENNSYLVANIA PUBLIC UTILITY COMMISSION

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

## Annual Resource Planning Summary Report

**Filed: March 2023**

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

# PHILADELPHIA GAS WORKS

# 2023 Annual Resource Planning Summary Report

## TABLE OF CONTENTS

## 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:

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

## Section 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.

## Section 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 PGW's 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.

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

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

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

Delivery from these fields utilizes approximately 8% of the daily TETCO and TGPL capacity rights to the Philadelphia city gates. These storage fields also act as a physical fixed price to counter winter price conditions since the WACOG usually reflects a winter/summer pricing differential. Additionally, PGW purchases 17% of its supply using day purchases as needed and releases eleven percent (11%) of its capacity to its choice suppliers.

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.

## Section 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 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

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 20-year period. This pattern reflects 3,923 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 Fahrenheit, there would be 25 degree days. The annual 3,923 degree days, which are 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.

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 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.

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.

## Section 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 sendout and degree days, and the process is repeated in a quadratic regression and a cubic regression procedure. From the predicted sendout in the regression, which are within a reasonable percent of error to the actual sendout, factors are derived to replicate the actual sendout. The factors derived from this are used to determine the current load requirements for a 0 degrees Fahrenheit day and from this data, the load for a -5 degrees Fahrenheit 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.

## Section 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 Gas 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.

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

**Gas Cost Rate Model**

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

**Revenue Model**

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

**Summary**

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

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

# Tab No. 5

53.64(c)(6)

**Philadelphia Gas Works**

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

**Item 53.64(c)(6)** 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 l307 (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 a portfolio approach. The Company's supply portfolio is split into four categories. First, the Company enters baseload supply contracts, which account for approximately thirty-seven percent (37%) of PGW's daily firm transportation entitlements on both Enbridge's Texas Eastern and Williams' Transco Gas Pipelines.

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

The Enbridge and Williams' pipelines are the only interstate pipeline facilities with physical connections to the PGW service territory. These supply contracts also recognize pipeline receipt and delivery rights. By sourcing supply in this manner, PGW not only ensures security of supply from the pipelines, but also can take advantage of varying basis differentiated pricing in the market. These contracts all contain the ability to set the price for upcoming months, or to have the pricing default to an agreed upon market index.

Second, an additional twenty-seven percent (27 %) is priced at the "gas daily mid-point" for each day of usage. These contracts allow for daily changes in volume. The operational flexibility of these contracts allows the company to increase or decrease gas supply to meet variations in send out requirements.

Third, the company utilizes one (1) pipeline storage services, as an additional source of supply. This storage service does not contain bundled transportation and therefore are moved to the city gates within PGW's firm interstate pipeline capacity. This service represents eight percent (8 %) of supply at a fixed price. The Company will again attempt to release capacity for year periods totaling 33,000 dekatherms as it did last year. If this proves less economic for the ratepayer, the Company will release these capacities for the winter and summer season separately. These capacity releases have twenty-four-hour recall rights. If the need arises, PGW can recall this capacity and use its unbundled storage to fill the TGPL portion 10,000 dekatherms and depend on market-based prices to fill the TETCO portion 23,000 dekatherms. The Company also releases firm capacity to its firm choice suppliers on a monthly basis based upon the suppliers' firm pool size.

Additionally, PGW utilizes bundled storage and LNG to meet operational requirements and to accomplish other cost saving initiatives. Specifically, once design winter sendout requirements are met, the company may utilize bundled storage and LNG inventories to displace higher priced supply based on the current market conditions. PGW uses a portfolio approach to address system supply and storage refill in the traditional non-peak season. The Gas Supply area uses the GCR filing as a template 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.

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

The Company also enters 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 always an adequate supply of natural gas available 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 six-year history working in the Gas Supply area and a five-year history in Gas Processing for PGW. This individual also has a background working in the Oil and Petrochemical industries. This individual has a BS in Chemical Engineering and MBA as well as having a background in natural gas accounting, allocation and confirmation experience under the first stages of FERC Order 636, and its effect on supply portfolio management.

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

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

Manager, Gas Supply: This person has more than five years' experience in the utility industry. This individual also has a background working in the Electric and Hydrogen industries. He holds a B.S. in Energy, Business and Finance from The Pennsylvania State University. He has experience in natural gas purchasing, accounting, and rate management. The administrators of Gas Supply and Retail Operations report directly to the manager of gas supply.

Administrator, Gas Supply & Acquisition: this person has twenty years of natural gas experience: eighteen of which was spent in the gas supply area. This person also has experience in the Customer Service, IS, Retail Operations areas as well. This individual has an MBA in International Business and BBA with a concentration in Management Information Systems, in addition to having an extensive background in the area of gas purchasing. Reporting to this individual are the natural gas accountants, natural gas transportation coordinators and natural gas analysts.

Administrator, Retail Operations: This individual has eighteen years of experience in the Natural Gas Industry with knowledge in Marketing, Gas Planning, Budget/Strategic Development, and Gas Supply. This person has a Master's Degree in Business Administration and a Bachelor's Degree in Marketing. She has experience with regulatory filings, budget preparation, program management, and natural gas purchasing. Reporting to this individual is the Retail Operations Analyst.

Manager, Gas Control: This person has over twenty years in the oil & gas area, is responsible for the day-to-day management of the city distribution grid and daily confirmation of each day's gas volumes. He manages the gas control department on a 24/7 basis. The manager has completed the course work for a BS degree and has extensive experience in the Distribution Department's Pressure Control and Network Analysis area.

# Tab No. 6

53.64(c)(7)

Docket No. R-2024-XXXXXXX
Tab 06 Item 53.64(c)(7)

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

**Item 53.64(c)(7)**

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, 2023 to December 31, 2023.

Schedule 1 – reflects all off-system sales margins for the period January 1, 2023 to December 31, 2023.

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

Schedule 3 – illustrates all capacity release deals.

Schedule 4 – reflects individual capacity release transactions that were done at less than the weighted average cost of capacity.

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

**Philadelphia Gas Works**
**Pennsylvania Public Utilities Commission**
**52 Pa. Code §53.61, et seq.**
**For the Twelve Months Ending December 31, 2023**

| Off-System Sales | | | |
|---|---|---|---|
| MONTH | Total Revenue | Ratepayer Margin | Total Credit |
| Jan-23 | $0 | $0 | $0 |
| Feb-23 | $276,440 | $159,408 | $223,304 |
| Mar-23 | $0 | $0 | $0 |
| Apr-23 | $0 | $0 | $0 |
| May-23 | $0 | $0 | $0 |
| Jun-23 | $0 | $0 | $0 |
| Jul-23 | $0 | $0 | $0 |
| Aug-23 | $0 | $0 | $0 |
| Sep-23 | $0 | $0 | $0 |
| Oct-23 | $0 | $0 | $0 |
| Nov-23 | $32,054 | $18,318 | $25,948 |
| Dec-23 | $0 | $0 | $0 |

**Schedule 2**
**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, 2023**

| Off-System Sales (loss) | | | |
|---|---|---|---|
| MONTH | Total Revenue | Total Cost of Gas | Total Loss |
| Jan-23 | $0 | $0 | $0 |
| Feb-23 | $0 | $0 | $0 |
| Mar-23 | $0 | $0 | $0 |
| Apr-23 | $0 | $0 | $0 |
| May-23 | $0 | $0 | $0 |
| Jun-23 | $0 | $0 | $0 |
| Jul-23 | $0 | $0 | $0 |
| Aug-23 | $0 | $0 | $0 |
| Sep-23 | $0 | $0 | $0 |
| Oct-23 | $0 | $0 | $0 |
| Nov-23 | $0 | $0 | $0 |
| Dec-23 | $0 | $0 | $0 |

**Philadelphia Gas Works**
**Pennsylvania Public Utilities Commission**
**52 Pa. Code §53.61, et seq.**
**For the Twelve Months Ending December 31, 2023**

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

| | Capacity Release | | | |
|---|---|---|---|---|
| | Total | Total | | |
| | TGPL | TETCO | Total | |
| MONTH | Credits | Credits | Credits | |
| Jan-23 | $ 1,927,684 | $ 2,403,215 | $ 4,330,899 | |
| Feb-23 | $ 1,743,326 | $ 2,171,965 | $ 3,915,291 | |
| Mar-23 | $ 1,937,998 | $ 2,418,063 | $ 4,356,062 | |
| Apr-23 | $ 831,369 | $ 574,619 | $ 1,405,988 | |
| May-23 | $ 856,993 | $ 831,875 | $ 1,688,868 | |
| Jun-23 | $ 826,260 | $ 837,943 | $ 1,664,203 | |
| Jul-23 | $ 851,783 | $ 779,813 | $ 1,631,595 | |
| Aug-23 | $ 852,937 | $ 761,816 | $ 1,614,753 | |
| Sep-23 | $ 826,992 | $ 713,334 | $ 1,540,325 | |
| Oct-23 | $ 858,846 | $ 548,413 | $ 1,407,259 | |
| Nov-23 | $ 974,890 | $ 1,399,857 | $ 2,374,747 | |
| Dec-23 | $ 1,008,981 | $ 1,447,122 | $ 2,456,103 | ESTIMATE |
| TOTAL | $ 13,498,060 | $ 14,888,034 | $ 28,386,094 | |

**Philadelphia Gas Works** — **Schedule 4**
**Pennsylvania Public Utilities Commission** — **Page 1 of 12**
**52 Pa. Code §53.61, et seq.** — **Item 53.64(C)(7)**
**For the Twelve Months Ending December 31, 2023**

| M / YR | PIPELINE | PATH | RECALL STATUS | MONTHLY VOLUME DTH | TOTAL MONTHLY CREDIT | CREDIT DTH | TOTAL CREDIT | REPLACEMENT SHIPPER |
|---|---|---|---|---|---|---|---|---|
| **January-23** | TETCO | STX - M3 | N | 19,530 | $ 17,941.82 | $ 0.9187 | $ 17,941.82 | Sprague |
| | TETCO | STX - M3 | N | 12,059 | $ 11,080.92 | $ 0.9189 | $ 11,080.92 | Vista Energy |
| | TETCO | STX - M3 | N | 651 | $ 595.49 | $ 0.9147 | $ 595.49 | Spring |
| | TETCO | STX - M3 | N | 2,170 | $ 1,993.54 | $ 0.9187 | $ 1,993.54 | Median Energy |
| | TETCO | STX - M3 | N | 1,550 | $ 1,423.97 | $ 0.9187 | $ 1,423.97 | Josco Energy |
| | TETCO | STX - M3 | N | 52,111 | $ 47,870.78 | $ 0.9186 | $ 47,870.78 | SFE Energy |
| | TETCO | STX - M3 | N | 3,782 | $ 3,477.86 | $ 0.9196 | $ 3,477.86 | Statewise |
| | TETCO | STX - M3 | N | 20,367 | $ 18,709.89 | $ 0.9186 | $ 18,709.89 | Residents |
| | TETCO | STX - M3 | N | 6,665 | $ 6,127.28 | $ 0.9193 | $ 6,127.28 | American Power |
| | TETCO | STX - M3 | N | 2,387 | $ 2,192.04 | $ 0.9183 | $ 2,192.04 | Shipley |
| | TETCO | STX - M3 | N | 16,771 | $ 15,404.62 | $ 0.9185 | $ 15,404.62 | WGL Energy |
| | TETCO | STX - M3 | N | 78,957 | $ 72,535.36 | $ 0.9187 | $ 72,535.36 | Constellation |
| | TETCO | STX - M3 | N | 10,261 | $ 9,424.02 | $ 0.9184 | $ 9,424.02 | UET |
| | TETCO | STX - M3 | N | 155 | $ 146.67 | $ 0.9463 | $ 146.67 | City Power |
| | TETCO | STX - M3 | N | 1,240 | $ 1,139.17 | $ 0.9187 | $ 1,139.17 | Greenlight |
| | TETCO | STX - M3 | N | 1,643 | $ 1,510.24 | $ 0.9192 | $ 1,510.24 | Park Power |
| | TETCO | STX - M3 | N | 3,751 | $ 3,443.41 | $ 0.9180 | $ 3,443.41 | Nordic Energy |
| | TETCO | STX - M3 | N | 1,643 | $ 1,510.24 | $ 0.9192 | $ 1,510.24 | Direct Energy |
| | TETCO | STX - M3 | N | 1,612 | $ 1,484.34 | $ 0.9208 | $ 1,484.34 | Direct Energy |
| | TETCO | STX - M3 | N | 7,409 | $ 6,809.06 | $ 0.9190 | $ 6,809.06 | Palmco |
| | TETCO | STX - M3 | N | 38,719 | $ 35,572.94 | $ 0.9187 | $ 35,572.94 | Direct Energy |
| | TETCO | STX - M3 | N | 71,951 | $ 66,097.38 | $ 0.9186 | $ 66,097.38 | Direct Energy |
| | TETCO | STX - M3 | N | 108,717 | $ 99,875.27 | $ 0.9187 | $ 99,875.27 | UGI Energy |
| | TETCO | STX - M3 | N | 682 | $ 629.96 | $ 0.9237 | $ 629.96 | Clearview Electric |
| | TETCO | STX - M3 | N | 19,685 | $ 18,088.49 | $ 0.9189 | $ 18,088.49 | MPower |
| | TETCO | STX - M3 | N | 7,471 | $ 6,869.44 | $ 0.9195 | $ 6,869.44 | Inspire |
| | TETCO | STX - M3 | N | 1,178 | $ 1,078.78 | $ 0.9158 | $ 1,078.78 | South Bay |
| | TETCO | STX - M3 | N | 372 | $ 345.16 | $ 0.9278 | $ 345.16 | Alpha Gas |
| | TETCO | STX - M3 | N | 4,650 | $ 4,271.88 | $ 0.9187 | $ 4,271.88 | Marathon |
| | TETCO | STX - M3 | N | 992 | $ 914.75 | $ 0.9221 | $ 914.75 | Eligo Energy |
| | TETCO | STX - M3 | N | 1,085 | $ 1,001.04 | $ 0.9226 | $ 1,001.04 | New Wave Energy |
| | TETCO | STX - M3 | N | 527 | $ 491.82 | $ 0.9332 | $ 491.82 | Santanna |
| | TETCO | STX - M3 | N | 1,550 | $ 1,423.97 | $ 0.9187 | $ 1,423.97 | RPA Energy |

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|---|---|---|---|---|---|---|---|---|
| | TETCO | STX - M3 | N | 1,302 | $ 1,199.54 | $ 0.9213 | $ 1,199.54 | Spark Energy |
| | TETCO | STX - M3 | N | 5,363 | $ 4,927.74 | $ 0.9188 | $ 4,927.74 | Atlantic Energy |
| | TETCO | STX - M3 | N | 2,263 | $ 2,079.84 | $ 0.9191 | $ 2,079.84 | EDF Trading |
| | TETCO | M3 - M3 | N | 486,948 | $ 48,694.80 | $ 0.1000 | $ 48,694.80 | Paulsboro |
| | TETCO | STX - M3 | N | 486,948 | $ 1,582,581.00 | $ 3.2500 | $ 1,582,581.00 | Vitol |
| | TETCO | STX - M3 | N | 93,000 | $ 302,250.00 | $ 3.2500 | $ 302,250.00 | Vitol |
| | | | | 1,578,117 | | | $ 2,403,214.52 | |
| | | | | | | | | |
| | TRANSCO | 2-6 | N | 155 | $ 84.94 | $ 0.54800 | $ 84.94 | City Power |
| | TRANSCO | 2-6 | N | 403 | $ 220.41 | $ 0.54692 | $ 220.41 | Alpha Gas |
| | TRANSCO | 2-6 | N | 558 | $ 305.35 | $ 0.54722 | $ 305.35 | Santanna |
| | TRANSCO | 2-6 | N | 682 | $ 373.24 | $ 0.54727 | $ 373.24 | Spring |
| | TRANSCO | 2-6 | N | 713 | $ 389.98 | $ 0.54696 | $ 389.98 | Clearview Electric |
| | TRANSCO | 2-6 | N | 992 | $ 542.81 | $ 0.54719 | $ 542.81 | Eligo Energy |
| | TRANSCO | 2-6 | N | 1,116 | $ 610.39 | $ 0.54694 | $ 610.39 | New Wave Energy |
| | TRANSCO | 2-6 | N | 1,178 | $ 644.49 | $ 0.54711 | $ 644.49 | South Bay |
| | TRANSCO | 2-6 | N | 1,271 | $ 695.33 | $ 0.54707 | $ 695.33 | Greenlight |
| | TRANSCO | 2-6 | N | 1,333 | $ 729.12 | $ 0.54698 | $ 729.12 | Spark Energy |
| | TRANSCO | 2-6 | N | 1,550 | $ 848.16 | $ 0.54720 | $ 848.16 | RPA Energy |
| | TRANSCO | 2-6 | N | 1,581 | $ 865.21 | $ 0.54725 | $ 865.21 | Josco Energy |
| | TRANSCO | 2-6 | N | 1,643 | $ 899.00 | $ 0.54717 | $ 899.00 | Park Power |
| | TRANSCO | 2-6 | N | 1,643 | $ 899.00 | $ 0.54717 | $ 899.00 | Direct Energy |
| | TRANSCO | 2-6 | N | 1,643 | $ 899.00 | $ 0.54717 | $ 899.00 | Direct Energy |
| | TRANSCO | 2-6 | N | 2,170 | $ 1,187.30 | $ 0.54714 | $ 1,187.30 | Median Energy |
| | TRANSCO | 2-6 | N | 2,263 | $ 1,238.45 | $ 0.54726 | $ 1,238.45 | EDF Trading |
| | TRANSCO | 2-6 | N | 2,387 | $ 1,306.03 | $ 0.54714 | $ 1,306.03 | Shipley |
| | TRANSCO | 2-6 | N | 3,782 | $ 2,069.25 | $ 0.54713 | $ 2,069.25 | Nordic Energy |
| | TRANSCO | 2-6 | N | 3,813 | $ 2,086.30 | $ 0.54715 | $ 2,086.30 | Statewise |
| | TRANSCO | 2-6 | N | 4,681 | $ 2,561.53 | $ 0.54722 | $ 2,561.53 | Energo |
| | TRANSCO | 2-6 | N | 5,363 | $ 2,934.46 | $ 0.54717 | $ 2,934.46 | Atlantic Energy |
| | TRANSCO | 2-6 | N | 6,696 | $ 3,663.89 | $ 0.54718 | $ 3,663.89 | American Power |
| | TRANSCO | 2-6 | N | 7,409 | $ 4,054.18 | $ 0.54720 | $ 4,054.18 | Palmco |
| | TRANSCO | 2-6 | N | 7,471 | $ 4,087.97 | $ 0.54718 | $ 4,087.97 | Inspire |
| | TRANSCO | 2-6 | N | 10,292 | $ 5,631.77 | $ 0.54720 | $ 5,631.77 | UET |
| | TRANSCO | 2-6 | N | 12,059 | $ 6,598.35 | $ 0.54717 | $ 6,598.35 | Vista Energy |
| | TRANSCO | 2-6 | N | 16,802 | $ 9,193.67 | $ 0.54718 | $ 9,193.67 | WGL Energy |
| | TRANSCO | 2-6 | N | 19,530 | $ 10,686.32 | $ 0.54717 | $ 10,686.32 | Sprague |
| | TRANSCO | 2-6 | N | 19,685 | $ 10,771.26 | $ 0.54718 | $ 10,771.26 | MPower |
| | TRANSCO | 2-6 | N | 20,398 | $ 11,161.24 | $ 0.54717 | $ 11,161.24 | Residents |
| | TRANSCO | 2-6 | N | 38,750 | $ 21,203.38 | $ 0.54718 | $ 21,203.38 | Direct Energy |
| | TRANSCO | 2-6 | N | 52,111 | $ 28,513.80 | $ 0.54717 | $ 28,513.80 | SFE Energy |
| | TRANSCO | 2-6 | N | 71,951 | $ 39,370.31 | $ 0.54718 | $ 39,370.31 | Direct Energy |
| | TRANSCO | 2-6 | N | 78,988 | $ 43,220.51 | $ 0.54718 | $ 43,220.51 | Constellation |
| | TRANSCO | 2-6 | N | 108,717 | $ 59,487.76 | $ 0.54718 | $ 59,487.76 | UGI Energy |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | TRANSCO | 1-3 | N | 155,000 | $ 124,000.00 | $ 0.80000 | $ 124,000.00 | Tenaska |
| | TRANSCO | 2-3 | N | 155,000 | $ 69,750.00 | $ 0.45000 | $ 69,750.00 | Tenaska |
| | TRANSCO | 3-6 | N | 310,000 | $ 1,453,900.00 | $ 4.69000 | $ 1,453,900.00 | Pacific Summit |
| | TRANSCO | 3-6 | N | 2,325,000 | $ - | $ - | $ - | Tioga LNG LLC |
| | TRANSCO | 3-6 | N | 775,000 | $ - | $ - | $ - | Tioga LNG LLC |
| | | | | 4,231,779 | | | $ 1,927,684.16 | |
| | | | | | | | | |
| **Philadelphia Gas Works** | | | | | | | | **Schedule 4** |
| **Pennsylvania Public Utilities Commission** | | | | | | | | **Page 2 of 12** |
| **52 Pa. Code §53.61, et seq.** | | | | | | | | **Item 53.64(C)(7)** |
| **For the Twelve Months Ending December 31, 2023** | | | | | | | | |
| | | | | | | | | |
| | | | | **MONTHLY** | **TOTAL** | | | |
| | | | **RECALL** | **VOLUME** | **MONTHLY** | **CREDIT** | **TOTAL** | **REPLACEMENT** |
| **M / YR** | **PIPELINE** | **PATH** | **STATUS** | **DTH** | **CREDIT** | **DTH** | **CREDIT** | **SHIPPER** |
| | | | | | | | | |
| **February-23** | TETCO | STX - M3 | N | 70,252 | $ 64,183.14 | $ 0.9136 | $ 64,183.14 | Constellation |
| | TETCO | STX - M3 | N | 35,756 | $ 32,665.19 | $ 0.9136 | $ 32,665.19 | Direct Energy |
| | TETCO | STX - M3 | N | 66,220 | $ 60,501.13 | $ 0.9136 | $ 60,501.13 | Direct Energy |
| | TETCO | STX - M3 | N | 17,640 | $ 16,115.55 | $ 0.9136 | $ 16,115.55 | Sprague |
| | TETCO | STX - M3 | N | 14,812 | $ 13,534.28 | $ 0.9137 | $ 13,534.28 | WGL Energy |
| | TETCO | STX - M3 | N | 48,356 | $ 44,176.29 | $ 0.9136 | $ 44,176.29 | SFE Energy |
| | TETCO | STX - M3 | N | 10,808 | $ 9,875.51 | $ 0.9137 | $ 9,875.51 | Vista Energy |
| | TETCO | STX - M3 | N | 3,304 | $ 3,015.37 | $ 0.9126 | $ 3,015.37 | Statewise |
| | TETCO | STX - M3 | N | 2,128 | $ 1,945.65 | $ 0.9143 | $ 1,945.65 | Shipley |
| | TETCO | STX - M3 | N | 1,512 | $ 1,379.77 | $ 0.9125 | $ 1,379.77 | Direct Energy |
| | TETCO | STX - M3 | N | 1,484 | $ 1,356.53 | $ 0.9141 | $ 1,356.53 | Direct Energy |
| | TETCO | STX - M3 | N | 1,428 | $ 1,302.27 | $ 0.9120 | $ 1,302.27 | RPA Energy |
| | TETCO | STX - M3 | N | 6,440 | $ 5,883.46 | $ 0.9136 | $ 5,883.46 | American Power |
| | TETCO | STX - M3 | N | 19,404 | $ 17,727.88 | $ 0.9136 | $ 17,727.88 | Residents |
| | TETCO | STX - M3 | N | 1,876 | $ 1,713.10 | $ 0.9132 | $ 1,713.10 | Median Energy |
| | TETCO | STX - M3 | N | 28 | $ 23.26 | $ 0.8307 | $ 23.26 | Josco Energy |
| | TETCO | STX - M3 | N | 4,844 | $ 4,426.16 | $ 0.9137 | $ 4,426.16 | Atlantic Energy |
| | TETCO | STX - M3 | N | 3,024 | $ 2,759.57 | $ 0.9126 | $ 2,759.57 | Nordic Energy |
| | TETCO | STX - M3 | N | 6,580 | $ 6,015.23 | $ 0.9142 | $ 6,015.23 | Palmco |
| | TETCO | STX - M3 | N | 3,752 | $ 3,426.20 | $ 0.9132 | $ 3,426.20 | Marathon |
| | TETCO | STX - M3 | N | 1,568 | $ 1,434.03 | $ 0.9146 | $ 1,434.03 | Spark Energy |
| | TETCO | STX - M3 | N | 97,664 | $ 89,220.78 | $ 0.9135 | $ 89,220.78 | UGI Energy |
| | TETCO | STX - M3 | N | 980 | $ 899.19 | $ 0.9175 | $ 899.19 | New Wave Energy |
| | TETCO | STX - M3 | N | 588 | $ 534.86 | $ 0.9096 | $ 534.86 | Clearview Electric |
| | TETCO | STX - M3 | N | 1,988 | $ 1,813.87 | $ 0.9124 | $ 1,813.87 | EDF Trading |
| | TETCO | STX - M3 | N | 9,324 | $ 8,518.99 | $ 0.9137 | $ 8,518.99 | UET |
| | TETCO | STX - M3 | N | 17,976 | $ 16,425.61 | $ 0.9138 | $ 16,425.61 | MPower |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | TETCO | STX - M3 | N | 588 | $ 534.86 | $ 0.9096 | $ 534.86 | Santanna |
| | TETCO | STX - M3 | N | 1,036 | $ 945.69 | $ 0.9128 | $ 945.69 | Greenlight |
| | TETCO | STX - M3 | N | 532 | $ 488.35 | $ 0.9180 | $ 488.35 | Spring |
| | TETCO | STX - M3 | N | 10,108 | $ 9,232.14 | $ 0.9133 | $ 9,232.14 | Inspire |
| | TETCO | STX - M3 | N | 168 | $ 155.03 | $ 0.9228 | $ 155.03 | City Power |
| | TETCO | STX - M3 | N | 1,036 | $ 945.69 | $ 0.9128 | $ 945.69 | South Bay |
| | TETCO | STX - M3 | N | 336 | $ 310.06 | $ 0.9228 | $ 310.06 | Alpha Gas |
| | TETCO | STX - M3 | N | 1,400 | $ 1,279.01 | $ 0.9136 | $ 1,279.01 | Park Power |
| | TETCO | STX - M3 | N | 868 | $ 790.66 | $ 0.9109 | $ 790.66 | Eligo Energy |
| | TETCO | M3 - M3 | N | 439,824 | $ 43,982.40 | $ 0.1000 | $ 43,982.40 | Paulsboro |
| | TETCO | STX - M3 | N | 439,824 | $ 1,429,428.00 | $ 3.2500 | $ 1,429,428.00 | Vitol |
| | TETCO | STX - M3 | N | 84,000 | $ 273,000.00 | $ 3.2500 | $ 273,000.00 | Vitol |
| | TETCO | M2 - M3 | N | 20,000 | $ - | $ - | $ - | Tioga LNG LLC |
| | | | | 1,449,456 | | | $ 2,171,964.76 | |
| | | | | | | | | |
| | TRANSCO | 2-6 | N | 28 | $ 15.40 | $ 0.55000 | $ 15.40 | Josco Energy |
| | TRANSCO | 2-6 | N | 168 | $ 91.84 | $ 0.54667 | $ 91.84 | City Power |
| | TRANSCO | 2-6 | N | 336 | $ 183.68 | $ 0.54667 | $ 183.68 | Alpha Gas |
| | TRANSCO | 2-6 | N | 532 | $ 290.92 | $ 0.54684 | $ 290.92 | Spring |
| | TRANSCO | 2-6 | N | 588 | $ 321.72 | $ 0.54714 | $ 321.72 | Santanna |
| | TRANSCO | 2-6 | N | 616 | $ 337.12 | $ 0.54727 | $ 337.12 | Clearview Electric |
| | TRANSCO | 2-6 | N | 868 | $ 474.88 | $ 0.54710 | $ 474.88 | Eligo Energy |
| | TRANSCO | 2-6 | N | 980 | $ 536.20 | $ 0.54714 | $ 536.20 | New Wave Energy |
| | TRANSCO | 2-6 | N | 1,036 | $ 566.72 | $ 0.54703 | $ 566.72 | Greenlight |
| | TRANSCO | 2-6 | N | 1,064 | $ 582.12 | $ 0.54711 | $ 582.12 | South Bay |
| | TRANSCO | 2-6 | N | 1,400 | $ 766.08 | $ 0.54720 | $ 766.08 | Park Power |
| | TRANSCO | 2-6 | N | 1,456 | $ 796.88 | $ 0.54731 | $ 796.88 | RPA Energy |
| | TRANSCO | 2-6 | N | 1,484 | $ 812.00 | $ 0.54717 | $ 812.00 | Direct Energy |
| | TRANSCO | 2-6 | N | 1,540 | $ 842.80 | $ 0.54727 | $ 842.80 | Direct Energy |
| | TRANSCO | 2-6 | N | 1,568 | $ 858.20 | $ 0.54732 | $ 858.20 | Spark Energy |
| | TRANSCO | 2-6 | N | 1,876 | $ 1,026.48 | $ 0.54716 | $ 1,026.48 | Median Energy |
| | TRANSCO | 2-6 | N | 2,016 | $ 1,103.20 | $ 0.54722 | $ 1,103.20 | EDF Trading |
| | TRANSCO | 2-6 | N | 2,156 | $ 1,179.64 | $ 0.54714 | $ 1,179.64 | Shipley |
| | TRANSCO | 2-6 | N | 3,024 | $ 1,654.52 | $ 0.54713 | $ 1,654.52 | Nordic Energy |
| | TRANSCO | 2-6 | N | 3,332 | $ 1,823.08 | $ 0.54714 | $ 1,823.08 | Statewise |
| | TRANSCO | 2-6 | N | 3,752 | $ 2,052.96 | $ 0.54716 | $ 2,052.96 | Energo |
| | TRANSCO | 2-6 | N | 4,872 | $ 2,665.88 | $ 0.54718 | $ 2,665.88 | Atlantic Energy |
| | TRANSCO | 2-6 | N | 6,468 | $ 3,539.20 | $ 0.54719 | $ 3,539.20 | American Power |
| | TRANSCO | 2-6 | N | 6,580 | $ 3,600.52 | $ 0.54719 | $ 3,600.52 | Palmco |
| | TRANSCO | 2-6 | N | 9,352 | $ 5,117.28 | $ 0.54719 | $ 5,117.28 | UET |
| | TRANSCO | 2-6 | N | 10,136 | $ 5,546.24 | $ 0.54718 | $ 5,546.24 | Inspire |
| | TRANSCO | 2-6 | N | 10,808 | $ 5,913.88 | $ 0.54718 | $ 5,913.88 | Vista Energy |
| | TRANSCO | 2-6 | N | 14,812 | $ 8,104.88 | $ 0.54718 | $ 8,104.88 | WGL Energy |
| | TRANSCO | 2-6 | N | 17,640 | $ 9,652.16 | $ 0.54717 | $ 9,652.16 | Sprague |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | TRANSCO | 2-6 | N | 18,004 | $ 9,851.52 | $ 0.54719 | $ 9,851.52 | MPower |
| | TRANSCO | 2-6 | N | 19,432 | $ 10,633.00 | $ 0.54719 | $ 10,633.00 | Residents |
| | TRANSCO | 2-6 | N | 35,784 | $ 19,580.40 | $ 0.54718 | $ 19,580.40 | Direct Energy |
| | TRANSCO | 2-6 | N | 48,356 | $ 26,459.44 | $ 0.54718 | $ 26,459.44 | SFE Energy |
| | TRANSCO | 2-6 | N | 66,220 | $ 36,234.24 | $ 0.54718 | $ 36,234.24 | Direct Energy |
| | TRANSCO | 2-6 | N | 70,280 | $ 38,456.04 | $ 0.54718 | $ 38,456.04 | Constellation |
| | TRANSCO | 2-6 | N | 97,692 | $ 53,455.08 | $ 0.54718 | $ 53,455.08 | UGI Energy |
| | TRANSCO | 1-3 | N | 140,000 | $ 112,000.00 | $ 0.80000 | $ 112,000.00 | Tenaska |
| | TRANSCO | 2-3 | N | 140,000 | $ 63,000.00 | $ 0.45000 | $ 63,000.00 | Tenaska |
| | TRANSCO | 3-6 | N | 280,000 | $ 1,313,200.00 | $ 4.69000 | $ 1,313,200.00 | Pacific Summit |
| | TRANSCO | 3-6 | N | 2,100,000 | $ - | $ - | $ - | Tioga LNG LLC |
| | TRANSCO | 3-6 | N | 700,000 | $ - | $ - | $ - | Tioga LNG LLC |
| | | | | 3,826,256 | | | $ 1,743,326.20 | |
| | | | | | | | | |
| **Philadelphia Gas Works** | | | | | | | | **Schedule 4** |
| **Pennsylvania Public Utilities Commission** | | | | | | | | **Page 3 of 12** |
| **52 Pa. Code §53.61, et seq.** | | | | | | | | **Item 53.64(C)(7)** |
| **For the Twelve Months Ending December 31, 2023** | | | | | | | | |
| | | | | | | | | |
| | | | | **MONTHLY** | **TOTAL** | | | |
| | | | **RECALL** | **VOLUME** | **MONTHLY** | **CREDIT** | **TOTAL** | **REPLACEMENT** |
| **M / YR** | **PIPELINE** | **PATH** | **STATUS** | **DTH** | **CREDIT** | **DTH** | **CREDIT** | **SHIPPER** |
| | | | | | | | | |
| **March-23** | TETCO | STX - M3 | N | 11,780 | $ 10,761.98 | $ 0.9136 | $ 10,761.98 | Vista Energy |
| | TETCO | STX - M3 | N | 17,701 | $ 16,168.70 | $ 0.9134 | $ 16,168.70 | WGL Energy |
| | TETCO | STX - M3 | N | 1,519 | $ 1,390.30 | $ 0.9153 | $ 1,390.30 | Park Power |
| | TETCO | STX - M3 | N | 1,116 | $ 1,021.27 | $ 0.9151 | $ 1,021.27 | Greenlight |
| | TETCO | STX - M3 | N | 8,773 | $ 8,015.69 | $ 0.9137 | $ 8,015.69 | American Power |
| | TETCO | STX - M3 | N | 1,891 | $ 1,725.01 | $ 0.9122 | $ 1,725.01 | Median Energy |
| | TETCO | STX - M3 | N | 5,332 | $ 4,874.65 | $ 0.9142 | $ 4,874.65 | Atlantic Energy |
| | TETCO | STX - M3 | N | 589 | $ 540.68 | $ 0.9180 | $ 540.68 | Spring |
| | TETCO | STX - M3 | N | 22,506 | $ 20,562.74 | $ 0.9137 | $ 20,562.74 | Residents |
| | TETCO | STX - M3 | N | 19,561 | $ 17,867.96 | $ 0.9134 | $ 17,867.96 | Sprague |
| | TETCO | STX - M3 | N | 2,821 | $ 2,574.65 | $ 0.9127 | $ 2,574.65 | Nordic Energy |
| | TETCO | STX - M3 | N | 7,285 | $ 6,659.72 | $ 0.9142 | $ 6,659.72 | Palmco |
| | TETCO | STX - M3 | N | 9,982 | $ 9,122.78 | $ 0.9139 | $ 9,122.78 | Energo |
| | TETCO | STX - M3 | N | 899 | $ 823.89 | $ 0.9165 | $ 823.89 | Santanna |
| | TETCO | STX - M3 | N | 2,573 | $ 2,351.50 | $ 0.9139 | $ 2,351.50 | Shipley |
| | TETCO | STX - M3 | N | 81,096 | $ 74,089.40 | $ 0.9136 | $ 74,089.40 | Constellation |
| | TETCO | STX - M3 | N | 108,097 | $ 98,754.41 | $ 0.9136 | $ 98,754.41 | UGI Energy |
| | TETCO | STX - M3 | N | 1,643 | $ 1,501.87 | $ 0.9141 | $ 1,501.87 | RPA Energy |
| | TETCO | STX - M3 | N | 372 | $ 343.28 | $ 0.9228 | $ 343.28 | Alpha Gas |
| | TETCO | STX - M3 | N | 1,054 | $ 961.20 | $ 0.9120 | $ 961.20 | South Bay |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | TETCO | STX - M3 | N | 279 | $ 257.46 | $ 0.9228 | $ 257.46 | City Power |
| | TETCO | STX - M3 | N | 15,004 | $ 13,705.64 | $ 0.9135 | $ 13,705.64 | Inspire |
| | TETCO | STX - M3 | N | 930 | $ 849.64 | $ 0.9136 | $ 849.64 | Eligo Energy |
| | TETCO | STX - M3 | N | 1,953 | $ 1,785.07 | $ 0.9140 | $ 1,785.07 | Direct Energy |
| | TETCO | STX - M3 | N | 1,674 | $ 1,527.61 | $ 0.9126 | $ 1,527.61 | Direct Energy |
| | TETCO | STX - M3 | N | 35,681 | $ 32,594.88 | $ 0.9135 | $ 32,594.88 | Direct Energy |
| | TETCO | STX - M3 | N | 73,470 | $ 67,120.73 | $ 0.9136 | $ 67,120.73 | Direct Energy |
| | TETCO | STX - M3 | N | 10,540 | $ 9,629.13 | $ 0.9136 | $ 9,629.13 | UET |
| | TETCO | STX - M3 | N | 54,994 | $ 50,239.70 | $ 0.9135 | $ 50,239.70 | SFE Energy |
| | TETCO | STX - M3 | N | 3,565 | $ 3,261.20 | $ 0.9148 | $ 3,261.20 | Statewise |
| | TETCO | STX - M3 | N | 20,057 | $ 18,322.82 | $ 0.9135 | $ 18,322.82 | MPower |
| | TETCO | STX - M3 | N | 620 | $ 566.41 | $ 0.9136 | $ 566.41 | Clearview Electric |
| | TETCO | STX - M3 | N | 2,201 | $ 2,008.22 | $ 0.9124 | $ 2,008.22 | EDF Trading |
| | TETCO | STX - M3 | N | 1,705 | $ 1,561.95 | $ 0.9161 | $ 1,561.95 | Spark Energy |
| | TETCO | STX - M3 | N | 1,085 | $ 995.52 | $ 0.9175 | $ 995.52 | New Wave Energy |
| | TETCO | M3 - M3 | N | 486,948 | $ 48,694.80 | $ 0.1000 | $ 48,694.80 | Paulsboro |
| | TETCO | STX - M3 | N | 486,948 | $ 1,582,581.00 | $ 3.2500 | $ 1,582,581.00 | Vitol |
| | TETCO | STX - M3 | N | 93,000 | $ 302,250.00 | $ 3.2500 | $ 302,250.00 | Vitol |
| | | | | 1,597,244 | | | $ 2,418,063.46 | |
| | | | | | | | | |
| | TRANSCO | 2-6 | N | 310 | $ 169.57 | $ 0.54700 | $ 169.57 | City Power |
| | TRANSCO | 2-6 | N | 372 | $ 203.36 | $ 0.54667 | $ 203.36 | Alpha Gas |
| | TRANSCO | 2-6 | N | 589 | $ 322.09 | $ 0.54684 | $ 322.09 | Spring |
| | TRANSCO | 2-6 | N | 620 | $ 339.14 | $ 0.54700 | $ 339.14 | Clearview Electric |
| | TRANSCO | 2-6 | N | 899 | $ 491.97 | $ 0.54724 | $ 491.97 | Santanna |
| | TRANSCO | 2-6 | N | 961 | $ 525.76 | $ 0.54710 | $ 525.76 | Eligo Energy |
| | TRANSCO | 2-6 | N | 1,085 | $ 593.65 | $ 0.54714 | $ 593.65 | South Bay |
| | TRANSCO | 2-6 | N | 1,085 | $ 593.65 | $ 0.54714 | $ 593.65 | New Wave Energy |
| | TRANSCO | 2-6 | N | 1,116 | $ 610.39 | $ 0.54694 | $ 610.39 | Greenlight |
| | TRANSCO | 2-6 | N | 1,519 | $ 831.42 | $ 0.54735 | $ 831.42 | Park Power |
| | TRANSCO | 2-6 | N | 1,643 | $ 899.00 | $ 0.54717 | $ 899.00 | RPA Energy |
| | TRANSCO | 2-6 | N | 1,674 | $ 916.05 | $ 0.54722 | $ 916.05 | Direct Energy |
| | TRANSCO | 2-6 | N | 1,705 | $ 933.10 | $ 0.54727 | $ 933.10 | Spark Energy |
| | TRANSCO | 2-6 | N | 1,891 | $ 1,034.78 | $ 0.54721 | $ 1,034.78 | Median Energy |
| | TRANSCO | 2-6 | N | 1,984 | $ 1,085.62 | $ 0.54719 | $ 1,085.62 | Direct Energy |
| | TRANSCO | 2-6 | N | 2,201 | $ 1,204.35 | $ 0.54718 | $ 1,204.35 | EDF Trading |
| | TRANSCO | 2-6 | N | 2,573 | $ 1,408.02 | $ 0.54723 | $ 1,408.02 | Shipley |
| | TRANSCO | 2-6 | N | 2,852 | $ 1,560.54 | $ 0.54717 | $ 1,560.54 | Nordic Energy |
| | TRANSCO | 2-6 | N | 3,596 | $ 1,967.57 | $ 0.54716 | $ 1,967.57 | Statewise |
| | TRANSCO | 2-6 | N | 5,332 | $ 2,917.72 | $ 0.54721 | $ 2,917.72 | Atlantic Energy |
| | TRANSCO | 2-6 | N | 7,285 | $ 3,986.29 | $ 0.54719 | $ 3,986.29 | Palmco |
| | TRANSCO | 2-6 | N | 8,773 | $ 4,800.35 | $ 0.54717 | $ 4,800.35 | American Power |
| | TRANSCO | 2-6 | N | 10,013 | $ 5,478.94 | $ 0.54718 | $ 5,478.94 | Energo |
| | TRANSCO | 2-6 | N | 10,571 | $ 5,784.29 | $ 0.54718 | $ 5,784.29 | UET |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | TRANSCO | 2-6 | N | 11,780 | $ 6,445.83 | $ 0.54718 | $ 6,445.83 | Vista Energy |
| | TRANSCO | 2-6 | N | 15,004 | $ 8,209.73 | $ 0.54717 | $ 8,209.73 | Inspire |
| | TRANSCO | 2-6 | N | 17,701 | $ 9,685.64 | $ 0.54718 | $ 9,685.64 | WGL Energy |
| | TRANSCO | 2-6 | N | 19,561 | $ 10,703.37 | $ 0.54718 | $ 10,703.37 | Sprague |
| | TRANSCO | 2-6 | N | 20,057 | $ 10,974.62 | $ 0.54717 | $ 10,974.62 | MPower |
| | TRANSCO | 2-6 | N | 22,506 | $ 12,314.75 | $ 0.54718 | $ 12,314.75 | Residents |
| | TRANSCO | 2-6 | N | 35,712 | $ 19,540.85 | $ 0.54718 | $ 19,540.85 | Direct Energy |
| | TRANSCO | 2-6 | N | 54,994 | $ 30,091.70 | $ 0.54718 | $ 30,091.70 | SFE Energy |
| | TRANSCO | 2-6 | N | 73,470 | $ 40,201.42 | $ 0.54718 | $ 40,201.42 | Direct Energy |
| | TRANSCO | 2-6 | N | 81,096 | $ 44,374.33 | $ 0.54718 | $ 44,374.33 | Constellation |
| | TRANSCO | 2-6 | N | 108,097 | $ 59,148.31 | $ 0.54718 | $ 59,148.31 | UGI Energy |
| | TRANSCO | 1-3 | N | 155,000 | $ 124,000.00 | $ 0.80000 | $ 124,000.00 | Tenaska |
| | TRANSCO | 2-3 | N | 155,000 | $ 69,750.00 | $ 0.45000 | $ 69,750.00 | Tenaska |
| | TRANSCO | 3-6 | N | 310,000 | $ 1,453,900.00 | $ 4.69000 | $ 1,453,900.00 | Pacific Summit |
| | TRANSCO | 3-6 | N | 2,325,000 | $ - | $ - | $ - | Tioga LNG LLC |
| | TRANSCO | 3-6 | N | 775,000 | $ - | $ - | $ - | Tioga LNG LLC |
| | | | | 4,250,627 | | | $ 1,937,998.17 | |
| | | | | | | | | |
| **Philadelphia Gas Works** | | | | | | | | **Schedule 4** |
| **Pennsylvania Public Utilities Commission** | | | | | | | | **Page 4 of 12** |
| **52 Pa. Code §53.61, et seq.** | | | | | | | | **Item 53.64(C)(7)** |
| **For the Twelve Months Ending December 31, 2023** | | | | | | | | |
| | | | | | | | | |
| | | | | **MONTHLY** | **TOTAL** | | | |
| | | | **RECALL** | **VOLUME** | **MONTHLY** | **CREDIT** | **TOTAL** | **REPLACEMENT** |
| **M / YR** | **PIPELINE** | **PATH** | **STATUS** | **DTH** | **CREDIT** | **DTH** | **CREDIT** | **SHIPPER** |
| | | | | | | | | |
| **April-23** | TETCO | STX - M3 | N | 540 | $ 490.02 | $ 0.9074 | $ 490.02 | New Wave Energy |
| | TETCO | STX - M3 | N | 540 | $ 490.02 | $ 0.9074 | $ 490.02 | Clearview Electric |
| | TETCO | STX - M3 | N | 2,460 | $ 2,250.73 | $ 0.9149 | $ 2,250.73 | Nordic Energy |
| | TETCO | STX - M3 | N | 1,680 | $ 1,536.49 | $ 0.9146 | $ 1,536.49 | Direct Energy |
| | TETCO | STX - M3 | N | 2,100 | $ 1,918.52 | $ 0.9136 | $ 1,918.52 | Direct Energy |
| | TETCO | STX - M3 | N | 8,460 | $ 7,732.21 | $ 0.9140 | $ 7,732.21 | American Power |
| | TETCO | STX - M3 | N | 10,920 | $ 9,974.63 | $ 0.9134 | $ 9,974.63 | Vista Energy |
| | TETCO | STX - M3 | N | 2,550 | $ 2,333.80 | $ 0.9152 | $ 2,333.80 | Shipley |
| | TETCO | STX - M3 | N | 15,540 | $ 14,193.72 | $ 0.9134 | $ 14,193.72 | WGL Energy |
| | TETCO | STX - M3 | N | 2,100 | $ 1,918.52 | $ 0.9136 | $ 1,918.52 | EDF Trading |
| | TETCO | STX - M3 | N | 78,510 | $ 71,724.35 | $ 0.9136 | $ 71,724.35 | Constellation |
| | TETCO | STX - M3 | N | 18,900 | $ 17,266.66 | $ 0.9136 | $ 17,266.66 | MPower |
| | TETCO | STX - M3 | N | 52,080 | $ 47,580.92 | $ 0.9136 | $ 47,580.92 | SFE Energy |
| | TETCO | STX - M3 | N | 3,240 | $ 2,956.68 | $ 0.9126 | $ 2,956.68 | Statewise |
| | TETCO | STX - M3 | N | 6,150 | $ 5,622.68 | $ 0.9143 | $ 5,622.68 | Palmco |
| | TETCO | STX - M3 | N | 1,770 | $ 1,619.53 | $ 0.9150 | $ 1,619.53 | Median Energy |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | TETCO | STX - M3 | N | 21,060 | $ 19,243.31 | $ 0.9137 | $ 19,243.31 | Residents |
| | TETCO | STX - M3 | N | 4,650 | $ 4,252.31 | $ 0.9145 | $ 4,252.31 | Atlantic Energy |
| | TETCO | STX - M3 | N | 1,140 | $ 1,038.16 | $ 0.9107 | $ 1,038.16 | Spark Energy |
| | TETCO | STX - M3 | N | 102,330 | $ 93,484.15 | $ 0.9136 | $ 93,484.15 | UGI Energy |
| | TETCO | STX - M3 | N | 10,650 | $ 9,733.79 | $ 0.9140 | $ 9,733.79 | UET |
| | TETCO | STX - M3 | N | 10,170 | $ 9,293.60 | $ 0.9138 | $ 9,293.60 | Energo |
| | TETCO | STX - M3 | N | 71,220 | $ 65,063.50 | $ 0.9136 | $ 65,063.50 | Direct Energy |
| | TETCO | STX - M3 | N | 33,840 | $ 30,912.23 | $ 0.9135 | $ 30,912.23 | Direct Energy |
| | TETCO | STX - M3 | N | 17,880 | $ 16,336.48 | $ 0.9137 | $ 16,336.48 | Sprague |
| | TETCO | STX - M3 | N | 900 | $ 822.22 | $ 0.9136 | $ 822.22 | Eligo Energy |
| | TETCO | STX - M3 | N | 16,680 | $ 15,240.19 | $ 0.9137 | $ 15,240.19 | Inspire |
| | TETCO | STX - M3 | N | 270 | $ 249.16 | $ 0.9228 | $ 249.16 | City Power |
| | TETCO | STX - M3 | N | 870 | $ 797.31 | $ 0.9164 | $ 797.31 | South Bay |
| | TETCO | STX - M3 | N | 330 | $ 298.99 | $ 0.9060 | $ 298.99 | Alpha Gas |
| | TETCO | STX - M3 | N | 960 | $ 880.36 | $ 0.9170 | $ 880.36 | Greenlight |
| | TETCO | STX - M3 | N | 1,350 | $ 1,237.49 | $ 0.9167 | $ 1,237.49 | Park Power |
| | TETCO | STX - M3 | N | 1,500 | $ 1,370.38 | $ 0.9136 | $ 1,370.38 | RPA Energy |
| | TETCO | STX - M3 | N | 990 | $ 905.28 | $ 0.9144 | $ 905.28 | Santanna |
| | TETCO | STX - M3 | N | 540 | $ 490.02 | $ 0.9074 | $ 490.02 | Spring |
| | TETCO | STX - M3 | N | 90,000 | $ 14,400.00 | $ 0.1600 | $ 14,400.00 | Tenaska |
| | TETCO | STX - M3 | N | 471,240 | $ 98,960.40 | $ 0.2100 | $ 98,960.40 | Tenaska |
| | | | | 1,066,110 | | | $ 574,618.81 | |
| | | | | | | | | |
| | TRANSCO | 2-6 | N | 270 | $ 147.90 | $ 0.54778 | $ 147.90 | City Power |
| | TRANSCO | 2-6 | N | 330 | $ 180.60 | $ 0.54727 | $ 180.60 | Alpha Gas |
| | TRANSCO | 2-6 | N | 540 | $ 295.50 | $ 0.54722 | $ 295.50 | New Wave Energy |
| | TRANSCO | 2-6 | N | 540 | $ 295.50 | $ 0.54722 | $ 295.50 | Spring |
| | TRANSCO | 2-6 | N | 570 | $ 312.00 | $ 0.54737 | $ 312.00 | Clearview Electric |
| | TRANSCO | 2-6 | N | 900 | $ 492.60 | $ 0.54733 | $ 492.60 | South Bay |
| | TRANSCO | 2-6 | N | 900 | $ 492.60 | $ 0.54733 | $ 492.60 | Eligo Energy |
| | TRANSCO | 2-6 | N | 960 | $ 525.60 | $ 0.54750 | $ 525.60 | Greenlight |
| | TRANSCO | 2-6 | N | 1,020 | $ 558.30 | $ 0.54735 | $ 558.30 | Santanna |
| | TRANSCO | 2-6 | N | 1,140 | $ 624.00 | $ 0.54737 | $ 624.00 | Spark Energy |
| | TRANSCO | 2-6 | N | 1,380 | $ 755.40 | $ 0.54739 | $ 755.40 | Park Power |
| | TRANSCO | 2-6 | N | 1,530 | $ 837.60 | $ 0.54745 | $ 837.60 | RPA Energy |
| | TRANSCO | 2-6 | N | 1,680 | $ 919.80 | $ 0.54750 | $ 919.80 | Direct Energy |
| | TRANSCO | 2-6 | N | 1,770 | $ 969.30 | $ 0.54763 | $ 969.30 | Median Energy |
| | TRANSCO | 2-6 | N | 2,100 | $ 1,149.90 | $ 0.54757 | $ 1,149.90 | Direct Energy |
| | TRANSCO | 2-6 | N | 2,130 | $ 1,166.10 | $ 0.54746 | $ 1,166.10 | EDF Trading |
| | TRANSCO | 2-6 | N | 2,460 | $ 1,347.00 | $ 0.54756 | $ 1,347.00 | Nordic Energy |
| | TRANSCO | 2-6 | N | 2,580 | $ 1,412.70 | $ 0.54756 | $ 1,412.70 | Shipley |
| | TRANSCO | 2-6 | N | 3,270 | $ 1,790.40 | $ 0.54752 | $ 1,790.40 | Statewise |
| | TRANSCO | 2-6 | N | 4,680 | $ 2,562.00 | $ 0.54744 | $ 2,562.00 | Atlantic Energy |
| | TRANSCO | 2-6 | N | 6,150 | $ 3,366.90 | $ 0.54746 | $ 3,366.90 | Palmco |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | TRANSCO | 2-6 | N | 8,460 | $ 4,631.70 | $ 0.54748 | $ 4,631.70 | American Power |
| | TRANSCO | 2-6 | N | 10,170 | $ 5,568.00 | $ 0.54749 | $ 5,568.00 | Energo |
| | TRANSCO | 2-6 | N | 10,650 | $ 5,830.50 | $ 0.54746 | $ 5,830.50 | UET |
| | TRANSCO | 2-6 | N | 10,950 | $ 5,994.90 | $ 0.54748 | $ 5,994.90 | Vista Energy |
| | TRANSCO | 2-6 | N | 15,570 | $ 8,524.50 | $ 0.54750 | $ 8,524.50 | WGL Energy |
| | TRANSCO | 2-6 | N | 16,680 | $ 9,132.00 | $ 0.54748 | $ 9,132.00 | Inspire |
| | TRANSCO | 2-6 | N | 17,910 | $ 9,805.20 | $ 0.54747 | $ 9,805.20 | Sprague |
| | TRANSCO | 2-6 | N | 18,900 | $ 10,347.60 | $ 0.54749 | $ 10,347.60 | MPower |
| | TRANSCO | 2-6 | N | 21,090 | $ 11,546.40 | $ 0.54748 | $ 11,546.40 | Residents |
| | TRANSCO | 2-6 | N | 33,870 | $ 18,543.00 | $ 0.54748 | $ 18,543.00 | Direct Energy |
| | TRANSCO | 2-6 | N | 52,110 | $ 28,529.40 | $ 0.54748 | $ 28,529.40 | SFE Energy |
| | TRANSCO | 2-6 | N | 71,220 | $ 38,991.30 | $ 0.54748 | $ 38,991.30 | Direct Energy |
| | TRANSCO | 2-6 | N | 78,540 | $ 42,999.30 | $ 0.54748 | $ 42,999.30 | Constellation |
| | TRANSCO | 2-6 | N | 102,330 | $ 56,023.80 | $ 0.54748 | $ 56,023.80 | UGI Energy |
| | TRANSCO | 1-3 | N | 300,000 | $ 105,000.00 | $ 0.35000 | $ 105,000.00 | Castleton |
| | TRANSCO | 1-3 | N | 300,000 | $ 120,000.00 | $ 0.40000 | $ 120,000.00 | Tenaska |
| | TRANSCO | 2-3 | N | 150,000 | $ 18,000.00 | $ 0.12000 | $ 18,000.00 | Colonial |
| | TRANSCO | 2-3 | N | 300,000 | $ 45,300.00 | $ 0.15100 | $ 45,300.00 | Hartree |
| | TRANSCO | 3-6 | N | 600,000 | $ 134,400.00 | $ 0.22400 | $ 134,400.00 | Castleton |
| | TRANSCO | 3-6 | N | 600,000 | $ 132,000.00 | $ 0.22000 | $ 132,000.00 | Shell |
| | TRANSCO | 3-5 | N | 900,000 | $ - | $ - | $ - | Tioga LNG LLC |
| | | | | 3,655,350 | | | $ 831,369.30 | |
| | | | | | | | | |
| **Philadelphia Gas Works** | | | | | | | | **Schedule 4** |
| **Pennsylvania Public Utilities Commission** | | | | | | | | **Page 5 of 12** |
| **52 Pa. Code §53.61, et seq.** | | | | | | | | **Item 53.64(C)(7)** |
| **For the Twelve Months Ending December 31, 2023** | | | | | | | | |
| | | | | | | | | |
| | | | | **MONTHLY** | **TOTAL** | | | |
| | | | **RECALL** | **VOLUME** | **MONTHLY** | **CREDIT** | **TOTAL** | **REPLACEMENT** |
| **M / YR** | **PIPELINE** | **PATH** | **STATUS** | **DTH** | **CREDIT** | **DTH** | **CREDIT** | **SHIPPER** |
| | | | | | | | | |
| **May-23** | TETCO | STX - M3 | N | 81,871 | $ 59,335.57 | $ 0.7247 | $ 59,335.57 | Constellation |
| | TETCO | STX - M3 | N | 102,951 | $ 74,613.71 | $ 0.7247 | $ 74,613.71 | UGI Energy |
| | TETCO | STX - M3 | N | 5,890 | $ 4,268.90 | $ 0.7248 | $ 4,268.90 | Palmco |
| | TETCO | STX - M3 | N | 17,081 | $ 12,377.72 | $ 0.7246 | $ 12,377.72 | Sprague |
| | TETCO | STX - M3 | N | 1,891 | $ 1,368.45 | $ 0.7237 | $ 1,368.45 | Direct Energy |
| | TETCO | STX - M3 | N | 34,317 | $ 24,871.23 | $ 0.7247 | $ 24,871.23 | Direct Energy |
| | TETCO | STX - M3 | N | 74,090 | $ 53,698.21 | $ 0.7248 | $ 53,698.21 | Direct Energy |
| | TETCO | STX - M3 | N | 651 | $ 469.74 | $ 0.7216 | $ 469.74 | New Wave Energy |
| | TETCO | STX - M3 | N | 19,313 | $ 13,998.18 | $ 0.7248 | $ 13,998.18 | MPower |
| | TETCO | STX - M3 | N | 2,697 | $ 1,954.00 | $ 0.7245 | $ 1,954.00 | Shipley |
| | TETCO | STX - M3 | N | 17,329 | $ 12,561.62 | $ 0.7249 | $ 12,561.62 | WGL Energy |

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|---|---|---|---|---|---|---|---|---|
| | TETCO | STX - M3 | N | 11,036 | $ 7,999.95 | $ 0.7249 | $ 7,999.95 | Vista Energy |
| | TETCO | STX - M3 | N | 1,550 | $ 1,123.41 | $ 0.7248 | $ 1,123.41 | RPA Energy |
| | TETCO | STX - M3 | N | 19,189 | $ 13,909.68 | $ 0.7249 | $ 13,909.68 | Inspire |
| | TETCO | STX - M3 | N | 310 | $ 224.68 | $ 0.7248 | $ 224.68 | City Power |
| | TETCO | STX - M3 | N | 837 | $ 605.94 | $ 0.7239 | $ 605.94 | South Bay |
| | TETCO | STX - M3 | N | 310 | $ 224.68 | $ 0.7248 | $ 224.68 | Alpha Gas |
| | TETCO | STX - M3 | N | 527 | $ 381.26 | $ 0.7235 | $ 381.26 | Clearview Electric |
| | TETCO | STX - M3 | N | 53,599 | $ 38,849.02 | $ 0.7248 | $ 38,849.02 | SFE Energy |
| | TETCO | STX - M3 | N | 3,131 | $ 2,267.16 | $ 0.7241 | $ 2,267.16 | Statewise |
| | TETCO | STX - M3 | N | 2,294 | $ 1,661.22 | $ 0.7242 | $ 1,661.22 | Nordic Energy |
| | TETCO | STX - M3 | N | 1,302 | $ 946.43 | $ 0.7269 | $ 946.43 | Park Power |
| | TETCO | STX - M3 | N | 10,664 | $ 7,727.56 | $ 0.7246 | $ 7,727.56 | UET |
| | TETCO | STX - M3 | N | 899 | $ 653.65 | $ 0.7271 | $ 653.65 | Eligo Energy |
| | TETCO | STX - M3 | N | 868 | $ 626.32 | $ 0.7216 | $ 626.32 | Greenlight |
| | TETCO | STX - M3 | N | 7,998 | $ 5,793.94 | $ 0.7244 | $ 5,793.94 | American Power |
| | TETCO | STX - M3 | N | 10,013 | $ 7,257.82 | $ 0.7248 | $ 7,257.82 | Energo |
| | TETCO | STX - M3 | N | 496 | $ 360.88 | $ 0.7276 | $ 360.88 | Spring |
| | TETCO | STX - M3 | N | 21,483 | $ 15,570.94 | $ 0.7248 | $ 15,570.94 | Residents |
| | TETCO | STX - M3 | N | 1,767 | $ 1,279.98 | $ 0.7244 | $ 1,279.98 | Median Energy |
| | TETCO | STX - M3 | N | 4,526 | $ 3,281.69 | $ 0.7251 | $ 3,281.69 | Atlantic Energy |
| | TETCO | STX - M3 | N | 2,418 | $ 1,749.72 | $ 0.7236 | $ 1,749.72 | Direct Energy |
| | TETCO | STX - M3 | N | 1,085 | $ 789.85 | $ 0.7280 | $ 789.85 | Santanna |
| | TETCO | STX - M3 | N | 1,178 | $ 851.01 | $ 0.7224 | $ 851.01 | Spark Energy |
| | TETCO | STX - M3 | N | 2,170 | $ 1,572.76 | $ 0.7248 | $ 1,572.76 | EDF Trading |
| | TETCO | STX - M3 | N | 93,000 | $ 14,880.00 | $ 0.1600 | $ 14,880.00 | Tenaska |
| | TETCO | STX - M3 | N | 486,948 | $ 102,259.08 | $ 0.2100 | $ 102,259.08 | Tenaska |
| | TETCO | WLA - M3 | N | 522,000 | $ 169,754.39 | $ 0.3252 | $ 169,754.39 | Grays Ferry |
| | TETCO | WLA - M3 | N | 522,000 | $ 169,754.39 | $ 0.3252 | $ 169,754.39 | Grays Ferry |
| | | | | 2,141,679 | | | $ 831,874.74 | |
| | | | | | | | | |
| | TRANSCO | 2-6 | N | 310 | $ 169.57 | $ 0.54700 | $ 169.57 | City Power |
| | TRANSCO | 2-6 | N | 341 | $ 186.62 | $ 0.54727 | $ 186.62 | Alpha Gas |
| | TRANSCO | 2-6 | N | 527 | $ 288.61 | $ 0.54765 | $ 288.61 | Spring |
| | TRANSCO | 2-6 | N | 527 | $ 288.61 | $ 0.54765 | $ 288.61 | Clearview Electric |
| | TRANSCO | 2-6 | N | 682 | $ 373.24 | $ 0.54727 | $ 373.24 | New Wave Energy |
| | TRANSCO | 2-6 | N | 837 | $ 458.18 | $ 0.54741 | $ 458.18 | South Bay |
| | TRANSCO | 2-6 | N | 899 | $ 491.97 | $ 0.54724 | $ 491.97 | Greenlight |
| | TRANSCO | 2-6 | N | 899 | $ 491.97 | $ 0.54724 | $ 491.97 | Eligo Energy |
| | TRANSCO | 2-6 | N | 1,116 | $ 611.01 | $ 0.54750 | $ 611.01 | Santanna |
| | TRANSCO | 2-6 | N | 1,178 | $ 644.80 | $ 0.54737 | $ 644.80 | Spark Energy |
| | TRANSCO | 2-6 | N | 1,333 | $ 729.74 | $ 0.54744 | $ 729.74 | Park Power |
| | TRANSCO | 2-6 | N | 1,581 | $ 865.52 | $ 0.54745 | $ 865.52 | RPA Energy |
| | TRANSCO | 2-6 | N | 1,767 | $ 967.51 | $ 0.54754 | $ 967.51 | Median Energy |
| | TRANSCO | 2-6 | N | 1,922 | $ 1,052.45 | $ 0.54758 | $ 1,052.45 | Direct Energy |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | TRANSCO | 2-6 | N | 2,201 | $ 1,204.97 | $ 0.54746 | $ 1,204.97 | EDF Trading |
| | TRANSCO | 2-6 | N | 2,325 | $ 1,272.86 | $ 0.54747 | $ 1,272.86 | Nordic Energy |
| | TRANSCO | 2-6 | N | 2,449 | $ 1,340.75 | $ 0.54747 | $ 1,340.75 | Direct Energy |
| | TRANSCO | 2-6 | N | 2,697 | $ 1,476.53 | $ 0.54747 | $ 1,476.53 | Shipley |
| | TRANSCO | 2-6 | N | 3,162 | $ 1,731.04 | $ 0.54745 | $ 1,731.04 | Statewise |
| | TRANSCO | 2-6 | N | 4,526 | $ 2,477.83 | $ 0.54747 | $ 2,477.83 | Atlantic Energy |
| | TRANSCO | 2-6 | N | 5,921 | $ 3,241.67 | $ 0.54749 | $ 3,241.67 | Palmco |
| | TRANSCO | 2-6 | N | 7,998 | $ 4,378.75 | $ 0.54748 | $ 4,378.75 | American Power |
| | TRANSCO | 2-6 | N | 10,013 | $ 5,482.04 | $ 0.54749 | $ 5,482.04 | Energo |
| | TRANSCO | 2-6 | N | 10,695 | $ 5,855.28 | $ 0.54748 | $ 5,855.28 | UET |
| | TRANSCO | 2-6 | N | 11,067 | $ 6,058.95 | $ 0.54748 | $ 6,058.95 | Vista Energy |
| | TRANSCO | 2-6 | N | 17,112 | $ 9,368.51 | $ 0.54748 | $ 9,368.51 | Sprague |
| | TRANSCO | 2-6 | N | 17,329 | $ 9,487.24 | $ 0.54748 | $ 9,487.24 | WGL Energy |
| | TRANSCO | 2-6 | N | 19,189 | $ 10,505.59 | $ 0.54748 | $ 10,505.59 | Inspire |
| | TRANSCO | 2-6 | N | 19,313 | $ 10,573.48 | $ 0.54748 | $ 10,573.48 | MPower |
| | TRANSCO | 2-6 | N | 21,514 | $ 11,778.45 | $ 0.54748 | $ 11,778.45 | Residents |
| | TRANSCO | 2-6 | N | 34,348 | $ 18,804.91 | $ 0.54748 | $ 18,804.91 | Direct Energy |
| | TRANSCO | 2-6 | N | 53,599 | $ 29,344.60 | $ 0.54748 | $ 29,344.60 | SFE Energy |
| | TRANSCO | 2-6 | N | 74,121 | $ 40,579.93 | $ 0.54748 | $ 40,579.93 | Direct Energy |
| | TRANSCO | 2-6 | N | 81,902 | $ 44,839.64 | $ 0.54748 | $ 44,839.64 | Constellation |
| | TRANSCO | 2-6 | N | 102,982 | $ 56,380.63 | $ 0.54748 | $ 56,380.63 | UGI Energy |
| | TRANSCO | 1-3 | N | 310,000 | $ 108,500.00 | $ 0.35000 | $ 108,500.00 | Castleton |
| | TRANSCO | 1-3 | N | 310,000 | $ 124,000.00 | $ 0.40000 | $ 124,000.00 | Tenaska |
| | TRANSCO | 2-3 | N | 155,000 | $ 18,600.00 | $ 0.12000 | $ 18,600.00 | Colonial |
| | TRANSCO | 2-3 | N | 310,000 | $ 46,810.00 | $ 0.15100 | $ 46,810.00 | Hartree |
| | TRANSCO | 3-6 | N | 620,000 | $ 138,880.00 | $ 0.22400 | $ 138,880.00 | Castleton |
| | TRANSCO | 3-6 | N | 620,000 | $ 136,400.00 | $ 0.22000 | $ 136,400.00 | Shell |
| | TRANSCO | 3-5 | N | 930,000 | $ - | $ - | $ - | Tioga LNG LLC |
| | | | | 3,773,382 | | | $ 856,993.45 | |

**Philadelphia Gas Works** **Schedule 4**

**Pennsylvania Public Utilities Commission** **Page 6 of 12**

**52 Pa. Code §53.61, et seq.** **Item 53.64(C)(7)**

**For the Twelve Months Ending December 31, 2023**

| | | | | MONTHLY | TOTAL | | | |
|---|---|---|---|---|---|---|---|---|
| | | | RECALL | VOLUME | MONTHLY | CREDIT | TOTAL | REPLACEMENT |
| M / YR | PIPELINE | PATH | STATUS | DTH | CREDIT | DTH | CREDIT | SHIPPER |
| **June-23** | TETCO | STX - M3 | N | 10,170 | $ 7,372.94 | $ 0.7250 | $ 7,372.94 | Vista Energy |
| | TETCO | STX - M3 | N | 1,170 | $ 850.01 | $ 0.7265 | $ 850.01 | New Wave Energy |
| | TETCO | STX - M3 | N | 16,260 | $ 11,787.45 | $ 0.7249 | $ 11,787.45 | Sprague |
| | TETCO | STX - M3 | N | 11,280 | $ 8,176.74 | $ 0.7249 | $ 8,176.74 | Energo |
| | TETCO | STX - M3 | N | 8,070 | $ 5,850.92 | $ 0.7250 | $ 5,850.92 | American Power |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | TETCO | STX - M3 | N | 4,230 | $ | 3,063.76 | $ 0.7243 | $ | 3,063.76 | Atlantic Energy |
| | TETCO | STX - M3 | N | 1,590 | $ | 1,153.07 | $ 0.7252 | $ | 1,153.07 | Median Energy |
| | TETCO | STX - M3 | N | 20,070 | $ | 14,548.16 | $ 0.7249 | $ | 14,548.16 | Residents |
| | TETCO | STX - M3 | N | 480 | $ | 349.24 | $ 0.7276 | $ | 349.24 | Spring |
| | TETCO | STX - M3 | N | 5,190 | $ | 3,762.24 | $ 0.7249 | $ | 3,762.24 | Palmco |
| | TETCO | STX - M3 | N | 480 | $ | 349.24 | $ 0.7276 | $ | 349.24 | Clearview Electric |
| | TETCO | STX - M3 | N | 50,220 | $ | 36,396.61 | $ 0.7247 | $ | 36,396.61 | SFE Energy |
| | TETCO | STX - M3 | N | 2,790 | $ | 2,022.79 | $ 0.7250 | $ | 2,022.79 | Statewise |
| | TETCO | STX - M3 | N | 17,100 | $ | 12,393.56 | $ 0.7248 | $ | 12,393.56 | WGL Energy |
| | TETCO | STX - M3 | N | 1,410 | $ | 1,021.25 | $ 0.7243 | $ | 1,021.25 | RPA Energy |
| | TETCO | STX - M3 | N | 71,070 | $ | 51,511.43 | $ 0.7248 | $ | 51,511.43 | Direct Energy |
| | TETCO | STX - M3 | N | 32,130 | $ | 23,284.84 | $ 0.7247 | $ | 23,284.84 | Direct Energy |
| | TETCO | STX - M3 | N | 1,800 | $ | 1,304.58 | $ 0.7248 | $ | 1,304.58 | Direct Energy |
| | TETCO | STX - M3 | N | 2,400 | $ | 1,739.44 | $ 0.7248 | $ | 1,739.44 | Direct Energy |
| | TETCO | STX - M3 | N | 1,920 | $ | 1,390.23 | $ 0.7241 | $ | 1,390.23 | Nordic Energy |
| | TETCO | STX - M3 | N | 78,930 | $ | 57,204.08 | $ 0.7247 | $ | 57,204.08 | Constellation |
| | TETCO | STX - M3 | N | 810 | $ | 586.39 | $ 0.7239 | $ | 586.39 | Eligo Energy |
| | TETCO | STX - M3 | N | 19,710 | $ | 14,284.55 | $ 0.7247 | $ | 14,284.55 | Inspire |
| | TETCO | STX - M3 | N | 1,140 | $ | 823.54 | $ 0.7224 | $ | 823.54 | Park Power |
| | TETCO | STX - M3 | N | 810 | $ | 586.39 | $ 0.7239 | $ | 586.39 | Greenlight |
| | TETCO | STX - M3 | N | 300 | $ | 217.43 | $ 0.7248 | $ | 217.43 | Alpha Gas |
| | TETCO | STX - M3 | N | 720 | $ | 520.50 | $ 0.7229 | $ | 520.50 | South Bay |
| | TETCO | STX - M3 | N | 330 | $ | 237.16 | $ 0.7187 | $ | 237.16 | City Power |
| | TETCO | STX - M3 | N | 2,610 | $ | 1,890.99 | $ 0.7245 | $ | 1,890.99 | Shipley |
| | TETCO | STX - M3 | N | 10,200 | $ | 7,392.66 | $ 0.7248 | $ | 7,392.66 | UET |
| | TETCO | STX - M3 | N | 18,060 | $ | 13,092.04 | $ 0.7249 | $ | 13,092.04 | MPower |
| | TETCO | STX - M3 | N | 2,040 | $ | 1,475.84 | $ 0.7235 | $ | 1,475.84 | EDF Trading |
| | TETCO | STX - M3 | N | 1,140 | $ | 823.54 | $ 0.7224 | $ | 823.54 | Santanna |
| | TETCO | STX - M3 | N | 1,080 | $ | 784.09 | $ 0.7260 | $ | 784.09 | Spark Energy |
| | TETCO | STX - M3 | N | 97,770 | $ | 70,862.79 | $ 0.7248 | $ | 70,862.79 | UGI Energy |
| | TETCO | STX - M3 | N | 90,000 | $ | 14,400.00 | $ 0.1600 | $ | 14,400.00 | Tenaska |
| | TETCO | STX - M3 | N | 471,240 | $ | 98,960.40 | $ 0.2100 | $ | 98,960.40 | Tenaska |
| | TETCO | WLA - M3 | N | 540,000 | $ | 182,736.02 | $ 0.3384 | $ | 182,736.02 | Grays Ferry |
| | TETCO | WLA - M3 | N | 540,000 | $ | 182,736.02 | $ 0.3384 | $ | 182,736.02 | Grays Ferry |
| | | | | 2,136,720 | | | | $ | 837,942.93 | |
| | | | | | | | | | | |
| | TRANSCO | 2-6 | N | 300 | $ | 164.10 | $ 0.54700 | $ | 164.10 | Alpha Gas |
| | TRANSCO | 2-6 | N | 360 | $ | 197.10 | $ 0.54750 | $ | 197.10 | City Power |
| | TRANSCO | 2-6 | N | 480 | $ | 262.80 | $ 0.54750 | $ | 262.80 | Spring |
| | TRANSCO | 2-6 | N | 480 | $ | 262.80 | $ 0.54750 | $ | 262.80 | Clearview Electric |
| | TRANSCO | 2-6 | N | 720 | $ | 394.20 | $ 0.54750 | $ | 394.20 | South Bay |
| | TRANSCO | 2-6 | N | 810 | $ | 443.40 | $ 0.54741 | $ | 443.40 | Greenlight |
| | TRANSCO | 2-6 | N | 810 | $ | 443.40 | $ 0.54741 | $ | 443.40 | Eligo Energy |
| | TRANSCO | 2-6 | N | 1,080 | $ | 591.30 | $ 0.54750 | $ | 591.30 | Spark Energy |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | TRANSCO | 2-6 | N | 1,140 | $ 624.00 | $ 0.54737 | $ 624.00 | Santanna |
| | TRANSCO | 2-6 | N | 1,170 | $ 640.50 | $ 0.54744 | $ 640.50 | Park Power |
| | TRANSCO | 2-6 | N | 1,200 | $ 657.00 | $ 0.54750 | $ 657.00 | New Wave Energy |
| | TRANSCO | 2-6 | N | 1,440 | $ 788.10 | $ 0.54729 | $ 788.10 | RPA Energy |
| | TRANSCO | 2-6 | N | 1,620 | $ 886.80 | $ 0.54741 | $ 886.80 | Median Energy |
| | TRANSCO | 2-6 | N | 1,830 | $ 1,002.00 | $ 0.54754 | $ 1,002.00 | Direct Energy |
| | TRANSCO | 2-6 | N | 1,950 | $ 1,067.70 | $ 0.54754 | $ 1,067.70 | Nordic Energy |
| | TRANSCO | 2-6 | N | 2,070 | $ 1,133.40 | $ 0.54754 | $ 1,133.40 | EDF Trading |
| | TRANSCO | 2-6 | N | 2,430 | $ 1,330.50 | $ 0.54753 | $ 1,330.50 | Direct Energy |
| | TRANSCO | 2-6 | N | 2,610 | $ 1,428.90 | $ 0.54747 | $ 1,428.90 | Shipley |
| | TRANSCO | 2-6 | N | 2,790 | $ 1,527.60 | $ 0.54753 | $ 1,527.60 | Statewise |
| | TRANSCO | 2-6 | N | 4,260 | $ 2,332.20 | $ 0.54746 | $ 2,332.20 | Atlantic Energy |
| | TRANSCO | 2-6 | N | 5,220 | $ 2,858.10 | $ 0.54753 | $ 2,858.10 | Palmco |
| | TRANSCO | 2-6 | N | 8,100 | $ 4,434.60 | $ 0.54748 | $ 4,434.60 | American Power |
| | TRANSCO | 2-6 | N | 10,200 | $ 5,584.20 | $ 0.54747 | $ 5,584.20 | UET |
| | TRANSCO | 2-6 | N | 10,200 | $ 5,584.20 | $ 0.54747 | $ 5,584.20 | Vista Energy |
| | TRANSCO | 2-6 | N | 11,280 | $ 6,175.50 | $ 0.54747 | $ 6,175.50 | Energo |
| | TRANSCO | 2-6 | N | 16,290 | $ 8,918.40 | $ 0.54748 | $ 8,918.40 | Sprague |
| | TRANSCO | 2-6 | N | 17,130 | $ 9,378.30 | $ 0.54748 | $ 9,378.30 | WGL Energy |
| | TRANSCO | 2-6 | N | 18,090 | $ 9,903.90 | $ 0.54748 | $ 9,903.90 | MPower |
| | TRANSCO | 2-6 | N | 19,740 | $ 10,807.20 | $ 0.54748 | $ 10,807.20 | Inspire |
| | TRANSCO | 2-6 | N | 20,070 | $ 10,987.80 | $ 0.54747 | $ 10,987.80 | Residents |
| | TRANSCO | 2-6 | N | 32,130 | $ 17,590.50 | $ 0.54748 | $ 17,590.50 | Direct Energy |
| | TRANSCO | 2-6 | N | 50,220 | $ 27,494.40 | $ 0.54748 | $ 27,494.40 | SFE Energy |
| | TRANSCO | 2-6 | N | 71,070 | $ 38,909.40 | $ 0.54748 | $ 38,909.40 | Direct Energy |
| | TRANSCO | 2-6 | N | 78,930 | $ 43,212.60 | $ 0.54748 | $ 43,212.60 | Constellation |
| | TRANSCO | 2-6 | N | 97,800 | $ 53,543.40 | $ 0.54748 | $ 53,543.40 | UGI Energy |
| | TRANSCO | 1-3 | N | 300,000 | $ 105,000.00 | $ 0.35000 | $ 105,000.00 | Castleton |
| | TRANSCO | 1-3 | N | 300,000 | $ 120,000.00 | $ 0.40000 | $ 120,000.00 | Tenaska |
| | TRANSCO | 2-3 | N | 150,000 | $ 18,000.00 | $ 0.12000 | $ 18,000.00 | Colonial |
| | TRANSCO | 2-3 | N | 300,000 | $ 45,300.00 | $ 0.15100 | $ 45,300.00 | Hartree |
| | TRANSCO | 3-6 | N | 600,000 | $ 134,400.00 | $ 0.22400 | $ 134,400.00 | Castleton |
| | TRANSCO | 3-6 | N | 600,000 | $ 132,000.00 | $ 0.22000 | $ 132,000.00 | Shell |
| | TRANSCO | 3-5 | N | 900,000 | $ - | $ - | $ - | Tioga LNG LLC |
| | | | | 3,646,020 | | | $ 826,260.30 | |
| | | | | | | | | |
| **Philadelphia Gas Works** | | | | | | | | **Schedule 4** |
| **Pennsylvania Public Utilities Commission** | | | | | | | | **Page 7 of 12** |
| **52 Pa. Code §53.61, et seq.** | | | | | | | | **Item 53.64(C)(7)** |
| **For the Twelve Months Ending December 31, 2023** | | | | | | | | |
| | | | | | | | | |
| | | | | **MONTHLY** | **TOTAL** | | | |
| | | | **RECALL** | **VOLUME** | **MONTHLY** | **CREDIT** | **TOTAL** | **REPLACEMENT** |

Tab 06

| M / YR | PIPELINE | PATH | STATUS | DTH | CREDIT | DTH | CREDIT | SHIPPER |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |
| **July-23** | TETCO | STX - M3 | N | 1,798 | $ 1,300.35 | $ 0.7232 | $ 1,300.35 | Nordic Energy |
| | TETCO | STX - M3 | N | 1,178 | $ 851.01 | $ 0.7224 | $ 851.01 | Santanna |
| | TETCO | STX - M3 | N | 2,852 | $ 2,069.82 | $ 0.7257 | $ 2,069.82 | Direct Energy |
| | TETCO | STX - M3 | N | 1,798 | $ 1,300.35 | $ 0.7232 | $ 1,300.35 | Direct Energy |
| | TETCO | STX - M3 | N | 1,147 | $ 830.62 | $ 0.7242 | $ 830.62 | Park Power |
| | TETCO | STX - M3 | N | 310 | $ 224.68 | $ 0.7248 | $ 224.68 | Alpha Gas |
| | TETCO | STX - M3 | N | 651 | $ 469.74 | $ 0.7216 | $ 469.74 | South Bay |
| | TETCO | STX - M3 | N | 775 | $ 565.17 | $ 0.7293 | $ 565.17 | Greenlight |
| | TETCO | STX - M3 | N | 8,277 | $ 5,998.22 | $ 0.7247 | $ 5,998.22 | American Power |
| | TETCO | STX - M3 | N | 50,468 | $ 36,574.91 | $ 0.7247 | $ 36,574.91 | SFE Energy |
| | TETCO | STX - M3 | N | 2,666 | $ 1,933.61 | $ 0.7253 | $ 1,933.61 | Shipley |
| | TETCO | STX - M3 | N | 16,740 | $ 12,132.64 | $ 0.7248 | $ 12,132.64 | WGL Energy |
| | TETCO | STX - M3 | N | 2,635 | $ 1,913.23 | $ 0.7261 | $ 1,913.23 | Statewise |
| | TETCO | STX - M3 | N | 4,154 | $ 3,009.31 | $ 0.7244 | $ 3,009.31 | Atlantic Energy |
| | TETCO | STX - M3 | N | 341 | $ 245.07 | $ 0.7187 | $ 245.07 | City Power |
| | TETCO | STX - M3 | N | 1,519 | $ 1,103.01 | $ 0.7261 | $ 1,103.01 | Median Energy |
| | TETCO | STX - M3 | N | 1,085 | $ 789.85 | $ 0.7280 | $ 789.85 | Eligo Energy |
| | TETCO | STX - M3 | N | 19,747 | $ 14,311.34 | $ 0.7247 | $ 14,311.34 | Residents |
| | TETCO | STX - M3 | N | 5,146 | $ 3,731.06 | $ 0.7250 | $ 3,731.06 | Palmco |
| | TETCO | STX - M3 | N | 465 | $ 340.50 | $ 0.7323 | $ 340.50 | Spring |
| | TETCO | STX - M3 | N | 9,951 | $ 7,210.10 | $ 0.7246 | $ 7,210.10 | Vista Energy |
| | TETCO | STX - M3 | N | 99,851 | $ 72,366.93 | $ 0.7247 | $ 72,366.93 | UGI Energy |
| | TETCO | STX - M3 | N | 79,391 | $ 57,538.14 | $ 0.7247 | $ 57,538.14 | Constellation |
| | TETCO | STX - M3 | N | 1,240 | $ 898.71 | $ 0.7248 | $ 898.71 | RPA Energy |
| | TETCO | STX - M3 | N | 16,430 | $ 11,907.97 | $ 0.7248 | $ 11,907.97 | Sprague |
| | TETCO | STX - M3 | N | 2,077 | $ 1,504.64 | $ 0.7244 | $ 1,504.64 | EDF Trading |
| | TETCO | STX - M3 | N | 11,501 | $ 8,333.50 | $ 0.7246 | $ 8,333.50 | Energo |
| | TETCO | STX - M3 | N | 78,306 | $ 56,755.24 | $ 0.7248 | $ 56,755.24 | Direct Energy |
| | TETCO | STX - M3 | N | 32,736 | $ 23,727.45 | $ 0.7248 | $ 23,727.45 | Direct Energy |
| | TETCO | STX - M3 | N | 1,209 | $ 878.33 | $ 0.7265 | $ 878.33 | New Wave Energy |
| | TETCO | STX - M3 | N | 9,951 | $ 7,210.10 | $ 0.7246 | $ 7,210.10 | UET |
| | TETCO | STX - M3 | N | 465 | $ 340.50 | $ 0.7323 | $ 340.50 | Clearview Electric |
| | TETCO | STX - M3 | N | 18,352 | $ 13,303.76 | $ 0.7249 | $ 13,303.76 | MPower |
| | TETCO | STX - M3 | N | 1,023 | $ 742.14 | $ 0.7255 | $ 742.14 | Spark Energy |
| | TETCO | STX - M3 | N | 22,041 | $ 15,972.58 | $ 0.7247 | $ 15,972.58 | Inspire |
| | TETCO | STX - M3 | N | 93,000 | $ 14,880.00 | $ 0.1600 | $ 14,880.00 | Tenaska |
| | TETCO | STX - M3 | N | 486,948 | $ 102,259.08 | $ 0.2100 | $ 102,259.08 | Tenaska |
| | TETCO | WLA - M3 | N | 558,000 | $ 147,144.58 | $ 0.2637 | $ 147,144.58 | Grays Ferry |
| | TETCO | WLA - M3 | N | 558,000 | $ 147,144.58 | $ 0.2637 | $ 147,144.58 | Grays Ferry |
| | | | | 2,204,224 | | | $ 779,812.82 | |
| | | | | | | | | |
| | TRANSCO | 2-6 | N | 1,550 | $ 848.47 | $ 0.54740 | $ 848.47 | Median Energy |

Tab 06

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | TRANSCO | 2-6 | N | 465 | $ 254.51 | $ 0.54733 | $ 254.51 | Clearview Electric |
| | TRANSCO | 2-6 | N | 310 | $ 169.57 | $ 0.54700 | $ 169.57 | Alpha Gas |
| | TRANSCO | 2-6 | N | 496 | $ 271.56 | $ 0.54750 | $ 271.56 | Spring |
| | TRANSCO | 2-6 | N | 1,271 | $ 695.64 | $ 0.54732 | $ 695.64 | RPA Energy |
| | TRANSCO | 2-6 | N | 651 | $ 356.50 | $ 0.54762 | $ 356.50 | South Bay |
| | TRANSCO | 2-6 | N | 9,951 | $ 5,447.94 | $ 0.54748 | $ 5,447.94 | UET |
| | TRANSCO | 2-6 | N | 1,209 | $ 661.85 | $ 0.54744 | $ 661.85 | New Wave Energy |
| | TRANSCO | 2-6 | N | 1,116 | $ 611.01 | $ 0.54750 | $ 611.01 | Eligo Energy |
| | TRANSCO | 2-6 | N | 2,852 | $ 1,561.47 | $ 0.54750 | $ 1,561.47 | Direct Energy |
| | TRANSCO | 2-6 | N | 806 | $ 441.13 | $ 0.54731 | $ 441.13 | Greenlight |
| | TRANSCO | 2-6 | N | 1,829 | $ 1,001.61 | $ 0.54763 | $ 1,001.61 | Direct Energy |
| | TRANSCO | 2-6 | N | 1,054 | $ 576.91 | $ 0.54735 | $ 576.91 | Spark Energy |
| | TRANSCO | 2-6 | N | 372 | $ 203.67 | $ 0.54750 | $ 203.67 | City Power |
| | TRANSCO | 2-6 | N | 22,041 | $ 12,066.75 | $ 0.54747 | $ 12,066.75 | Inspire |
| | TRANSCO | 2-6 | N | 1,178 | $ 644.80 | $ 0.54737 | $ 644.80 | Santanna |
| | TRANSCO | 2-6 | N | 1,147 | $ 627.75 | $ 0.54730 | $ 627.75 | Park Power |
| | TRANSCO | 2-6 | N | 2,108 | $ 1,154.13 | $ 0.54750 | $ 1,154.13 | EDF Trading |
| | TRANSCO | 2-6 | N | 2,666 | $ 1,459.79 | $ 0.54756 | $ 1,459.79 | Shipley |
| | TRANSCO | 2-6 | N | 2,666 | $ 1,459.79 | $ 0.54756 | $ 1,459.79 | Statewise |
| | TRANSCO | 2-6 | N | 8,308 | $ 4,548.32 | $ 0.54746 | $ 4,548.32 | American Power |
| | TRANSCO | 2-6 | N | 11,501 | $ 6,296.41 | $ 0.54747 | $ 6,296.41 | Energo |
| | TRANSCO | 2-6 | N | 4,154 | $ 2,274.16 | $ 0.54746 | $ 2,274.16 | Atlantic Energy |
| | TRANSCO | 2-6 | N | 1,829 | $ 1,001.61 | $ 0.54763 | $ 1,001.61 | Nordic Energy |
| | TRANSCO | 2-6 | N | 5,177 | $ 2,834.33 | $ 0.54749 | $ 2,834.33 | Palmco |
| | TRANSCO | 2-6 | N | 18,383 | $ 10,064.15 | $ 0.54747 | $ 10,064.15 | MPower |
| | TRANSCO | 2-6 | N | 9,982 | $ 5,464.99 | $ 0.54748 | $ 5,464.99 | Vista Energy |
| | TRANSCO | 2-6 | N | 16,740 | $ 9,164.84 | $ 0.54748 | $ 9,164.84 | WGL Energy |
| | TRANSCO | 2-6 | N | 19,778 | $ 10,827.99 | $ 0.54748 | $ 10,827.99 | Residents |
| | TRANSCO | 2-6 | N | 16,430 | $ 8,995.27 | $ 0.54749 | $ 8,995.27 | Sprague |
| | TRANSCO | 2-6 | N | 32,767 | $ 17,939.39 | $ 0.54748 | $ 17,939.39 | Direct Energy |
| | TRANSCO | 2-6 | N | 50,468 | $ 27,630.30 | $ 0.54748 | $ 27,630.30 | SFE Energy |
| | TRANSCO | 2-6 | N | 78,337 | $ 42,887.88 | $ 0.54748 | $ 42,887.88 | Direct Energy |
| | TRANSCO | 2-6 | N | 99,851 | $ 54,666.33 | $ 0.54748 | $ 54,666.33 | UGI Energy |
| | TRANSCO | 2-6 | N | 79,422 | $ 43,481.84 | $ 0.54748 | $ 43,481.84 | Constellation |
| | TRANSCO | 1-3 | N | 310,000 | $ 124,000.00 | $ 0.40000 | $ 124,000.00 | Tenaska |
| | TRANSCO | 1-3 | N | 310,000 | $ 108,500.00 | $ 0.35000 | $ 108,500.00 | Castleton |
| | TRANSCO | 3-6 | N | 620,000 | $ 138,880.00 | $ 0.22400 | $ 138,880.00 | Castleton |
| | TRANSCO | 2-3 | N | 310,000 | $ 46,810.00 | $ 0.15100 | $ 46,810.00 | Hartree |
| | TRANSCO | 2-3 | N | 155,000 | $ 18,600.00 | $ 0.12000 | $ 18,600.00 | Colonial |
| | TRANSCO | 3-6 | N | 620,000 | $ 136,400.00 | $ 0.22000 | $ 136,400.00 | Shell |
| | TRANSCO | 3-5 | N | 930,000 | $ - | $ - | $ - | Tioga LNG LLC |
| | TRANSCO | 3-3 | N | 475,000 | $ - | $ - | $ - | Tioga LNG LLC |
| | | | | 4,238,865 | | | $ 851,782.66 | |
| | | | | | | | | |

| Philadelphia Gas Works | | | | | | | | Schedule 4 |
|---|---|---|---|---|---|---|---|---|
| Pennsylvania Public Utilities Commission | | | | | | | | Page 8 of 12 |
| 52 Pa. Code §53.61, et seq. | | | | | | | | Item 53.64(C)(7) |
| For the Twelve Months Ending December 31, 2023 | | | | | | | | |
| | | | | MONTHLY | TOTAL | | | |
| | | | RECALL | VOLUME | MONTHLY | CREDIT | TOTAL | REPLACEMENT |
| M / YR | PIPELINE | PATH | STATUS | DTH | CREDIT | DTH | CREDIT | SHIPPER |
| August-23 | TETCO | STX - M3 | N | 77,996 | $ 56,599.97 | $ 0.7257 | $ 56,599.97 | Constellation |
| | TETCO | STX - M3 | N | 3,038 | $ 2,201.78 | $ 0.7247 | $ 2,201.78 | Direct Energy |
| | TETCO | STX - M3 | N | 1,798 | $ 1,301.96 | $ 0.7241 | $ 1,301.96 | Direct Energy |
| | TETCO | STX - M3 | N | 32,829 | $ 23,824.79 | $ 0.7257 | $ 23,824.79 | Direct Energy |
| | TETCO | STX - M3 | N | 9,734 | $ 7,062.18 | $ 0.7255 | $ 7,062.18 | Vista Energy |
| | TETCO | STX - M3 | N | 2,604 | $ 1,888.23 | $ 0.7251 | $ 1,888.23 | Shipley |
| | TETCO | STX - M3 | N | 403 | $ 293.14 | $ 0.7274 | $ 293.14 | City Power |
| | TETCO | STX - M3 | N | 8,432 | $ 6,121.55 | $ 0.7260 | $ 6,121.55 | American Power |
| | TETCO | STX - M3 | N | 1,054 | $ 763.45 | $ 0.7243 | $ 763.45 | Park Power |
| | TETCO | STX - M3 | N | 48,794 | $ 35,406.46 | $ 0.7256 | $ 35,406.46 | SFE Energy |
| | TETCO | STX - M3 | N | 2,542 | $ 1,847.42 | $ 0.7268 | $ 1,847.42 | Statewise |
| | TETCO | STX - M3 | N | 620 | $ 449.91 | $ 0.7257 | $ 449.91 | South Bay |
| | TETCO | STX - M3 | N | 279 | $ 204.54 | $ 0.7331 | $ 204.54 | Alpha Gas |
| | TETCO | STX - M3 | N | 1,364 | $ 988.40 | $ 0.7246 | $ 988.40 | New Wave Energy |
| | TETCO | STX - M3 | N | 5,084 | $ 3,687.86 | $ 0.7254 | $ 3,687.86 | Palmco |
| | TETCO | STX - M3 | N | 1,705 | $ 1,240.73 | $ 0.7277 | $ 1,240.73 | Nordic Energy |
| | TETCO | STX - M3 | N | 9,362 | $ 6,796.40 | $ 0.7260 | $ 6,796.40 | UET |
| | TETCO | STX - M3 | N | 97,960 | $ 71,085.64 | $ 0.7257 | $ 71,085.64 | UGI Energy |
| | TETCO | STX - M3 | N | 2,077 | $ 1,506.50 | $ 0.7253 | $ 1,506.50 | EDF Trading |
| | TETCO | STX - M3 | N | 1,023 | $ 743.05 | $ 0.7263 | $ 743.05 | Spark Energy |
| | TETCO | STX - M3 | N | 15,469 | $ 11,227.31 | $ 0.7258 | $ 11,227.31 | Sprague |
| | TETCO | STX - M3 | N | 88,815 | $ 64,452.97 | $ 0.7257 | $ 64,452.97 | Direct Energy |
| | TETCO | STX - M3 | N | 11,408 | $ 8,275.56 | $ 0.7254 | $ 8,275.56 | Energo |
| | TETCO | STX - M3 | N | 16,802 | $ 12,195.32 | $ 0.7258 | $ 12,195.32 | WGL Energy |
| | TETCO | STX - M3 | N | 465 | $ 340.91 | $ 0.7331 | $ 340.91 | Clearview Electric |
| | TETCO | STX - M3 | N | 21,204 | $ 15,385.50 | $ 0.7256 | $ 15,385.50 | Inspire |
| | TETCO | STX - M3 | N | 3,906 | $ 2,835.83 | $ 0.7260 | $ 2,835.83 | Atlantic Energy |
| | TETCO | STX - M3 | N | 1,023 | $ 743.05 | $ 0.7263 | $ 743.05 | RPA Energy |
| | TETCO | STX - M3 | N | 465 | $ 340.91 | $ 0.7331 | $ 340.91 | Spring |
| | TETCO | STX - M3 | N | 19,499 | $ 14,151.73 | $ 0.7258 | $ 14,151.73 | Residents |
| | TETCO | STX - M3 | N | 1,085 | $ 790.81 | $ 0.7289 | $ 790.81 | Eligo Energy |
| | TETCO | STX - M3 | N | 1,457 | $ 1,056.59 | $ 0.7252 | $ 1,056.59 | Median Energy |
| | TETCO | STX - M3 | N | 18,135 | $ 13,163.31 | $ 0.7259 | $ 13,163.31 | MPower |
| | TETCO | STX - M3 | N | 744 | $ 538.51 | $ 0.7238 | $ 538.51 | Greenlight |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | TETCO | STX - M3 | N | 1,178 | $ 852.04 | $ 0.7233 | $ 852.04 | Santanna |
| | TETCO | STX - M3 | N | 93,000 | $ 14,880.00 | $ 0.1600 | $ 14,880.00 | Tenaska |
| | TETCO | STX - M3 | N | 486,948 | $ 102,259.08 | $ 0.2100 | $ 102,259.08 | Tenaska |
| | TETCO | WLA - M3 | N | 558,000 | $ 137,156.39 | $ 0.2458 | $ 137,156.39 | Grays Ferry |
| | TETCO | WLA - M3 | N | 558,000 | $ 137,156.39 | $ 0.2458 | $ 137,156.39 | Grays Ferry |
| | | | | 2,206,301 | | | $ 761,816.17 | |
| | | | | | | | | |
| | TRANSCO | 2-6 | N | 1,488 | $ 814.37 | $ 0.54729 | $ 814.37 | Median Energy |
| | TRANSCO | 2-6 | N | 496 | $ 271.56 | $ 0.54750 | $ 271.56 | Clearview Electric |
| | TRANSCO | 2-6 | N | 1,209 | $ 661.85 | $ 0.54744 | $ 661.85 | Santanna |
| | TRANSCO | 2-6 | N | 310 | $ 169.57 | $ 0.54700 | $ 169.57 | Alpha Gas |
| | TRANSCO | 2-6 | N | 496 | $ 271.56 | $ 0.54750 | $ 271.56 | Spring |
| | TRANSCO | 2-6 | N | 1,395 | $ 763.53 | $ 0.54733 | $ 763.53 | New Wave Energy |
| | TRANSCO | 2-6 | N | 32,829 | $ 17,973.49 | $ 0.54749 | $ 17,973.49 | NRG |
| | TRANSCO | 2-6 | N | 9,393 | $ 5,142.59 | $ 0.54749 | $ 5,142.59 | UET |
| | TRANSCO | 2-6 | N | 1,085 | $ 593.96 | $ 0.54743 | $ 593.96 | Eligo Energy |
| | TRANSCO | 2-6 | N | 1,798 | $ 984.56 | $ 0.54759 | $ 984.56 | NRG |
| | TRANSCO | 2-6 | N | 1,023 | $ 559.86 | $ 0.54727 | $ 559.86 | RPA Energy |
| | TRANSCO | 2-6 | N | 775 | $ 424.08 | $ 0.54720 | $ 424.08 | Greenlight |
| | TRANSCO | 2-6 | N | 3,069 | $ 1,680.20 | $ 0.54747 | $ 1,680.20 | NRG |
| | TRANSCO | 2-6 | N | 1,054 | $ 576.91 | $ 0.54735 | $ 576.91 | Spark Energy |
| | TRANSCO | 2-6 | N | 88,815 | $ 48,624.43 | $ 0.54748 | $ 48,624.43 | NRG |
| | TRANSCO | 2-6 | N | 1,085 | $ 593.96 | $ 0.54743 | $ 593.96 | Park Power |
| | TRANSCO | 2-6 | N | 2,077 | $ 1,137.39 | $ 0.54761 | $ 1,137.39 | EDF Trading |
| | TRANSCO | 2-6 | N | 2,604 | $ 1,425.69 | $ 0.54750 | $ 1,425.69 | Shipley |
| | TRANSCO | 2-6 | N | 2,542 | $ 1,391.90 | $ 0.54756 | $ 1,391.90 | Statewise |
| | TRANSCO | 2-6 | N | 8,463 | $ 4,633.26 | $ 0.54747 | $ 4,633.26 | American Power |
| | TRANSCO | 2-6 | N | 11,408 | $ 6,245.57 | $ 0.54747 | $ 6,245.57 | Energo |
| | TRANSCO | 2-6 | N | 3,937 | $ 2,155.43 | $ 0.54748 | $ 2,155.43 | Atlantic Energy |
| | TRANSCO | 2-6 | N | 1,736 | $ 950.46 | $ 0.54750 | $ 950.46 | Nordic Energy |
| | TRANSCO | 2-6 | N | 5,115 | $ 2,800.23 | $ 0.54745 | $ 2,800.23 | Palmco |
| | TRANSCO | 2-6 | N | 9,765 | $ 5,346.26 | $ 0.54749 | $ 5,346.26 | Vista Energy |
| | TRANSCO | 2-6 | N | 16,833 | $ 9,215.68 | $ 0.54748 | $ 9,215.68 | WGL Energy |
| | TRANSCO | 2-6 | N | 18,135 | $ 9,928.37 | $ 0.54747 | $ 9,928.37 | MPower |
| | TRANSCO | 2-6 | N | 15,500 | $ 8,486.25 | $ 0.54750 | $ 8,486.25 | Sprague |
| | TRANSCO | 2-6 | N | 19,499 | $ 10,675.47 | $ 0.54749 | $ 10,675.47 | Residents |
| | TRANSCO | 2-6 | N | 620 | $ 339.45 | $ 0.54750 | $ 339.45 | South Bay |
| | TRANSCO | 2-6 | N | 48,794 | $ 26,713.63 | $ 0.54748 | $ 26,713.63 | SFE Energy |
| | TRANSCO | 2-6 | N | 21,235 | $ 11,625.62 | $ 0.54747 | $ 11,625.62 | Inspire |
| | TRANSCO | 2-6 | N | 97,960 | $ 53,630.93 | $ 0.54748 | $ 53,630.93 | UGI Energy |
| | TRANSCO | 2-6 | N | 77,996 | $ 42,701.26 | $ 0.54748 | $ 42,701.26 | Constellation |
| | TRANSCO | 2-6 | N | 434 | $ 237.46 | $ 0.54714 | $ 237.46 | City Power |
| | TRANSCO | 1-3 | N | 310,000 | $ 124,000.00 | $ 0.40000 | $ 124,000.00 | Tenaska |
| | TRANSCO | 1-3 | N | 310,000 | $ 108,500.00 | $ 0.35000 | $ 108,500.00 | Castleton |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | TRANSCO | 3-6 | N | 620,000 | $ 138,880.00 | $ 0.22400 | $ 138,880.00 | Castleton |
| | TRANSCO | 2-3 | N | 155,000 | $ 18,600.00 | $ 0.12000 | $ 18,600.00 | Colonial |
| | TRANSCO | 3-6 | N | 620,000 | $ 136,400.00 | $ 0.22000 | $ 136,400.00 | Shell |
| | TRANSCO | 2-3 | N | 310,000 | $ 46,810.00 | $ 0.15100 | $ 46,810.00 | Hartree |
| | TRANSCO | 3-5 | N | 930,000 | $ - | $ - | $ - | Tioga LNG LLC |
| | TRANSCO | 3-3 | N | 775,000 | $ - | $ - | $ - | Tioga LNG LLC |
| | TRANSCO | 5-5 | N | 390,000 | $ - | $ - | $ - | Tioga LNG LLC |
| | | | | 4,930,973 | | | $ 852,936.79 | |
| | | | | | | | | |
| **Philadelphia Gas Works** | | | | | | | | **Schedule 4** |
| **Pennsylvania Public Utilities Commission** | | | | | | | | **Page 9 of 12** |
| **52 Pa. Code §53.61, et seq.** | | | | | | | | **Item 53.64(C)(7)** |
| **For the Twelve Months Ending December 31, 2023** | | | | | | | | |
| | | | | | | | | |
| | | | | **MONTHLY** | **TOTAL** | | | |
| | | | **RECALL** | **VOLUME** | **MONTHLY** | **CREDIT** | **TOTAL** | **REPLACEMENT** |
| **M / YR** | **PIPELINE** | **PATH** | **STATUS** | **DTH** | **CREDIT** | **DTH** | **CREDIT** | **SHIPPER** |
| | | | | | | | | |
| **September-23** | TETCO | STX - M3 | N | 9,030 | $ 6,550.69 | $ 0.7254 | $ 6,550.69 | Vista Energy |
| | TETCO | STX - M3 | N | 4,770 | $ 3,463.42 | $ 0.7261 | $ 3,463.42 | Palmco |
| | TETCO | STX - M3 | N | 8,010 | $ 5,811.87 | $ 0.7256 | $ 5,811.87 | American Power |
| | TETCO | STX - M3 | N | 750 | $ 547.63 | $ 0.7302 | $ 547.63 | Eligo Energy |
| | TETCO | STX - M3 | N | 1,470 | $ 1,068.74 | $ 0.7270 | $ 1,068.74 | Nordic Energy |
| | TETCO | STX - M3 | N | 450 | $ 329.93 | $ 0.7332 | $ 329.93 | Clearview Electric |
| | TETCO | STX - M3 | N | 44,790 | $ 32,502.98 | $ 0.7257 | $ 32,502.98 | SFE Energy |
| | TETCO | STX - M3 | N | 2,310 | $ 1,675.61 | $ 0.7254 | $ 1,675.61 | Statewise |
| | TETCO | STX - M3 | N | 14,460 | $ 10,495.73 | $ 0.7258 | $ 10,495.73 | WGL Energy |
| | TETCO | STX - M3 | N | 450 | $ 329.93 | $ 0.7332 | $ 329.93 | Spring |
| | TETCO | STX - M3 | N | 18,300 | $ 13,279.58 | $ 0.7257 | $ 13,279.58 | Residents |
| | TETCO | STX - M3 | N | 1,320 | $ 956.52 | $ 0.7246 | $ 956.52 | Median Energy |
| | TETCO | STX - M3 | N | 3,720 | $ 2,698.10 | $ 0.7253 | $ 2,698.10 | Atlantic Energy |
| | TETCO | STX - M3 | N | 2,460 | $ 1,787.81 | $ 0.7268 | $ 1,787.81 | Shipley |
| | TETCO | STX - M3 | N | 960 | $ 699.32 | $ 0.7285 | $ 699.32 | Park Power |
| | TETCO | STX - M3 | N | 720 | $ 521.12 | $ 0.7238 | $ 521.12 | Greenlight |
| | TETCO | STX - M3 | N | 450 | $ 329.93 | $ 0.7332 | $ 329.93 | City Power |
| | TETCO | STX - M3 | N | 18,120 | $ 13,147.60 | $ 0.7256 | $ 13,147.60 | Inspire |
| | TETCO | STX - M3 | N | 540 | $ 389.17 | $ 0.7207 | $ 389.17 | South Bay |
| | TETCO | STX - M3 | N | 240 | $ 171.47 | $ 0.7145 | $ 171.47 | Alpha Gas |
| | TETCO | STX - M3 | N | 13,770 | $ 9,994.36 | $ 0.7258 | $ 9,994.36 | Sprague |
| | TETCO | STX - M3 | N | 69,840 | $ 50,677.41 | $ 0.7256 | $ 50,677.41 | Constellation |
| | TETCO | STX - M3 | N | 17,850 | $ 12,956.42 | $ 0.7258 | $ 12,956.42 | MPower |
| | TETCO | STX - M3 | N | 2,310 | $ 1,675.61 | $ 0.7254 | $ 1,675.61 | New Wave Energy |
| | TETCO | STX - M3 | N | 1,110 | $ 804.81 | $ 0.7251 | $ 804.81 | Santanna |

Tab 06

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | TETCO | STX - M3 | N | 3,030 | $ 2,196.73 | $ 0.7250 | $ 2,196.73 | NRG |
| | TETCO | STX - M3 | N | 1,740 | $ 1,259.96 | $ 0.7241 | $ 1,259.96 | NRG |
| | TETCO | STX - M3 | N | 960 | $ 699.32 | $ 0.7285 | $ 699.32 | Spark Energy |
| | TETCO | STX - M3 | N | 10,650 | $ 7,731.66 | $ 0.7260 | $ 7,731.66 | Energo |
| | TETCO | STX - M3 | N | 31,380 | $ 22,772.57 | $ 0.7257 | $ 22,772.57 | NRG |
| | TETCO | STX - M3 | N | 88,800 | $ 64,438.61 | $ 0.7257 | $ 64,438.61 | NRG |
| | TETCO | STX - M3 | N | 1,080 | $ 785.06 | $ 0.7269 | $ 785.06 | RPA Energy |
| | TETCO | STX - M3 | N | 90,420 | $ 65,612.83 | $ 0.7256 | $ 65,612.83 | UGI Energy |
| | TETCO | STX - M3 | N | 1,950 | $ 1,418.42 | $ 0.7274 | $ 1,418.42 | EDF Trading |
| | TETCO | STX - M3 | N | 12,150 | $ 8,820.15 | $ 0.7259 | $ 8,820.15 | UET |
| | TETCO | STX - M1 | N | 290,000 | $ 29,000.00 | $ 0.1000 | $ 29,000.00 | Southwest |
| | TETCO | STX - M3 | N | 90,000 | $ 14,400.00 | $ 0.1600 | $ 14,400.00 | Tenaska |
| | TETCO | STX - M3 | N | 471,240 | $ 98,960.40 | $ 0.2100 | $ 98,960.40 | Tenaska |
| | TETCO | WLA - M3 | N | 540,000 | $ 111,186.02 | $ 0.2059 | $ 111,186.02 | Grays Ferry |
| | TETCO | WLA - M3 | N | 540,000 | $ 111,186.02 | $ 0.2059 | $ 111,186.02 | Grays Ferry |
| | | | | 2,411,600 | | | $ 713,333.51 | |
| | | | | | | | | |
| | TRANSCO | 2-6 | N | 270 | $ 147.90 | $ 0.54778 | $ 147.90 | Alpha Gas |
| | TRANSCO | 2-6 | N | 450 | $ 246.30 | $ 0.54733 | $ 246.30 | Spring |
| | TRANSCO | 2-6 | N | 480 | $ 262.80 | $ 0.54750 | $ 262.80 | Clearview Electric |
| | TRANSCO | 2-6 | N | 480 | $ 262.80 | $ 0.54750 | $ 262.80 | City Power |
| | TRANSCO | 2-6 | N | 540 | $ 295.50 | $ 0.54722 | $ 295.50 | South Bay |
| | TRANSCO | 2-6 | N | 720 | $ 394.20 | $ 0.54750 | $ 394.20 | Greenlight |
| | TRANSCO | 2-6 | N | 780 | $ 426.90 | $ 0.54731 | $ 426.90 | Eligo Energy |
| | TRANSCO | 2-6 | N | 960 | $ 525.60 | $ 0.54750 | $ 525.60 | Park Power |
| | TRANSCO | 2-6 | N | 990 | $ 541.80 | $ 0.54727 | $ 541.80 | Spark Energy |
| | TRANSCO | 2-6 | N | 1,080 | $ 591.30 | $ 0.54750 | $ 591.30 | RPA Energy |
| | TRANSCO | 2-6 | N | 1,140 | $ 624.00 | $ 0.54737 | $ 624.00 | Santanna |
| | TRANSCO | 2-6 | N | 1,320 | $ 722.70 | $ 0.54750 | $ 722.70 | Median Energy |
| | TRANSCO | 2-6 | N | 1,500 | $ 821.10 | $ 0.54740 | $ 821.10 | Nordic Energy |
| | TRANSCO | 2-6 | N | 1,740 | $ 952.80 | $ 0.54759 | $ 952.80 | NRG |
| | TRANSCO | 2-6 | N | 1,980 | $ 1,084.20 | $ 0.54758 | $ 1,084.20 | EDF Trading |
| | TRANSCO | 2-6 | N | 2,340 | $ 1,281.30 | $ 0.54756 | $ 1,281.30 | Statewise |
| | TRANSCO | 2-6 | N | 2,340 | $ 1,281.30 | $ 0.54756 | $ 1,281.30 | New Wave Energy |
| | TRANSCO | 2-6 | N | 2,490 | $ 1,363.20 | $ 0.54747 | $ 1,363.20 | Shipley |
| | TRANSCO | 2-6 | N | 3,030 | $ 1,659.00 | $ 0.54752 | $ 1,659.00 | NRG |
| | TRANSCO | 2-6 | N | 3,720 | $ 2,036.70 | $ 0.54750 | $ 2,036.70 | Atlantic Energy |
| | TRANSCO | 2-6 | N | 4,770 | $ 2,611.50 | $ 0.54748 | $ 2,611.50 | Palmco |
| | TRANSCO | 2-6 | N | 8,040 | $ 4,401.60 | $ 0.54746 | $ 4,401.60 | American Power |
| | TRANSCO | 2-6 | N | 9,030 | $ 4,943.70 | $ 0.54748 | $ 4,943.70 | Vista Energy |
| | TRANSCO | 2-6 | N | 10,650 | $ 5,830.50 | $ 0.54746 | $ 5,830.50 | Energo |
| | TRANSCO | 2-6 | N | 12,180 | $ 6,668.40 | $ 0.54749 | $ 6,668.40 | UET |
| | TRANSCO | 2-6 | N | 13,800 | $ 7,555.20 | $ 0.54748 | $ 7,555.20 | Sprague |
| | TRANSCO | 2-6 | N | 14,490 | $ 7,932.90 | $ 0.54747 | $ 7,932.90 | WGL Energy |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | TRANSCO | 2-6 | N | 17,880 | $ 9,788.70 | $ 0.54747 | $ 9,788.70 | MPower |
| | TRANSCO | 2-6 | N | 18,150 | $ 9,936.60 | $ 0.54747 | $ 9,936.60 | Inspire |
| | TRANSCO | 2-6 | N | 18,300 | $ 10,018.80 | $ 0.54748 | $ 10,018.80 | Residents |
| | TRANSCO | 2-6 | N | 31,410 | $ 17,196.30 | $ 0.54748 | $ 17,196.30 | NRG |
| | TRANSCO | 2-6 | N | 44,820 | $ 24,537.90 | $ 0.54748 | $ 24,537.90 | SFE Energy |
| | TRANSCO | 2-6 | N | 69,840 | $ 38,235.90 | $ 0.54748 | $ 38,235.90 | Constellation |
| | TRANSCO | 2-6 | N | 88,830 | $ 48,632.70 | $ 0.54748 | $ 48,632.70 | NRG |
| | TRANSCO | 2-6 | N | 90,450 | $ 49,519.50 | $ 0.54748 | $ 49,519.50 | UGI Energy |
| | TRANSCO | 1-3 | N | 300,000 | $ 120,000.00 | $ 0.40000 | $ 120,000.00 | Tenaska |
| | TRANSCO | 1-3 | N | 300,000 | $ 105,000.00 | $ 0.35000 | $ 105,000.00 | Castleton |
| | TRANSCO | 3-6 | N | 600,000 | $ 134,400.00 | $ 0.22400 | $ 134,400.00 | Castleton |
| | TRANSCO | 2-3 | N | 150,000 | $ 18,000.00 | $ 0.12000 | $ 18,000.00 | Colonial |
| | TRANSCO | 3-6 | N | 600,000 | $ 132,000.00 | $ 0.22000 | $ 132,000.00 | Shell |
| | TRANSCO | 2-3 | N | 300,000 | $ 45,300.00 | $ 0.15100 | $ 45,300.00 | Hartree |
| | TRANSCO | 2-3 | N | 224,000 | $ 8,960.00 | $ 0.04000 | $ 8,960.00 | Tioga LNG LLC |
| | TRANSCO | 3-5 | N | 900,000 | $ - | $ - | $ - | Tioga LNG LLC |
| | TRANSCO | 3-3 | N | 750,000 | $ - | $ - | $ - | Tioga LNG LLC |
| | | | | 4,604,990 | | | $ 826,991.60 | |

**Philadelphia Gas Works** **Schedule 4**

**Pennsylvania Public Utilities Commission** **Page 10 of 12**

**52 Pa. Code §53.61, et seq.** **Item 53.64(C)(7)**

**For the Twelve Months Ending December 31, 2023**

| | | | | MONTHLY | TOTAL | | | |
|---|---|---|---|---|---|---|---|---|
| | | | RECALL | VOLUME | MONTHLY | CREDIT | TOTAL | REPLACEMENT |
| M / YR | PIPELINE | PATH | STATUS | DTH | CREDIT | DTH | CREDIT | SHIPPER |
| **October-23** | TETCO | STX - M3 | N | 87,513 | $ 63,505.37 | $ 0.7257 | $ 63,505.37 | UGI Energy |
| | TETCO | STX - M3 | N | 9,269 | $ 6,728.22 | $ 0.7259 | $ 6,728.22 | Vista Energy |
| | TETCO | STX - M3 | N | 18,135 | $ 13,163.31 | $ 0.7259 | $ 13,163.31 | MPower |
| | TETCO | STX - M3 | N | 10,075 | $ 7,307.55 | $ 0.7253 | $ 7,307.55 | Sprague |
| | TETCO | STX - M3 | N | 806 | $ 586.28 | $ 0.7274 | $ 586.28 | Park Power |
| | TETCO | STX - M3 | N | 3,844 | $ 2,788.05 | $ 0.7253 | $ 2,788.05 | Atlantic Energy |
| | TETCO | STX - M3 | N | 744 | $ 538.51 | $ 0.7238 | $ 538.51 | Greenlight |
| | TETCO | STX - M3 | N | 12,338 | $ 8,950.42 | $ 0.7254 | $ 8,950.42 | WGL Energy |
| | TETCO | STX - M3 | N | 7,812 | $ 5,671.63 | $ 0.7260 | $ 5,671.63 | American Power |
| | TETCO | STX - M3 | N | 186 | $ 136.36 | $ 0.7331 | $ 136.36 | Alpha Gas |
| | TETCO | STX - M3 | N | 3,286 | $ 2,385.90 | $ 0.7261 | $ 2,385.90 | NRG |
| | TETCO | STX - M3 | N | 1,829 | $ 1,329.33 | $ 0.7268 | $ 1,329.33 | NRG |
| | TETCO | STX - M3 | N | 32,457 | $ 23,552.05 | $ 0.7256 | $ 23,552.05 | NRG |
| | TETCO | STX - M3 | N | 88,226 | $ 64,023.47 | $ 0.7257 | $ 64,023.47 | NRG |
| | TETCO | STX - M3 | N | 496 | $ 361.32 | $ 0.7285 | $ 361.32 | Spring |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | TETCO | STX - M3 | N | 17,918 | $ | 12,999.59 | $ 0.7255 | $ | 12,999.59 | Residents |
| | TETCO | STX - M3 | N | 1,271 | $ | 920.21 | $ 0.7240 | $ | 920.21 | Median Energy |
| | TETCO | STX - M3 | N | 55,273 | $ | 40,110.11 | $ 0.7257 | $ | 40,110.11 | Constellation |
| | TETCO | STX - M3 | N | 45,260 | $ | 32,843.37 | $ 0.7257 | $ | 32,843.37 | SFE Energy |
| | TETCO | STX - M3 | N | 2,356 | $ | 1,711.04 | $ 0.7262 | $ | 1,711.04 | Statewise |
| | TETCO | STX - M3 | N | 2,201 | $ | 1,595.10 | $ 0.7247 | $ | 1,595.10 | New Wave Energy |
| | TETCO | STX - M3 | N | 1,271 | $ | 920.21 | $ 0.7240 | $ | 920.21 | Spark Energy |
| | TETCO | STX - M3 | N | 496 | $ | 361.32 | $ 0.7285 | $ | 361.32 | Clearview Electric |
| | TETCO | STX - M3 | N | 930 | $ | 674.86 | $ 0.7257 | $ | 674.86 | RPA Energy |
| | TETCO | STX - M3 | N | 4,619 | $ | 3,353.92 | $ 0.7261 | $ | 3,353.92 | Palmco |
| | TETCO | STX - M3 | N | 5,704 | $ | 4,137.77 | $ 0.7254 | $ | 4,137.77 | Energo |
| | TETCO | STX - M3 | N | 806 | $ | 586.28 | $ 0.7274 | $ | 586.28 | Eligo Energy |
| | TETCO | STX - M3 | N | 1,426 | $ | 1,036.18 | $ 0.7266 | $ | 1,036.18 | Nordic Energy |
| | TETCO | STX - M3 | N | 1,178 | $ | 852.04 | $ 0.7233 | $ | 852.04 | Santanna |
| | TETCO | STX - M3 | N | 2,604 | $ | 1,888.23 | $ 0.7251 | $ | 1,888.23 | Shipley |
| | TETCO | STX - M3 | N | 16,058 | $ | 11,649.86 | $ 0.7255 | $ | 11,649.86 | Inspire |
| | TETCO | STX - M3 | N | 496 | $ | 361.32 | $ 0.7285 | $ | 361.32 | City Power |
| | TETCO | STX - M3 | N | 11,005 | $ | 7,989.37 | $ 0.7260 | $ | 7,989.37 | UET |
| | TETCO | STX - M3 | N | 2,046 | $ | 1,486.10 | $ 0.7263 | $ | 1,486.10 | Riverbend |
| | TETCO | STX - M3 | N | 496 | $ | 361.32 | $ 0.7285 | $ | 361.32 | South Bay |
| | TETCO | STX - M1 | N | 310,000 | $ | 34,100.00 | $ 0.1100 | $ | 34,100.00 | Six One Commodities |
| | TETCO | STX - M3 | N | 93,000 | $ | 14,880.00 | $ 0.1600 | $ | 14,880.00 | Tenaska |
| | TETCO | STX - M3 | N | 486,948 | $ | 102,259.08 | $ 0.2100 | $ | 102,259.08 | Tenaska |
| | TETCO | WLA - M3 | N | 558,000 | $ | 36,270.00 | $ 0.0650 | $ | 36,270.00 | Vitol |
| | TETCO | WLA - M3 | N | 558,000 | $ | 34,038.00 | $ 0.0610 | $ | 34,038.00 | Spotlight |
| | | | | 2,456,378 | | | | $ | 548,413.05 | |
| | | | | | | | | | | |
| | TRANSCO | 2-6 | N | 217 | $ | 118.73 | $ 0.54714 | $ | 118.73 | Alpha Gas |
| | TRANSCO | 2-6 | N | 496 | $ | 271.56 | $ 0.54750 | $ | 271.56 | South Bay |
| | TRANSCO | 2-6 | N | 496 | $ | 271.56 | $ 0.54750 | $ | 271.56 | Clearview Electric |
| | TRANSCO | 2-6 | N | 496 | $ | 271.56 | $ 0.54750 | $ | 271.56 | City Power |
| | TRANSCO | 2-6 | N | 527 | $ | 288.61 | $ 0.54765 | $ | 288.61 | Spring |
| | TRANSCO | 2-6 | N | 744 | $ | 407.34 | $ 0.54750 | $ | 407.34 | Greenlight |
| | TRANSCO | 2-6 | N | 806 | $ | 441.13 | $ 0.54731 | $ | 441.13 | Eligo Energy |
| | TRANSCO | 2-6 | N | 837 | $ | 458.18 | $ 0.54741 | $ | 458.18 | Park Power |
| | TRANSCO | 2-6 | N | 961 | $ | 526.07 | $ 0.54742 | $ | 526.07 | RPA Energy |
| | TRANSCO | 2-6 | N | 1,178 | $ | 644.80 | $ 0.54737 | $ | 644.80 | Santanna |
| | TRANSCO | 2-6 | N | 1,271 | $ | 695.64 | $ 0.54732 | $ | 695.64 | Median Energy |
| | TRANSCO | 2-6 | N | 1,302 | $ | 712.69 | $ 0.54738 | $ | 712.69 | Spark Energy |
| | TRANSCO | 2-6 | N | 1,426 | $ | 780.58 | $ 0.54739 | $ | 780.58 | Nordic Energy |
| | TRANSCO | 2-6 | N | 1,860 | $ | 1,018.35 | $ 0.54750 | $ | 1,018.35 | NRG |
| | TRANSCO | 2-6 | N | 2,077 | $ | 1,137.39 | $ 0.54761 | $ | 1,137.39 | Riverbend |
| | TRANSCO | 2-6 | N | 2,201 | $ | 1,204.97 | $ 0.54746 | $ | 1,204.97 | New Wave Energy |
| | TRANSCO | 2-6 | N | 2,387 | $ | 1,306.96 | $ 0.54753 | $ | 1,306.96 | Statewise |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | TRANSCO | 2-6 | N | 2,604 | $ 1,425.69 | $ 0.54750 | $ 1,425.69 | Shipley |
| | TRANSCO | 2-6 | N | 3,317 | $ 1,815.98 | $ 0.54748 | $ 1,815.98 | NRG |
| | TRANSCO | 2-6 | N | 3,844 | $ 2,104.59 | $ 0.54750 | $ 2,104.59 | Atlantic Energy |
| | TRANSCO | 2-6 | N | 4,619 | $ 2,528.67 | $ 0.54745 | $ 2,528.67 | Palmco |
| | TRANSCO | 2-6 | N | 5,704 | $ 3,122.94 | $ 0.54750 | $ 3,122.94 | Energo |
| | TRANSCO | 2-6 | N | 7,812 | $ 4,276.76 | $ 0.54746 | $ 4,276.76 | American Power |
| | TRANSCO | 2-6 | N | 9,300 | $ 5,091.75 | $ 0.54750 | $ 5,091.75 | Vista Energy |
| | TRANSCO | 2-6 | N | 10,075 | $ 5,515.83 | $ 0.54748 | $ 5,515.83 | Sprague |
| | TRANSCO | 2-6 | N | 11,036 | $ 6,041.90 | $ 0.54747 | $ 6,041.90 | UET |
| | TRANSCO | 2-6 | N | 12,338 | $ 6,754.90 | $ 0.54749 | $ 6,754.90 | WGL Energy |
| | TRANSCO | 2-6 | N | 16,089 | $ 8,808.65 | $ 0.54750 | $ 8,808.65 | Inspire |
| | TRANSCO | 2-6 | N | 17,949 | $ 9,826.69 | $ 0.54748 | $ 9,826.69 | Residents |
| | TRANSCO | 2-6 | N | 18,166 | $ 9,945.42 | $ 0.54747 | $ 9,945.42 | MPower |
| | TRANSCO | 2-6 | N | 32,488 | $ 17,786.25 | $ 0.54747 | $ 17,786.25 | NRG |
| | TRANSCO | 2-6 | N | 45,260 | $ 24,778.92 | $ 0.54748 | $ 24,778.92 | SFE Energy |
| | TRANSCO | 2-6 | N | 55,304 | $ 30,277.70 | $ 0.54748 | $ 30,277.70 | Constellation |
| | TRANSCO | 2-6 | N | 87,544 | $ 47,928.48 | $ 0.54748 | $ 47,928.48 | UGI Energy |
| | TRANSCO | 2-6 | N | 88,257 | $ 48,319.08 | $ 0.54748 | $ 48,319.08 | NRG |
| | TRANSCO | 3-3 | N | 775,000 | $ 38,750.00 | $ 0.05000 | $ 38,750.00 | Six One Commodities |
| | TRANSCO | 1-3 | N | 310,000 | $ 124,000.00 | $ 0.40000 | $ 124,000.00 | Tenaska |
| | TRANSCO | 1-3 | N | 310,000 | $ 108,500.00 | $ 0.35000 | $ 108,500.00 | Castleton |
| | TRANSCO | 3-6 | N | 620,000 | $ 138,880.00 | $ 0.22400 | $ 138,880.00 | Castleton |
| | TRANSCO | 2-3 | N | 155,000 | $ 18,600.00 | $ 0.12000 | $ 18,600.00 | Colonial |
| | TRANSCO | 3-6 | N | 620,000 | $ 136,400.00 | $ 0.22000 | $ 136,400.00 | Shell |
| | TRANSCO | 2-3 | N | 310,000 | $ 46,810.00 | $ 0.15100 | $ 46,810.00 | Hartree |
| | TRANSCO | 3-5 | N | 930,000 | $ - | $ - | $ - | Tioga LNG LLC |
| | | | | 4,480,988 | | | $ 858,846.32 | |
| | | | | | | | | |
| **Philadelphia Gas Works** | | | | | | | | **Schedule 4** |
| **Pennsylvania Public Utilities Commission** | | | | | | | | **Page 11 of 12** |
| **52 Pa. Code §53.61, et seq.** | | | | | | | | **Item 53.64(C)(7)** |
| **For the Twelve Months Ending December 31, 2023** | | | | | | | | |
| | | | | | | | | |
| | | | | **MONTHLY** | **TOTAL** | | | |
| | | | **RECALL** | **VOLUME** | **MONTHLY** | **CREDIT** | **TOTAL** | **REPLACEMENT** |
| **M / YR** | **PIPELINE** | **PATH** | **STATUS** | **DTH** | **CREDIT** | **DTH** | **CREDIT** | **SHIPPER** |
| | | | | | | | | |
| **November-23** | TETCO | STX - M3 | N | 9,450 | $ 6,860.87 | $ 0.7260 | $ 6,860.87 | American Power |
| | TETCO | STX - M3 | N | 8,940 | $ 6,484.72 | $ 0.7254 | $ 6,484.72 | Vista Energy |
| | TETCO | STX - M3 | N | 540 | $ 389.17 | $ 0.7207 | $ 389.17 | Clearview Electric |
| | TETCO | STX - M3 | N | 3,720 | $ 2,698.10 | $ 0.7253 | $ 2,698.10 | Atlantic Energy |
| | TETCO | STX - M3 | N | 420 | $ 303.43 | $ 0.7225 | $ 303.43 | Spring |
| | TETCO | STX - M3 | N | 19,590 | $ 14,216.34 | $ 0.7257 | $ 14,216.34 | Residents |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | TETCO | STX - M3 | N | 1,230 | $ 890.54 | $ 0.7240 | $ 890.54 | Median Energy |
| | TETCO | STX - M3 | N | 19,380 | $ 14,064.65 | $ 0.7257 | $ 14,064.65 | Sprague |
| | TETCO | STX - M3 | N | 6,420 | $ 4,657.39 | $ 0.7255 | $ 4,657.39 | Palmco |
| | TETCO | STX - M3 | N | 1,560 | $ 1,134.71 | $ 0.7274 | $ 1,134.71 | Nordic Energy |
| | TETCO | STX - M3 | N | 1,020 | $ 738.82 | $ 0.7243 | $ 738.82 | RPA Energy |
| | TETCO | STX - M3 | N | 2,400 | $ 1,741.59 | $ 0.7257 | $ 1,741.59 | New Wave Energy |
| | TETCO | STX - M3 | N | 72,900 | $ 52,900.62 | $ 0.7257 | $ 52,900.62 | Constellation |
| | TETCO | STX - M3 | N | 3,150 | $ 2,289.21 | $ 0.7267 | $ 2,289.21 | NRG |
| | TETCO | STX - M3 | N | 1,680 | $ 1,220.46 | $ 0.7265 | $ 1,220.46 | NRG |
| | TETCO | STX - M3 | N | 32,490 | $ 23,577.36 | $ 0.7257 | $ 23,577.36 | NRG |
| | TETCO | STX - M3 | N | 81,150 | $ 58,890.69 | $ 0.7257 | $ 58,890.69 | NRG |
| | TETCO | STX - M3 | N | 780 | $ 567.37 | $ 0.7274 | $ 567.37 | Eligo Energy |
| | TETCO | STX - M3 | N | 47,250 | $ 34,290.82 | $ 0.7257 | $ 34,290.82 | SFE Energy |
| | TETCO | STX - M3 | N | 2,370 | $ 1,721.84 | $ 0.7265 | $ 1,721.84 | Statewise |
| | TETCO | STX - M3 | N | 18,750 | $ 13,609.51 | $ 0.7258 | $ 13,609.51 | WGL Energy |
| | TETCO | STX - M3 | N | 2,100 | $ 1,523.88 | $ 0.7257 | $ 1,523.88 | Spark Energy |
| | TETCO | STX - M3 | N | 19,440 | $ 14,104.15 | $ 0.7255 | $ 14,104.15 | MPower |
| | TETCO | STX - M3 | N | 101,280 | $ 73,496.20 | $ 0.7257 | $ 73,496.20 | UGI Energy |
| | TETCO | STX - M3 | N | 13,860 | $ 10,060.34 | $ 0.7259 | $ 10,060.34 | UET |
| | TETCO | STX - M3 | N | 1,230 | $ 890.54 | $ 0.7240 | $ 890.54 | Santanna |
| | TETCO | STX - M3 | N | 6,540 | $ 4,743.13 | $ 0.7252 | $ 4,743.13 | Energo |
| | TETCO | STX - M3 | N | 2,430 | $ 1,761.34 | $ 0.7248 | $ 1,761.34 | Shipley |
| | TETCO | STX - M3 | N | 16,950 | $ 12,303.32 | $ 0.7259 | $ 12,303.32 | Inspire |
| | TETCO | STX - M3 | N | 450 | $ 329.93 | $ 0.7332 | $ 329.93 | City Power |
| | TETCO | STX - M3 | N | 720 | $ 521.12 | $ 0.7238 | $ 521.12 | South Bay |
| | TETCO | STX - M3 | N | 240 | $ 171.47 | $ 0.7145 | $ 171.47 | Alpha Gas |
| | TETCO | STX - M3 | N | 690 | $ 501.37 | $ 0.7266 | $ 501.37 | Greenlight |
| | TETCO | STX - M3 | N | 870 | $ 633.35 | $ 0.7280 | $ 633.35 | Park Power |
| | TETCO | STX - M3 | N | 1,890 | $ 1,372.17 | $ 0.7260 | $ 1,372.17 | Riverbend |
| | TETCO | STX - M3 | N | 90,000 | $ 162,450.00 | $ 1.8050 | $ 162,450.00 | Castleton |
| | TETCO | STX - M3 | N | 471,240 | $ 871,746.88 | $ 1.8499 | $ 871,746.88 | Hartree |
| | | | | 1,065,120 | | | $ 1,399,857.40 | |
| | | | | | | | | |
| | TRANSCO | 2-6 | N | 240 | $ 131.40 | $ 0.54750 | $ 131.40 | Alpha Gas |
| | TRANSCO | 2-6 | N | 450 | $ 246.30 | $ 0.54733 | $ 246.30 | Spring |
| | TRANSCO | 2-6 | N | 480 | $ 262.80 | $ 0.54750 | $ 262.80 | City Power |
| | TRANSCO | 2-6 | N | 540 | $ 295.50 | $ 0.54722 | $ 295.50 | Clearview Electric |
| | TRANSCO | 2-6 | N | 720 | $ 394.20 | $ 0.54750 | $ 394.20 | South Bay |
| | TRANSCO | 2-6 | N | 720 | $ 394.20 | $ 0.54750 | $ 394.20 | Greenlight |
| | TRANSCO | 2-6 | N | 780 | $ 426.90 | $ 0.54731 | $ 426.90 | Eligo Energy |
| | TRANSCO | 2-6 | N | 870 | $ 476.10 | $ 0.54724 | $ 476.10 | Park Power |
| | TRANSCO | 2-6 | N | 1,050 | $ 574.80 | $ 0.54743 | $ 574.80 | RPA Energy |
| | TRANSCO | 2-6 | N | 1,260 | $ 689.70 | $ 0.54738 | $ 689.70 | Median Energy |
| | TRANSCO | 2-6 | N | 1,260 | $ 689.70 | $ 0.54738 | $ 689.70 | Santanna |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | TRANSCO | 2-6 | N | 1,560 | $ 853.80 | $ 0.54731 | $ 853.80 | Nordic Energy |
| | TRANSCO | 2-6 | N | 1,680 | $ 919.80 | $ 0.54750 | $ 919.80 | NRG |
| | TRANSCO | 2-6 | N | 1,890 | $ 1,035.00 | $ 0.54762 | $ 1,035.00 | Riverbend |
| | TRANSCO | 2-6 | N | 2,100 | $ 1,149.90 | $ 0.54757 | $ 1,149.90 | Spark Energy |
| | TRANSCO | 2-6 | N | 2,370 | $ 1,297.50 | $ 0.54747 | $ 1,297.50 | Statewise |
| | TRANSCO | 2-6 | N | 2,400 | $ 1,314.00 | $ 0.54750 | $ 1,314.00 | New Wave Energy |
| | TRANSCO | 2-6 | N | 2,430 | $ 1,330.50 | $ 0.54753 | $ 1,330.50 | Shipley |
| | TRANSCO | 2-6 | N | 3,180 | $ 1,740.90 | $ 0.54745 | $ 1,740.90 | NRG |
| | TRANSCO | 2-6 | N | 3,750 | $ 2,052.90 | $ 0.54744 | $ 2,052.90 | Atlantic Energy |
| | TRANSCO | 2-6 | N | 6,450 | $ 3,531.30 | $ 0.54749 | $ 3,531.30 | Palmco |
| | TRANSCO | 2-6 | N | 6,570 | $ 3,597.00 | $ 0.54749 | $ 3,597.00 | Energo |
| | TRANSCO | 2-6 | N | 8,940 | $ 4,894.50 | $ 0.54748 | $ 4,894.50 | Vista Energy |
| | TRANSCO | 2-6 | N | 9,450 | $ 5,173.80 | $ 0.54749 | $ 5,173.80 | American Power |
| | TRANSCO | 2-6 | N | 13,890 | $ 7,604.40 | $ 0.54747 | $ 7,604.40 | UET |
| | TRANSCO | 2-6 | N | 16,980 | $ 9,296.10 | $ 0.54747 | $ 9,296.10 | Inspire |
| | TRANSCO | 2-6 | N | 18,780 | $ 10,281.90 | $ 0.54749 | $ 10,281.90 | WGL Energy |
| | TRANSCO | 2-6 | N | 19,410 | $ 10,626.60 | $ 0.54748 | $ 10,626.60 | Sprague |
| | TRANSCO | 2-6 | N | 19,440 | $ 10,643.10 | $ 0.54748 | $ 10,643.10 | MPower |
| | TRANSCO | 2-6 | N | 19,620 | $ 10,741.50 | $ 0.54748 | $ 10,741.50 | Residents |
| | TRANSCO | 2-6 | N | 32,520 | $ 17,804.10 | $ 0.54748 | $ 17,804.10 | NRG |
| | TRANSCO | 2-6 | N | 47,250 | $ 25,868.40 | $ 0.54748 | $ 25,868.40 | SFE Energy |
| | TRANSCO | 2-6 | N | 72,930 | $ 39,927.90 | $ 0.54748 | $ 39,927.90 | Constellation |
| | TRANSCO | 2-6 | N | 81,150 | $ 44,427.90 | $ 0.54748 | $ 44,427.90 | NRG |
| | TRANSCO | 2-6 | N | 101,310 | $ 55,465.20 | $ 0.54748 | $ 55,465.20 | UGI Energy |
| | TRANSCO | 1-3 | N | 150,000 | $ 45,000.00 | $ 0.30000 | $ 45,000.00 | Koch Energy |
| | TRANSCO | 2-3 | N | 150,000 | $ 25,500.00 | $ 0.17000 | $ 25,500.00 | Shell |
| | TRANSCO | 3-6 | N | 300,000 | $ 628,230.00 | $ 2.09410 | $ 628,230.00 | Castleton |
| | TRANSCO | 3-6 | N | 2,250,000 | $ - | $ - | $ - | Tioga LNG LLC |
| | TRANSCO | 3-6 | N | 750,000 | $ - | $ - | $ - | Tioga LNG LLC |
| | | | | 4,104,420 | | | $ 974,889.60 | |

**Philadelphia Gas Works** **Schedule 4**

**Pennsylvania Public Utilities Commission** **Page 12 of 12**

**52 Pa. Code §53.61, et seq.** **Item 53.64(C)(7)**

**For the Twelve Months Ending December 31, 2023**

| | | | | MONTHLY | TOTAL | | | |
|---|---|---|---|---|---|---|---|---|
| | | | RECALL | VOLUME | MONTHLY | CREDIT | TOTAL | REPLACEMENT |
| M / YR | PIPELINE | PATH | STATUS | DTH | CREDIT | DTH | CREDIT | SHIPPER |
| ESTIMATE | | | | | | | | |
| December-23 | TETCO | STX - M3 | N | 19,375 | $ 14,004.22 | $ 0.7228 | $ 14,004.22 | WGL Energy |
| | TETCO | STX - M3 | N | 21,018 | $ 15,185.24 | $ 0.7225 | $ 15,185.24 | Sprague |
| | TETCO | STX - M3 | N | 9,982 | $ 7,215.98 | $ 0.7229 | $ 7,215.98 | American Power |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | TETCO | STX - M3 | N | 434 | $ 312.23 | $ 0.7194 | $ 312.23 | Spring |
| | TETCO | STX - M3 | N | 19,995 | $ 14,452.25 | $ 0.7228 | $ 14,452.25 | Residents |
| | TETCO | STX - M3 | N | 1,271 | $ 916.36 | $ 0.7210 | $ 916.36 | Median Energy |
| | TETCO | STX - M3 | N | 3,751 | $ 2,708.47 | $ 0.7221 | $ 2,708.47 | Atlantic Energy |
| | TETCO | STX - M3 | N | 527 | $ 380.13 | $ 0.7213 | $ 380.13 | Clearview Electric |
| | TETCO | STX - M3 | N | 744 | $ 536.26 | $ 0.7208 | $ 536.26 | South Bay |
| | TETCO | STX - M3 | N | 9,145 | $ 6,611.83 | $ 0.7230 | $ 6,611.83 | Vista Energy |
| | TETCO | STX - M3 | N | 20,460 | $ 14,784.79 | $ 0.7226 | $ 14,784.79 | MPower |
| | TETCO | STX - M3 | N | 7,037 | $ 5,084.38 | $ 0.7225 | $ 5,084.38 | Palmco |
| | TETCO | STX - M3 | N | 6,758 | $ 4,880.69 | $ 0.7222 | $ 4,880.69 | Energo |
| | TETCO | STX - M3 | N | 806 | $ 583.81 | $ 0.7243 | $ 583.81 | Eligo Energy |
| | TETCO | STX - M3 | N | 1,612 | $ 1,167.64 | $ 0.7243 | $ 1,167.64 | Nordic Energy |
| | TETCO | STX - M3 | N | 2,480 | $ 1,792.10 | $ 0.7226 | $ 1,792.10 | New Wave Energy |
| | TETCO | STX - M3 | N | 3,472 | $ 2,511.70 | $ 0.7234 | $ 2,511.70 | NRG |
| | TETCO | STX - M3 | N | 1,736 | $ 1,255.86 | $ 0.7234 | $ 1,255.86 | NRG |
| | TETCO | STX - M3 | N | 33,790 | $ 24,417.33 | $ 0.7226 | $ 24,417.33 | NRG |
| | TETCO | STX - M3 | N | 83,390 | $ 60,259.27 | $ 0.7226 | $ 60,259.27 | NRG |
| | TETCO | STX - M3 | N | 217 | $ 156.13 | $ 0.7195 | $ 156.13 | Alpha Gas |
| | TETCO | STX - M3 | N | 465 | $ 339.48 | $ 0.7301 | $ 339.48 | City Power |
| | TETCO | STX - M3 | N | 713 | $ 515.91 | $ 0.7236 | $ 515.91 | Greenlight |
| | TETCO | STX - M3 | N | 16,647 | $ 12,028.77 | $ 0.7226 | $ 12,028.77 | Inspire |
| | TETCO | STX - M3 | N | 868 | $ 624.46 | $ 0.7194 | $ 624.46 | Park Power |
| | TETCO | STX - M3 | N | 48,608 | $ 35,122.35 | $ 0.7226 | $ 35,122.35 | SFE Energy |
| | TETCO | STX - M3 | N | 2,418 | $ 1,744.52 | $ 0.7215 | $ 1,744.52 | Statewise |
| | TETCO | STX - M3 | N | 76,880 | $ 55,555.03 | $ 0.7226 | $ 55,555.03 | Constellation |
| | TETCO | STX - M3 | N | 1,271 | $ 916.36 | $ 0.7210 | $ 916.36 | Santanna |
| | TETCO | STX - M3 | N | 105,059 | $ 75,919.82 | $ 0.7226 | $ 75,919.82 | UGI Energy |
| | TETCO | STX - M3 | N | 14,322 | $ 10,352.14 | $ 0.7228 | $ 10,352.14 | UET |
| | TETCO | STX - M3 | N | 2,976 | $ 2,151.89 | $ 0.7231 | $ 2,151.89 | Spark Energy |
| | TETCO | STX - M3 | N | 1,054 | $ 760.26 | $ 0.7213 | $ 760.26 | RPA Energy |
| | TETCO | STX - M3 | N | 2,480 | $ 1,792.10 | $ 0.7226 | $ 1,792.10 | Shipley |
| | TETCO | STX - M3 | N | 1,953 | $ 1,411.96 | $ 0.7230 | $ 1,411.96 | Riverbend |
| | TETCO | STX - M3 | N | 93,000 | $ 167,865.00 | $ 1.8050 | $ 167,865.00 | Castleton |
| | TETCO | STX - M3 | N | 486,948 | $ 900,805.11 | $ 1.8499 | $ 900,805.11 | Hartree |
| | | | | 1,103,662 | | | $ 1,447,121.83 | |
| | | | | | | | | |
| | TRANSCO | 2-6 | N | 248 | $ 135.78 | $ 0.54750 | $ 135.78 | Alpha Gas |
| | TRANSCO | 2-6 | N | 434 | $ 237.46 | $ 0.54714 | $ 237.46 | Spring |
| | TRANSCO | 2-6 | N | 465 | $ 254.51 | $ 0.54733 | $ 254.51 | City Power |
| | TRANSCO | 2-6 | N | 527 | $ 288.61 | $ 0.54765 | $ 288.61 | Clearview Electric |
| | TRANSCO | 2-6 | N | 713 | $ 390.29 | $ 0.54739 | $ 390.29 | Greenlight |
| | TRANSCO | 2-6 | N | 744 | $ 407.34 | $ 0.54750 | $ 407.34 | South Bay |
| | TRANSCO | 2-6 | N | 837 | $ 458.18 | $ 0.54741 | $ 458.18 | Eligo Energy |
| | TRANSCO | 2-6 | N | 899 | $ 491.97 | $ 0.54724 | $ 491.97 | Park Power |

Tab 06

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | TRANSCO | 2-6 | N | 1,085 | $ 593.96 | $ 0.54743 | $ 593.96 | RPA Energy |
| | TRANSCO | 2-6 | N | 1,271 | $ 695.64 | $ 0.54732 | $ 695.64 | Median Energy |
| | TRANSCO | 2-6 | N | 1,302 | $ 712.69 | $ 0.54738 | $ 712.69 | Santanna |
| | TRANSCO | 2-6 | N | 1,643 | $ 899.31 | $ 0.54736 | $ 899.31 | Nordic Energy |
| | TRANSCO | 2-6 | N | 1,736 | $ 950.46 | $ 0.54750 | $ 950.46 | NRG |
| | TRANSCO | 2-6 | N | 1,953 | $ 1,069.50 | $ 0.54762 | $ 1,069.50 | Riverbend |
| | TRANSCO | 2-6 | N | 2,449 | $ 1,340.75 | $ 0.54747 | $ 1,340.75 | Statewise |
| | TRANSCO | 2-6 | N | 2,480 | $ 1,357.80 | $ 0.54750 | $ 1,357.80 | Shipley |
| | TRANSCO | 2-6 | N | 2,480 | $ 1,357.80 | $ 0.54750 | $ 1,357.80 | New Wave Energy |
| | TRANSCO | 2-6 | N | 2,976 | $ 1,629.36 | $ 0.54750 | $ 1,629.36 | Spark Energy |
| | TRANSCO | 2-6 | N | 3,472 | $ 1,900.92 | $ 0.54750 | $ 1,900.92 | NRG |
| | TRANSCO | 2-6 | N | 3,751 | $ 2,053.44 | $ 0.54744 | $ 2,053.44 | Atlantic Energy |
| | TRANSCO | 2-6 | N | 6,789 | $ 3,716.90 | $ 0.54749 | $ 3,716.90 | Energo |
| | TRANSCO | 2-6 | N | 7,068 | $ 3,869.42 | $ 0.54746 | $ 3,869.42 | Palmco |
| | TRANSCO | 2-6 | N | 9,145 | $ 5,006.81 | $ 0.54749 | $ 5,006.81 | Vista Energy |
| | TRANSCO | 2-6 | N | 9,982 | $ 5,464.99 | $ 0.54748 | $ 5,464.99 | American Power |
| | TRANSCO | 2-6 | N | 14,322 | $ 7,840.83 | $ 0.54747 | $ 7,840.83 | UET |
| | TRANSCO | 2-6 | N | 16,647 | $ 9,114.00 | $ 0.54749 | $ 9,114.00 | Inspire |
| | TRANSCO | 2-6 | N | 19,406 | $ 10,624.63 | $ 0.54749 | $ 10,624.63 | WGL Energy |
| | TRANSCO | 2-6 | N | 19,995 | $ 10,947.03 | $ 0.54749 | $ 10,947.03 | Residents |
| | TRANSCO | 2-6 | N | 20,491 | $ 11,218.28 | $ 0.54747 | $ 11,218.28 | MPower |
| | TRANSCO | 2-6 | N | 21,049 | $ 11,523.94 | $ 0.54748 | $ 11,523.94 | Sprague |
| | TRANSCO | 2-6 | N | 33,821 | $ 18,516.30 | $ 0.54748 | $ 18,516.30 | NRG |
| | TRANSCO | 2-6 | N | 48,608 | $ 26,611.95 | $ 0.54748 | $ 26,611.95 | SFE Energy |
| | TRANSCO | 2-6 | N | 76,880 | $ 42,090.25 | $ 0.54748 | $ 42,090.25 | Constellation |
| | TRANSCO | 2-6 | N | 83,421 | $ 45,671.37 | $ 0.54748 | $ 45,671.37 | NRG |
| | TRANSCO | 2-6 | N | 105,059 | $ 57,517.71 | $ 0.54748 | $ 57,517.71 | UGI Energy |
| | TRANSCO | 1-3 | N | 155,000 | $ 46,500.00 | $ 0.30000 | $ 46,500.00 | Koch Energy |
| | TRANSCO | 2-3 | N | 155,000 | $ 26,350.00 | $ 0.17000 | $ 26,350.00 | Shell |
| | TRANSCO | 3-6 | N | 310,000 | $ 649,171.00 | $ 2.09410 | $ 649,171.00 | Castleton |
| | TRANSCO | 3-6 | N | 2,325,000 | $ - | $ - | $ - | Tioga LNG LLC |
| | TRANSCO | 3-6 | N | 775,000 | $ - | $ - | $ - | Tioga LNG LLC |
| | | | | 4,244,148 | | | $ 1,008,981.18 | |
| | | | | | | | | |

# Tab No. 7

53.64(c)(8)

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

**Item 53.64(c)(8)**

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.

# Calendar 2023

| Alias | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | Total CCF | MDQ (DTH) | MDQ (MCF) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Customer 1 | - | - | - | - | - | - | - | - | - | 310 | - | - | 310 | 3,300 | 3,188 |
| Customer 2 | - | - | 3,410 | 43,804 | 28,388 | 39,073 | 49,968 | 48,160 | 29,998 | 42,615 | 19,993 | 12,542 | 317,951 | 750 | 725 |
| Customer 3 | 1,208,856 | 1,196,777 | 1,054,844 | 1,044,452 | 1,174,930 | 1,090,248 | 1,120,680 | 1,096,833 | 790,855 | 1,038,859 | 1,195,266 | 1,256,491 | 13,269,091 | 17,957 | 17,350 |
| Customer 4 | 40,998 | 36,975 | 37,233 | 8,930 | 5,940 | - | - | - | - | 3,962 | 27,165 | 39,439 | 200,642 | 733 | 708 |
| Customer 5 | 9,156 | 7,895 | 7,339 | 1,790 | 1,229 | 515 | 454 | 639 | 824 | 1,603 | 6,299 | 8,320 | 46,064 | 269 | 260 |
| Customer 6 | 29,374 | 26,474 | 23,672 | 1,081 | 1,882 | - | - | - | 138 | - | 1,011 | 47,799 | 131,431 | 521 | 503 |
| Customer 7 | 82,624 | 86,737 | 85,632 | 17,180 | 4,445 | - | - | - | - | - | 31,205 | 49,815 | 357,639 | 1,400 | 1,353 |
| Customer 8 | 832 | 3,233 | 2,382 | - | - | 4,329 | 32,823 | 8,252 | 21,658 | - | - | 8,709 | 82,218 | 1,311 | 1,267 |
| Customer 9 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1,311 | 1,267 |
| Customer 10 | 18,598 | 15,432 | 14,309 | 3,974 | 1,977 | 1,725 | 1,507 | 1,215 | 1,601 | 2,229 | 12,941 | 15,136 | 90,644 | 559 | 540 |
| Customer 11 | 15,741 | 17,910 | 14,231 | 622 | - | - | - | - | - | 300 | 11,576 | 16,902 | 77,282 | 417 | 403 |
| Customer 12 | 28,262 | 25,773 | 25,408 | 8,680 | 5,251 | 2,918 | 2,779 | 2,929 | 2,818 | 6,033 | 19,571 | 30,996 | 161,418 | 703 | 679 |
| Customer 13 | 129,341 | 59,015 | 64,332 | 58,431 | 54,889 | 51,465 | 48,603 | 46,806 | 51,836 | 55,540 | 66,811 | 65,905 | 752,975 | 605 | 585 |
| Customer 14 | 16,120 | 12,402 | 14,321 | 1,763 | - | - | - | - | - | 1,899 | 12,599 | 13,588 | 72,691 | 341 | 329 |
| Customer 15 | 3,288 | 3,214 | 2,380 | 501 | 203 | - | - | - | 9 | 431 | 2,129 | 3,547 | 15,701 | 120 | 116 |
| Customer 16 | 8,433 | 7,193 | 7,628 | 1,723 | - | - | - | - | 1 | 2,432 | 6,638 | 8,529 | 42,577 | 241 | 233 |
| Customer 17 | 94,614 | 37,444 | 37,628 | 6,933 | - | - | - | - | - | 5,070 | 33,974 | 45,907 | 261,570 | 601 | 581 |
| Customer 18 | 38,920 | 28,390 | 31,562 | 4,349 | 3,640 | - | - | - | - | 6,819 | 30,958 | 44,135 | 188,772 | 355 | 343 |
| Customer 19 | 31,489 | 13,398 | 14,419 | 2,858 | 1,137 | - | - | - | - | 838 | 9,604 | 10,922 | 84,665 | 503 | 486 |
| Customer 20 | 37,720 | 34,596 | 40,468 | 19,920 | 21,811 | 23,917 | 27,856 | 27,164 | 25,307 | 29,890 | 38,354 | 41,024 | 368,027 | 418 | 404 |
| Customer 21 | 17,996 | 15,550 | 17,161 | 15,577 | 16,478 | 16,344 | 15,538 | 16,583 | 14,933 | 17,185 | 17,849 | 16,425 | 197,620 | 495 | 478 |
| Customer 22 | 21,861 | 6,224 | 7,381 | 62 | 217 | - | - | - | - | 373 | 6,029 | 8,455 | 50,602 | 469 | 453 |
| Customer 23 | - | - | - | - | - | - | - | - | 6,519 | 4,149 | 6,282 | 8,417 | 25,366 | 23 | 22 |
| Customer 24 | 10,631 | 5,896 | 5,214 | 1,709 | 371 | - | - | - | - | 843 | 3,029 | 5,073 | 32,766 | 231 | 223 |
| Customer 25 | 75,152 | 68,560 | 74,621 | 55,295 | 50,794 | 41,443 | 40,993 | 41,557 | 44,119 | 53,783 | 68,373 | 82,987 | 697,676 | 731 | 706 |
| Customer 26 | 88,438 | 80,385 | 87,369 | 65,424 | 59,880 | 49,484 | 48,943 | 49,394 | 52,674 | 64,642 | 81,322 | 98,009 | 825,963 | 731 | 706 |
| Customer 27 | 34,485 | 30,137 | 23,916 | 2,431 | - | 1,766 | - | - | - | 2,653 | 14,608 | 27,781 | 137,778 | 541 | 523 |
| Customer 28 | 163,142 | 64,827 | 68,094 | 50,543 | 45,116 | 33,401 | 31,081 | 30,832 | 37,110 | 63,919 | 81,519 | 80,606 | 750,191 | 1,046 | 1,011 |
| Customer 29 | 25,644 | 21,475 | 19,179 | 2,485 | - | - | - | - | - | 827 | 17,299 | 23,313 | 110,222 | 927 | 896 |
| Customer 30 | 50,845 | 44,812 | 46,080 | 8,745 | 457 | - | - | - | - | 12,468 | 46,745 | 60,003 | 270,155 | 316 | 305 |
| Customer 31 | 28,684 | 24,762 | 22,038 | 5,369 | 1,240 | - | - | - | - | 2,215 | 16,981 | 23,519 | 124,807 | 101 | 98 |
| Customer 32 | - | - | 5,070 | 38,215 | 29,527 | 39,073 | 60,186 | 96,943 | 86,363 | 99,883 | 92,494 | 36,901 | 584,654 | 750 | 725 |
| Customer 33 | 330,170 | 299,029 | 304,292 | 226,760 | 208,951 | 172,677 | 138,570 | 147,359 | 149,981 | 194,858 | 260,110 | 303,245 | 2,736,001 | 2,318 | 2,240 |
| Customer 34 | 307,647 | 278,284 | 283,149 | 211,361 | 194,704 | 161,027 | 129,483 | 137,872 | 139,982 | 182,240 | 242,189 | 282,110 | 2,550,048 | 2,317 | 2,239 |
| Customer 35 | 49,205 | 47,100 | 48,301 | 21,193 | 13,420 | 12,268 | 12,494 | 13,199 | 12,370 | 12,721 | 32,842 | 45,486 | 320,599 | 1,692 | 1,635 |
| Customer 36 | 67,258 | 59,224 | 61,770 | 18,309 | 1,239 | 1,031 | 929 | 825 | 928 | 23,067 | 57,076 | 65,476 | 357,132 | 151 | 146 |
| Customer 37 | 15,831 | 13,958 | 14,268 | 8,222 | 4,604 | - | - | 994 | 1,504 | 6,150 | 10,333 | 13,470 | 89,335 | 605 | 585 |
| Customer 38 | 11,014 | 10,363 | 10,437 | 5,417 | 4,305 | 958 | - | - | - | 4,355 | 10,328 | 12,288 | 69,466 | 277 | 268 |
| Customer 39 | 29,080 | 25,898 | 26,804 | 21,732 | 31,522 | 33,155 | 23,753 | 25,840 | 25,142 | 29,462 | 27,190 | 31,543 | 331,119 | 63 | 61 |
| Customer 40 | 6,717 | 5,971 | 6,083 | 3,054 | 875 | - | - | - | - | 2,213 | 5,385 | 6,315 | 36,613 | 87 | 84 |
| Customer 41 | 7,719 | 7,032 | 8,503 | 2,175 | 541 | - | - | - | 2 | 1,293 | 7,301 | 13,137 | 47,702 | 245 | 237 |
| Customer 42 | 23,805 | 21,398 | 21,879 | 10,394 | 6,646 | 5,191 | 3,733 | 4,294 | 4,424 | 6,776 | 18,392 | 22,905 | 149,834 | 676 | 653 |
| Customer 43 | - | - | - | - | - | - | - | - | 90,684 | 103,450 | 107,630 | 119,297 | 421,060 | 1,606 | 1,552 |
| Customer 44 | 19,106 | 20,959 | 15,757 | 4,444 | 517 | - | - | - | 103 | 3,312 | 13,775 | 14,195 | 92,169 | 368 | 356 |
| Customer 45 | 23,004 | 22,259 | 22,305 | 13,589 | 12,195 | 11 | - | - | 2,181 | 13,720 | 19,682 | 23,226 | 152,171 | 301 | 291 |
| Customer 46 | 27,313 | 20,974 | 24,025 | 4,870 | 2,626 | - | - | - | - | 1,233 | 19,630 | 25,737 | 126,407 | 240 | 232 |
| Customer 47 | 1,412 | 1,463 | 1,058 | 73 | - | - | - | - | - | 155 | 974 | 1,793 | 6,927 | 202 | 195 |
| Customer 48 | 5,988 | 4,516 | 4,591 | 458 | 125 | - | - | - | - | 685 | 6,392 | 7,142 | 29,898 | 222 | 214 |

# Calendar 2023

| Alias | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | Total CCF | MDQ (DTH) | MDQ (MCF) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Customer 49 | 3,758 | 3,954 | 3,885 | 957 | 127 | - | - | - | 1 | 389 | 3,038 | 4,953 | 21,062 | 215 | 208 |
| Customer 50 | 1,688,271 | 1,365,768 | 1,264,696 | 11,990 | 1,407,981 | 51,208 | 46,068 | 390,725 | 20,773 | 1,144,812 | 1,266,908 | 1,644,106 | 10,303,304 | - | - |
| Customer 51 | 12,132,734 | 10,938,725 | 12,071,739 | 11,184,464 | 7,504,406 | 10,785,121 | 11,580,609 | 10,578,928 | 10,754 | 9,483,836 | 11,087,768 | 12,031,671 | 119,390,754 | - | - |
| Customer 52 | 4,839 | 4,422 | 4,563 | 2,704 | 1,665 | 1,108 | 1,027 | 1,011 | 1,188 | 2,613 | 4,276 | 5,267 | 34,684 | 130 | 126 |
| Customer 53 | 5,667 | - | 9,349 | 867 | 1 | 3 | 6 | 5 | - | 1,645 | 4,459 | 5,232 | 27,233 | 110 | 106 |
| Customer 54 | 12,997 | 9,642 | 7,322 | 866 | 109 | - | - | - | - | 608 | 6,021 | 9,483 | 47,048 | 160 | 155 |
| Customer 55 | 4,102 | 4,169 | 5,817 | 2,228 | 645 | 2,649 | 1,591 | 2,548 | 2,396 | 2,257 | 4,818 | 6,186 | 39,405 | 183 | 177 |
| Customer 56 | 29,389 | 29,502 | 27,686 | 4,138 | - | - | - | 23 | - | 5,563 | 24,351 | 32,494 | 153,145 | 831 | 803 |
| Customer 57 | 25,607 | 19,584 | 22,238 | 15,487 | 13,804 | 9,744 | 9,109 | 9,449 | - | 19,259 | 16,152 | 22,085 | 182,518 | 504 | 487 |
| Customer 58 | 30,996 | 28,461 | 29,580 | 14,209 | 3,959 | - | - | - | - | 8,547 | 27,866 | 32,002 | 175,620 | 354 | 342 |
| Customer 59 | 45,366 | 40,560 | 37,938 | 20,467 | 21,372 | 18,453 | 19,722 | 20,521 | 24,945 | 27,613 | 43,300 | 49,630 | 369,889 | 907 | 876 |
| Customer 60 | 42,353 | 39,002 | 40,424 | 18,504 | 11,358 | 9,897 | 12,597 | 12,065 | 11,649 | 14,064 | 34,598 | 45,381 | 291,892 | 728 | 703 |
| Customer 61 | 58,804 | 57,358 | 50,238 | 33,756 | - | - | - | - | - | 10,804 | 43,969 | 49,246 | 304,174 | 1,565 | 1,512 |
| Customer 62 | 40,285 | 35,682 | 37,331 | 12,021 | 4,486 | 3 | 1 | 1 | 3 | 6,751 | 26,836 | 34,410 | 197,811 | 547 | 529 |
| Customer 63 | 5,381 | 4,792 | 4,124 | 1,200 | 497 | - | - | - | - | 855 | 3,970 | 5,610 | 26,429 | 400 | 386 |
| Customer 64 | 9,266 | 10,803 | 14,354 | 2,738 | - | - | - | - | 26 | 2,299 | 12,141 | 15,110 | 66,736 | 123 | 119 |
| Customer 65 | 12,082 | 13,300 | 14,588 | 13,368 | 14,163 | 13,556 | 5,832 | 12,665 | 10,649 | 13,737 | 13,976 | 9,035 | 146,950 | 313 | 302 |
| Customer 66 | 8,524 | 9,285 | 9,327 | 1,882 | 599 | - | - | - | - | 1,097 | 10,316 | 11,895 | 52,925 | 263 | 254 |
| Customer 67 | 29,527 | 27,715 | 24,827 | 467 | - | - | - | - | - | 972 | 14,178 | 37,420 | 135,106 | 432 | 417 |
| Customer 68 | - | 10,104 | 3,167 | 183 | - | - | - | - | - | 49 | 2,528 | 3,130 | 19,160 | 348 | 336 |
| Customer 69 | 1,712 | 1,221 | 1,218 | 161 | - | - | - | - | - | - | 625 | 1,191 | 6,128 | 348 | 336 |
| Customer 70 | 1,612 | 1,212 | 960 | 722 | 239 | 24 | - | - | 38 | 520 | 811 | 2,006 | 8,143 | 414 | 400 |
| Customer 71 | 9,254 | 8,487 | 9,339 | 8,329 | 8,519 | 7,016 | 4,849 | 5,584 | - | 10,504 | 5,989 | 5,999 | 83,869 | 202 | 195 |
| Customer 72 | 6,018 | 5,427 | 5,432 | 769 | - | - | - | - | - | 440 | 4,690 | 7,143 | 29,919 | 212 | 205 |
| Customer 73 | 13,655 | 12,200 | 13,744 | 9,089 | 8,559 | 7,849 | 6,408 | 7,519 | - | 15,155 | 10,901 | 11,036 | 116,115 | 281 | 271 |
| Customer 74 | 48,144 | 18,897 | 18,613 | 7,718 | 6,861 | 4,480 | 10,404 | 15,392 | 4,015 | 7,801 | 19,215 | 22,641 | 184,182 | 1,774 | 1,714 |
| Customer 75 | 55,988 | 46,811 | 50,529 | 47,614 | 52,950 | 53,282 | 71,155 | 67,931 | 56,558 | 47,698 | 42,141 | 51,214 | 643,869 | 456 | 441 |
| Customer 76 | 10,874 | 9,713 | 9,498 | 3,728 | 1,408 | 237 | 197 | 192 | - | 3,028 | 8,229 | - | 47,102 | 237 | 229 |
| Customer 77 | 9,302 | 7,769 | 3,184 | - | - | - | - | - | - | - | - | - | 20,255 | 272 | 263 |
| Customer 78 | 379,549 | 321,137 | 355,168 | 275,015 | 300,115 | 477,748 | 260,220 | 385,877 | 341,682 | 392,145 | 310,730 | 288,912 | 4,088,297 | 3,432 | 3,316 |
| Customer 79 | 134,048 | 56,114 | 56,622 | 26,714 | 19,771 | 14,218 | 14,241 | 15,879 | 16,148 | 26,314 | 46,328 | 53,135 | 479,532 | 2,169 | 2,096 |
| Customer 80 | 13,598 | 11,103 | 8,262 | 166 | - | - | - | - | - | 6 | 10,351 | 13,748 | 57,234 | 251 | 243 |
| Customer 81 | 22,538 | 18,133 | 20,966 | 8,006 | 4,107 | 2,456 | 2,490 | 2,470 | 2,563 | 6,252 | 18,437 | 23,431 | 131,849 | 320 | 309 |
| Customer 82 | 61,375 | 58,038 | 60,074 | 36,250 | 31,359 | 25,001 | 18,949 | 21,075 | 24,300 | 34,478 | 57,698 | 69,100 | 497,698 | 720 | 696 |
| Customer 83 | 13,011 | - | 24,836 | 1,108 | - | - | - | - | 1,258 | - | 6,408 | - | 46,621 | 804 | 777 |
| Customer 84 | 2,946 | 3,047 | 2,966 | 1,881 | 673 | 50 | 43 | 225 | 745 | 1,465 | 2,672 | 2,833 | 19,548 | 49 | 47 |
| Customer 85 | 2,915 | 2,787 | 2,809 | 1,577 | 697 | 138 | 7 | 205 | 337 | 1,603 | 2,622 | 2,837 | 18,532 | 39 | 38 |
| Customer 86 | 2,754 | 2,434 | 2,399 | 1,249 | 530 | 148 | 139 | 244 | 370 | 1,348 | 2,459 | 2,757 | 16,831 | 39 | 38 |
| Customer 87 | 14,187 | 12,348 | 13,451 | 9,793 | 9,351 | 7,725 | 6,134 | 4,688 | 6,994 | 8,642 | 10,739 | 13,136 | 117,187 | 104 | 100 |
| Customer 88 | 9,953 | 8,767 | 8,775 | 3,420 | 2,004 | 1,569 | 1,536 | 1,445 | 1,418 | 3,886 | 7,234 | - | 50,007 | 131 | 127 |
| Customer 89 | 4,839 | 4,285 | 3,893 | 262 | 306 | 114 | 102 | 101 | 116 | 142 | 3,146 | 4,632 | 21,938 | 76 | 73 |
| Customer 90 | 2,239 | 1,826 | 1,641 | 1,582 | 1,452 | 1,657 | 1,524 | 1,671 | 1,807 | 1,731 | 2,036 | 622 | 19,788 | 132 | 128 |
| Customer 91 | 5,527 | 4,969 | 5,207 | 2,794 | 1,144 | 587 | 541 | 537 | 570 | 2,370 | 4,418 | 5,191 | 33,855 | 112 | 108 |
| Customer 92 | 8,053 | 6,940 | 6,723 | 3,299 | 2,428 | 2,155 | 2,053 | 2,448 | 2,342 | 3,384 | 5,354 | 6,555 | 51,734 | 325 | 314 |
| Customer 93 | 16,562 | 15,188 | 16,039 | 8,954 | 3,408 | 2,158 | 2,106 | 2,191 | 2,180 | 9,247 | 14,637 | 16,819 | 109,488 | 360 | 348 |
| Customer 94 | 21,232 | 16,609 | 18,447 | 4,795 | 4,873 | 4,319 | 4,161 | 4,269 | 4,443 | 5,088 | 18,316 | 24,152 | 130,705 | 549 | 530 |
| Customer 95 | 61,684 | - | 124,329 | - | 82,044 | 27,579 | 20,081 | 22,210 | - | 66,614 | 54,554 | - | 459,096 | 576 | 557 |
| Customer 96 | 25,214 | 22,528 | - | 30,807 | - | - | - | - | - | 2,536 | 22,761 | 22,302 | 126,147 | 958 | 926 |

# Calendar 2023

| Alias | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | Total CCF | MDQ (DTH) | MDQ (MCF) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Customer 97 | 33,638 | 31,112 | 20,957 | 3,879 | 830 | 1,105 | 5,255 | 5,522 | 2,071 | 4,711 | 13,594 | 19,838 | 142,513 | 843 | 814 |
| Customer 98 | 21,959 | 21,661 | 23,724 | 19,372 | 19,491 | 19,464 | 17,833 | 19,745 | 17,253 | 17,860 | 21,636 | 28,023 | 248,022 | 1,362 | 1,316 |
| Customer 99 | 6,340 | 5,705 | 5,664 | 2,962 | 1,678 | 529 | 453 | 468 | 606 | 2,372 | 5,237 | 6,454 | 38,469 | 83 | 80 |
| Customer 100 | 7,408 | 6,595 | 6,665 | 2,313 | 1,467 | 473 | 408 | 379 | 429 | 2,285 | 5,798 | 7,207 | 41,425 | 83 | 80 |
| Customer 101 | 4,826 | 4,443 | 4,286 | 1,972 | 1,239 | 595 | 476 | 490 | 695 | 1,781 | 4,164 | 5,090 | 30,055 | 83 | 80 |
| Customer 102 | 11,101 | 8,949 | 7,880 | 2,040 | - | - | - | - | - | 2,861 | 10,121 | 11,814 | 54,765 | 111 | 107 |
| Customer 103 | 5,115 | - | 9,617 | 864 | 264 | - | - | - | - | 885 | 3,752 | 4,937 | 25,435 | 888 | 858 |
| Customer 104 | 3,715 | 3,436 | 3,462 | 736 | 397 | - | - | 4 | - | 515 | 2,650 | 3,665 | 18,580 | 341 | 329 |
| Customer 105 | 6,861 | 5,660 | 5,932 | 7,011 | 8,038 | 7,830 | 6,367 | 7,027 | 7,708 | 9,129 | 6,556 | 6,988 | 85,109 | 78 | 75 |
| Customer 106 | 6,291 | 5,592 | 5,474 | 3,524 | 1,680 | 944 | 855 | 891 | 911 | 2,713 | 4,786 | 6,310 | 39,971 | 480 | 464 |
| Customer 107 | 10,360 | 8,896 | 921 | - | - | - | - | - | - | - | - | - | 20,177 | 289 | 279 |
| Customer 108 | - | 20,875 | - | - | 16,664 | 13,663 | 12,892 | 13,846 | 13,080 | 16,729 | 18,422 | 20,959 | 147,132 | 394 | 381 |
| Customer 109 | - | 20,875 | - | - | 16,664 | 13,663 | 12,892 | 13,846 | 13,080 | 16,729 | 18,422 | 20,959 | 147,132 | 394 | 381 |
| Customer 110 | 1,524 | 657 | 701 | 608 | 597 | 538 | 487 | 490 | 485 | 502 | 572 | 632 | 7,792 | 140 | 135 |
| Customer 111 | 22,444 | 19,720 | 20,964 | 8,357 | 4,434 | 2,863 | 1,850 | 1,906 | 1,985 | 9,888 | 18,853 | 21,985 | 135,248 | 291 | 281 |
| Customer 112 | 6,931 | 5,644 | 4,957 | 853 | 644 | - | - | - | - | 898 | 5,057 | 5,368 | 30,352 | 211 | 204 |
| Customer 113 | 12,375 | 11,237 | 6,886 | 579 | 794 | - | - | - | - | 1,580 | 6,846 | - | 40,296 | 245 | 237 |
| Customer 114 | 5,541 | 5,187 | 4,940 | 1,500 | 592 | 8 | 1 | - | - | 767 | 4,694 | 6,446 | 29,677 | 272 | 263 |
| Customer 115 | 18,111 | 18,704 | 17,219 | 3,990 | 225 | - | - | - | - | 52 | 17,929 | 24,396 | 100,625 | 573 | 554 |
| Customer 116 | 17,145 | 15,082 | 16,204 | 4,905 | 2,459 | - | - | - | - | 4,233 | 14,329 | 18,488 | 92,844 | 1,252 | 1,210 |
| Customer 117 | 12,811 | - | 11,863 | 14,109 | 953 | - | - | - | 976 | 2,991 | 9,409 | 12,942 | 66,055 | 257 | 248 |
| Customer 118 | 13,190 | 11,599 | 12,389 | 4,557 | 4,074 | 3,494 | 3,404 | 3,117 | 2,929 | 4,346 | 9,612 | 11,831 | 84,542 | 278 | 269 |
| Customer 119 | 6,204 | 5,674 | 6,159 | 1,492 | 170 | - | - | - | 9 | 240 | 4,798 | 7,365 | 32,111 | 240 | 232 |
| Customer 120 | 9,932 | 9,014 | 6,785 | 3,232 | 1,770 | - | 1 | 1 | 92 | 3,131 | 10,028 | 14,727 | 58,712 | 235 | 227 |
| Customer 121 | 7,535 | 6,578 | 6,199 | 3,110 | 809 | 1 | - | 20 | 39 | 46 | 6,055 | 7,407 | 37,799 | 167 | 161 |
| Customer 122 | 21,545 | - | 54,117 | 4,125 | - | - | - | - | - | 4,653 | 17,634 | 21,321 | 123,395 | 410 | 396 |
| Customer 123 | 6,567 | 6,279 | 6,078 | 3,274 | 2,254 | 1,558 | 1,284 | 1,338 | 1,022 | 3,383 | - | 12,089 | 45,126 | 170 | 164 |
| Customer 124 | 14,859 | 12,835 | 12,709 | 1,467 | - | - | - | - | - | 1,506 | 7,707 | 11,739 | 62,822 | 100 | 97 |
| Customer 125 | 1,225 | 1,046 | 822 | 177 | 11 | - | - | - | - | 157 | 960 | - | 4,398 | 400 | 386 |
| Customer 126 | - | 11,254 | 3,016 | 1,631 | 1,329 | 3,215 | 2,676 | 1,366 | 1,406 | 1,618 | 2,682 | 3,973 | 34,164 | 65 | 63 |
| Customer 127 | 2,917 | 2,846 | 2,377 | 414 | 271 | - | - | - | - | 201 | 2,572 | 3,572 | 15,168 | 400 | 386 |
| Customer 128 | 9,742 | 7,141 | 8,311 | 1,250 | - | - | - | - | - | - | 5,780 | 8,167 | 40,391 | 209 | 202 |
| Customer 129 | 5,527 | 4,088 | 3,662 | 440 | 114 | - | - | - | - | 566 | 5,501 | 8,955 | 28,853 | 270 | 261 |
| Customer 130 | 4,508 | 4,619 | 3,685 | 2,981 | 2,546 | 2,066 | 1,684 | 970 | 1,524 | 1,815 | 3,639 | 4,066 | 34,104 | 336 | 325 |
| Customer 131 | 6,995 | 6,048 | 5,743 | 1,069 | 523 | - | - | - | 144 | 2,329 | 6,043 | 7,159 | 36,053 | 115 | 111 |
| Customer 132 | 5,443 | 4,363 | 5,204 | 430 | - | - | - | 16 | 2 | 9 | 4,121 | 4,680 | 24,269 | 120 | 116 |
| Customer 133 | 13,298 | 11,735 | 8,079 | 1,331 | 357 | - | 1 | - | - | 1,163 | 7,882 | 8,586 | 52,432 | 171 | 165 |
| Customer 134 | 4,376 | 3,351 | 3,717 | 673 | - | - | - | - | 2 | 155 | 2,571 | 4,168 | 19,014 | 254 | 245 |
| Customer 135 | 5,166 | 3,886 | 3,446 | 409 | 106 | - | - | - | - | 533 | 4,892 | 8,863 | 27,301 | 208 | 201 |
| Customer 136 | 14,212 | 12,847 | 11,608 | 7,766 | - | 13,551 | 6,073 | 5,614 | 4,992 | 7,624 | 11,707 | 14,004 | 109,998 | 296 | 286 |
| Customer 137 | 8,096 | 7,160 | - | 7,089 | 569 | - | - | - | - | 1,095 | 7,113 | 9,260 | 40,381 | 235 | 227 |
| Customer 138 | 6,338 | 6,054 | 6,599 | 3,776 | 1,652 | 582 | 599 | 604 | 952 | 2,583 | 5,072 | 7,601 | 42,412 | 72 | 70 |
| Customer 139 | 3,278 | 11,574 | 17,510 | 15,608 | 11,075 | 15,353 | 11,491 | 5,378 | 2,496 | 14,485 | 633 | 8,686 | 117,568 | 67 | 65 |
| Customer 140 | 19,873 | 17,839 | 19,552 | 17,663 | 17,765 | 16,552 | 16,512 | 15,931 | - | 33,496 | 12,948 | 19,587 | 207,718 | 60 | 58 |
| Customer 141 | 12,175 | 10,466 | 11,444 | 1,201 | - | - | - | - | - | 1,160 | 8,216 | - | 44,662 | 72 | 70 |
| Customer 142 | 4,956 | 4,349 | 4,388 | 331 | 550 | - | - | 2 | - | 1,336 | 3,905 | 5,182 | 24,999 | 341 | 329 |
| Customer 143 | 4,316 | 3,574 | 3,394 | 1,252 | 326 | - | - | - | - | 890 | 3,076 | - | 16,828 | 54 | 52 |
| Customer 144 | 16,299 | 15,128 | 16,019 | 9,107 | 8,221 | 8,168 | 7,507 | 5,955 | 5,878 | 8,647 | 14,575 | 13,039 | 128,543 | 69 | 67 |

# Calendar 2023

| Alias | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | Total CCF | MDQ (DTH) | MDQ (MCF) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Customer 145 | 18,352 | 16,399 | 17,025 | 8,556 | 5,606 | 4,044 | 3,286 | 3,236 | 3,899 | 6,744 | 15,905 | 19,891 | 122,946 | 189 | 183 |
| Customer 146 | 4,436 | 4,025 | 4,351 | 2,601 | 1,315 | 917 | 807 | 896 | - | 2,063 | 3,495 | - | 24,906 | 402 | 388 |
| Customer 147 | 6,443 | 5,744 | 4,330 | 708 | 190 | - | - | - | - | 12 | 5,724 | 6,151 | 29,302 | 54 | 52 |
| Customer 148 | 3,928 | 4,168 | 1,838 | 1,170 | 4,186 | 3,774 | 1,888 | 1,429 | 1,242 | 2,819 | 2,196 | - | 28,639 | 141 | 136 |
| Customer 149 | 16,477 | 13,858 | 12,916 | 8,355 | 7,058 | 5,736 | 4,910 | 5,410 | 6,910 | 9,229 | 12,117 | 16,434 | 119,409 | 224 | 216 |
| Customer 150 | 8,259 | 7,407 | 7,890 | 4,472 | 4,414 | 3,665 | 2,900 | 3,236 | 3,275 | 4,185 | 6,637 | 7,061 | 63,400 | 576 | 557 |
| Customer 151 | 7,683 | 6,504 | 6,358 | 3,525 | 3,405 | 2,551 | 1,643 | 2,317 | 2,195 | 3,235 | 6,031 | 6,921 | 52,369 | 50 | 48 |
| Customer 152 | 9,102 | 7,685 | 7,490 | 3,979 | 3,986 | 3,121 | 1,886 | 2,851 | 2,723 | 3,924 | 7,206 | 8,183 | 62,137 | 50 | 48 |
| Customer 153 | 17,612 | 15,577 | 15,789 | - | 14,843 | 4,305 | 3,807 | 3,619 | 4,422 | 7,155 | 13,641 | 16,801 | 117,571 | 250 | 242 |
| Customer 154 | 33,215 | 28,489 | 32,828 | 20,105 | 22,376 | 19,286 | 15,004 | 20,690 | 19,490 | 25,583 | 28,718 | 27,789 | 293,572 | 600 | 580 |
| Customer 155 | 4,628 | 3,604 | 3,366 | 666 | - | - | - | - | - | 1,603 | 3,843 | 4,565 | 22,276 | 86 | 83 |
| Customer 156 | 4,441 | 4,014 | 4,355 | 2,598 | 1,314 | 918 | 805 | 900 | - | 2,065 | 3,497 | - | 24,907 | 402 | 388 |
| Customer 157 | 11,695 | 4,604 | 4,261 | 856 | - | - | - | - | - | 300 | 4,108 | 5,354 | 31,178 | 144 | 139 |
| Customer 158 | 10,307 | 3,950 | 3,663 | 743 | - | - | - | - | - | 132 | 3,476 | 4,512 | 26,784 | 144 | 139 |
| Customer 159 | 17,136 | 16,034 | 15,074 | 5,848 | 4,936 | 4,130 | 3,290 | 3,196 | 3,664 | 6,239 | 12,535 | 14,902 | 106,984 | 180 | 174 |
| Customer 160 | 6,863 | 6,257 | 6,848 | 1,002 | 545 | - | - | - | - | 541 | 3,208 | 6,587 | 31,850 | 187 | 181 |
| Customer 161 | 11,816 | 8,825 | 9,326 | 1,705 | - | - | - | - | 2 | 822 | 5,472 | 8,650 | 46,618 | 200 | 193 |
| Customer 162 | 6,937 | 6,605 | 7,779 | 6,349 | - | 10,311 | 4,500 | 4,756 | 5,642 | 6,551 | 8,075 | 8,861 | 76,366 | 144 | 139 |
| Customer 163 | 11,831 | 12,719 | 12,405 | 3,243 | 726 | - | 1 | 1 | - | 1,758 | 8,880 | 13,908 | 65,472 | 192 | 186 |
| Customer 164 | 8,043 | 6,601 | 6,263 | 1,433 | 321 | - | - | - | 8 | 21 | 4,000 | 8,185 | 34,876 | 232 | 224 |
| Customer 165 | 35,757 | 29,311 | 28,392 | 5,150 | 5,271 | 3,864 | 3,109 | 1,519 | 3,183 | 9,767 | 28,544 | 34,565 | 188,434 | 392 | 379 |
| Customer 166 | 18,493 | 17,282 | 18,118 | 9,625 | - | - | - | 1 | 28 | 4,315 | 14,354 | 16,591 | 98,806 | 100 | 97 |
| Customer 167 | 35,885 | 33,583 | 35,410 | 28,463 | 34,059 | 31,253 | 29,296 | 33,883 | 30,040 | 34,068 | 32,455 | 33,783 | 392,177 | 168 | 162 |
| Customer 168 | 8,378 | 8,090 | 8,171 | 4,503 | 8,507 | 7,571 | 8,743 | 10,137 | 8,306 | 8,829 | 8,000 | 8,393 | 97,630 | 235 | 227 |
| Customer 169 | 13,363 | 11,719 | 11,665 | 2,838 | - | - | - | - | - | 3,716 | 10,641 | 11,756 | 65,698 | 927 | 896 |
| Customer 170 | 52,021 | 20,486 | 20,350 | 8,538 | 7,705 | 5,189 | 11,851 | 17,134 | 4,724 | 8,996 | 20,830 | 24,225 | 202,049 | 1,774 | 1,714 |
| Customer 171 | 22,457 | 5,706 | 5,963 | 3,223 | 1,303 | 818 | 314 | 719 | 978 | 6,276 | 4,525 | 6,387 | 58,668 | 240 | 232 |
| Customer 172 | 42,291 | 38,833 | 36,247 | 12,515 | 8,396 | 6,475 | 5,428 | 5,545 | 5,770 | 12,187 | 34,525 | 42,506 | 250,718 | 706 | 682 |
| Customer 173 | 12,672 | 11,242 | 10,768 | 3,663 | 1,171 | - | 1 | - | 4 | 2,008 | 8,629 | 11,187 | 61,345 | 185 | 179 |
| Customer 174 | 6,065 | 6,467 | 5,349 | 722 | 168 | - | - | - | - | 529 | 5,928 | 7,818 | 33,046 | 83 | 80 |
| Customer 175 | 28,302 | 24,266 | 27,944 | 17,037 | 19,023 | 16,429 | 12,817 | 17,593 | 16,551 | 21,796 | 24,637 | 23,670 | 250,064 | 600 | 580 |
| Customer 176 | 3,653 | 3,726 | 3,947 | 1,169 | 768 | 518 | 420 | 442 | 658 | 2,310 | 4,347 | 3,740 | 25,699 | 8 | 8 |
| Customer 177 | 5,570 | 4,989 | 3,918 | 683 | - | 124 | - | - | - | 1,299 | 4,799 | 5,726 | 27,108 | 75 | 72 |
| Customer 178 | 12,512 | 10,557 | 10,720 | 611 | - | - | - | - | 20 | 2,757 | 10,225 | 12,184 | 59,586 | 202 | 195 |
| Customer 179 | 25,117 | 21,272 | 23,778 | 27,452 | 36,892 | 32,284 | 34,783 | 34,435 | 36,130 | 38,297 | 36,835 | 38,046 | 385,322 | 725 | 700 |
| Customer 180 | 6,854 | 5,881 | 5,105 | 411 | 36 | - | - | - | - | 260 | 4,319 | 6,413 | 29,279 | 130 | 126 |
| Customer 181 | 5,358 | 5,069 | 5,336 | 3,233 | 2,767 | 2,588 | 2,262 | 2,468 | 2,470 | 2,491 | 3,959 | 4,734 | 42,736 | 228 | 220 |
| Customer 182 | 3,431 | 3,400 | 3,254 | 828 | 730 | - | - | - | 12 | 533 | 3,030 | 3,532 | 18,749 | 259 | 250 |
| Customer 183 | 2,977 | 2,945 | 2,794 | 708 | 651 | - | 69,116 | - | 11 | 461 | 2,682 | 3,129 | 85,475 | 259 | 250 |
| Customer 184 | 12,698 | - | 22,034 | 5,371 | 1,560 | - | - | - | - | 2,470 | - | 22,476 | 66,607 | 235 | 227 |
| Customer 185 | 6,295 | 6,110 | 6,147 | 5,534 | 4,511 | 5,327 | 5,564 | 5,469 | 5,187 | 4,851 | 4,581 | - | 59,575 | 154 | 149 |
| Customer 186 | 21,444 | 9,234 | 8,015 | 1,392 | 731 | 2 | - | 4 | - | - | 5,982 | 11,463 | 58,266 | 186 | 180 |
| Customer 187 | 2,102 | 1,973 | 1,960 | 812 | 391 | 8 | - | 3 | 2 | 698 | 1,817 | 2,072 | 11,838 | 41 | 40 |
| Customer 188 | 3,865 | 3,492 | 3,454 | 1,849 | 1,062 | 583 | 499 | 495 | 539 | 1,634 | 3,401 | 3,883 | 24,754 | 48 | 46 |
| Customer 189 | 1,604 | 1,415 | 1,429 | 275 | - | - | - | - | - | 44 | 940 | 1,582 | 7,290 | 348 | 336 |
| Customer 190 | 4,704 | 4,404 | 4,329 | 1,422 | 1,282 | 1,455 | 1,405 | 1,466 | 1,355 | 1,545 | 3,410 | 4,470 | 31,246 | 156 | 151 |
| Customer 191 | 4,867 | 4,449 | 4,281 | 2,604 | 1,911 | 2,648 | 3,416 | 3,413 | 3,138 | 2,830 | 3,813 | 4,668 | 42,037 | 72 | 70 |
| Customer 192 | 7,272 | 6,660 | 7,692 | - | 16,680 | 8,961 | 7,869 | 8,675 | - | 19,162 | 9,839 | 10,018 | 102,827 | 168 | 162 |

# Calendar 2023

| Alias | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | Total CCF | MDQ (DTH) | MDQ (MCF) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Customer 193 | 10,694 | 9,690 | 10,481 | 8,778 | 8,807 | 8,469 | 7,772 | 8,576 | 8,393 | 9,682 | 10,597 | 11,062 | 113,001 | 174 | 168 |
| Customer 194 | 11,612 | 3,044 | 3,351 | 2,487 | 2,542 | 2,212 | 1,848 | 2,282 | - | - | 8,098 | 3,325 | 40,800 | 126 | 122 |
| Customer 195 | 3,248 | 2,828 | 3,131 | 486 | 59 | - | - | - | 3 | 51 | 2,055 | 3,088 | 14,949 | 414 | 400 |
| Customer 196 | 9,161 | 8,321 | 8,273 | 4,741 | 2,119 | - | 1 | - | - | 4,415 | 8,356 | 9,355 | 54,743 | 163 | 157 |
| Customer 197 | 4,318 | - | 7,219 | 794 | 694 | 345 | 8 | 7 | 342 | 821 | 3,307 | 4,369 | 22,224 | 223 | 215 |
| Customer 198 | 7,709 | 6,951 | 6,605 | 1,626 | 372 | - | - | - | - | 464 | 5,879 | 7,407 | 37,013 | 72 | 70 |
| Customer 199 | 11,847 | 10,682 | 10,895 | 3,271 | 1,223 | - | - | - | - | 3,836 | 10,898 | 11,837 | 64,487 | 626 | 605 |
| Customer 200 | 41,141 | 29,358 | 40,746 | 24,802 | 19,411 | 16,145 | 13,000 | 18,572 | 9,659 | 21,761 | 20,135 | 24,720 | 279,452 | 748 | 723 |
| Customer 201 | 21,851 | 19,495 | 15,245 | 642 | - | 609 | 289 | 547 | 1,485 | 2,815 | 14,017 | 17,162 | 94,157 | 341 | 329 |
| Customer 202 | 82,008 | 84,899 | 90,892 | 31,093 | - | - | - | - | - | 8,157 | 77,235 | 91,807 | 466,091 | 2,087 | 2,016 |
| Customer 203 | 14,459 | 11,492 | 10,066 | 837 | - | 261 | - | - | - | 1,807 | 7,967 | 11,329 | 58,217 | 397 | 384 |
| Customer 204 | 60,338 | 42,281 | 16,238 | 40,461 | 18,182 | 19,092 | 51,021 | 35,726 | 30,206 | 36,298 | 17,524 | 12,361 | 379,728 | 2,203 | 2,129 |
| Customer 205 | 40,585 | 38,192 | 46,351 | 30,864 | 31,656 | 34,096 | 38,298 | 39,628 | 37,266 | 38,356 | 43,275 | 46,612 | 465,179 | 2,317 | 2,239 |
| Customer 206 | 18,997 | 17,844 | 18,350 | 1,761 | 1,137 | - | - | - | - | 2,587 | 12,538 | 13,992 | 87,206 | 598 | 578 |
| Customer 207 | 421,411 | 341,383 | 272,139 | 347,134 | 336,303 | 329,753 | 321,331 | 333,637 | 246,991 | 267,254 | 249,426 | 308,148 | 3,774,911 | 2,365 | 2,285 |
| Customer 208 | 27,203 | 23,558 | 18,351 | 1,243 | - | - | - | - | - | 4,034 | 16,478 | 24,248 | 115,114 | 701 | 677 |
| Customer 209 | 2,190 | 2,130 | 2,056 | 791 | 499 | - | - | 2 | 5 | 917 | 2,490 | 2,849 | 13,929 | 58 | 56 |
| Customer 210 | 3,582 | 4,034 | 4,257 | 3,313 | 3,086 | 3,209 | 3,029 | 3,036 | 3,064 | 3,187 | 2,616 | 2,949 | 39,362 | 90 | 87 |
| Customer 211 | 6,787 | - | 3,863 | - | - | 1,632 | 5,113 | 5,479 | 5,764 | 6,961 | 13,920 | 16,079 | 65,598 | 804 | 777 |
| Customer 212 | 13,313 | 12,517 | 14,172 | 9,355 | 9,749 | 8,583 | 8,356 | 9,580 | 8,825 | 9,855 | 9,896 | 11,744 | 125,946 | 750 | 725 |
| Customer 213 | 7,851 | 7,337 | 8,190 | 5,985 | 5,918 | 5,495 | 5,022 | 6,014 | 5,435 | 5,974 | 6,287 | 7,348 | 76,856 | 750 | 725 |
| Customer 214 | 151,827 | 137,626 | 143,134 | 111,228 | 100,606 | 88,390 | 82,719 | 87,404 | 96,028 | 107,802 | 135,949 | 145,187 | 1,387,900 | 8,479 | 8,192 |
| Customer 215 | 17,971 | 15,823 | 16,314 | 1,356 | - | - | - | - | - | 52 | 14,649 | 19,346 | 85,510 | 417 | 403 |
| Customer 216 | 22,615 | 21,896 | 23,717 | 20,582 | 24,497 | 23,670 | 21,857 | 23,243 | 20,264 | 25,288 | - | 49,359 | 276,987 | 250 | 242 |
| Customer 217 | 17,086 | 15,092 | 14,014 | 4,106 | - | - | - | - | - | 3,352 | 11,602 | 17,997 | 83,249 | 377 | 364 |
| Customer 218 | 10,567 | 9,284 | 9,453 | 4,311 | 1,106 | - | - | - | 10 | 41 | 8,256 | 10,175 | 53,203 | 229 | 221 |
| Customer 219 | 36,627 | - | 44,229 | 48,447 | 78,065 | 75,257 | 69,691 | 59,715 | 74,313 | 85,212 | 61,625 | 33,058 | 666,238 | 2,400 | 2,319 |
| Customer 220 | 417 | 833 | 2,495 | 12,312 | 22,393 | 11,322 | 4,286 | 8,146 | 14,491 | 33,518 | 37,132 | 35,115 | 182,458 | 1,400 | 1,353 |
| Customer 221 | 57,548 | 55,500 | 42,954 | 2,871 | 3,530 | - | - | - | 331 | 10,388 | 43,044 | 55,332 | 271,498 | 1,269 | 1,226 |
| Customer 222 | - | - | - | - | 413 | - | - | - | - | - | - | - | 413 | 2,317 | 2,239 |
| Customer 223 | 683,725 | 608,478 | 617,723 | 425,320 | 354,428 | 294,334 | 271,255 | 294,717 | 303,258 | 403,063 | 624,952 | 668,877 | 5,550,129 | 2,317 | 2,239 |
| Customer 224 | 2,579 | 2,495 | 2,219 | 843 | 240 | - | - | - | - | 254 | 2,324 | 2,923 | 13,875 | 64 | 62 |
| Customer 225 | 2,210 | 1,905 | 1,907 | - | 1,405 | - | - | - | - | 564 | 1,460 | 1,936 | 11,387 | 64 | 62 |
| Customer 226 | 2,082 | 1,980 | 1,822 | 825 | 239 | - | - | - | - | 570 | 1,650 | 2,028 | 11,196 | 64 | 62 |
| Customer 227 | 2,902 | 2,621 | 2,637 | 1,285 | 432 | - | - | - | - | 650 | 1,665 | 2,663 | 14,854 | 64 | 62 |
| Customer 228 | 309,742 | 297,910 | 511,381 | 538,306 | 563,664 | 482,257 | 519,606 | 523,754 | 456,243 | 443,817 | 624,332 | 702,154 | 5,973,165 | 3,300 | 3,188 |
| Customer 229 | 16,184 | 13,836 | 19,219 | 6,916 | - | - | - | - | - | - | 4,956 | 18,149 | 79,260 | 450 | 435 |
| Customer 230 | 4,984 | 4,085 | 3,804 | - | 1,079 | 1 | - | - | 32 | 730 | 3,401 | - | 18,116 | 212 | 205 |
| Customer 231 | 10,222 | 9,356 | 6,220 | 604 | 434 | - | - | - | 33 | 535 | 5,607 | 6,303 | 39,313 | 797 | 770 |
| Customer 232 | 640 | 603 | 533 | 125 | 69 | - | - | - | - | 52 | 480 | 421 | 2,922 | 348 | 336 |
| Customer 233 | 4,869 | 3,319 | 3,564 | 1,390 | 626 | 18 | - | - | 162 | 1,250 | 2,711 | 3,344 | 21,252 | 98 | 95 |
| Customer 234 | 7,468 | 7,194 | 6,341 | 2,951 | 1,939 | 1,667 | 1,645 | 1,541 | 1,725 | 3,437 | 6,317 | 8,262 | 50,489 | 385 | 372 |
| Customer 235 | 6,770 | 6,557 | 5,848 | 2,798 | 1,842 | 1,587 | 1,557 | 1,375 | 1,493 | 3,077 | 5,856 | 7,375 | 46,134 | 385 | 372 |
| Customer 236 | 12,312 | 11,231 | 11,312 | 7,929 | 5,720 | 4,406 | 4,382 | 4,660 | 3,906 | 5,781 | 9,676 | 9,645 | 90,960 | 388 | 375 |
| Customer 237 | 25,506 | 18,530 | 16,749 | - | - | - | - | - | - | - | - | 666 | 61,451 | 2,203 | 2,129 |
| Customer 238 | 7,839 | 8,447 | 7,403 | 2,184 | 775 | 41 | 10 | 836 | 2,227 | 3,443 | 7,098 | 12,207 | 52,509 | 69 | 67 |
| Customer 239 | 25,832 | 22,791 | 25,027 | 15,246 | 13,615 | 11,082 | 9,897 | 10,560 | 11,074 | 15,914 | 22,627 | 25,721 | 209,386 | 240 | 232 |
| Customer 240 | 51,139 | 45,073 | 47,459 | 41,720 | 40,817 | 33,384 | 33,275 | 34,218 | - | 70,514 | 38,765 | 46,791 | 483,156 | 1,851 | 1,788 |

# Calendar 2023

| Alias | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | Total CCF | MDQ (DTH) | MDQ (MCF) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Customer 241 | 7,907 | 7,116 | 3,763 | 808 | - | 338 | - | - | 2 | 670 | 2,881 | 4,328 | 27,814 | 278 | 269 |
| Customer 242 | 59,276 | 52,818 | 55,787 | 50,837 | 50,341 | 42,580 | 44,534 | 43,950 | - | 90,198 | 46,980 | 56,045 | 593,345 | 1,851 | 1,788 |
| Customer 243 | 532 | 467 | 464 | 154 | 54 | - | - | - | - | 64 | 423 | 555 | 2,713 | 348 | 336 |
| Customer 244 | 3,948 | 3,697 | 3,261 | 279 | - | - | - | - | - | 1,134 | 4,650 | 5,657 | 22,626 | 38 | 37 |
| Customer 245 | 3,444 | 3,027 | 3,772 | 530 | - | - | - | - | - | 565 | 2,261 | 2,901 | 16,500 | 43 | 42 |
| Customer 246 | 1,973 | 1,832 | 1,929 | 1,652 | 1,614 | 1,564 | 1,332 | 1,670 | 1,242 | 658 | 1,943 | 2,139 | 19,549 | 414 | 400 |
| Customer 247 | 17,759 | 7,738 | 7,545 | 4,539 | 1,394 | 1,268 | 1,766 | 1,949 | 1,917 | 1,965 | 2,103 | 2,507 | 52,448 | 523 | 505 |
| Customer 248 | 7,495 | 5,416 | 3,928 | 93 | 124 | - | - | - | - | 776 | 3,886 | 6,113 | 27,831 | 242 | 234 |
| Customer 249 | 25,392 | 10,383 | 10,738 | 1,976 | - | 113 | 124 | - | - | 569 | 9,086 | 11,852 | 70,234 | 302 | 292 |
| Customer 250 | 13,282 | 12,876 | 12,465 | 3,302 | 2,051 | 396 | - | 55 | - | 4,241 | 10,652 | 10,193 | 69,514 | 396 | 383 |
| Customer 251 | 7,890 | 6,899 | 4,716 | 362 | - | 310 | - | - | - | 362 | 5,762 | 6,062 | 32,364 | 161 | 156 |
| Customer 252 | 24,540 | 22,312 | 23,032 | 14,326 | 14,319 | 10,866 | 8,622 | 8,951 | 10,442 | 12,970 | 19,288 | 23,146 | 192,812 | 628 | 607 |
| Customer 253 | 16,008 | 15,208 | 15,769 | 9,673 | 5,421 | 5,563 | 3,180 | 2,181 | 2,622 | 6,468 | 9,684 | 14,192 | 105,969 | 883 | 853 |
| Customer 254 | 30,076 | 38,615 | 39,953 | 29,747 | 26,853 | 23,649 | 22,086 | 22,676 | 22,574 | 30,304 | - | 77,333 | 363,867 | 432 | 417 |
| Customer 255 | 62,187 | 48,469 | 47,317 | 12,523 | 4,329 | - | - | - | - | 13,321 | 42,033 | 48,386 | 278,567 | 424 | 410 |
| Customer 256 | 6,977 | 41 | 1,202 | - | - | - | - | - | - | 10 | 5,088 | 5,584 | 18,904 | 424 | 410 |
| Customer 257 | 172,915 | 159,306 | - | 214,670 | - | - | - | 413 | 2,063 | 207 | 84,058 | 152,283 | 785,915 | 1,225 | 1,184 |
| Customer 258 | 160,888 | 145,116 | 153,078 | 119,267 | 118,926 | 113,090 | 105,320 | 108,585 | 102,258 | 110,148 | - | 321,462 | 1,558,140 | 2,549 | 2,463 |
| Customer 259 | 26,499 | 24,614 | 25,537 | 10,674 | 3,742 | - | - | - | - | 5,329 | 22,012 | 27,217 | 145,624 | 626 | 605 |
| Customer 260 | 48,784 | 45,223 | 47,260 | 19,858 | 7,028 | - | - | - | - | 10,347 | 41,332 | 50,353 | 270,184 | 626 | 605 |
| Customer 261 | 5,489 | 4,931 | 5,295 | 1,673 | 2,814 | 5,422 | 5,424 | 4,147 | 2,742 | 4,763 | 5,198 | 4,538 | 52,437 | 22 | 21 |
| Customer 262 | 3,579 | 3,314 | 2,882 | 816 | 218 | - | - | - | - | 387 | 3,440 | 4,331 | 18,967 | 135 | 130 |
| Customer 263 | - | 6,952 | 2,822 | 1,354 | 1,222 | 946 | 776 | 834 | 964 | 1,191 | 2,143 | 3,326 | 22,530 | 119 | 115 |
| Customer 264 | 5,679 | 5,125 | 5,282 | 1,796 | 770 | 664 | 546 | 492 | 494 | 1,936 | 4,422 | 5,930 | 33,136 | 80 | 77 |
| Customer 265 | - | 6,384 | 2,585 | 1,224 | 1,100 | 850 | 695 | 752 | 870 | 1,079 | 1,953 | 3,037 | 20,528 | 119 | 115 |
| Customer 266 | 8,107 | - | 13,273 | 1,632 | 411 | 1 | 2 | 1 | 1 | 898 | - | 3,435 | 27,761 | 225 | 217 |
| Customer 267 | 11,961 | 6,128 | 6,592 | 1,333 | - | - | - | - | - | 1,483 | 4,832 | 6,414 | 38,745 | 400 | 386 |
| Customer 268 | 10,213 | 9,066 | 9,029 | 5,329 | 4,053 | 3,468 | 3,585 | 3,991 | 4,119 | 5,220 | 8,128 | 10,256 | 76,457 | 139 | 134 |
| Customer 269 | - | 37,597 | 18,290 | 8,009 | 4,045 | 1,811 | 1,785 | 1,681 | 2,185 | 4,977 | 12,865 | 20,152 | 113,398 | 322 | 311 |
| Customer 270 | 38,602 | 15,065 | 13,353 | - | 1 | 5,156 | 8,056 | 6,947 | - | 2,730 | 7,241 | 15,919 | 113,071 | 252 | 243 |
| Customer 271 | 5,370 | 5,297 | 1,501 | 670 | 1 | - | - | - | - | 1,010 | 4,531 | 5,845 | 24,227 | 173 | 167 |
| Customer 272 | 17,895 | 15,757 | 16,655 | 6,143 | 3,532 | 3,320 | 2,716 | 3,011 | 3,195 | 7,427 | 14,938 | 18,836 | 113,424 | 414 | 400 |
| Customer 273 | 17,267 | 15,277 | 11,687 | 259 | 1,137 | - | - | 21 | 10 | 2,691 | 16,067 | 10,257 | 74,673 | 374 | 361 |
| Customer 274 | 14,799 | 13,730 | 15,002 | 3,512 | 3,401 | 2,107 | - | - | 12 | - | 2,602 | 5,899 | 61,064 | 804 | 777 |
| Customer 275 | 10,497 | - | 17,532 | 4,261 | 3,577 | 3,197 | 2,944 | 2,964 | 2,624 | 3,818 | 7,721 | 11,476 | 70,610 | 804 | 777 |
| Customer 276 | 17,158 | 15,145 | 15,309 | 4,933 | 2,044 | 1,618 | 1,404 | 1,547 | 1,845 | 5,441 | 13,435 | 15,872 | 95,751 | 360 | 348 |
| Customer 277 | 26,520 | 24,724 | 25,744 | 6,473 | 4,387 | 3,464 | 2,302 | 2,413 | 2,659 | 10,003 | 25,307 | 28,676 | 162,674 | 180 | 174 |
| Customer 278 | 33,353 | 14,458 | 15,068 | 3,373 | 1,783 | - | - | - | - | 893 | 9,778 | - | 78,706 | 322 | 311 |
| Customer 279 | 12,174 | 11,777 | 21,410 | 5,830 | 7,599 | 11,939 | 7,921 | 9,009 | 8,216 | 7,476 | 15,337 | 16,832 | 135,520 | 351 | 339 |
| Customer 280 | 10,299 | 8,235 | 9,431 | 993 | 651 | - | - | - | - | 455 | 7,561 | 11,282 | 48,909 | 782 | 756 |
| Customer 281 | 25,024 | 22,268 | 24,106 | - | - | - | - | - | - | 145 | 15,503 | 23,237 | 110,284 | 81 | 78 |
| Customer 282 | 16,673 | 11,441 | 3,850 | 155 | - | - | - | - | - | 911 | 11,378 | 12,371 | 56,778 | 454 | 439 |
| Customer 283 | 24,038 | 20,670 | 23,681 | 13,138 | 5,681 | - | - | - | 371 | 5,360 | 21,676 | 30,345 | 144,960 | 336 | 325 |
| Customer 284 | 53,833 | 54,556 | 49,395 | 33,707 | 27,368 | 22,992 | 16,837 | 18,116 | 17,892 | 24,699 | 45,879 | 49,918 | 415,191 | 697 | 673 |
| Customer 285 | 49,718 | 44,708 | 46,639 | 36,072 | 36,853 | 78,561 | 81,057 | 85,283 | 75,249 | 33,304 | 40,087 | 46,107 | 653,637 | 1,011 | 977 |
| Customer 286 | - | 1 | 4,199 | 6,332 | 6,241 | 5,959 | 5,732 | 5,570 | 5,570 | 5,973 | 6,352 | 4,946 | 56,876 | 750 | 725 |
| Customer 287 | 4,946 | 4,492 | 4,450 | 1,617 | 874 | 741 | 712 | 722 | 717 | 2,029 | 4,272 | 5,129 | 30,700 | 43 | 42 |
| Customer 288 | 9,369 | 8,400 | 6,704 | 1,923 | 211 | - | - | - | 8 | 1,069 | 5,000 | 8,882 | 41,566 | 131 | 127 |

# Calendar 2023

| Alias | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | Total CCF | MDQ (DTH) | MDQ (MCF) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Customer 289 | 17,679 | 15,606 | 15,788 | - | 13,332 | 3,264 | 2,716 | 2,613 | 3,534 | 6,471 | 13,430 | 16,699 | 111,131 | 250 | 242 |
| Customer 290 | 31,553 | 25,955 | 26,501 | 7,851 | 1,056 | 23 | 1 | 1 | 41 | 550 | 13,795 | 25,672 | 133,000 | 150 | 145 |
| Customer 291 | 20,168 | 5,753 | 5,669 | 2,169 | 1,114 | 89 | - | 2 | 334 | 1,401 | 4,409 | 5,677 | 46,784 | 113 | 109 |
| Customer 292 | 52,674 | 48,749 | 52,458 | 41,932 | 38,706 | 32,577 | 30,555 | 33,967 | 33,678 | 40,300 | 46,742 | 58,401 | 510,740 | 267 | 258 |
| Customer 293 | 47,328 | 43,347 | 50,393 | 43,860 | 44,673 | 42,412 | 37,459 | 42,960 | 45,860 | 48,987 | 48,258 | - | 495,539 | 1,465 | 1,415 |
| Customer 294 | - | 44,954 | 20,565 | 7,921 | 4,193 | 2,567 | 2,333 | - | - | 7,883 | 18,750 | 23,509 | 132,675 | 496 | 479 |
| Customer 295 | 9,844 | - | 16,980 | 788 | 941 | - | - | - | - | 331 | 8,354 | 7,712 | 44,949 | 314 | 303 |
| Customer 296 | 30,085 | 27,907 | 28,690 | 14,858 | 5,073 | - | - | - | - | 12,098 | 25,857 | 31,002 | 175,569 | 240 | 232 |
| Customer 297 | 11,686 | 5,341 | 5,894 | 1,080 | - | 876 | - | - | - | 364 | 10,649 | 10,649 | 46,539 | 494 | 477 |
| Customer 298 | 7,681 | 9,863 | 4,499 | 62 | 403 | - | - | - | - | 559 | - | 6,715 | 29,781 | 172 | 166 |
| Customer 299 | 23,411 | 11,669 | 14,842 | - | 9,334 | - | - | - | - | 1,314 | 12,460 | 12,559 | 85,589 | 110 | 106 |
| Customer 300 | 28,277 | 24,108 | 21,781 | 4,597 | - | - | - | - | - | 6,229 | - | 42,769 | 127,761 | 31 | 30 |
| Customer 301 | 32,344 | 29,248 | 31,540 | 20,164 | 15,311 | 11,103 | 9,231 | 9,704 | 9,999 | 17,479 | 29,369 | 37,319 | 252,811 | 720 | 696 |
| Customer 302 | 79,403 | 76,849 | 80,736 | 70,482 | 73,504 | 56,595 | 36,966 | 41,557 | 40,510 | 53,265 | 68,678 | 77,804 | 756,347 | 803 | 776 |
| Customer 303 | 29,743 | 26,806 | 28,449 | 21,865 | 21,012 | 19,740 | 19,356 | 20,297 | 20,290 | 24,097 | 30,099 | 34,543 | 296,296 | 43 | 42 |
| Customer 304 | 80,241 | 70,639 | 70,171 | 35,973 | 22,716 | 15,464 | 10,635 | 6,908 | 3,919 | 34,651 | 62,775 | 81,745 | 495,837 | 1,424 | 1,376 |
| Customer 305 | 62,821 | 56,521 | 62,304 | 39,572 | 41,749 | 38,928 | 33,456 | 30,653 | 2,209 | 2,078 | 13,873 | 13,457 | 397,619 | 407 | 393 |
| Customer 306 | 21,615 | 19,561 | 20,400 | 16,600 | 17,917 | 15,755 | 14,193 | 16,399 | 16,624 | 17,364 | 19,272 | 22,307 | 218,006 | 150 | 145 |
| Customer 307 | 10,155 | 8,318 | 6,174 | 1,935 | 393 | - | - | - | 82 | 1,004 | 4,653 | 6,883 | 39,597 | 157 | 152 |
| Customer 308 | 7,933 | 6,328 | 5,099 | - | 41 | - | - | - | 41 | 735 | 7,161 | 10,717 | 38,055 | 92 | 89 |
| Customer 309 | 59,373 | 48,338 | 53,791 | 43,407 | 40,986 | 33,401 | 34,281 | 24,748 | 31,440 | 34,336 | 44,439 | 53,253 | 501,794 | 400 | 386 |
| Customer 310 | 18,125 | 17,133 | 16,139 | 762 | 2,066 | - | - | - | - | 2,396 | 14,498 | 12,755 | 83,875 | 888 | 858 |
| Customer 311 | 49,309 | 42,325 | 30,678 | 4,238 | 1,447 | - | - | - | 309 | 5,174 | 32,427 | 44,979 | 210,885 | 614 | 593 |
| Customer 312 | 55,531 | 49,059 | 52,445 | 27,599 | 22,299 | 19,072 | 19,929 | 19,799 | 19,585 | 29,787 | 43,196 | - | 358,301 | 994 | 960 |
| Customer 313 | 35,922 | 33,814 | 30,788 | 5,903 | 103 | - | - | - | - | 2,174 | 21,965 | 28,492 | 159,161 | 255 | 246 |
| Customer 314 | 80,468 | 73,747 | 75,077 | 61,443 | 63,726 | 52,317 | 48,667 | 46,808 | 49,276 | 53,456 | 57,284 | 71,443 | 733,711 | 1,308 | 1,264 |
| Customer 315 | 30,004 | 25,937 | 24,154 | 1,345 | 2,481 | - | - | - | - | 3,311 | 18,545 | 21,344 | 127,121 | 412 | 398 |
| Customer 316 | - | 37,202 | 10,032 | - | - | 5,045 | 2,776 | 1,908 | - | 5,493 | 8,784 | 11,517 | 82,757 | 162 | 157 |
| Customer 317 | 5,035 | 3,558 | 3,815 | 610 | 238 | - | - | - | - | 766 | 3,149 | 3,440 | 20,611 | 223 | 215 |
| Customer 318 | 24,171 | 21,620 | 19,018 | 11,351 | 8,491 | 4,083 | 708 | 1,067 | 2,990 | 9,965 | 21,102 | 24,212 | 148,781 | 172 | 166 |
| Customer 319 | 19,141 | 17,040 | 16,120 | 3,514 | - | - | - | - | - | - | 14,872 | 17,913 | 88,601 | 346 | 334 |
| Customer 320 | 16,905 | 13,027 | 12,363 | 2,905 | 1,269 | - | - | 55 | - | 4,796 | 9,670 | 10,600 | 71,591 | 264 | 255 |
| Customer 321 | 45,838 | - | 76,357 | 16,115 | 13,968 | 12,556 | 10,935 | 10,755 | 11,535 | - | 13,704 | 22,157 | 233,920 | 419 | 405 |
| Customer 322 | 28,245 | 26,771 | 31,584 | 15,684 | 7,974 | 2,505 | 1,456 | 1,877 | 2,051 | 9,569 | - | 65,650 | 193,366 | 611 | 590 |
| Customer 323 | 41,724 | 37,460 | 39,790 | 19,635 | 11,049 | 2,484 | - | - | 3,438 | 18,233 | 36,702 | 42,522 | 253,036 | 725 | 700 |
| Customer 324 | 15,341 | 16,366 | 17,889 | 11,730 | 4,471 | 2,773 | 2,891 | 2,980 | 2,660 | 6,537 | 12,244 | 14,038 | 109,921 | 419 | 405 |
| Customer 325 | 16,600 | 15,059 | 14,667 | 3,464 | 1,130 | - | - | - | - | 5,878 | 14,025 | 16,458 | 87,283 | 336 | 325 |
| Customer 326 | 5,391 | 3,915 | - | - | - | - | - | 50 | 77 | 740 | 3,555 | 6,002 | 19,730 | 240 | 232 |
| Customer 327 | - | - | - | - | - | - | - | - | - | - | - | - | - | 254 | 245 |
| Customer 328 | 10,399 | 10,128 | 11,091 | 2,662 | - | 615 | - | - | 8 | 844 | 6,790 | 11,404 | 53,942 | 232 | 224 |
| Customer 329 | 4,878 | 4,887 | 4,811 | 1,213 | - | - | - | - | - | 539 | 3,511 | 5,153 | 24,992 | 197 | 190 |
| Customer 330 | 11,187 | 7,942 | 8,916 | 4,819 | 1,073 | - | - | - | - | 742 | 7,977 | 9,317 | 51,971 | 234 | 226 |
| Customer 331 | 19,508 | 13,216 | 13,622 | 9,924 | 13,207 | 11,523 | 16,624 | 11,931 | 14,559 | 5,261 | 14,818 | 15,721 | 159,913 | 34 | 33 |
| Customer 332 | 8,917 | 11,185 | 15,602 | 9,227 | 9,299 | 8,687 | 9,682 | - | - | - | - | - | 72,600 | 449 | 434 |
| Customer 333 | 73,631 | 72,053 | 76,708 | 68,198 | 70,221 | 64,740 | 63,707 | 62,359 | 43,880 | 64,961 | 72,524 | 80,155 | 813,135 | 1,268 | 1,225 |
| Customer 334 | 10,990 | 9,392 | 10,315 | 2,081 | 1,409 | - | - | - | 12 | 2,951 | 9,943 | 11,899 | 58,992 | 956 | 924 |
| Customer 335 | 50,167 | 44,767 | 45,250 | 42,267 | 47,617 | 44,612 | 43,471 | 44,524 | 34,420 | 42,100 | 42,402 | 38,904 | 520,500 | 17,957 | 17,350 |
| Customer 336 | 44,258 | 39,386 | 39,335 | 37,464 | 42,296 | 39,273 | 38,536 | 39,712 | 30,954 | 37,339 | 37,451 | 34,086 | 460,089 | 17,957 | 17,350 |

# Calendar 2023

| Alias | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | Total CCF | MDQ (DTH) | MDQ (MCF) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Customer 337 | 23,490 | 21,330 | 22,609 | 4,445 | 3,242 | - | - | - | 12 | 6,396 | 21,923 | 25,657 | 129,102 | 956 | 924 |
| Customer 338 | 12,260 | 9,676 | 6,693 | 166 | - | - | - | - | - | - | - | - | 28,794 | 340 | 329 |
| Customer 339 | 16,911 | 14,803 | 14,625 | 7,877 | 5,266 | 4,433 | 3,800 | 4,011 | 4,185 | 5,440 | 14,430 | 16,952 | 112,733 | 313 | 302 |
| Customer 340 | 17,264 | 16,607 | 18,262 | 4,200 | 10 | 10 | - | 10 | 21 | 5,837 | 16,513 | 21,146 | 99,881 | 120 | 116 |
| Customer 341 | 98,006 | 85,276 | 87,750 | 36,844 | - | - | - | - | - | 6,752 | 59,421 | 92,967 | 467,016 | 2,191 | 2,117 |
| Customer 342 | 62,404 | 56,107 | 58,286 | 45,461 | 41,955 | 37,188 | 31,025 | 28,375 | 27,025 | 36,148 | 44,912 | 49,302 | 518,186 | 1,043 | 1,008 |
| Customer 343 | 31,820 | 33,944 | 28,342 | 18,447 | 19,511 | 18,886 | 13,692 | 13,086 | 15,729 | 18,616 | 23,866 | 27,039 | 262,979 | 517 | 500 |
| Customer 344 | 68,261 | 55,142 | 45,546 | 18,327 | 5,951 | - | - | - | - | 3,019 | 43,554 | 52,729 | 292,529 | 859 | 830 |
| Customer 345 | 7,142 | 7,356 | 6,893 | 2,306 | 662 | - | 10 | - | - | 2,266 | 5,594 | 7,274 | 39,503 | 377 | 364 |
| Customer 346 | 5,420 | 5,622 | 5,060 | - | - | - | - | - | - | 879 | 6,021 | 6,061 | 29,062 | 304 | 294 |
| Customer 347 | 10,466 | 9,359 | 9,853 | 5,279 | 3,950 | 1,847 | 1,163 | 1,464 | 1,807 | 4,186 | 10,036 | 11,649 | 71,061 | 204 | 197 |
| Customer 348 | 49,284 | 38,816 | 43,948 | 4,440 | 3,077 | 2,180 | 1,599 | 1,255 | 1,464 | 5,735 | 25,128 | 28,804 | 205,730 | 490 | 473 |
| Customer 349 | 20,793 | 18,590 | 18,149 | 6,693 | 2,532 | - | - | - | - | 6,521 | 17,891 | 20,577 | 111,746 | 209 | 202 |
| Customer 350 | 13,970 | 11,523 | 14,094 | 6,070 | 1,363 | 1,732 | 1,187 | - | - | - | - | - | 49,938 | 266 | 257 |
| Customer 351 | 11,025 | 9,771 | 6,399 | 1,198 | 182 | - | - | - | - | 878 | 6,878 | 5,679 | 42,008 | 281 | 271 |
| Customer 352 | 6,436 | 5,622 | 5,960 | 1,180 | 227 | - | - | - | - | 414 | 4,754 | 7,480 | 32,074 | 213 | 206 |
| Customer 353 | 4,091 | 6,048 | 3,223 | 290 | 165 | - | - | - | 21 | 362 | 2,901 | 3,244 | 20,345 | 152 | 147 |
| Customer 354 | 80,981 | 57,714 | 53,907 | 20,285 | 8,650 | - | - | - | - | 19,528 | 59,004 | 64,767 | 364,837 | 785 | 758 |
| Customer 355 | 48,816 | 19,920 | 16,075 | 498 | - | - | - | - | - | 2,588 | 19,711 | - | 107,607 | 843 | 814 |
| Customer 356 | 44,322 | 40,328 | 39,621 | 17,182 | 8,879 | 4,999 | 4,444 | 4,339 | 3,809 | 17,478 | 36,256 | 43,542 | 265,199 | 479 | 463 |
| Customer 357 | 9,727 | 8,693 | 10,894 | 3,218 | 393 | - | - | - | - | 2,576 | 8,184 | 11,003 | 54,690 | 272 | 263 |
| Customer 358 | - | - | - | - | - | - | - | - | - | 5,180 | 11,705 | 13,744 | 30,628 | 346 | 334 |
| Customer 359 | - | - | - | - | - | - | - | - | 2,906 | 2,415 | - | - | 5,321 | 375 | 362 |
| Customer 360 | 50,395 | 37,732 | 42,744 | 7,631 | - | - | - | - | - | 10,591 | 40,822 | 49,622 | 239,535 | 663 | 641 |
| Customer 361 | 56,667 | 50,570 | 50,052 | 20,300 | 11,114 | 6,789 | 5,822 | 6,368 | 7,971 | 17,369 | 41,153 | 50,517 | 324,692 | 173 | 167 |
| Customer 362 | 13,683 | 13,870 | 13,925 | 2,821 | 2,163 | - | - | - | - | 3,382 | 13,176 | 15,214 | 78,235 | 591 | 571 |
| Customer 363 | 76,190 | 70,120 | 74,938 | 54,569 | 48,826 | 49,382 | 46,879 | 50,528 | 50,922 | 63,715 | 83,285 | 86,304 | 755,657 | 1,325 | 1,280 |
| Customer 364 | 10,233 | 9,420 | 5,636 | 3,634 | 3,515 | 4,984 | 26,197 | 1,574 | 9,999 | 6,719 | 5,744 | 653 | 88,307 | 1,752 | 1,693 |
| Customer 365 | 7,508 | 6,999 | 4,303 | 2,861 | 2,643 | 3,796 | 20,637 | 1,215 | 7,761 | 5,112 | 4,495 | 500 | 67,832 | 1,752 | 1,693 |
| Customer 366 | 16,363 | 13,680 | 17,144 | 12,859 | 12,995 | 14,671 | 13,665 | 14,343 | 11,149 | 11,406 | 12,353 | - | 150,627 | 178 | 172 |
| Customer 367 | 21,693 | 17,748 | 22,635 | 17,003 | 17,274 | 19,668 | 18,468 | 19,029 | 14,645 | 14,977 | 16,175 | - | 199,315 | 178 | 172 |
| Customer 368 | 19,517 | 16,962 | 18,567 | 11,077 | 9,980 | 8,914 | 9,160 | 9,639 | 10,229 | 9,844 | 15,856 | 17,039 | 156,785 | 1,325 | 1,280 |
| Customer 369 | 4,700 | 3,959 | 2,672 | 103 | - | - | 7 | - | 2 | 109 | 2,233 | 3,337 | 17,122 | 269 | 260 |
| Customer 370 | 9,673 | 8,895 | 8,959 | 3,713 | 1,673 | 1,446 | 1,332 | 1,362 | 1,371 | 3,663 | 7,488 | 8,902 | 58,477 | 96 | 93 |
| Customer 371 | 8,297 | 7,542 | 7,000 | 2,175 | 467 | - | - | - | - | 2,502 | 8,265 | 10,540 | 46,788 | 163 | 157 |
| Customer 372 | 1,411,585 | 1,386,692 | 1,239,909 | 1,225,486 | 1,363,659 | 1,269,592 | 1,292,120 | 1,276,541 | 939,336 | 1,219,720 | 1,386,529 | 1,457,578 | 15,468,747 | 17,957 | 17,350 |
| Customer 373 | 11,900 | 10,332 | 7,206 | 1,797 | 323 | 3 | 5 | 5 | 3 | 1,912 | 8,589 | 11,350 | 53,427 | 309 | 299 |
| Customer 374 | 45,025 | 38,003 | 40,172 | 30,324 | 28,634 | 26,270 | 24,055 | 24,341 | 26,286 | 31,155 | 40,711 | 42,303 | 397,281 | 254 | 245 |
| Customer 375 | 7,553 | 7,511 | 8,223 | 4 | 1,240 | 6 | 2 | 9 | 5 | 81 | 4,591 | 6,950 | 36,176 | 383 | 370 |
| Customer 376 | 50,776 | 46,042 | 54,318 | 43,062 | 45,057 | 35,262 | 35,061 | 21,833 | 39,943 | 47,602 | 47,214 | 40,710 | 506,881 | 503 | 486 |
| Customer 377 | - | - | - | - | - | - | - | 3,909 | 10,234 | - | 31 | 41 | 14,215 | 1,424 | 1,376 |
| Customer 378 | 19,882 | 13,077 | 12,949 | 135 | - | - | - | - | - | 1,511 | 11,034 | 19,110 | 77,697 | 461 | 445 |
| Customer 379 | 32,338 | 29,115 | 28,908 | 7,500 | 2,218 | - | 65 | - | - | 1,938 | 23,203 | 30,213 | 155,498 | 573 | 554 |
| Customer 380 | 10,184 | 9,679 | 7,609 | 1,387 | - | - | - | - | - | - | 7,324 | 12,194 | 48,377 | 280 | 271 |
| Customer 381 | 12,680 | 13,190 | 12,520 | 10,310 | 13,770 | 16,280 | 20,330 | 17,930 | 19,400 | 13,940 | 17,470 | 16,710 | 184,530 | - | - |
| Customer 382 | 19,807 | 17,583 | 17,032 | - | 2,194 | - | - | - | - | 182 | 16,099 | 21,053 | 93,950 | 384 | 371 |
| Customer 383 | 27,193 | 22,138 | 20,777 | 1,534 | 1,677 | - | - | - | - | 2,344 | 23,040 | 24,233 | 122,935 | 472 | 456 |
| Customer 384 | 20,798 | 19,450 | 20,671 | 17,843 | 17,591 | 15,351 | 14,217 | 16,252 | 14,009 | 17,583 | 18,179 | 18,099 | 210,041 | 626 | 605 |

| Calendar 2023 | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Alias** | **JAN** | **FEB** | **MAR** | **APR** | **MAY** | **JUN** | **JUL** | **AUG** | **SEP** | **OCT** | **NOV** | **DEC** | **Total CCF** | **MDQ (DTH)** | **MDQ (MCF)** |
| Customer 385 | 24,799 | 21,577 | 22,055 | 10,368 | 7,775 | 4,773 | 4,502 | 4,300 | 4,082 | 8,658 | 20,324 | 24,472 | 157,686 | 565 | 546 |
| Customer 386 | 55,144 | 45,345 | 48,422 | 28,496 | 23,467 | 14,844 | 7,775 | 8,332 | 9,019 | 19,507 | 38,070 | 47,896 | 346,318 | 400 | 386 |
| Customer 387 | 90,917 | 88,072 | 96,684 | 76,096 | 84,513 | 86,725 | 81,256 | 89,509 | 77,002 | 88,008 | 85,449 | 88,374 | 1,032,606 | 437 | 422 |
| Customer 388 | 22,953 | 18,947 | 15,947 | 884 | - | - | - | - | - | 442 | 8,190 | 18,810 | 86,172 | 524 | 506 |
| Customer 389 | 5,824 | 5,561 | 5,363 | 4,482 | 5,819 | 5,820 | 6,901 | 6,679 | 6,247 | 6,247 | 6,543 | 5,358 | 70,843 | 132 | 128 |
| Customer 390 | 25,860 | - | - | - | 7,177 | 5,629 | 5,000 | 3,913 | 5,364 | 6,768 | 13,722 | 15,287 | 88,719 | 215 | 208 |
| Customer 391 | 2,260 | 2,118 | 2,067 | 1,437 | 1,318 | 1,004 | 710 | 691 | 905 | 1,193 | 1,928 | 2,445 | 18,075 | 73 | 71 |
| Customer 392 | 6,896 | 6,118 | 6,361 | 3,036 | 1,698 | 1,025 | 882 | 871 | 942 | 2,411 | 5,516 | 6,772 | 42,528 | 31 | 30 |
| Customer 393 | 5,494 | 5,336 | 7,516 | 367 | 404 | - | - | - | 76 | 543 | 3,479 | 5,371 | 28,587 | 251 | 243 |
| Customer 394 | - | - | 140,695 | 20,041 | 17,584 | 13,514 | 10,079 | 8,712 | 11,098 | 19,043 | 36,220 | 45,141 | 322,126 | 980 | 947 |
| Customer 395 | - | - | - | - | - | - | - | - | - | - | 10,418 | - | 10,418 | 417 | 403 |
| Customer 396 | 88,097 | 79,820 | 92,779 | 83,028 | 88,779 | - | - | - | - | - | - | - | 432,503 | 1,151 | 1,112 |
| Customer 397 | 26,906 | 23,710 | 27,874 | 23,189 | 24,396 | 22,663 | 20,270 | 20,984 | 20,389 | 22,754 | 23,611 | - | 256,746 | 114 | 110 |

# Tab No. 8

53.64(c)(9)

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

**Item 53.64(c)(9)**

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 schedule attached to the response to 53.64(c)(8), Tab 7, which also provides the monthly end-user transportation through-put by customer.

# Tab No. 9

53.64(c)(10)

Docket No. R-2024-XXXXXXX
Tab 09 Item 53.64(c)(10)

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

**Item 53.64(c)(10)**

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

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

**Response:**

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

# Tab No. 10

53.64(c)(11)

Docket No. R-2024-XXXXXXX
Tab 10 Item 53.64(c)(11)

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

**Item 53.64(c)(11)**

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:

(11) If any rate structure or rate allocation changes are to be proposed, a detailed explanation of each proposal, reasons therefore, number of customers affected, net effect on each customer class, and how the change relates to or is justified by changes in gas costs proposed in the Section 1307(f) tariff filing. Explain how gas supply, transportation and storage capacity costs are allocated to customers which are primarily nonheating, interruptible or transportation customers.

**Response:**

PGW is not proposing any rate structure or rate allocation changes in the instant proceeding, therefore, no testimony or schedules have been provided in this pre-filing to support such changes.

PGW will provide testimony regarding gas procurement policies, strategies and the GCR calculation in its 1307(f) March 1, 2024 filing.

# Tab No. 11

53.64(c)(12)

Docket No. R-2024-XXXXX
Tab 11 Item 53.64 (c)(12)

**Philadelphia Gas Works**

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

**Item 53.64(c)(12)** 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:

(12) A schedule depicting the most recent 5-year consecutive 3-day peak data by customer class (or other historic peak day data used for system planning), daily volumetric throughput by customer class (including end-user transportation throughput), gas interruptions and high, low and average temperature during each day.

**Response:**

Schedule 1 – Three-day peak for FY 18-19 - through FY 22-23

Schedule 2 – Identifies a listing of gas interruptions for FY 18-19 through FY 22-23, their duration and the high, low and average temperatures for each day that the interruption was in effect.

# Peak Day Analysis

PGW performs a peak day analysis on an annual basis to determine its projected sendout requirements during peak conditions. Essentially this process is completed by collecting sendout and average temperature data for all days where the temperature is at or below 32 degrees Fahrenheit, excluding holidays and weekends. All interruptible transportation volumes are removed from total sendout to arrive at firm sendout on a daily basis.

Common statistical practices warrant that no less than thirty (30) data points be utilized in the analysis to ensure its integrity. For this analysis, PGW has utilized data from the period winter of FY 17-18 through FY 22-23 which would reflect the most current consumption behaviors of its customers. This period yielded 69 data points where the average temperature was at or below 32 degrees Fahrenheit.

Degree days are calculated by subtracting the average daily temperature from sixty-five (65).

A standard linear regression was performed on the data using the calculated degree-days and the actual firm daily sendout information. Additionally, in order to confirm the accuracy of the analysis, and to smooth the charting of the data, a quadratic and a cubic regression analysis were also completed.

A resulting $R^2$ (Correlation Coefficient) indicates a 78.5 % correlation between firm sendout and degree-days. The multiple regression correlation co-efficient, $R^2$, is a measure of the proportion of variability explained by, or due to the regression (linear relationship) in a sample of paired data. It is a number between zero and one and a value close to zero suggests a poor model.

To verify the level of confidence we can ascribe to the model, we developed the attached Linear Regression Confidence Level Table. Essentially, this table compares the actual versus projected sendout to determine the level of variance expressed as a standard deviation. A standard deviation represents the positive square root of the variance where the variance simply represents the dispersion about the mean. In this analysis the sample standard deviation is 22,872 MCF.

The sample loses one degree of freedom for each estimated parameter. Thus, with a sample of 100 paired values and two estimated parameters (one for the constant and one for the coefficient of "degree days"), there are 100-2=98 degrees of freedom. In this analysis we had 69 data points and there were 67 Degrees of Freedom.

Finally, based upon the models developed, it can be determined that the company's projected peak day sendout should be set at 653,186 MCF per day at 0 degree Fahrenheit. This calculation is performed using the X Coefficient (i.e. slope) multiplied by the number of degree days and adding the Constant (Y Intercept).

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | **53.64 (c) 12** | |
| | | | | | | | | **Schedule 1** | |
| **3 DAY PEAK ANALYSIS** | | | | | | | | | |
| | | | | | | | | | |
| **Winter** | | **Average** | **Hi** | **Low** | **Total** | **Firm** | **Cogen** | **IT** | **GRAYSFERRY** |
| **Peak Season** | **Date** | **Temp.** | **Temp.** | **Temp.** | **Sendout (mcfs)** | **Sendout** | **Sendout** | **Sendout** | **Sendout (mcfs)** |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| 2018 - 2019 | Jan 30 | 16 | 37 | 7 | 584,172 | 500,209 | 43 | 83,920 | 53,916 |
| 2018 - 2019 | Jan 31 | 17 | 20 | 11 | 609,241 | 522,948 | 43 | 86,250 | 47,420 |
| 2018 - 2019 | Feb 1 | 18 | 25 | 15 | 586,904 | 503,748 | 43 | 83,113 | 52,759 |
| | | | | | | | | | |
| 2019- 2020 | Dec 18 | 31 | 42 | 23 | 435,785 | 374,997 | 45 | 60,743 | 52,320 |
| 2019- 2020 | Dec 19 | 30 | 33 | 25 | 461,382 | 398,876 | 45 | 62,461 | 51,357 |
| 2019- 2020 | Dec 20 | 33 | 37 | 29 | 417,993 | 362,084 | 45 | 55,864 | 51,897 |
| | | | | | | | | | |
| 2020- 2021 | Jan 28 | 29 | 36 | 25 | 455,995 | 397,133 | 45 | 58,817 | 51,780 |
| 2020- 2021 | Jan 29 | 26 | 31 | 22 | 495,584 | 435,311 | 45 | 60,228 | 55,038 |
| 2020- 2021 | Jan 30 | 32 | 36 | 27 | 426,177 | 372,796 | 45 | 53,336 | 52,584 |
| | | | | | | | | | |
| 2021- 2022 | Jan 29 | 16 | 24 | 11 | 531,582 | 474,039 | 42 | 57,501 | 47,589 |
| 2021- 2022 | Jan 30 | 23 | 27 | 17 | 490,112 | 434,209 | 42 | 55,861 | 46,917 |
| 2021- 2022 | Jan 31 | 27 | 34 | 23 | 454,674 | 397,965 | 42 | 56,667 | 46,939 |
| | | | | | | | | | |
| 2022- 2023 | Dec 23 | 17 | 46 | 7 | 490,464 | 432,229 | 1450 | 56,786 | 44,443 |
| 2022- 2023 | Dec 24 | 16 | 22 | 9 | 544,760 | 487,413 | 1450 | 55,896 | 43,074 |
| 2022- 2023 | Dec 25 | 21 | 28 | 16 | 474,092 | 422,213 | 1450 | 50,429 | 50,085 |

GAS INTERRUPTIONS - September 1, 2010 through January 1, 2023
SCHEDULE 2

| TEMPERATURE | | | GAS INTERRUPTIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| DATE | HIGH | LOW | AVERAGE | BPS-S | BPS-H | BPS-L | LBS-S | LBS-L | LBS-XL | COGEN |

No interruptions occurred between September 1, 2011 and January 01, 2023

# Tab No. 12

53.64(c)(13)

Docket No. R-2024-XXXX
Tab 12 Item 53.64 (c)(13)

**Philadelphia Gas Works**

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

**Item 53.64(c)(13)** 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:

(13) Identification and support for any peak day methodology used to project future gas demands and studies supporting the validity of the methodology.

**Response:** Please see the attached Peak Day analysis. Also attached to Item 53.64(c)(14), Tab 13, is *Siemans Peak Day Regression Model Reviews* dated January 14, 2019 and December 20, 2019 which support PGW's peak day methodology.

# Peak Day Analysis

PGW performs a peak day analysis on an annual basis to determine its projected sendout requirements during peak conditions. Essentially this process is completed by collecting sendout and average temperature data for all days where the temperature is at or below 32 degrees Fahrenheit, excluding holidays and weekends. All interruptible transportation volumes are removed from total sendout to arrive at firm sendout on a daily basis.

Common statistical practices warrant that no less than thirty (30) data points be utilized in the analysis to ensure its integrity. For this analysis, PGW has utilized data from the period winter of FY 17-18 through FY 22-23 which would reflect the most current consumption behaviors of its customers. This period yielded 69 data points where the average temperature was at or below 32 degrees Fahrenheit.

Degree days are calculated by subtracting the average daily temperature from sixty-five (65).

A standard linear regression was performed on the data using the calculated degree-days and the actual firm daily sendout information. Additionally, in order to confirm the accuracy of the analysis, and to smooth the charting of the data, a quadratic and a cubic regression analysis were also completed.

A resulting $R^2$ (Correlation Coefficient) indicates a 78.5 % correlation between firm sendout and degree-days. The multiple regression correlation co-efficient, $R^2$, is a measure of the proportion of variability explained by, or due to the regression (linear relationship) in a sample of paired data. It is a number between zero and one and a value close to zero suggests a poor model.

To verify the level of confidence we can ascribe to the model, we developed the attached Linear Regression Confidence Level Table. Essentially, this table compares the actual versus projected sendout to determine the level of variance expressed as a standard deviation. A standard deviation represents the positive square root of the variance where the variance simply represents the dispersion about the mean. In this analysis the sample standard deviation is 22,872 MCF.

The sample loses one degree of freedom for each estimated parameter. Thus, with a sample of 100 paired values and two estimated parameters (one for the constant and one for the coefficient of “degree days”), there are 100-2=98 degrees of freedom. In this analysis we had 69 data points and there were 67 Degrees of Freedom.

Finally, based upon the models developed, it can be determined that the company’s projected peak day sendout should be set at 653,186 MCF per day at 0 degree Fahrenheit. This calculation is performed using the X Coefficient (i.e. slope) multiplied by the number of degree days and adding the Constant (Y Intercept).

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Winter 18-23 Data for Daily Temperatures <= 32 Degrees Fahrenheit** | | | | | | | | | | | |
| *W/O Holidays, Weekends* | | | | | | | | | | | |
| | | | | | | | | | **Linear** | **Quadratic** | **Cubic** |
| | | | **Degree** | | | **Actual** | **Firm Sendout** | | **Projected** | **Projected** | **Projected** |
| | | **Daily** | **Days** | | | **Firm Sendout** | **Per DD** | | **Firm Sendout** | **Firm Sendout** | **Firm Sendout** |
| **Day** | **Date** | **Temp** | **X** | **X^2** | **X^3** | **(Mcf)** | **(Mcf)** | | **(Mcf)** | **(Mcf)** | **(Mcf)** |
| Wednesday | 12/13/2017 | 31 | 34 | 1,156 | 39,304 | 356,549 | 10,487 | | 358,920 | 359,554 | 359,796 |
| Thursday | 12/14/2017 | 31 | 34 | 1,156 | 39,304 | 354,093 | 10,415 | | 358,920 | 359,554 | 359,796 |
| Friday | 12/15/2017 | 28 | 37 | 1,369 | 50,653 | 375,049 | 10,136 | | 387,398 | 385,633 | 387,116 |
| Tuesday | 12/26/2017 | 29 | 36 | 1,296 | 46,656 | 373,407 | 10,372 | | 377,905 | 376,762 | 378,276 |
| Wednesday | 12/27/2017 | 23 | 42 | 1,764 | 74,088 | 436,899 | 10,402 | | 434,860 | 432,662 | 431,011 |
| Thursday | 12/28/2017 | 19 | 46 | 2,116 | 97,336 | 475,927 | 10,346 | | 472,830 | 473,491 | 471,299 |
| Friday | 12/29/2017 | 22 | 43 | 1,849 | 79,507 | 451,955 | 10,511 | | 444,352 | 442,602 | 440,375 |
| Tuesday | 1/2/2018 | 23 | 42 | 1,764 | 74,088 | 481,485 | 11,464 | | 434,860 | 432,662 | 431,011 |
| Wednesday | 1/3/2018 | 28 | 37 | 1,369 | 50,653 | 412,195 | 11,140 | | 387,398 | 385,633 | 387,116 |
| Thursday | 1/4/2018 | 21 | 44 | 1,936 | 85,184 | 490,882 | 11,156 | | 453,845 | 452,720 | 450,149 |
| Friday | 1/5/2018 | 15 | 50 | 2,500 | 125,000 | 544,956 | 10,899 | | 510,799 | 517,171 | 522,587 |
| Monday | 1/15/2018 | 31 | 34 | 1,156 | 39,304 | 394,810 | 11,612 | | 358,920 | 359,554 | 359,796 |
| Wednesday | 1/17/2018 | 26 | 39 | 1,521 | 59,319 | 411,626 | 10,555 | | 406,383 | 403,910 | 404,458 |
| Thursday | 1/18/2018 | 32 | 33 | 1,089 | 35,937 | 379,044 | 11,486 | | 349,428 | 351,218 | 349,972 |
| Tuesday | 1/30/2018 | 30 | 35 | 1,225 | 42,875 | 383,370 | 10,953 | | 368,413 | 368,069 | 369,200 |
| Wednesday | 1/31/2018 | 32 | 33 | 1,089 | 35,937 | 358,262 | 10,856 | | 349,428 | 351,218 | 349,972 |
| Friday | 2/2/2018 | 25 | 40 | 1,600 | 64,000 | 418,656 | 10,466 | | 415,875 | 413,316 | 413,145 |
| Monday | 2/5/2018 | 32 | 33 | 1,089 | 35,937 | 344,431 | 10,437 | | 349,428 | 351,218 | 349,972 |
| Thursday | 2/8/2018 | 31 | 34 | 1,156 | 39,304 | 354,509 | 10,427 | | 358,920 | 359,554 | 359,796 |
| Friday | 1/11/2019 | 30 | 35 | 1,225 | 42,875 | 373,059 | 10,659 | | 368,413 | 368,069 | 369,200 |
| Monday | 1/14/2019 | 32 | 33 | 1,089 | 35,937 | 359,888 | 10,906 | | 349,428 | 351,218 | 349,972 |
| Tuesday | 1/22/2019 | 32 | 33 | 1,089 | 35,937 | 411,860 | 12,481 | | 349,428 | 351,218 | 349,972 |
| Monday | 1/28/2019 | 31 | 34 | 1,156 | 39,304 | 359,583 | 10,576 | | 358,920 | 359,554 | 359,796 |
| Wednesday | 1/30/2019 | 16 | 49 | 2,401 | 117,649 | 500,210 | 10,208 | | 501,307 | 505,984 | 508,411 |
| Thursday | 1/31/2019 | 17 | 48 | 2,304 | 110,592 | 522,949 | 10,895 | | 491,815 | 494,975 | 495,199 |
| Friday | 2/1/2019 | 18 | 47 | 2,209 | 103,823 | 503,750 | 10,718 | | 482,322 | 484,144 | 482,859 |
| Monday | 3/4/2019 | 32 | 33 | 1,089 | 35,937 | 344,300 | 10,433 | | 349,428 | 351,218 | 349,972 |
| Tuesday | 3/5/2019 | 28 | 37 | 1,369 | 50,653 | 374,021 | 10,109 | | 387,398 | 385,633 | 387,116 |
| Wednesday | 3/6/2019 | 26 | 39 | 1,521 | 59,319 | 424,011 | 10,872 | | 406,383 | 403,910 | 404,458 |
| Wednesday | 12/18/2019 | 31 | 34 | 1,156 | 39,304 | 374,998 | 11,029 | | 358,920 | 359,554 | 359,796 |
| Thursday | 12/19/2019 | 30 | 35 | 1,225 | 42,875 | 398,878 | 11,397 | | 368,413 | 368,069 | 369,200 |
| Friday | 1/17/2020 | 30 | 35 | 1,225 | 42,875 | 376,010 | 10,743 | | 368,413 | 368,069 | 369,200 |
| Monday | 1/20/2020 | 30 | 35 | 1,225 | 42,875 | 392,770 | 11,222 | | 368,413 | 368,069 | 369,200 |
| Tuesday | 1/21/2020 | 30 | 35 | 1,225 | 42,875 | 368,945 | 10,541 | | 368,413 | 368,069 | 369,200 |
| Friday | 2/14/2020 | 28 | 37 | 1,369 | 50,653 | 379,882 | 10,267 | | 387,398 | 385,633 | 387,116 |
| Wednesday | 12/16/2020 | 32 | 33 | 1,089 | 35,937 | 350,544 | 10,623 | | 349,428 | 351,218 | 349,972 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Thursday | 12/17/2020 | 32 | 33 | 1,089 | 35,937 | 340,535 | 10,319 | | 349,428 | 351,218 | 349,972 |
| Friday | 12/18/2020 | 31 | 34 | 1,156 | 39,304 | 351,024 | 10,324 | | 358,920 | 359,554 | 359,796 |
| Thursday | 1/28/2021 | 29 | 36 | 1,296 | 46,656 | 397,132 | 11,031 | | 377,905 | 376,762 | 378,276 |
| Friday | 1/29/2021 | 26 | 39 | 1,521 | 59,319 | 435,311 | 11,162 | | 406,383 | 403,910 | 404,458 |
| Monday | 2/8/2021 | 31 | 34 | 1,156 | 39,304 | 369,099 | 10,856 | | 358,920 | 359,554 | 359,796 |
| Thursday | 2/11/2021 | 31 | 34 | 1,156 | 39,304 | 372,372 | 10,952 | | 358,920 | 359,554 | 359,796 |
| Friday | 2/12/2021 | 32 | 33 | 1,089 | 35,937 | 382,510 | 11,591 | | 349,428 | 351,218 | 349,972 |
| Wednesday | 2/17/2021 | 32 | 33 | 1,089 | 35,937 | 361,205 | 10,946 | | 349,428 | 351,218 | 349,972 |
| Thursday | 2/18/2021 | 31 | 34 | 1,156 | 39,304 | 378,931 | 11,145 | | 358,920 | 359,554 | 359,796 |
| Monday | 12/20/2021 | 32 | 33 | 1,089 | 35,937 | 306,660 | 9,293 | | 349,428 | 351,218 | 349,972 |
| Monday | 1/3/2022 | 26 | 39 | 1,521 | 59,319 | 365,358 | 9,368 | | 406,383 | 403,910 | 404,458 |
| Tuesday | 1/4/2022 | 30 | 35 | 1,225 | 42,875 | 339,526 | 9,701 | | 368,413 | 368,069 | 369,200 |
| Friday | 1/7/2022 | 26 | 39 | 1,521 | 59,319 | 382,125 | 9,798 | | 406,383 | 403,910 | 404,458 |
| Monday | 1/10/2022 | 25 | 40 | 1,600 | 64,000 | 395,917 | 9,898 | | 415,875 | 413,316 | 413,145 |
| Tuesday | 1/11/2022 | 22 | 43 | 1,849 | 79,507 | 430,736 | 10,017 | | 444,352 | 442,602 | 440,375 |
| Friday | 1/14/2022 | 30 | 35 | 1,225 | 42,875 | 347,603 | 9,932 | | 368,413 | 368,069 | 369,200 |
| Thursday | 1/20/2022 | 26 | 39 | 1,521 | 59,319 | 401,778 | 10,302 | | 406,383 | 403,910 | 404,458 |
| Friday | 1/21/2022 | 20 | 45 | 2,025 | 91,125 | 452,113 | 10,047 | | 463,337 | 463,016 | 460,427 |
| Tuesday | 1/25/2022 | 32 | 33 | 1,089 | 35,937 | 335,127 | 10,155 | | 349,428 | 351,218 | 349,972 |
| Wednesday | 1/26/2022 | 23 | 42 | 1,764 | 74,088 | 408,142 | 9,718 | | 434,860 | 432,662 | 431,011 |
| Thursday | 1/27/2022 | 29 | 36 | 1,296 | 46,656 | 370,394 | 10,289 | | 377,905 | 376,762 | 378,276 |
| Friday | 1/28/2022 | 29 | 36 | 1,296 | 46,656 | 358,284 | 9,952 | | 377,905 | 376,762 | 378,276 |
| Monday | 1/31/2022 | 27 | 38 | 1,444 | 54,872 | 397,965 | 10,473 | | 396,890 | 394,683 | 395,813 |
| Monday | 2/14/2022 | 23 | 42 | 1,764 | 74,088 | 415,935 | 9,903 | | 434,860 | 432,662 | 431,011 |
| Tuesday | 2/15/2022 | 29 | 36 | 1,296 | 46,656 | 376,714 | 10,464 | | 377,905 | 376,762 | 378,276 |
| Thursday | 2/24/2022 | 32 | 33 | 1,089 | 35,937 | 306,964 | 9,302 | | 349,428 | 351,218 | 349,972 |
| Monday | 3/28/2022 | 29 | 36 | 1,296 | 46,656 | 363,722 | 10,103 | | 377,905 | 376,762 | 378,276 |
| Monday | 12/19/2022 | 32 | 33 | 1,089 | 35,937 | 330,778 | 10,024 | | 349,428 | 351,218 | 349,972 |
| Friday | 12/23/2022 | 17 | 48 | 2,304 | 110,592 | 432,228 | 9,005 | | 491,815 | 494,975 | 495,199 |
| Monday | 12/26/2022 | 28 | 37 | 1,369 | 50,653 | 384,676 | 10,397 | | 387,398 | 385,633 | 387,116 |
| Tuesday | 12/27/2022 | 32 | 33 | 1,089 | 35,937 | 327,006 | 9,909 | | 349,428 | 351,218 | 349,972 |
| Wednesday | 2/1/2023 | 31 | 34 | 1,156 | 39,304 | 307,888 | 9,056 | | 358,920 | 359,554 | 359,796 |
| Friday | 2/3/2023 | 19 | 46 | 2,116 | 97,336 | 437,719 | 9,516 | | 472,830 | 473,491 | 471,299 |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | 65 | 4,225 | 274,625 | 390,975 | 10,475 | | 653,186 | 706,359 | 913,742 |
| | | | Count>>>> | **69** | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| **Firm Sendout Projection Based Data From 18-22** | | | | | | | | | | | |

| Data for Daily Temperatures <= 32 Degrees Fahrenheit | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |
| | | | | | | | | Degrees of | Critical | @ 97.5% |
| | | | R Squared | | Change | Student's T | | Freedom | Value | Significant |
| | | | 0.784848 | | 0.784848 | 15.633537 | | 67 | 2.00 | Yes |
| | | | 0.786259 | | 0.001411 | 0.660028 | | 66 | 2.00 | No |
| | | | 0.787081 | | 0.000822 | 0.501008 | | 65 | 2.00 | No |
| | | | | | | | | | | |
| | Degrees of Freedom | | | | | 67 | | 66 | 65 | |
| | 97.5% Significance Level | | | | | 2.00 | | 2.00 | 2.00 | |
| | 95.0% Significance Level | | | | | 1.67 | | 1.67 | 1.67 | |
| | | | | | | | | | | |
| LinearProjection at Zero Degrees Fahrenheit | | | | | 653,186 | Mcf | | | | |
| Linear Projection at 15 Degrees Fahrenheit | | | | | 510,799 | Mcf | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| *'s T = Square Root[(Increase * Degrees of Freedom)/(1 - R Squared)]* | | | | | | | | | | |
| | | | | | | | | | | |
| *Linear SO = Constant + (X * X Coefficient)* | | | | | | | | | | |
| | | | | | | | | | | |
| *dratic SO = Constant + ( X * X Coeff) + (X1u2□* X1u2□Coeff)* | | | | | | | | | | |
| | | | | | | | | | | |
| *tant + ( X * X Coeff) + (X1u2□* X1u2□Coeff) + (X1u3□* X1u3□Coeff)* | | | | | | | | | | |
| | | | | | | | | | | |

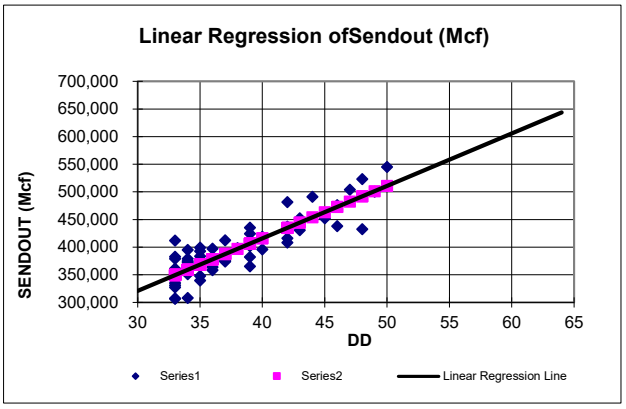
# Linear Regression Confidence Level Table

| | | | Projected | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Firm | Linear Firm | Difference Actual | Actual Versus | | (Degree | | | | | | | | |
| | Degree | Sendout | Sendout | Versus | Projected | (Degree Days - | Days - Xm) | | | | | | | | |
| | Days | (Mcf) | (Mcf) | Projected | Squared | Xm) | Squared | | | Lower Acc | Upper Acc | "- 1 SD" | "+ 1 SD" | "- 2 SD" | "+ 2 SD" |
| Count | X | Y | Ydc | Y - Yc | (Y - Yc)² | X - Xm | (X - Xm)² | sdyc | t*sdyc | Lower | Ydc∓ t*sdydc | Lower | Ydc∓ sdydc | Lower | Ydc∓ 2sdydc |
| 1 | 33 | 379,044 | 349,428 | 29,616 | 877,113,606 | (4) | 19 | 3,891 | 7,763 | 341,665 | 357,191 | 326,161 | 372,695 | 302,894 | 395,962 |
| 2 | 33 | 358,262 | 349,428 | 8,834 | 78,042,909 | (4) | 19 | 3,891 | 7,763 | 341,665 | 357,191 | 326,161 | 372,695 | 302,894 | 395,962 |
| 3 | 33 | 344,431 | 349,428 | (4,997) | 24,967,692 | (4) | 19 | 3,891 | 7,763 | 341,665 | 357,191 | 326,161 | 372,695 | 302,894 | 395,962 |
| 4 | 33 | 359,888 | 349,428 | 10,461 | 109,422,450 | (4) | 19 | 3,891 | 7,763 | 341,665 | 357,191 | 326,161 | 372,695 | 302,894 | 395,962 |
| 5 | 33 | 411,860 | 349,428 | 62,433 | 3,897,819,384 | (4) | 19 | 3,891 | 7,763 | 341,665 | 357,191 | 326,161 | 372,695 | 302,894 | 395,962 |
| 6 | 33 | 344,300 | 349,428 | (5,128) | 26,295,372 | (4) | 19 | 3,891 | 7,763 | 341,665 | 357,191 | 326,161 | 372,695 | 302,894 | 395,962 |
| 7 | 33 | 350,544 | 349,428 | 1,116 | 1,246,248 | (4) | 19 | 3,891 | 7,763 | 341,665 | 357,191 | 326,161 | 372,695 | 302,894 | 395,962 |
| 8 | 33 | 340,535 | 349,428 | (8,893) | 79,086,819 | (4) | 19 | 3,891 | 7,763 | 341,665 | 357,191 | 326,161 | 372,695 | 302,894 | 395,962 |
| 9 | 33 | 382,510 | 349,428 | 33,082 | 1,094,428,595 | (4) | 19 | 3,891 | 7,763 | 341,665 | 357,191 | 326,161 | 372,695 | 302,894 | 395,962 |
| 10 | 33 | 361,205 | 349,428 | 11,777 | 138,706,129 | (4) | 19 | 3,891 | 7,763 | 341,665 | 357,191 | 326,161 | 372,695 | 302,894 | 395,962 |
| 11 | 33 | 306,660 | 349,428 | (42,768) | 1,829,120,736 | (4) | 19 | 3,891 | 7,763 | 341,665 | 357,191 | 326,161 | 372,695 | 302,894 | 395,962 |
| 12 | 33 | 335,127 | 349,428 | (14,301) | 204,516,644 | (4) | 19 | 3,891 | 7,763 | 341,665 | 357,191 | 326,161 | 372,695 | 302,894 | 395,962 |
| 13 | 33 | 306,964 | 349,428 | (42,464) | 1,803,190,631 | (4) | 19 | 3,891 | 7,763 | 341,665 | 357,191 | 326,161 | 372,695 | 302,894 | 395,962 |
| 14 | 33 | 330,778 | 349,428 | (18,650) | 347,829,265 | (4) | 19 | 3,891 | 7,763 | 341,665 | 357,191 | 326,161 | 372,695 | 302,894 | 395,962 |
| 15 | 33 | 327,006 | 349,428 | (22,422) | 502,756,459 | (4) | 19 | 3,891 | 7,763 | 341,665 | 357,191 | 326,161 | 372,695 | 302,894 | 395,962 |
| 16 | 34 | 356,549 | 358,920 | (2,371) | 5,623,080 | (3) | 11 | 3,505 | 6,992 | 351,928 | 365,912 | 335,653 | 382,187 | 312,386 | 405,454 |
| 17 | 34 | 354,093 | 358,920 | (4,827) | 23,302,085 | (3) | 11 | 3,505 | 6,992 | 351,928 | 365,912 | 335,653 | 382,187 | 312,386 | 405,454 |
| 18 | 34 | 394,810 | 358,920 | 35,890 | 1,288,091,225 | (3) | 11 | 3,505 | 6,992 | 351,928 | 365,912 | 335,653 | 382,187 | 312,386 | 405,454 |
| 19 | 34 | 354,509 | 358,920 | (4,411) | 19,460,073 | (3) | 11 | 3,505 | 6,992 | 351,928 | 365,912 | 335,653 | 382,187 | 312,386 | 405,454 |
| 20 | 34 | 359,583 | 358,920 | 663 | 439,660 | (3) | 11 | 3,505 | 6,992 | 351,928 | 365,912 | 335,653 | 382,187 | 312,386 | 405,454 |
| 21 | 34 | 374,998 | 358,920 | 16,078 | 258,499,863 | (3) | 11 | 3,505 | 6,992 | 351,928 | 365,912 | 335,653 | 382,187 | 312,386 | 405,454 |
| 22 | 34 | 351,024 | 358,920 | (7,897) | 62,354,914 | (3) | 11 | 3,505 | 6,992 | 351,928 | 365,912 | 335,653 | 382,187 | 312,386 | 405,454 |
| 23 | 34 | 369,099 | 358,920 | 10,179 | 103,610,793 | (3) | 11 | 3,505 | 6,992 | 351,928 | 365,912 | 335,653 | 382,187 | 312,386 | 405,454 |
| 24 | 34 | 372,372 | 358,920 | 13,452 | 180,955,010 | (3) | 11 | 3,505 | 6,992 | 351,928 | 365,912 | 335,653 | 382,187 | 312,386 | 405,454 |
| 25 | 34 | 378,931 | 358,920 | 20,011 | 400,423,924 | (3) | 11 | 3,505 | 6,992 | 351,928 | 365,912 | 335,653 | 382,187 | 312,386 | 405,454 |
| 26 | 34 | 307,888 | 358,920 | (51,032) | 2,604,303,931 | (3) | 11 | 3,505 | 6,992 | 351,928 | 365,912 | 335,653 | 382,187 | 312,386 | 405,454 |
| 27 | 35 | 383,370 | 368,413 | 14,958 | 223,727,119 | (2) | 6 | 3,188 | 6,360 | 362,053 | 374,773 | 345,146 | 391,680 | 321,879 | 414,947 |
| 28 | 35 | 373,059 | 368,413 | 4,647 | 21,591,068 | (2) | 6 | 3,188 | 6,360 | 362,053 | 374,773 | 345,146 | 391,680 | 321,879 | 414,947 |
| 29 | 35 | 398,878 | 368,413 | 30,465 | 928,123,096 | (2) | 6 | 3,188 | 6,360 | 362,053 | 374,773 | 345,146 | 391,680 | 321,879 | 414,947 |
| 30 | 35 | 376,010 | 368,413 | 7,597 | 57,715,421 | (2) | 6 | 3,188 | 6,360 | 362,053 | 374,773 | 345,146 | 391,680 | 321,879 | 414,947 |
| 31 | 35 | 392,770 | 368,413 | 24,357 | 593,262,444 | (2) | 6 | 3,188 | 6,360 | 362,053 | 374,773 | 345,146 | 391,680 | 321,879 | 414,947 |
| 32 | 35 | 368,945 | 368,413 | 533 | 283,631 | (2) | 6 | 3,188 | 6,360 | 362,053 | 374,773 | 345,146 | 391,680 | 321,879 | 414,947 |
| 33 | 35 | 339,526 | 368,413 | (28,887) | 834,449,609 | (2) | 6 | 3,188 | 6,360 | 362,053 | 374,773 | 345,146 | 391,680 | 321,879 | 414,947 |
| 34 | 35 | 347,603 | 368,413 | (20,809) | 433,033,858 | (2) | 6 | 3,188 | 6,360 | 362,053 | 374,773 | 345,146 | 391,680 | 321,879 | 414,947 |
| 35 | 36 | 373,407 | 377,905 | (4,498) | 20,232,691 | (1) | 2 | 2,963 | 5,911 | 371,994 | 383,816 | 354,638 | 401,172 | 331,371 | 424,439 |
| 36 | 36 | 397,132 | 377,905 | 19,227 | 369,688,250 | (1) | 2 | 2,963 | 5,911 | 371,994 | 383,816 | 354,638 | 401,172 | 331,371 | 424,439 |
| 37 | 36 | 370,394 | 377,905 | (7,511) | 56,417,368 | (1) | 2 | 2,963 | 5,911 | 371,994 | 383,816 | 354,638 | 401,172 | 331,371 | 424,439 |
| 38 | 36 | 358,284 | 377,905 | (19,621) | 385,003,159 | (1) | 2 | 2,963 | 5,911 | 371,994 | 383,816 | 354,638 | 401,172 | 331,371 | 424,439 |
| 39 | 36 | 376,714 | 377,905 | (1,192) | 1,419,777 | (1) | 2 | 2,963 | 5,911 | 371,994 | 383,816 | 354,638 | 401,172 | 331,371 | 424,439 |
| 40 | 36 | 363,722 | 377,905 | (14,184) | 201,176,905 | (1) | 2 | 2,963 | 5,911 | 371,994 | 383,816 | 354,638 | 401,172 | 331,371 | 424,439 |
| 41 | 37 | 375,049 | 387,398 | (12,349) | 152,497,662 | (0) | 0 | 2,852 | 5,689 | 381,709 | 393,087 | 364,131 | 410,665 | 340,864 | 433,931 |
| 42 | 37 | 412,195 | 387,398 | 24,798 | 614,916,192 | (0) | 0 | 2,852 | 5,689 | 381,709 | 393,087 | 364,131 | 410,665 | 340,864 | 433,931 |
| 43 | 37 | 374,021 | 387,398 | (13,377) | 178,936,122 | (0) | 0 | 2,852 | 5,689 | 381,709 | 393,087 | 364,131 | 410,665 | 340,864 | 433,931 |
| 44 | 37 | 379,882 | 387,398 | (7,515) | 56,481,069 | (0) | 0 | 2,852 | 5,689 | 381,709 | 393,087 | 364,131 | 410,665 | 340,864 | 433,931 |
| 45 | 37 | 384,676 | 387,398 | (2,722) | 7,408,744 | (0) | 0 | 2,852 | 5,689 | 381,709 | 393,087 | 364,131 | 410,665 | 340,864 | 433,931 |
| 46 | 38 | 397,965 | 396,890 | 1,075 | 1,155,558 | 1 | 0 | 2,868 | 5,721 | 391,169 | 402,611 | 373,623 | 420,157 | 350,356 | 443,424 |
| 47 | 39 | 411,626 | 406,383 | 5,243 | 27,492,190 | 2 | 3 | 3,009 | 6,002 | 400,381 | 412,385 | 383,116 | 429,649 | 359,849 | 452,916 |
| 48 | 39 | 424,011 | 406,383 | 17,628 | 310,760,472 | 2 | 3 | 3,009 | 6,002 | 400,381 | 412,385 | 383,116 | 429,649 | 359,849 | 452,916 |
| 49 | 39 | 435,311 | 406,383 | 28,928 | 836,827,689 | 2 | 3 | 3,009 | 6,002 | 400,381 | 412,385 | 383,116 | 429,649 | 359,849 | 452,916 |
| 50 | 39 | 365,358 | 406,383 | (41,024) | 1,682,972,902 | 2 | 3 | 3,009 | 6,002 | 400,381 | 412,385 | 383,116 | 429,649 | 359,849 | 452,916 |
| 51 | 39 | 382,125 | 406,383 | (24,258) | 588,451,261 | 2 | 3 | 3,009 | 6,002 | 400,381 | 412,385 | 383,116 | 429,649 | 359,849 | 452,916 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 52 | 39 | 401,778 | 406,383 | (4,604) | 21,200,976 | 2 | 3 | 3,009 | 6,002 | 400,381 | 412,385 | 383,116 | 429,649 | 359,849 | 452,916 |
| 53 | 40 | 418,656 | 415,875 | 2,781 | 7,735,997 | 3 | 7 | 3,258 | 6,500 | 409,375 | 422,375 | 392,608 | 439,142 | 369,341 | 462,409 |
| 54 | 40 | 395,917 | 415,875 | (19,958) | 398,307,754 | 3 | 7 | 3,258 | 6,500 | 409,375 | 422,375 | 392,608 | 439,142 | 369,341 | 462,409 |
| 55 | 42 | 436,899 | 434,860 | 2,039 | 4,159,461 | 5 | 21 | 3,995 | 7,970 | 426,890 | 442,830 | 411,593 | 458,127 | 388,326 | 481,394 |
| 56 | 42 | 481,485 | 434,860 | 46,625 | 2,173,879,028 | 5 | 21 | 3,995 | 7,970 | 426,890 | 442,830 | 411,593 | 458,127 | 388,326 | 481,394 |
| 57 | 42 | 408,142 | 434,860 | (26,718) | 713,850,177 | 5 | 21 | 3,995 | 7,970 | 426,890 | 442,830 | 411,593 | 458,127 | 388,326 | 481,394 |
| 58 | 42 | 415,935 | 434,860 | (18,925) | 358,158,532 | 5 | 21 | 3,995 | 7,970 | 426,890 | 442,830 | 411,593 | 458,127 | 388,326 | 481,394 |
| 59 | 43 | 451,955 | 444,352 | 7,602 | 57,794,921 | 6 | 32 | 4,443 | 8,863 | 435,489 | 453,215 | 421,085 | 467,619 | 397,819 | 490,886 |
| 60 | 43 | 430,736 | 444,352 | (13,616) | 185,395,192 | 6 | 32 | 4,443 | 8,863 | 435,489 | 453,215 | 421,085 | 467,619 | 397,819 | 490,886 |
| 61 | 44 | 490,882 | 453,845 | 37,037 | 1,371,771,944 | 7 | 44 | 4,925 | 9,825 | 444,020 | 463,670 | 430,578 | 477,112 | 407,311 | 500,379 |
| 62 | 45 | 452,113 | 463,337 | (11,224) | 125,982,717 | 8 | 58 | 5,432 | 10,836 | 452,501 | 474,174 | 440,070 | 486,604 | 416,803 | 509,871 |
| 63 | 46 | 475,927 | 472,830 | 3,098 | 9,596,303 | 9 | 74 | 5,958 | 11,886 | 460,944 | 484,715 | 449,563 | 496,097 | 426,296 | 519,364 |
| 64 | 46 | 437,719 | 472,830 | (35,111) | 1,232,771,036 | 9 | 74 | 5,958 | 11,886 | 460,944 | 484,715 | 449,563 | 496,097 | 426,296 | 519,364 |
| 65 | 47 | 503,750 | 482,322 | 21,428 | 459,139,079 | 10 | 93 | 6,498 | 12,963 | 469,359 | 495,285 | 459,055 | 505,589 | 435,788 | 528,856 |
| 66 | 48 | 522,949 | 491,815 | 31,135 | 969,373,967 | 11 | 113 | 7,049 | 14,062 | 477,752 | 505,877 | 468,548 | 515,082 | 445,281 | 538,348 |
| 67 | 48 | 432,228 | 491,815 | (59,586) | 3,550,535,368 | 11 | 113 | 7,049 | 14,062 | 477,752 | 505,877 | 468,548 | 515,082 | 445,281 | 538,348 |
| 68 | 49 | 500,210 | 501,307 | (1,097) | 1,202,704 | 12 | 135 | 7,608 | 15,179 | 486,128 | 516,486 | 478,040 | 524,574 | 454,773 | 547,841 |
| 69 | 50 | 544,956 | 510,799 | 34,156 | 1,166,641,249 | 13 | 159 | 8,175 | 16,309 | 494,491 | 527,108 | 487,533 | 534,066 | 464,266 | 557,333 |
| | | | | | | | | | | | | | | | |
| | 65 | | 653,186 | (653,186) | 426,652,272,318 | 28 | 763 | 17,012 | 33,938 | 619,248 | 687,124 | 629,919 | 676,453 | 606,652 | 699,720 |
| | | | | | | | | | | | | | | | |
| ***Tot/Avg*** | **37** | **390,975** | **390,975** | | **37,353,128,156** | | **1,512** | | | | | | | | |
| | | | | | | | | | *t* = *2.00* | | | | | | |
| **Xm =** | 37 | | | | | | | | | | | | | | |
| **Population Variance=** | | | | | **541,349,683** | | | | | | | | | | |
| | | | | | | | **Upper Range** | | **Lower Range** | | | | | | |
| **Population Standard Deviation of Regression =** | | | | | 23,267 | **1s** | 414,241 | | 367,708 | | | | | | |
| | | | | | | **2s** | 437,508 | | 344,441 | | | | | | |
| | | | | | | | | | | | | | | | |
| **Standard error of sendout projection** | | | | | **23,612** | | | | | | | | | | |
| **T-factor** | | | | | **2.00** | | | | | | | | | | |
| **(T factor) * (Std error of projection)** | | | | | 47,105 | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

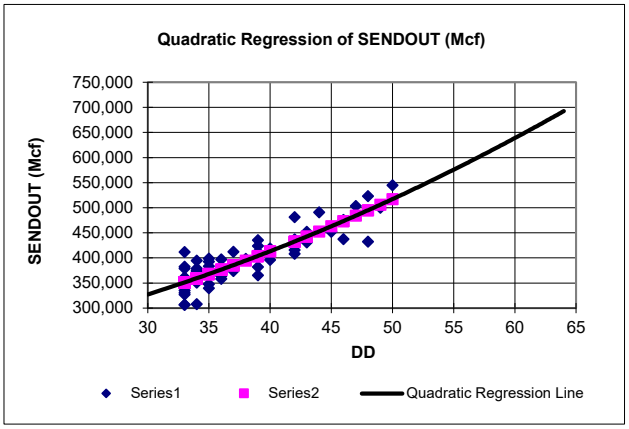
| **Regression Results** | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Winter 18-23** | | | | | | | | | | | | | | |
| **Based On Data for Daily Temperatures <= 32 Degrees Fahrenheit** | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | **Regression Output:** | | | | | **Quadratic** | | | | | **Cubic** | | | |
| | Regression Output: | | | | | Regression Output: | | | | | Regression Output: | | | |
| Constant | | | 36,177 | | Constant | | | 176,056 | | Constant | | | (814,353) | |
| Std Err of Y Est | | | 22,872 | | Std Err of Y Est | | | 213,169 | | Std Err of Y Est | | | 1,988,422 | |
| R Squared | | | 0.7848 | | R Squared | | | 0.7863 | | R Squared | | | 0.7871 | |
| No. of Observations | | | 69 | | No. of Observations | | | 69 | | No. of Observations | | | 69 | |
| Degrees of Freedom | | | 67 | | Degrees of Freedom | | | 66 | | Degrees of Freedom | | | 65 | |
| | | | | | | | X | X^2 | | | | X | X^2 | X^3 |
| X Coefficient(s) | | 9,492 | | | X Coefficient(s) | | 2368.2741 | 89 | | X Coefficient(s) | | 77,256 | (1,780) | 15 |
| Std Err of Coef. | | 607 | | | Std Err of Coef. | | 10810.9638 | 135 | | Std Err of Coef. | | 149,870 | 3,733 | 31 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| Zero Degree Temp Sendout | | | 653,186 | | | | | 706,359 | | | | | 913,742 | |
| DD | 65 | | | | | | | | | | | | | |

**Regression Chart Analysis**
**Based Upon Data For Temperatures Of <=32 Degrees F.**
**Winters 18-23**



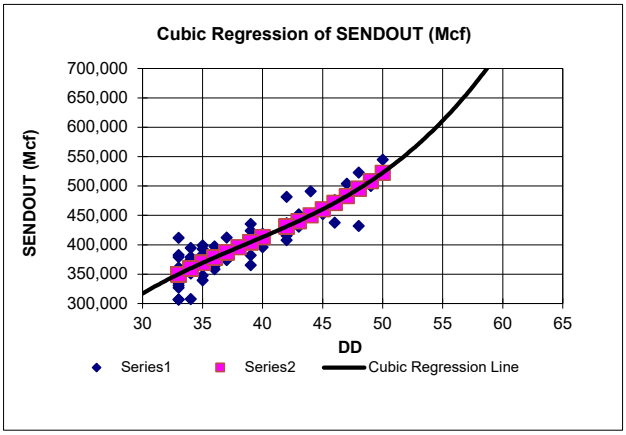

**Linear Regression Output**

| | | |
|---|---|---|
| Constant | | 36,177 |
| Std. Error of Y Estimate | | 22,872 |
| R Squared | | 0.785 |
| Number of Observations | | 69 |
| Degrees of Freedom | | 67 |
| | **X** | |
| X Coefficient | 9492 | |
| Std. Err. Of Coefficeint | 607 | |




**Quadratic Regression Output**

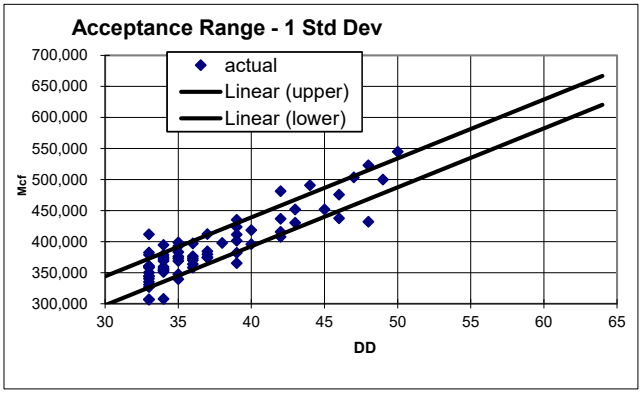
| | | |
|---|---|---|
| Constant | | 176,056 |
| Std. Error of Y Estimate | | 213,169 |
| R Squared | | 0.786 |
| Number of Observations | | 69 |
| Degrees of Freedom | | 66 |
| | **X** | **X ^ 2** |
| X Coefficient | 2,368 | 89 |
| Std. Err. Of Coefficeint | 10,811 | 135 |




**Cubic Regression Output**

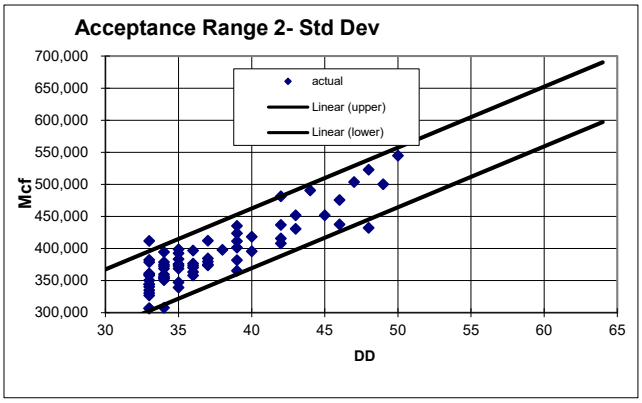
| | | | |
|---|---|---|---|
| Constant | | (814,353) | |
| Std. Error of Y Estimate | | 1,988,422 | |
| R Squared | | 0.787 | |
| Number of Observations | | 69 | |
| Degrees of Freedom | | 65 | |
| | **X** | **X ^ 2** | **X ^ 3** |
| X Coefficient | 77256 | (1780) | 15 |
| Std. Err. Of Coefficeint | 149870 | 3733 | 31 |

**Regression Chart Analysis**
**Based Upon Data For Temperatures Of <=32 Degrees F.**
**Winters 18-23**



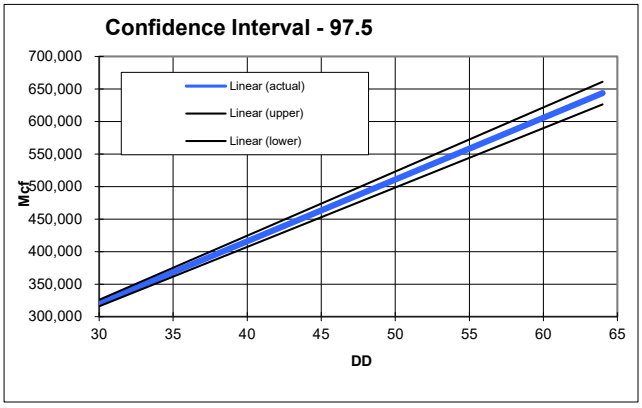

**Acceptance Range @ 1 Standard Deviation**

| | |
|---|---|
| Regression Squared | 541,349,683 |
| Regression | 23,267 |
| | |
| Upper Range 1sd | 414,241 |
| Lower Range 1sd | 367,708 |




**Acceptance Range @ 2 Standard Deviation**

| | |
|---|---|
| Regression Squared | 541,349,683 |
| Regression | 23,267 |
| | |
| Upper Range 2sd | 437,508 |
| Lower Range 2sd | 344,441 |




**Confidence Interval: 97.5%**

| | |
|---|---|
| Regression Squared | 541,349,683 |
| Standard error of sendout projection | 23,612 |
| | |
| X Mean | 37 |
| T Distribution | 2.00 |

# Tab No. 13

53.64(c)(14)

Docket No. R-2024-XXXXXX
Tab 13 Item 53.64(c)(14)

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

**Item 53.64(c)(14)**

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:

(14) Analysis and data demonstrating, on an historic and projected future basis, the minimum gas entitlements needed to provide reliable and uninterrupted service to priority one customers during peak periods.

**Response:**

Attached is the *Siemans Peak Day Regression Model Reviews* dated January 14, 2019 and December 20, 2019.

SIEMENS
*Ingenuity for life*

**MEMO TO:** PHILADELPHIA GAS WORK (PGW)

**FROM:** Holt Bradshaw, Amit Gohil

**DATE:** 1/14/2019

**SUBJECT:** PGW'S PEAK DAY REGRESSION MODEL REVIEW

This memorandum describes Siemens' assessment of the PGWs peak day regression analysis, and an evaluation of the regression models developed by PGW.

## Executive Summary

We carried out the evaluation of the three regression models provided by PGW in two steps – the first step was the preliminary (or intuitive) evaluation; and the second step was the more rigorous evaluation to test the statistical validity of the regression parameters and the overall model. We also carried out an independent regression analysis using MS Excel based on the weather and send out data provided by PGW and verified the completeness and accuracy of the regression parameters and the associated statistical results for each of the three regression models developed by PGW.

We also believe that the selection of the zero degree day condition for planning purposes is prudent given that the probability of the actual system send out exceeding the capacity as predicted by the zero degree day condition is extremely low (once in 80 years).

In our preliminary evaluation, we concluded that the Linear model confirms the intuitive positive relationship between severity of weather, as measured by HDDs, and natural gas demand. It also explains over 75% of the historical variability observed in peak send outs. Adding polynomials of higher orders to the liner model does not improve the "goodness of fit" as measured by Adjusted $R^2$. So, we conclude that the Linear model is preferred based on our preliminary evaluation.

Next, we conducted tests for statistical significance of the regression coefficients and the overall regression model. The Linear, Quadratic, and Cubic regression models that PGW developed are progressively nested. While comparing nested models, where an additional independent variable is added to the regression model, the t-test performs better than the overall F-test. The t-tests indicated that the regression coefficients of independent variables such as $HDD^2$ and $HDD^3$ (see Table 1) in the Quadratic and Cubic models cannot be statistically claimed to be different from zero.

A good, parsimonious regression model is preferred over complicated models with multiple independent variables, especially when these variables do not add to the explanatory or predictive value of the model. In the light of the statistical tests, we recommend that PGW use the Linear regression model specified in Table 1.

In summary, after our evaluation of PGW's regression models, we conclude that the Linear Model developed by PGW is fit for the purpose it is required to serve, which is to reliably predict the peak requirements that PGW's system should be prepared to serve during a design winter scenario.

## PGW's Peak Day Analysis

PGW performs a peak day analysis on an annual basis to determine its projected send out requirements during peak conditions. Essentially this process is completed by collecting send out and average temperature data for all days where the temperature is at or below 32 degrees Fahrenheit, excluding holidays and weekends. All interruptible transportation volumes are removed from total send out to arrive at firm send out on a daily basis.

For this analysis, PGW utilized data from the period winter of FY 15-16 through FY 18-19 which would reflect the most current consumption behaviors of its customers. This period yielded 51 data points where the average temperature was at or below 32 degrees Fahrenheit. A standard linear regression was performed on the data using the calculated Heating Degree-Days (HDDs) and the actual firm daily send out information. Additionally, in order to confirm the accuracy of the analysis, and to smooth the charting of the data, a Quadratic and a Cubic regression analysis were also completed. The resulting models are presented in the following table.

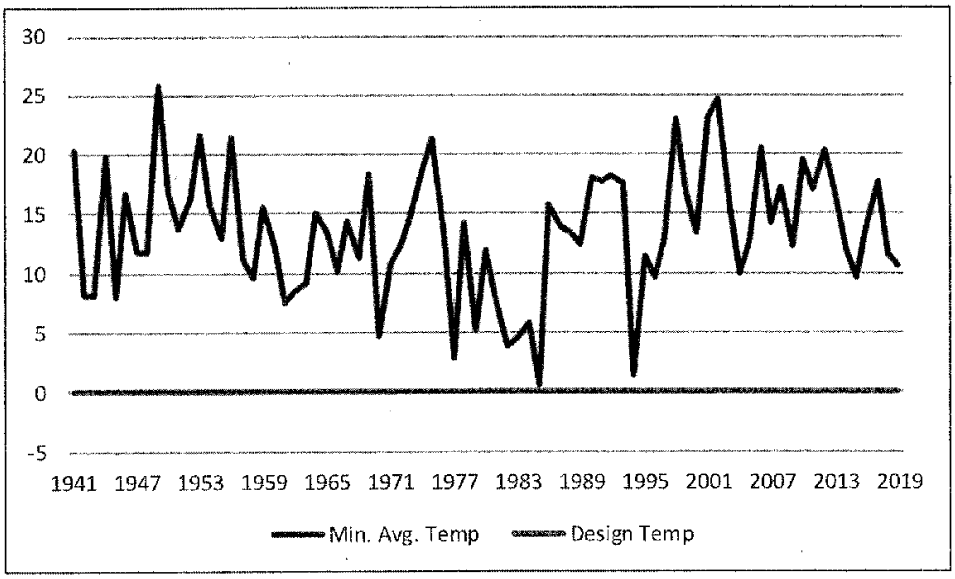
**Table 1: PGW's Regression Models**

| | | |
|---|---|---|
| Linear | $y = -20{,}428.25 + 11{,}020.93\,x$ | where y = actual firm send out in Mcf; $x = HDD$; $x^2 = HDD^2$; and $x^3 = HDD^3$ |
| Quadratic | $y = -17{,}841.06 + 10{,}889.99\,x + 1.63\,x^2$ | |
| Cubic | $y = -302{,}369.81 + 32{,}332.30\,x - 531.69\,x^2 + 4.38\,x^3$ | |

Source: PGW

PGW performs its capacity planning using the "Design Day" methodology, which assumes that peak demand for planning purposes occurs on the day(s) when the average daily temperature is 0 degree Fahrenheit - this is equivalent to a winter day with 65 heating degree days (HDDs). As can be seen from Exhibit 1, the probability of meeting design day conditions remains approximately once in 80 years based on the data from National Oceanic and Atmospheric Administration (NOAA). This probability may even be lower given the historical data only consider data from the past 80 years. Selection of such a low probability event, to determine the largest amount of gas that PGW must deliver to meet system requirements and maintain system integrity, is prudent in our opinion.

**Exhibit 1: Coldest Days in Philadelphia By Year**




Source: National Climatic Data Center (NCDC), National Oceanic and Atmospheric Administration (NOAA)

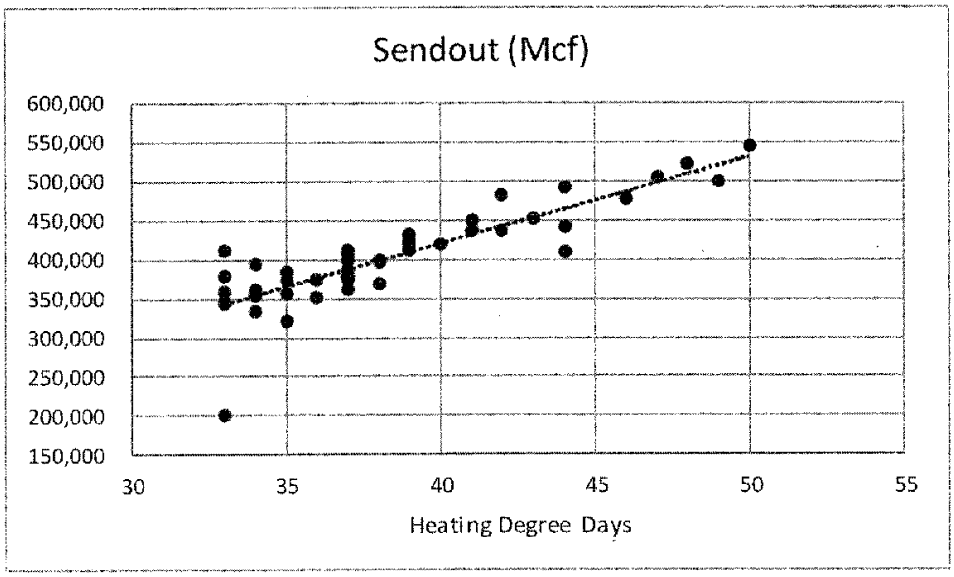
In the following sections, we review the underlying methodology of PGW's Linear, Quadratic, and Cubic models, evaluate their relative statistical significance and present our observations and recommendations.

We carry out the evaluation of the regression model in two steps – the first step is the preliminary (or sometimes referred to as intuitive) evaluation; and the second step is the more rigorous evaluation to test the statistical validity of the regression parameters and the overall model.

## Preliminary Evaluation

In our preliminary evaluation, we are testing if the dependent variable can be intuitively explained by the independent variable(s) considered in the regression model(s). In the Peak Day Analysis, PGW's actual firm send out on the peak day is the explained (or dependent) variable, whereas the HDDs representing the number of degrees that a day's average temperature is below 65° Fahrenheit, which is the temperature below which buildings need to be heated, is the independent variable. The scatter plot presented in Exhibit 2 provides reasonable visual evidence of a linear relationship between the 2 variables. In addition to the linear relationship, PGW has considered a quadratic and cubic relationship between the firm send out and HDDs.

**Exhibit 2: Scatter Plot**




Source: PGW

In our preliminary evaluation, we also examine the Coefficient of Determination or commonly known as the $R^2$. For the Quadratic and Cubic models, we use the $R^2$ adjusted for the number of terms in the model. The $R^2$ or the Adjusted $R^2$ measures the percentage of variation in the dependent variable that can be explained by the variation in the independent variables in the regression model. We also examine the magnitude and sign of each regression coefficient and the results are presented in the table below.

**Table 2: Preliminary Evaluation Results**

| Regression Model | % Variation Explained | Effect on Explained Variable |
|---|---|---|
| Linear | 75.44 % of variation in send out explained by *HDDs* | Send out positively affected by *HDD* |
| Quadratic | 74.41 % of variation in send out explained by a combination of $HDD$, and $HDD^2$ variables | Send out positively affected by $HDD$ and $HDD^2$ variables |
| Cubic | 73.88 % of variation in send out explained by a combination of $HDD$, $HDD^2$, and $HDD^3$ variables | Send out positively affected by $HDD$, negatively affected by $HDD^2$, and positively affected by $HDD^3$ variables |

Source: PGW

As can be seen from Table 2, adding polynomials of higher orders to the regression equation does not improve the "goodness of fit" as measured by Adjusted $R^2$. The Linear model confirms the intuitive positive relationship between severity of weather, as measured by HDDs, and

natural gas load. It also explains a large portion of the historical variability observed in peak send outs, so it is the preferred model based on our preliminary evaluation.

Next, we perform a more rigorous statistical evaluation of the 3 models.

## Statistical Evaluation

### Testing for Statistical Significance of Slope Coefficients

The second step in our evaluation is to test for statistical significance of the coefficients of the independent variables in the regression models. It should be noted that the regression analysis only provides point estimates of these regression coefficients, so it becomes important to statistically test how representative are these of the true coefficients. This is achieved by computing confidence intervals for the regression coefficients and conducting hypothesis testing using p-values.

#### *Confidence Intervals*

To determine whether the independent variable(s) truly have an effect on the explained variable, we find a confidence interval around the point estimates of each of the coefficients of the independent variables in the regression. If the confidence interval contains 0, then we have significant statistical evidence to believe that the independent variable in question has no effect on the dependent variable. The 97.5% confidence intervals displayed in Table 3 are calculated using:

$$(point\ estimate) \pm (t - critical\ value) \times (standard\ error)$$

with n-k degrees of freedom, where k is the number of parameters that are being estimated (number of regression coefficients in this case).

**Table 3: Confidence Intervals Surrounding the Regression Coefficients**

| Model | HDD | | $HDD^2$ | | $HDD^3$ | |
|---|---|---|---|---|---|---|
| | Lower Endpoint | Upper Endpoint | Lower Endpoint | Upper Endpoint | Lower Endpoint | Upper Endpoint |
| Linear | 8,943.68 | 13,098.19 | N/A | N/A | N/A | N/A |
| Quadratic | -23,964.40 | 45,744.39 | -431.44 | 434.70 | N/A | N/A |
| Cubic | -455,118.95 | 519,783.54 | -12,631.93 | 11,568.55 | -94.86 | 103.61 |

Source: PGW

As can be clearly seen from Table 3, with 97.5% confidence, we cannot rule out that the coefficients of the independent variables in the Quadratic and Cubic models will not assume a value of 0. In this instance, only the Linear model has a statistically significant coefficient which is not zero. We can be 97.5% confident, that using the Linear model a unit increase in HDD will lead to an increase in send out ranging between 8,944 and13,098 Mcf.

***Hypothesis Testing***

In addition to the confidence intervals, we also use Hypothesis Testing to determine whether the independent variable(s) truly have an effect on the explained variable. If there is no relationship between these variables, the coefficients of the independent variables will be 0 and vice versa. In order to statistically test the relationship, we construct a hypothesis as follows:

Determine if there is overwhelming evidence at the 0.05 significance level ($\alpha = 0.05$) of a linear relationship between the peak day send out and the HDDs observed on that day (or $HDD^2$ or $HDD^3$).

$$H_0: \beta_i = 0$$
$$H_\alpha: \beta_i \neq 0$$
$$\alpha = 0.05$$

We will use a *t*-test with n-k degrees of freedom, where k is the number of parameters that are being estimated (number of regression coefficients in this case). Our sample test statistic is given in the "t Stat" column in Table 4. We will use the p-value method to test the above hypothesis. The P-value is the probability of observing a test statistic more extreme than what was observed during the regression analysis assuming that the null hypothesis is true. Thus, at a 0.05 significance level, if the p-value is less than 0.05, we reject the null hypothesis $H_0$ that $\beta_i = 0$.

**Table 4: Hypothesis Testing Results**

| | HDD | | $HDD^2$ | | $HDD^3$ | |
|---|---|---|---|---|---|---|
| **Model** | **t Stat** | **P-value** | **t Stat** | **P-value** | **t Stat** | **P-value** |
| **Linear** | 12.27 | 1.4915E-16 | N/A | N/A | N/A | N/A |
| **Quadratic** | 0.72 | 0.47 | 0.01 | 0.99 | N/A | N/A |
| **Cubic** | 0.15 | 0.88 | -0.10 | 0.92 | 0.10 | 0.92 |

Source: PGW

From the p-values in Table 4, it is evident that at 0.05 significance level we cannot reject the null hypothesis that the coefficient of $HDD^2$ and $HDD^3$ in the Quadratic and Cubic models is zero. Only the HDD coefficient in the Linear model can be concluded to be non-zero at the 0.05 significance level.

**Overall Test of Significance of the Regression Model**

The F-test of overall significance indicates whether the given linear regression model provides a better fit to the data than a model that contains no independent variables (i.e. an "intercept-only" model). The p-values for all the three models are significantly lower than the 0.05 significance level and indicate that all the three models are statistically significant.

It should be noted that the Linear, Quadratic, and Cubic models that PGW has considered are progressively nested – the Linear model is nested within Quadratic and Cubic; the Quadratic model is nested within the Cubic model. While comparing nested models, where an additional independent variable is added to the regression model to test if the more complex model has a better fit of the given data, the t-test performs better than the overall F-test. As we discussed

earlier, the F-test assesses the overall significance of all the regression coefficients jointly, whereas the t-test examines each coefficient individually.

As we saw in the previous section, the t-tests have indicated that the regression coefficients of independent variables such as $HDD^2$ and $HDD^3$ cannot be statistically claimed to different from zero. It is always recommended that a good, parsimonious regression model is preferred over complicated models with multiple independent variables, especially when these variables do not add to the explanatory or predictive value of the model. In the light of the t-tests, we recommend that PGW use the Linear model specified in Table 1.

## Summary

As noted above, our preliminary evaluation concluded that the Linear model explains over 75% of the historical variability observed in peak send outs. Further, we noted that adding polynomials of higher orders to the liner model does not improve the "goodness of fit" as measured by Adjusted $R^2$.

In our second analysis, we tested the statistical significance of the regression coefficients and model using the t-tests. The t-tests revealed that the regression coefficients of independent variables in the Quadratic and Cubic models cannot be statistically claimed to be different from zero. Since the analysis indicates that adding variable would not improve the statistical results, we recommend that PGW continue to use the Linear regression model specified in Table 1.

SIEMENS
Ingenuity for life

**MEMO TO:** **PGW**

**FROM:** Holt Bradshaw, Amit Gohil

**DATE:** 12/20/2019

**SUBJECT:** PGW'S PEAK DAY REGRESSION MODEL REVIEW

This memorandum describes Siemens' assessment of the PGWs peak day regression analysis, and an evaluation of the regression models developed by PGW.

## Executive Summary

We carried out the evaluation of the three regression models provided by PGW in two steps – the first step was the preliminary (or intuitive) evaluation; and the second step was the more rigorous evaluation to test the statistical validity of the regression parameters and the overall model. We also carried out an independent regression analysis using MS Excel based on the weather and send out data provided by PGW and verified the completeness and accuracy of the regression parameters and the associated statistical results for each of the three regression models developed by PGW.

In our preliminary evaluation, we concluded that the Linear model confirms the intuitive positive relationship between severity of weather, as measured by HDDs, and natural gas demand. It also explains over 75% of the historical variability observed in peak send outs. Adding polynomials of higher orders to the liner model does not improve the "goodness of fit" as measured by Adjusted $R^2$. So, we conclude that the Linear model is preferred based on our preliminary evaluation.

Next, we conducted tests for statistical significance of the regression coefficients and the overall regression model. The Linear, Quadratic, and Cubic regression models that PGW developed are progressively nested. While comparing nested models, where an additional independent variable is added to the regression model, the t-test performs better than the overall F-test. The t-tests indicated that the regression coefficients of independent variables such as $HDD^2$ and $HDD^3$ in the Quadratic and Cubic models cannot be statistically claimed to be different from zero.

A good, parsimonious regression model is preferred over complicated models with multiple independent variables, especially when these variables do not add to the explanatory or predictive value of the model. In the light of the statistical tests, we recommend that PGW use the Linear regression model specified in Table 1.

In summary, after our evaluation of PGW's regression models, we conclude that the Linear Model developed by PGW is fit for the purpose it is required to serve, which is to reliably predict the peak requirements that PGW's system should be prepared serve during a design winter scenario.

## PGW's Peak Day Analysis

PGW performs a peak day analysis on an annual basis to determine its projected send out requirements during peak conditions. Essentially this process is completed by collecting send out and average temperature data for all days where the temperature is at or below 32 degrees Fahrenheit, excluding holidays and weekends. All interruptible transportation volumes are removed from total send out to arrive at firm send out on a daily basis.

For this analysis, PGW utilized data from the period winter of FY 15-16 through FY 18-19 which would reflect the most current consumption behaviors of its customers. This period yielded 51 data points where the average temperature was at or below 32 degrees Fahrenheit. A standard linear regression was performed on the data using the calculated Heating Degree-Days (HDDs) and the actual firm daily send out information. Additionally, in order to confirm the accuracy of the analysis, and to smooth the charting of the data, a Quadratic and a Cubic regression analysis were also completed. The resulting models are presented in the following table.

**Table 1: PGW's Regression Models**

| | | |
|---|---|---|
| **Linear** | $y = -20{,}428.25 + 11{,}020.93\,x$ | where y = actual firm send out in Mcf; $x = HDD$; $x^2 = HDD^2$; and $x^3 = HDD^3$ |
| **Quadratic** | $y = -17{,}841.06 + 10{,}889.99\,x + 1.63\,x^2$ | |
| **Cubic** | $y = -302{,}369.81 + 32{,}332.30\,x - 531.69\,x^2 + 4.38\,x^3$ | |

Source: PGW

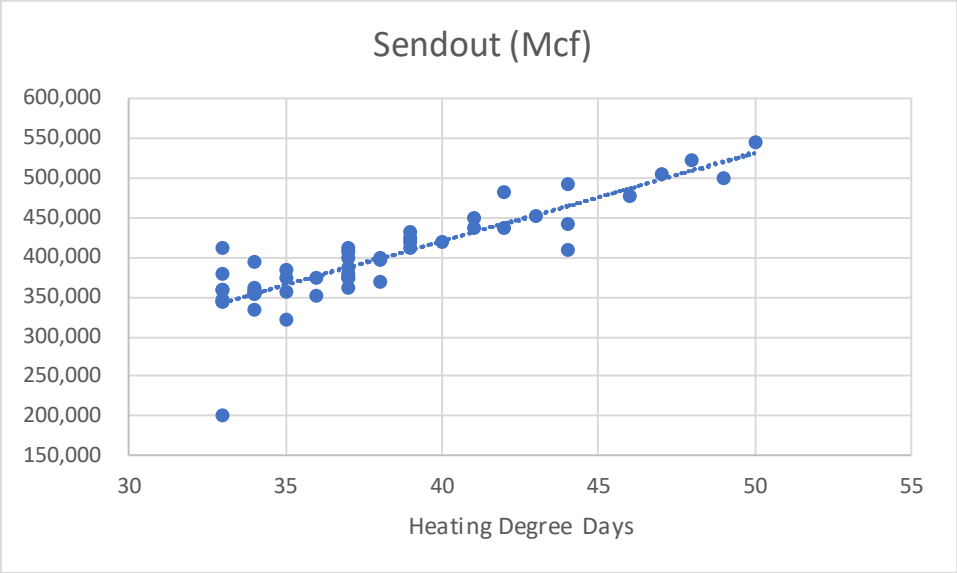
In the following sections, we review the underlying methodology of PGW's Linear, Quadratic, and Cubic models, evaluate their relative statistical significance and present our observations and recommendations.

We carry out the evaluation of the regression model in two steps – the first step is the preliminary (or sometimes referred to as intuitive) evaluation; and the second step is the more rigorous evaluation to test the statistical validity of the regression parameters and the overall model.

## Preliminary Evaluation

In our preliminary evaluation, we are testing if the dependent variable can be intuitively explained by the independent variable(s) considered in the regression model(s). In the Peak Day Analysis, PGW's actual firm send out on the peak day is the explained (or dependent) variable, whereas the HDDs representing the number of degrees that a day's average temperature is below 65° Fahrenheit, which is the temperature below which buildings need to be heated, is the independent variable. The scatter plot presented in Exhibit 1 provides reasonable visual evidence of a linear relationship between the 2 variables. In addition to the linear relationship, PGW has considered a quadratic and cubic relationship between the firm send out and HDDs.

**Exhibit 1: Scatter Plot**




Source: PGW

In our preliminary evaluation, we also examine the Coefficient of Determination or commonly known as the $R^2$. For the Quadratic and Cubic models, we use the $R^2$ adjusted for the number of terms in the model. The $R^2$ or the Adjusted $R^2$ measures the percentage of variation in the dependent variable that can be explained by the variation in the independent variables in the regression model. We also examine the magnitude and sign of each regression coefficient and the results are presented in the table below.

**Table 2: Preliminary Evaluation Results**

| Regression Model | % Variation Explained | Effect on Explained Variable |
|---|---|---|
| Linear | 75.44 % of variation in send out explained by *HDDs* | Send out positively affected by *HDD* |
| Quadratic | 74.41 % of variation in send out explained by a combination of $HDD$, and $HDD^2$ variables | Send out positively affected by *HDD* and $HDD^2$ variables |
| Cubic | 73.88 % of variation in send out explained by a combination of $HDD$, $HDD^2$, and $HDD^3$ variables | Send out positively affected by *HDD*, negatively affected by $HDD^2$, and positively affected by $HDD^3$ variables |

Source: PGW

As can be seen from Table 2, adding polynomials of higher orders to the regression equation does not improve the "goodness of fit" as measured by Adjusted $R^2$. The Linear model confirms the intuitive positive relationship between severity of weather, as measured by HDDs, and natural gas load. It also explains a large portion of the historical variability observed in peak send outs, so it is the preferred model based on our preliminary evaluation.

Next, we perform a more rigorous statistical evaluation of the 3 models.

## Statistical Evaluation

### Testing for Statistical Significance of Slope Coefficients

The second step in our evaluation is to test for statistical significance of the coefficients of the independent variables in the regression models. It should be noted that the regression analysis only provides point estimates of these regression coefficients, so it becomes important to statistically test how representative are these of the true coefficients. This is achieved by computing confidence intervals for the regression coefficients and conducting hypothesis testing using p-values.

#### *Confidence Intervals*

To determine whether the independent variable(s) truly have an effect on the explained variable, we find a confidence interval around the point estimates of each of the coefficients of the independent variables in the regression. If the confidence interval contains 0, then we have significant statistical evidence to believe that the independent variable in question has no effect on the dependent variable. The 97.5% confidence intervals displayed in Table 3 are calculated using:

$$(point\ estimate) \pm (t - critical\ value) \times (standard\ error)$$

with n-k degrees of freedom, where k is the number of parameters that are being estimated (number of regression coefficients in this case).

**Table 3: Confidence Intervals Surrounding the Regression Coefficients**

| Model | HDD | | $HDD^2$ | | $HDD^3$ | |
|---|---|---|---|---|---|---|
| | Lower Endpoint | Upper Endpoint | Lower Endpoint | Upper Endpoint | Lower Endpoint | Upper Endpoint |
| **Linear** | 8,943.68 | 13,098.19 | N/A | N/A | N/A | N/A |
| **Quadratic** | -23,964.40 | 45,744.39 | -431.44 | 434.70 | N/A | N/A |
| **Cubic** | -455,118.95 | 519,783.54 | -12,631.93 | 11,568.55 | -94.86 | 103.61 |

Source: PGW

As can be clearly seen from Table 3, with 97.5% confidence, we cannot rule out that the coefficients of the independent variables in the Quadratic and Cubic models will not assume a value of 0. In this instance, only the Linear model has a statistically significant coefficient which is not zero. We can be 97.5% confident, that using the Linear model a unit increase in HDD will lead to an increase in send out ranging between 8,944 and13,098 Mcf.

#### *Hypothesis Testing*

In addition to the confidence intervals, we also use Hypothesis Testing to determine whether the independent variable(s) truly have an effect on the explained variable. If there is no relationship between these variables, the coefficients of the independent variables will be 0 and vice versa. In order to statistically test the relationship, we construct a hypothesis as follows:

Determine if there is overwhelming evidence at the 0.05 significance level ($\alpha = 0.05$) of a linear relationship between the peak day send out and the HDDs observed on that day (or $HDD^2$ or $HDD^3$).

$H_0: \beta_i = 0$

$H_\alpha: \beta_i \neq 0$

$\alpha = 0.05$

We will use a *t*-test with n-k degrees of freedom, where k is the number of parameters that are being estimated (number of regression coefficients in this case). Our sample test statistic is given in the "t Stat" column in Table 4. We will use the p-value method to test the above hypothesis. The P-value is the probability of observing a test statistic more extreme than what was observed during the regression analysis assuming that the null hypothesis is true. Thus, at a 0.05 significance level, if the p-value is less than 0.05, we reject the null hypothesis $H_0$ that $\beta_i = 0$.

**Table 4: Hypothesis Testing Results**

| | HDD | | $HDD^2$ | | $HDD^3$ | |
|---|---|---|---|---|---|---|
| **Model** | **t Stat** | **P-value** | **t Stat** | **P-value** | **t Stat** | **P-value** |
| **Linear** | 12.27 | 1.4915E-16 | N/A | N/A | N/A | N/A |
| **Quadratic** | 0.72 | 0.47 | 0.01 | 0.99 | N/A | N/A |
| **Cubic** | 0.15 | 0.88 | -0.10 | 0.92 | 0.10 | 0.92 |

Source: PGW

From the p-values in Table 4, it is evident that at 0.05 significance level we cannot reject the null hypothesis that the coefficient of $HDD^2$ and $HDD^3$ in the Quadratic and Cubic models is zero. Only the HDD coefficient in the Linear model can be concluded to be non-zero at the 0.05 significance level.

## Overall Test of Significance of the Regression Model

The F-test of overall significance indicates whether the given linear regression model provides a better fit to the data than a model that contains no independent variables (i.e. an "intercept-only" model). The p-values for all the three models are significantly lower than the 0.05 significance level and indicate that all the three models are statistically significant.

It should be noted that the Linear, Quadratic, and Cubic models that PGW has considered are progressively nested – the Linear model is nested within Quadratic and Cubic; the Quadratic model is nested within the Cubic model. While comparing nested models, where an additional independent variable is added to the regression model to test if the more complex model has a better fit of the given data, the t-test performs better than the overall F-test. As we discussed earlier, the F-test assesses the overall significance of all the regression coefficients jointly, whereas the t-test examines each coefficient individually.

As we saw in the previous section, the t-tests have indicated that the regression coefficients of independent variables such as $HDD^2$ and $HDD^3$ cannot be statistically claimed to different from zero. It is always recommended that a good, parsimonious regression model is preferred over complicated models with multiple independent variables, especially when these variables do not add to the explanatory or predictive value of the model. In the light of the t-tests, we recommend that PGW use the Linear model specified in Table 1.

## Additional Considerations

The Linear model developed by PGW is fit for the purpose it is required to serve, which is to reliably predict the peak requirements that PGW's system should be prepared serve during a design winter scenario. We would recommend additional considerations to further improve the peak day regression analysis:

- PGW's current approach considers a diversified peak day demand methodology as it aggregated the total send out on a very cold day. For system design requirements, it is recommended that PGW consider an undiversified peak day demand methodology. For instance, the peak demand may be broken down by customer class, or geographical boundary, and peak demand models be constructed for each category, which would be summed up to get a peak demand forecast that can be reliably used for system design requirements.
- Consider additional weather parameters such as wind speed, wind chill, deviation of actual peak day temperature from monthly average, lagged temperature (or other weather) variables in addition to just HDDs. The weather variables can be combined into a composite variable, in order to keep the complexity of the model low.
- Monte Carlo Simulation of peak load based on the inherent uncertainty of the independent variables in the regression model is a better representation of the range of future outcomes and their corresponding probabilities of occurrence.
- Additional factors affecting future peak demand such as econometric factors like economic output, demographics; local demand intelligence including large load inquiries; regulatory policy; and finally, natural gas prices should be considered as potential additions to the peak day analysis.

# Tab No. 14

53.64(i)(1)

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

**Item 53.64(i)(1)**

Utilities shall comply with the following:

(1) Thirty days prior to the filing of a tariff reflecting increases or decreases in purchased gas expenses, gas utilities under 66 Pa.C.S. § 1307(f) recovering expenses under that section shall file a statement for the 12-month period ending 2 months prior to the filing date under 66 Pa.C.S.§ 1307(f) as published in accordance with subsection(b) which shall specify:

(i) The total revenues received under 66 Pa.C.S. § 1307(a), (b) or (f), including fuel revenues received, whether shown on the bill as 66 Pa.C.S.§ 1307(f) as published in accordance with subsection (b) which shall specify:

(ii) The total gas expenses incurred.

(iii) The difference between the amounts in sub paragraphs (I) and (ii).

(iv) Evidence explaining how actual costs incurred differ from the costs allowed under subparagraph (ii).

(v) How these costs are consistent with a least cost fuel procurement policy, as required by 66 Pa.C.S. § 1318 (relating to determination of just and reasonable natural gas rates).

**Response:**

Please see attached schedules. Additionally, please refer to Item 53.64(c)(6), Tab 5 for a detailed discussion regarding the Company's least cost fuel procurement policy.

# CALENDAR YEAR 2023
# PHILADELPHIA GAS WORKS
# C-FACTOR RECONCILIATION

| MONTH | NET COST OF FUEL 1 ($) | TOTAL GCR REVENUE BILLED 2 ($) | C FACTOR % of GCR 3 | C FACTOR REVENUE BILLED 4 = ( 2 * 3 ) ($) | LOAD BALANCING REVENUE 5 ($) | LNG SALES GCR BILLED REVENUE 6 ($) | TOTAL C FACTOR REVENUE BILLED 7 = ( 4 + 5 + 6 ) ($) | NATURAL GAS REFUNDS 8 ($) | OVER/ (UNDER) RECOVERY 9 = ( 7 + 8 - 1) ($) |
|---|---|---|---|---|---|---|---|---|---|
| **JANUARY 2023** | 31,884,486 | 54,122,401 | 98.4% | 53,269,172 | 240,357 | 51,945 | 53,561,474 | 76 | 21,677,064 |
| **FEBRUARY** | 27,325,738 | 46,292,330 | 98.4% | 45,562,540 | 241,383 | 0 | 45,803,923 | 401,883 | 18,880,068 |
| **MARCH** | 18,376,671 | 34,733,532 | 98.8% | 34,305,182 | 244,112 | 0 | 34,549,294 | 0 | 16,172,623 |
| **APRIL** | 1,338,140 | 16,354,123 | 99.3% | 16,242,991 | 245,280 | 0 | 16,488,271 | 4,627,034 | 19,777,166 |
| **MAY** | 8,734,606 | 8,705,757 | 99.3% | 8,646,599 | 248,926 | 0 | 8,895,524 | 2,289,203 | 2,450,121 |
| **JUNE** | 7,747,195 | 4,487,785 | 99.5% | 4,464,466 | 252,969 | 0 | 4,717,434 | 2,281,419 | (748,342) |
| **JULY** | 8,230,700 | 3,044,035 | 99.7% | 3,035,036 | 243,039 | 0 | 3,278,074 | 1,751,636 | (3,200,990) |
| **AUGUST** | 7,305,954 | 2,703,950 | 99.7% | 2,695,956 | 247,506 | 0 | 2,943,462 | 1,745,624 | (2,616,869) |
| **SEPTEMBER** | 7,916,837 | 3,007,139 | 119.1% | 3,582,684 | 245,542 | 0 | 3,828,226 | 0 | (4,088,611) |
| **OCTOBER** | 9,196,625 | 4,050,129 | 138.8% | 5,622,766 | 251,162 | 0 | 5,873,928 | 9,311 | (3,313,385) |
| **NOVEMBER** | 17,334,660 | 9,371,864 | 138.8% | 13,010,893 | 255,132 | 0 | 13,266,025 | 0 | (4,068,635) |
| **DECEMBER** | 20,879,433 | 18,467,253 | 133.8% | 24,708,675 | 231,418 | 0 | 24,940,093 | 143 | 4,060,803 |
| **Total** | 166,271,045 | 205,340,297 | | 215,146,959 | 2,946,826 | 51,945 | 218,145,730 | 13,106,328 | 64,981,012 |

# STATEMENT OF RECONCILIATION
# UNIVERSAL SERVICES & ENERGY CONSERVATION SURCHARGE
## CALENDAR YEAR 2023

| Month | | USC Applicable Volumes | USC Charge | USC Revenue Billed | USC Expenses | Monthly Over/(Under) Recovery | Cumulative Over/(Under) Recovery |
|---|---|---|---|---|---|---|---|
| December 2022 | | | | | | | $2,650,987 |
| January 2023 | Actual | 7,693,027 | $ 1.7354 | $ 13,350,479 | $ 17,158,503 | $ (3,808,024) | ($1,157,038) |
| February | Actual | 6,623,196 | $ 1.7354 | $ 11,493,894 | $ 14,393,207 | $ (2,899,312) | ($4,056,350) |
| March | Actual | 6,277,077 | $ 1.6408 | $ 10,299,114 | $ 13,366,013 | $ (3,066,898) | ($7,123,248) |
| April | Actual | 3,793,500 | $ 1.5461 | $ 5,865,130 | $ 6,901,305 | $ (1,036,176) | ($8,159,424) |
| May | Actual | 2,089,763 | $ 1.5461 | $ 3,230,982 | $ 2,898,799 | $ 332,184 | ($7,827,240) |
| June | Actual | 1,352,666 | $ 1.5026 | $ 2,032,515 | $ 521,359 | $ 1,511,157 | ($6,316,083) |
| July | Actual | 1,059,120 | $ 1.4591 | $ 1,545,363 | $ 81,808 | $ 1,463,554 | ($4,852,529) |
| August | Actual | 903,163 | $ 1.4591 | $ 1,317,805 | $ 725,930 | $ 591,875 | ($4,260,654) |
| September | Actual | 1,047,806 | $ 1.4072 | $ 1,474,472 | $ (584,658) | $ 2,059,131 | ($2,201,524) |
| October | Actual | 1,429,939 | $ 1.3553 | $ 1,937,996 | $ 804,306 | $ 1,133,690 | ($1,067,833) |
| November | Actual | 3,200,173 | $ 1.3553 | $ 4,337,194 | $ 4,372,880 | $ (35,686) | ($1,103,519) |
| December | Actual | 5,719,481 | $ 1.4114 | $ 8,096,642 | $ 8,983,149 | $ (886,507) | ($1,990,026) |

| USC Expenses | Jan-23 | Feb-23 | Mar-23 | Apr-23 | May-23 | Jun-23 | Jul-23 | Aug-23 | Sep-23 | Oct-23 | Nov-23 | Dec-23 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ELIRP Expense | $ 1,418,800 | $ 3,060 | $ 1,490,311 | $ 834,439 | $ 731,697 | $ 497,808 | $ 680,928 | $ 1,464,020 | $ 3,219 | $ 591,406 | $ 562,331 | $ 618,391 | $ 8,896,410 |
| ELIRP Labor | $ 7,176 | $ 7,308 | $ 8,980 | $ 7,721 | $ 9,337 | $ 11,680 | $ 9,344 | $ 12,042 | $ 10,597 | $ 10,272 | $ 10,365 | $ 12,414 | $ 117,236 |
| Concervation Incentive Credit | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| CRP Discount | $ 14,712,192 | $ 13,458,197 | $ 10,755,674 | $ 5,135,000 | $ 1,200,179 | $ (894,288) | $ (1,425,369) | $ (1,605,584) | $ (1,448,731) | $ (668,034) | $ 2,803,945 | $ 7,405,659 | $ 49,428,841 |
| CRP Forgiveness | $ 615,206 | $ 566,079 | $ 815,320 | $ 756,459 | $ 864,540 | $ 857,610 | $ 775,561 | $ 816,879 | $ 810,026 | $ 814,346 | $ 879,345 | $ 748,309 | $ 9,319,679 |
| Senior Citizen Discount | $ 405,129 | $ 358,563 | $ 295,727 | $ 167,687 | $ 93,046 | $ 48,549 | $ 41,344 | $ 38,572 | $ 40,231 | $ 56,316 | $ 116,894 | $ 198,376 | $ 1,860,433 |
| Bad Debt Expense Offset* | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Total | $ 17,158,503 | $ 14,393,207 | $ 13,366,013 | $ 6,901,305 | $ 2,898,799 | $ 521,359 | $ 81,808 | $ 725,930 | $ (584,658) | $ 804,306 | $ 4,372,880 | $ 8,983,149 | $ 69,622,599 |

| CRP Participation | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rate Case Participation Rate | 80,000 | 80,000 | 80,000 | 80,000 | 80,000 | 80,000 | 80,000 | 80,000 | 80,000 | 80,000 | 80,000 | 80,000 |
| Actual Participation Rate* | 50,401 | 50,953 | 51,771 | 51,591 | 53,472 | 53,598 | 54,709 | 55,205 | 55,209 | 55,369 | 55,538 | 55,361 |
| CRP Under(Over) Participation | 29,599 | 29,047 | 28,229 | 28,409 | 26,528 | 26,402 | 25,291 | 24,795 | 24,791 | 24,631 | 24,462 | 24,639 |
| **Average Shortfall Per CRP Participant** | | | | | | | | | | | | |
| CRP Discount | $ 14,712,192 | $ 13,458,197 | $ 10,755,674 | $ 5,135,000 | $ 1,200,179 | $ (894,288) | $ (1,425,369) | $ (1,605,584) | $ (1,448,731) | $ (668,034) | $ 2,803,945 | $ 7,405,659 |
| Actual Participation Rate | 50,401 | 50,953 | 51,771 | 51,591 | 53,472 | 53,598 | 54,709 | 55,205 | 55,209 | 55,369 | 55,538 | 55,361 |
| Average Shorfall per CRP Participant | $ 292 | $ 264 | $ 208 | $ 100 | $ 22 | $ (17) | $ (26) | $ (29) | $ (26) | $ (12) | $ 50 | $ 134 |
| Shortfall* | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Bad Debt Expense Offset* 5.75% | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |

*Bad Debt Expense Offset Applicable When Actual CRP Participation Exceeds 80,000

# Tab No. 15

53.65(1)

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

**Item 53.65(1)**

The costs of the affiliated gas, transportation or storage as compared to the average market price of other gas, transportation or storage and the price of other sources of gas, transportation and storage.

**Response:**

PGW has no affiliates, see response to 53.64(c)(1), Tab 1, for price of gas, transportation and storage.

# Tab No. 16

53.65(2)

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

**Item 53.65(2)**

Estimates of the quantity of gas, transportation or storage available to the utility from all sources.

**Response:**

PGW has no affiliates and provided is a summary of all transport and storage.

# Philadelphia Gas Works

## Gas Supply Group – Supply and Transportation

## Abstract of Natural Gas Contracts

This document contains confidential information for the use of the Gas Operations personnel only. It is important to note that this is a summary of the terms and conditions of our contracts. The pipeline tariffs and contract files should be referenced for complete information.

PHILA.GAS WORKS

TABLE OF CONTENTS
SUPPLY

# TRANSPORTATION CONTRACTS

Transco FT (Firm Transportation)
Transco PSFT (Peaking Service Firm Transportation)
Transco IT (Interruptible Transportation)
Tetco CDS (Comprehensive Delivery Service)
Tetco FT1 (Firm Transportation Service)
Tetco FT1 (Firm Transportation Service)
Tetco FT1 (Firm Transportation Service)
Tetco FTS 2 (Firm Transportation Service)
Tetco FTS 7 (Firm Transportation Service)
Tetco FTS 8 (Firm Transportation Service)
Tetco IT (Interruptible Transportation)

PHILA.GAS WORKS

TABLE OF CONTENTS
UNDERGROUND STORAGE



PHILA.GAS WORKS

PHILA.GAS WORKS

PGW NATURAL GAS CONTRACT INFORMATION
GAS SUPPLY CONTRACT

| | |
|---|---|
| Name & Type of Service: | Tetco Gas Supply Contract #24 |
| Delivery Pipeline & Contract #: | Tetco |
| Associated Transportation Contract: | Tetco FT and CDS |
| Contract Term: | 1 Year |
| Initial Contract Date: | 11/01/2022 |
| Contract Expiration Date: | 10/31/2023 |
| Quality of Service: | Firm |
| Daily Maximum: | 20,000 DT |
| Availability: | Year Round |
| Fuel (%): | Subject to Tetco fuel rates |
| Minimum Take Level: | None |
| Nomination & Scheduling: | Next day nomination change. Nominations subject to Tetco rules. No limit to amount of changes within the month. |
| Other Terms & Conditions: | Pricing for each day is priced at *Platts Gas Daily* midpoint index. |
| Most Recent Negotiation: | Contract expires on 10/31/2023. |

PHILA.GAS WORKS

PGW NATURAL GAS CONTRACT INFORMATION
GAS SUPPLY CONTRACT

| | |
|---|---|
| Name & Type of Service: | Tetco Gas Supply Contract #38 |
| Delivery Pipeline & Contract #: | Tetco |
| Associated Transportation Contract: | Tetco FT and CDS |
| Contract Term: | 1 Year |
| Initial Contract Date: | 11/01/2022 |
| Contract Expiration Date: | 10/31/2023 |
| Quality of Service: | Firm |
| Daily Maximum: | 15,000 DT |
| Availability: | Year Round |
| Fuel (%): | Subject to Tetco fuel rates |
| Minimum Take Level: | None |
| Nomination & Scheduling: | Next day nomination change. Nominations subject to Tetco rules. No limit to amount of changes within the month. |
| Other Terms & Conditions: | Pricing for each day is priced at *Platts Gas Daily* midpoint index. |
| Most Recent Negotiation: | Contract expires on 10/31/2023. |

PHILA.GAS WORKS

PGW NATURAL GAS CONTRACT INFORMATION
GAS SUPPLY CONTRACT

| | |
|---|---|
| Name & Type of Service: | Tetco Gas Supply Contract #24 |
| Delivery Pipeline & Contract #: | Tetco |
| Associated Transportation Contract: | Tetco FT 2 |
| Contract Term: | Winter Supply |
| Initial Contract Date: | 11/01/2022 |
| Contract Expiration Date: | 03/31/2023 |
| Quality of Service: | Firm |
| Daily Maximum: | 5,000 DT per Day Nov.-Mar. |
| Availability: | Winter Supply Contract |
| Fuel (%): | Subject to Tetco fuel rates |
| Minimum Take Level: | 5,000 DT per Day |
| Nomination & Scheduling: | Nominations subject to Tetco rules. |
| Other Terms & Conditions: | Pricing for each month can be negotiated or defaults to *Inside FERC*'s First of Month index. |
| Most Recent Negotiation: | Contract expires on 03/31/23. |

PHILA.GAS WORKS

PGW NATURAL GAS CONTRACT INFORMATION
GAS SUPPLY CONTRACT

| | |
|---|---|
| Name & Type of Service: | Tetco Gas Supply Contract #24 |
| Delivery Pipeline & Contract #: | Tetco |
| Associated Transportation Contract: | Tetco FT and CDS |
| Contract Term: | Winter Supply |
| Initial Contract Date: | 11/01/2022 |
| Contract Expiration Date: | 03/31/2023 |
| Quality of Service: | Firm |
| Daily Maximum: | 20,000 DT per Day Nov.-Mar. |
| Availability: | Winter Supply Contract |
| Fuel (%): | Subject to Tetco fuel rates |
| Minimum Take Level: | 20,000 DT per Day |
| Nomination & Scheduling: | Nominations subject to Tetco rules. |
| Other Terms & Conditions: | Pricing for each month can be negotiated or defaults to *Inside FERC*'s First of Month index. |
| Most Recent Negotiation: | Contract expires on 03/31/23. |

PHILA.GAS WORKS

PGW NATURAL GAS CONTRACT INFORMATION
GAS SUPPLY CONTRACT

| | |
|---|---|
| Name & Type of Service: | Tetco Gas Supply Contract #28 |
| Delivery Pipeline & Contract #: | Tetco |
| Associated Transportation Contract: | Tetco FT and CDS |
| Contract Term: | Winter Supply |
| Initial Contract Date: | 11/01/2022 |
| Contract Expiration Date: | 03/31/2023 |
| Quality of Service: | Firm |
| Daily Maximum: | 13,200 DT per Day Nov.-Mar. |
| Availability: | Winter Supply Contract |
| Fuel (%): | Subject to Tetco fuel rates |
| Minimum Take Level: | 6,700 DT per Day |
| Nomination & Scheduling: | Nominations subject to Tetco rules. |
| Other Terms & Conditions: | Pricing for each month can be negotiated or defaults to *Inside FERC*'s First of Month index. |
| Most Recent Negotiation: | Contract expired on 03/31/23. |

PHILA.GAS WORKS

PGW NATURAL GAS CONTRACT INFORMATION
GAS SUPPLY CONTRACT

| | |
|---|---|
| Name & Type of Service: | Tetco Gas Supply Contract #33 |
| Delivery Pipeline & Contract #: | Tetco |
| Associated Transportation Contract: | Tetco FT and CDS |
| Contract Term: | Winter Supply |
| Initial Contract Date: | 11/01/2022 |
| Contract Expiration Date: | 03/31/2023 |
| Quality of Service: | Firm |
| Daily Maximum: | 12,086 DT per Day Nov.-Mar. |
| Availability: | Winter Supply Contract |
| Fuel (%): | Subject to Tetco fuel rates |
| Minimum Take Level: | 12,086 DT per Day |
| Nomination & Scheduling: | Nominations subject to Tetco rules. |
| Other Terms & Conditions: | Pricing for each month can be negotiated or defaults to *Inside FERC*'s First of Month index. |
| Most Recent Negotiation: | Contract expired on 03/31/23. |

PHILA.GAS WORKS

PGW NATURAL GAS CONTRACT INFORMATION
GAS SUPPLY CONTRACT

| | |
|---|---|
| Name & Type of Service: | Tetco Gas Supply Contract #34 |
| Delivery Pipeline & Contract #: | Tetco |
| Associated Transportation Contract: | Tetco FT and CDS |
| Contract Term: | Winter Supply |
| Initial Contract Date: | 11/01/2022 |
| Contract Expiration Date: | 03/31/2023 |
| Quality of Service: | Firm |
| Daily Maximum: | 3,000 DT per Day Nov.-Mar. |
| Availability: | Winter Supply Contract |
| Fuel (%): | Subject to Tetco fuel rates |
| Minimum Take Level: | 3,000 DT per Day |
| Nomination & Scheduling: | Nominations subject to Tetco rules. |
| Other Terms & Conditions: | Pricing for each month can be negotiated or defaults to *Inside FERC*'s First of Month index. |
| Most Recent Negotiation: | Contract expired on 03/31/23. |

PHILA.GAS WORKS

PGW NATURAL GAS CONTRACT INFORMATION
GAS SUPPLY CONTRACT

| | |
|---|---|
| Name & Type of Service: | Tetco Gas Supply Contract #33 |
| Delivery Pipeline & Contract #: | Tetco |
| Associated Transportation Contract: | Tetco FT and CDS |
| Contract Term: | Winter Supply |
| Initial Contract Date: | 11/01/2022 |
| Contract Expiration Date: | 03/31/2023 |
| Quality of Service: | Firm |
| Daily Maximum: | 5,000 DT per Day Nov.-Mar. |
| Availability: | Winter Supply Contract |
| Fuel (%): | Subject to Tetco fuel rates |
| Minimum Take Level: | 5,000 DT per Day |
| Nomination & Scheduling: | Nominations subject to Tetco rules. |
| Other Terms & Conditions: | Pricing for each month can be negotiated or defaults to *Inside FERC*'s First of Month index. |
| Most Recent Negotiation: | Contract expired on 03/31/23. |

PHILA.GAS WORKS

PGW NATURAL GAS CONTRACT INFORMATION
GAS SUPPLY CONTRACT

| | |
|---|---|
| Name & Type of Service: | Tetco Gas Supply Contract #24 |
| Delivery Pipeline & Contract #: | Tetco |
| Associated Transportation Contract: | Tetco FT and CDS |
| Contract Term: | Summer Supply |
| Initial Contract Date: | 04/01/2023 |
| Contract Expiration Date: | 10/31/2023 |
| Quality of Service: | Firm |
| Daily Maximum: | 20,000 DT per Day Apr-Oct. |
| Availability: | Summer Supply Contract |
| Fuel (%): | Subject to Tetco fuel rates |
| Minimum Take Level: | 20,000 DT per Day |
| Nomination & Scheduling: | Nominations subject to Tetco rules. |
| Other Terms & Conditions: | Pricing for each month can be negotiated or defaults to *Inside FERC*'s First of Month index. |
| Most Recent Negotiation: | Contract expired on 10/31/2023. |

PHILA.GAS WORKS

PGW NATURAL GAS CONTRACT INFORMATION
GAS SUPPLY CONTRACT

| | |
|---|---|
| Name & Type of Service: | Tetco Gas Supply Contract #13 |
| Delivery Pipeline & Contract #: | Tetco |
| Associated Transportation Contract: | Tetco FT and CDS |
| Contract Term: | Summer Supply |
| Initial Contract Date: | 04/01/2023 |
| Contract Expiration Date: | 10/31/2023 |
| Quality of Service: | Firm |
| Daily Maximum: | 6,000 DT per Day Apr-Oct. |
| Availability: | Summer Supply Contract |
| Fuel (%): | Subject to Tetco fuel rates |
| Minimum Take Level: | 6,000 DT per Day |
| Nomination & Scheduling: | Nominations subject to Tetco rules. |
| Other Terms & Conditions: | Pricing for each month can be negotiated or defaults to *Inside FERC*'s First of Month index. |
| Most Recent Negotiation: | Contract expired on 10/31/2023. |

PHILA.GAS WORKS

PGW NATURAL GAS CONTRACT INFORMATION
GAS SUPPLY CONTRACT

| | |
|---|---|
| Name & Type of Service: | Tetco Gas Supply Contract #34 |
| Delivery Pipeline & Contract #: | Tetco |
| Associated Transportation Contract: | Tetco FT and CDS |
| Contract Term: | Summer Supply |
| Initial Contract Date: | 04/01/2023 |
| Contract Expiration Date: | 10/31/2023 |
| Quality of Service: | Firm |
| Daily Maximum: | 3,000 DT per Day Apr-Oct. |
| Availability: | Summer Supply Contract |
| Fuel (%): | Subject to Tetco fuel rates |
| Minimum Take Level: | 3,000 DT per Day |
| Nomination & Scheduling: | Nominations subject to Tetco rules. |
| Other Terms & Conditions: | Pricing for each month can be negotiated or defaults to *Inside FERC*'s First of Month index. |
| Most Recent Negotiation: | Contract expired on 10/31/2023. |

PHILA.GAS WORKS

PGW NATURAL GAS CONTRACT INFORMATION
GAS SUPPLY CONTRACT

| | |
|---|---|
| Name & Type of Service: | Tetco Gas Supply Contract #33 |
| Delivery Pipeline & Contract #: | Tetco |
| Associated Transportation Contract: | Tetco FT and CDS |
| Contract Term: | Summer Supply |
| Initial Contract Date: | 04/01/2023 |
| Contract Expiration Date: | 10/31/2023 |
| Quality of Service: | Firm |
| Daily Maximum: | 5,000 DT per Day Apr-Oct. |
| Availability: | Summer Supply Contract |
| Fuel (%): | Subject to Tetco fuel rates |
| Minimum Take Level: | 5,000 DT per Day |
| Nomination & Scheduling: | Nominations subject to Tetco rules. |
| Other Terms & Conditions: | Pricing for each month can be negotiated or defaults to *Inside FERC*'s First of Month index. |
| Most Recent Negotiation: | Contract expired on 10/31/2023. |

PHILA.GAS WORKS

PGW NATURAL GAS CONTRACT INFORMATION
GAS SUPPLY CONTRACT

| | |
|---|---|
| Name & Type of Service: | Tetco Gas Supply Contract #24 |
| Delivery Pipeline & Contract #: | Tetco |
| Associated Transportation Contract: | Tetco FT and CDS |
| Contract Term: | 1 Year |
| Initial Contract Date: | 11/01/2023 |
| Contract Expiration Date: | 10/31/2024 |
| Quality of Service: | Firm |
| Daily Maximum: | 15,000 DT |
| Availability: | Year Round |
| Fuel (%): | Subject to Tetco fuel rates |
| Minimum Take Level: | None |
| Nomination & Scheduling: | Next day nomination change. Nominations subject to Tetco rules. No limit to amount of changes within the month. |
| Other Terms & Conditions: | Pricing for each day is priced at *Platts Gas Daily* midpoint index. |
| Most Recent Negotiation: | Contract expires on 10/31/2024. |

PHILA.GAS WORKS

PGW NATURAL GAS CONTRACT INFORMATION
GAS SUPPLY CONTRACT

| | |
|---|---|
| Name & Type of Service: | Tetco Gas Supply Contract #38 |
| Delivery Pipeline & Contract #: | Tetco |
| Associated Transportation Contract: | Tetco FT and CDS |
| Contract Term: | 1 Year |
| Initial Contract Date: | 11/01/2023 |
| Contract Expiration Date: | 10/31/2024 |
| Quality of Service: | Firm |
| Daily Maximum: | 20,000 DT |
| Availability: | Year Round |
| Fuel (%): | Subject to Tetco fuel rates |
| Minimum Take Level: | None |
| Nomination & Scheduling: | Next day nomination change. Nominations subject to Tetco rules. No limit to amount of changes within the month. |
| Other Terms & Conditions: | Pricing for each day is priced at *Platts Gas Daily* midpoint index. |
| Most Recent Negotiation: | Contract expires on 10/31/2024. |

PHILA.GAS WORKS

PGW NATURAL GAS CONTRACT INFORMATION
GAS SUPPLY CONTRACT

| | |
|---|---|
| Name & Type of Service: | Tetco Gas Supply Contract #24 |
| Delivery Pipeline & Contract #: | Tetco |
| Associated Transportation Contract: | Tetco FT 2 |
| Contract Term: | Winter Supply |
| Initial Contract Date: | 11/01/2023 |
| Contract Expiration Date: | 03/31/2024 |
| Quality of Service: | Firm |
| Daily Maximum: | 5,000 DT per Day Nov.-Mar. |
| Availability: | Winter Supply Contract |
| Fuel (%): | Subject to Tetco fuel rates |
| Minimum Take Level: | 5,000 DT per Day |
| Nomination & Scheduling: | Nominations subject to Tetco rules. |
| Other Terms & Conditions: | Pricing for each month can be negotiated or defaults to *Inside FERC*'s First of Month index. |
| Most Recent Negotiation: | Contract expires on 03/31/24. |

PHILA.GAS WORKS

PGW NATURAL GAS CONTRACT INFORMATION
GAS SUPPLY CONTRACT

| | |
|---|---|
| Name & Type of Service: | Tetco Gas Supply Contract #24 |
| Delivery Pipeline & Contract #: | Tetco |
| Associated Transportation Contract: | Tetco FT and CDS |
| Contract Term: | Winter Supply |
| Initial Contract Date: | 11/01/2023 |
| Contract Expiration Date: | 03/31/2024 |
| Quality of Service: | Firm |
| Daily Maximum: | 5,000 DT per Day Nov.-Mar. |
| Availability: | Winter Supply Contract |
| Fuel (%): | Subject to Tetco fuel rates |
| Minimum Take Level: | 5,000 DT per Day |
| Nomination & Scheduling: | Nominations subject to Tetco rules. |
| Other Terms & Conditions: | Pricing for each month can be negotiated or defaults to *Inside FERC*'s First of Month index. |
| Most Recent Negotiation: | Contract expires on 03/31/24. |

PHILA.GAS WORKS

PGW NATURAL GAS CONTRACT INFORMATION
GAS SUPPLY CONTRACT

| | |
|---|---|
| Name & Type of Service: | Tetco Gas Supply Contract #28 |
| Delivery Pipeline & Contract #: | Tetco |
| Associated Transportation Contract: | Tetco FT and CDS |
| Contract Term: | Winter Supply |
| Initial Contract Date: | 11/01/2023 |
| Contract Expiration Date: | 03/31/2024 |
| Quality of Service: | Firm |
| Daily Maximum: | 13,200 DT per Day Nov.-Mar. |
| Availability: | Winter Supply Contract |
| Fuel (%): | Subject to Tetco fuel rates |
| Minimum Take Level: | 6,700 DT per Day |
| Nomination & Scheduling: | Nominations subject to Tetco rules. |
| Other Terms & Conditions: | Pricing for each month can be negotiated or defaults to *Inside FERC*'s First of Month index. |
| Most Recent Negotiation: | Contract expires on 03/31/24. |

PHILA.GAS WORKS

PGW NATURAL GAS CONTRACT INFORMATION
GAS SUPPLY CONTRACT

| | |
|---|---|
| Name & Type of Service: | Tetco Gas Supply Contract #33 |
| Delivery Pipeline & Contract #: | Tetco |
| Associated Transportation Contract: | Tetco FT and CDS |
| Contract Term: | Winter Supply |
| Initial Contract Date: | 11/01/2023 |
| Contract Expiration Date: | 03/31/2024 |
| Quality of Service: | Firm |
| Daily Maximum: | 15,000 DT per Day Nov.-Mar. |
| Availability: | Winter Supply Contract |
| Fuel (%): | Subject to Tetco fuel rates |
| Minimum Take Level: | 15,000 DT per Day |
| Nomination & Scheduling: | Nominations subject to Tetco rules. |
| Other Terms & Conditions: | Pricing for each month can be negotiated or defaults to *Inside FERC*'s First of Month index. |
| Most Recent Negotiation: | Contract expires on 03/31/24. |

PHILA.GAS WORKS

PGW NATURAL GAS CONTRACT INFORMATION
GAS SUPPLY CONTRACT

| | |
|---|---|
| Name & Type of Service: | Tetco Gas Supply Contract #33 |
| Delivery Pipeline & Contract #: | Tetco |
| Associated Transportation Contract: | Tetco FT and CDS |
| Contract Term: | Winter Supply |
| Initial Contract Date: | 11/01/2023 |
| Contract Expiration Date: | 03/31/2024 |
| Quality of Service: | Firm |
| Daily Maximum: | 12,086 DT per Day Nov.-Mar. |
| Availability: | Winter Supply Contract |
| Fuel (%): | Subject to Tetco fuel rates |
| Minimum Take Level: | 15,000 DT per Day |
| Nomination & Scheduling: | Nominations subject to Tetco rules. |
| Other Terms & Conditions: | Pricing for each month can be negotiated or defaults to *Inside FERC*'s First of Month index. |
| Most Recent Negotiation: | Contract expires on 03/31/24. |

PHILA.GAS WORKS

PGW NATURAL GAS CONTRACT INFORMATION
GAS SUPPLY CONTRACT

| | |
|---|---|
| Name & Type of Service: | Tetco Gas Supply Contract #34 |
| Delivery Pipeline & Contract #: | Tetco |
| Associated Transportation Contract: | Tetco FT and CDS |
| Contract Term: | Winter Supply |
| Initial Contract Date: | 11/01/2023 |
| Contract Expiration Date: | 03/31/2024 |
| Quality of Service: | Firm |
| Daily Maximum: | 3,000 DT per Day Nov.-Mar. |
| Availability: | Winter Supply Contract |
| Fuel (%): | Subject to Tetco fuel rates |
| Minimum Take Level: | 3,000 DT per Day |
| Nomination & Scheduling: | Nominations subject to Tetco rules. |
| Other Terms & Conditions: | Pricing for each month can be negotiated or defaults to *Inside FERC*'s First of Month index. |
| Most Recent Negotiation: | Contract expires on 03/31/24. |

PHILA.GAS WORKS

PGW NATURAL GAS CONTRACT INFORMATION
GAS SUPPLY CONTRACT

| | |
|---|---|
| Name & Type of Service: | Tetco Gas Supply Contract #34 |
| Delivery Pipeline & Contract #: | Tetco |
| Associated Transportation Contract: | Tetco FT and CDS |
| Contract Term: | Winter Supply |
| Initial Contract Date: | 11/01/2023 |
| Contract Expiration Date: | 03/31/2024 |
| Quality of Service: | Firm |
| Daily Maximum: | 5,000 DT per Day Nov.-Mar. |
| Availability: | Winter Supply Contract |
| Fuel (%): | Subject to Tetco fuel rates |
| Minimum Take Level: | 5,000 DT per Day |
| Nomination & Scheduling: | Nominations subject to Tetco rules. |
| Other Terms & Conditions: | Pricing for each month can be negotiated or defaults to *Inside FERC*'s First of Month index. |
| Most Recent Negotiation: | Contract expires on 03/31/24. |

PHILA.GAS WORKS

PGW NATURAL GAS CONTRACT INFORMATION
GAS SUPPLY CONTRACT

| | |
|---|---|
| Name & Type of Service: | Transco Gas Supply Contract #32 |
| Delivery Pipeline & Contract #: | Transco |
| Associated Transportation Contract: | Transco FT Contract # 1003691 |
| Contract Term: | 1 Year |
| Initial Contract Date: | 11/01/2022 |
| Contract Expiration Date: | 10/31/2023 |
| Quality of Service: | Firm |
| Daily Maximum: | 25,000 DT per Day |
| Availability: | Year Round |
| Fuel (%): | Subject to Transco fuel rates |
| Minimum Take Level: | None |
| Nomination & Scheduling: | 24 hour notice business day. Next day nomination change. Nominations subject to Transco rules. No limit to amount of changes within the month. |
| Other Terms & Conditions: | Pricing for each day is priced at *Platts Gas Daily* midpoint index. |
| Most Recent Negotiation: | Contract expired 10/31/23. |

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PGW NATURAL GAS CONTRACT INFORMATION
GAS SUPPLY CONTRACT

| | |
|---|---|
| Name & Type of Service: | Transco Gas Supply Contract #41 |
| Delivery Pipeline & Contract #: | Transco |
| Associated Transportation Contract: | Transco FT Contract # 1003691 |
| Contract Term: | 1 Year |
| Initial Contract Date: | 11/01/2022 |
| Contract Expiration Date: | 10/31/2023 |
| Quality of Service: | Firm |
| Daily Maximum: | 5,000 DT per Day |
| Availability: | Year Round |
| Fuel (%): | Subject to Transco fuel rates |
| Minimum Take Level: | None |
| Nomination & Scheduling: | 24 hour notice business day. Next day nomination change. Nominations subject to Transco rules. No limit to amount of changes within the month. |
| Other Terms & Conditions: | Pricing for each day is priced at *Platts Gas Daily* midpoint index. |
| Most Recent Negotiation: | Contract expired 10/31/23. |

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PGW NATURAL GAS CONTRACT INFORMATION
GAS SUPPLY CONTRACT

| | |
|---|---|
| Name & Type of Service: | Transco Gas Supply Contract #42 |
| Delivery Pipeline & Contract #: | Transco |
| Associated Transportation Contract: | Transco FT Contract # 1003691 |
| Contract Term: | 1 Year |
| Initial Contract Date: | 11/01/2022 |
| Contract Expiration Date: | 10/31/2023 |
| Quality of Service: | Firm |
| Daily Maximum: | 15,000 DT per Day |
| Availability: | Year Round |
| Fuel (%): | Subject to Transco fuel rates |
| Minimum Take Level: | None |
| Nomination & Scheduling: | 24 hour notice business day. Next day nomination change. Nominations subject to Transco rules. No limit to amount of changes within the month. |
| Other Terms & Conditions: | Pricing for each day is priced at *Platts Gas Daily* midpoint index. |
| Most Recent Negotiation: | Contract expired 10/31/23. |

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PGW NATURAL GAS CONTRACT INFORMATION
GAS SUPPLY CONTRACT

| | |
|---|---|
| Name & Type of Service: | Transco Gas Supply Contract #7 |
| Delivery Pipeline & Contract #: | Transco |
| Associated Transportation Contract: | Transco FT Contract 1003691 |
| Contract Term: | Winter Supply |
| Initial Contract Date: | 11/01/2022 |
| Contract Expiration Date: | 03/31/2023 |
| Quality of Service: | Firm |
| Daily Maximum: | 5,000 DT per Day Nov.-Mar. |
| Availability: | Winter Supply Contract |
| Fuel (%): | Subject to Transco fuel rates |
| Minimum Take Level: | 5,000 DT per Day |
| Nomination & Scheduling: | Firm must take contract. Nominations subject to Transco rules. |
| Other Terms & Conditions: | Pricing for each month can be negotiated or defaults to *Inside FERC*'s First of Month index. |
| Most Recent Negotiation: | Contract expired on 3/31/2023. |

PHILA.GAS WORKS

PGW NATURAL GAS CONTRACT INFORMATION
GAS SUPPLY CONTRACT

| | |
|---|---|
| Name & Type of Service: | Transco Gas Supply Contract #32 |
| Delivery Pipeline & Contract #: | Transco |
| Associated Transportation Contract: | Transco FT Contract 1003691 |
| Contract Term: | Winter Supply |
| Initial Contract Date: | 11/01/2022 |
| Contract Expiration Date: | 03/31/2023 |
| Quality of Service: | Firm |
| Daily Maximum: | 10,000 DT per Day Nov.-Mar. |
| Availability: | Winter Supply Contract |
| Fuel (%): | Subject to Transco fuel rates |
| Minimum Take Level: | 10,000 DT per Day |
| Nomination & Scheduling: | Firm must take contract. Nominations subject to Transco rules. |
| Other Terms & Conditions: | Pricing for each month can be negotiated or defaults to *Inside FERC*'s First of Month index. |
| Most Recent Negotiation: | Contract expired on 3/31/2023. |

PHILA.GAS WORKS

PGW NATURAL GAS CONTRACT INFORMATION
GAS SUPPLY CONTRACT

| | |
|---|---|
| Name & Type of Service: | Transco Gas Supply Contract #37 |
| Delivery Pipeline & Contract #: | Transco |
| Associated Transportation Contract: | Transco FT Contract 1003691 |
| Contract Term: | Winter Supply |
| Initial Contract Date: | 11/01/2022 |
| Contract Expiration Date: | 03/31/2023 |
| Quality of Service: | Firm |
| Daily Maximum: | 3,500 DT per Day Nov.-Mar. |
| Availability: | Winter Supply Contract |
| Fuel (%): | Subject to Transco fuel rates |
| Minimum Take Level: | 3,500 DT per Day |
| Nomination & Scheduling: | Firm must take contract. Nominations subject to Transco rules. |
| Other Terms & Conditions: | Pricing for each month can be negotiated or defaults to *Inside FERC*'s First of Month index. |
| Most Recent Negotiation: | Contract expired on 3/31/2023. |

PHILA.GAS WORKS

PGW NATURAL GAS CONTRACT INFORMATION
GAS SUPPLY CONTRACT

| | |
|---|---|
| Name & Type of Service: | Transco Gas Supply Contract #37 |
| Delivery Pipeline & Contract #: | Transco |
| Associated Transportation Contract: | Transco FT Contract 1003691 |
| Contract Term: | Winter Supply |
| Initial Contract Date: | 11/01/2022 |
| Contract Expiration Date: | 03/31/2023 |
| Quality of Service: | Firm |
| Daily Maximum: | 8,000 DT per Day Nov.-Mar. |
| Availability: | Winter Supply Contract |
| Fuel (%): | Subject to Transco fuel rates |
| Minimum Take Level: | 8,000 DT per Day |
| Nomination & Scheduling: | Firm must take contract. Nominations subject to Transco rules. |
| Other Terms & Conditions: | Pricing for each month can be negotiated or defaults to *Inside FERC*'s First of Month index. |
| Most Recent Negotiation: | Contract expired on 3/31/2023. |

PHILA.GAS WORKS

PGW NATURAL GAS CONTRACT INFORMATION
GAS SUPPLY CONTRACT

| | |
|---|---|
| Name & Type of Service: | Transco Gas Supply Contract #37 |
| Delivery Pipeline & Contract #: | Transco |
| Associated Transportation Contract: | Transco FT Contract 1003691 |
| Contract Term: | Winter Supply |
| Initial Contract Date: | 11/01/2022 |
| Contract Expiration Date: | 03/31/2023 |
| Quality of Service: | Firm |
| Daily Maximum: | 3,500 DT per Day Nov.-Mar. |
| Availability: | Winter Supply Contract |
| Fuel (%): | Subject to Transco fuel rates |
| Minimum Take Level: | 3,500 DT per Day |
| Nomination & Scheduling: | Firm must take contract. Nominations subject to Transco rules. |
| Other Terms & Conditions: | Pricing for each month can be negotiated or defaults to *Inside FERC*'s First of Month index. |
| Most Recent Negotiation: | Contract expired on 3/31/2023. |

PHILA.GAS WORKS

PGW NATURAL GAS CONTRACT INFORMATION
GAS SUPPLY CONTRACT

| | |
|---|---|
| Name & Type of Service: | Transco Gas Supply Contract #37 |
| Delivery Pipeline & Contract #: | Transco |
| Associated Transportation Contract: | Transco FT Contract 1003691 |
| Contract Term: | Winter Supply |
| Initial Contract Date: | 11/01/2022 |
| Contract Expiration Date: | 03/31/2023 |
| Quality of Service: | Firm |
| Daily Maximum: | 4,500 DT per Day Nov.-Mar. |
| Availability: | Winter Supply Contract |
| Fuel (%): | Subject to Transco fuel rates |
| Minimum Take Level: | 4,500 DT per Day |
| Nomination & Scheduling: | Firm must take contract. Nominations subject to Transco rules. |
| Other Terms & Conditions: | Pricing for each month can be negotiated or defaults to *Inside FERC*'s First of Month index. |
| Most Recent Negotiation: | Contract expired on 3/31/2023. |

PHILA.GAS WORKS

PGW NATURAL GAS CONTRACT INFORMATION
GAS SUPPLY CONTRACT

| | |
|---|---|
| Name & Type of Service: | Transco Gas Supply Contract #37 |
| Delivery Pipeline & Contract #: | Transco |
| Associated Transportation Contract: | Transco FT Contract 1003691 |
| Contract Term: | Winter Supply |
| Initial Contract Date: | 11/01/2022 |
| Contract Expiration Date: | 03/31/2023 |
| Quality of Service: | Firm |
| Daily Maximum: | 10,000 DT per Day Nov.-Mar. |
| Availability: | Winter Supply Contract |
| Fuel (%): | Subject to Transco fuel rates |
| Minimum Take Level: | 10,000 DT per Day |
| Nomination & Scheduling: | Firm must take contract. Nominations subject to Transco rules. |
| Other Terms & Conditions: | Pricing for each month can be negotiated or defaults to *Inside FERC*'s First of Month index. |
| Most Recent Negotiation: | Contract expired on 3/31/2023. |

PHILA.GAS WORKS

PGW NATURAL GAS CONTRACT INFORMATION
GAS SUPPLY CONTRACT

| | |
|---|---|
| Name & Type of Service: | Transco Gas Supply Contract #40 |
| Delivery Pipeline & Contract #: | Transco |
| Associated Transportation Contract: | Transco FT Contract 1003691 |
| Contract Term: | Winter Supply |
| Initial Contract Date: | 11/01/2022 |
| Contract Expiration Date: | 03/31/2023 |
| Quality of Service: | Firm |
| Daily Maximum: | 7,835 DT per Day Nov.-Mar. |
| Availability: | Winter Supply Contract |
| Fuel (%): | Subject to Transco fuel rates |
| Minimum Take Level: | 7,835 DT per Day |
| Nomination & Scheduling: | Firm must take contract. Nominations subject to Transco rules. |
| Other Terms & Conditions: | Pricing for each month can be negotiated or defaults to *Inside FERC*'s First of Month index. |
| Most Recent Negotiation: | Contract expired on 3/31/2023. |

PHILA.GAS WORKS

PGW NATURAL GAS CONTRACT INFORMATION
GAS SUPPLY CONTRACT

| | |
|---|---|
| Name & Type of Service: | Transco Gas Supply Contract #40 |
| Delivery Pipeline & Contract #: | Transco |
| Associated Transportation Contract: | Transco FT Contract 1003691 |
| Contract Term: | Winter Supply |
| Initial Contract Date: | 11/01/2022 |
| Contract Expiration Date: | 03/31/2023 |
| Quality of Service: | Firm |
| Daily Maximum: | 9,252 DT per Day Nov.-Mar. |
| Availability: | Winter Supply Contract |
| Fuel (%): | Subject to Transco fuel rates |
| Minimum Take Level: | 9,252 DT per Day |
| Nomination & Scheduling: | Firm must take contract. Nominations subject to Transco rules. |
| Other Terms & Conditions: | Pricing for each month can be negotiated or defaults to *Inside FERC*'s First of Month index. |
| Most Recent Negotiation: | Contract expired on 3/31/2023. |

PHILA.GAS WORKS

PGW NATURAL GAS CONTRACT INFORMATION
GAS SUPPLY CONTRACT

| | |
|---|---|
| Name & Type of Service: | Transco Gas Supply Contract #7 |
| Delivery Pipeline & Contract #: | Transco |
| Associated Transportation Contract: | Transco FT Contract 1003691 |
| Contract Term: | Summer Supply |
| Initial Contract Date: | 04/01/2023 |
| Contract Expiration Date: | 10/31/2023 |
| Quality of Service: | Firm |
| Daily Maximum: | 5,000 DT per Day Apr.-Oct. |
| Availability: | Summer Supply Contract |
| Fuel (%): | Subject to Transco fuel rates |
| Minimum Take Level: | 5,000 DT per Day |
| Nomination & Scheduling: | Firm must take contract. Nominations subject to Transco rules. |
| Other Terms & Conditions: | Pricing for each month can be negotiated or defaults to *Inside FERC*'s First of Month index. |
| Most Recent Negotiation: | Contract expired on 10/31/2023. |

PHILA.GAS WORKS

PGW NATURAL GAS CONTRACT INFORMATION
GAS SUPPLY CONTRACT

| | |
|---|---|
| Name & Type of Service: | Transco Gas Supply Contract #32 |
| Delivery Pipeline & Contract #: | Transco |
| Associated Transportation Contract: | Transco FT Contract 1003691 |
| Contract Term: | Summer Supply |
| Initial Contract Date: | 04/01/2023 |
| Contract Expiration Date: | 10/31/2023 |
| Quality of Service: | Firm |
| Daily Maximum: | 9,000 DT per Day Apr.-Oct. |
| Availability: | Summer Supply Contract |
| Fuel (%): | Subject to Transco fuel rates |
| Minimum Take Level: | 9,000 DT per Day |
| Nomination & Scheduling: | Firm must take contract. Nominations subject to Transco rules. |
| Other Terms & Conditions: | Pricing for each month can be negotiated or defaults to *Inside FERC*'s First of Month index. |
| Most Recent Negotiation: | Contract expired on 10/31/2023. |

PHILA.GAS WORKS

PGW NATURAL GAS CONTRACT INFORMATION
GAS SUPPLY CONTRACT

| | |
|---|---|
| Name & Type of Service: | Transco Gas Supply Contract #37 |
| Delivery Pipeline & Contract #: | Transco |
| Associated Transportation Contract: | Transco FT Contract 1003691 |
| Contract Term: | Summer Supply |
| Initial Contract Date: | 04/01/2023 |
| Contract Expiration Date: | 10/31/2023 |
| Quality of Service: | Firm |
| Daily Maximum: | 4,500 DT per Day Apr.-Oct. |
| Availability: | Summer Supply Contract |
| Fuel (%): | Subject to Transco fuel rates |
| Minimum Take Level: | 4,500 DT per Day |
| Nomination & Scheduling: | Firm must take contract. Nominations subject to Transco rules. |
| Other Terms & Conditions: | Pricing for each month can be negotiated or defaults to *Inside FERC*'s First of Month index. |
| Most Recent Negotiation: | Contract expired on 10/31/2023. |

PHILA.GAS WORKS

PGW NATURAL GAS CONTRACT INFORMATION
GAS SUPPLY CONTRACT

| | |
|---|---|
| Name & Type of Service: | Transco Gas Supply Contract #37 |
| Delivery Pipeline & Contract #: | Transco |
| Associated Transportation Contract: | Transco FT Contract 1003691 |
| Contract Term: | Summer Supply |
| Initial Contract Date: | 04/01/2023 |
| Contract Expiration Date: | 10/31/2023 |
| Quality of Service: | Firm |
| Daily Maximum: | 3,500 DT per Day Apr.-Oct. |
| Availability: | Summer Supply Contract |
| Fuel (%): | Subject to Transco fuel rates |
| Minimum Take Level: | 3,500 DT per Day |
| Nomination & Scheduling: | Firm must take contract. Nominations subject to Transco rules. |
| Other Terms & Conditions: | Pricing for each month can be negotiated or defaults to *Inside FERC*'s First of Month index. |
| Most Recent Negotiation: | Contract expired on 10/31/2023. |

PHILA.GAS WORKS

PGW NATURAL GAS CONTRACT INFORMATION
GAS SUPPLY CONTRACT

| | |
|---|---|
| Name & Type of Service: | Transco Gas Supply Contract #37 |
| Delivery Pipeline & Contract #: | Transco |
| Associated Transportation Contract: | Transco FT Contract 1003691 |
| Contract Term: | Summer Supply |
| Initial Contract Date: | 04/01/2023 |
| Contract Expiration Date: | 10/31/2023 |
| Quality of Service: | Firm |
| Daily Maximum: | 3,736 DT per Day Apr.-Oct. |
| Availability: | Summer Supply Contract |
| Fuel (%): | Subject to Transco fuel rates |
| Minimum Take Level: | 3,736 DT per Day |
| Nomination & Scheduling: | Firm must take contract.<br>Nominations subject to Transco rules. |
| Other Terms & Conditions: | Pricing for each month can be negotiated or defaults to *Inside FERC*'s First of Month index. |
| Most Recent Negotiation: | Contract expired on 10/31/2023. |

PHILA.GAS WORKS

PGW NATURAL GAS CONTRACT INFORMATION
GAS SUPPLY CONTRACT

| | |
|---|---|
| Name & Type of Service: | Transco Gas Supply Contract #37 |
| Delivery Pipeline & Contract #: | Transco |
| Associated Transportation Contract: | Transco FT Contract 1003691 |
| Contract Term: | Summer Supply |
| Initial Contract Date: | 04/01/2023 |
| Contract Expiration Date: | 10/31/2023 |
| Quality of Service: | Firm |
| Daily Maximum: | 3,500 DT per Day Apr.-Oct. |
| Availability: | Summer Supply Contract |
| Fuel (%): | Subject to Transco fuel rates |
| Minimum Take Level: | 3,500 DT per Day |
| Nomination & Scheduling: | Firm must take contract. Nominations subject to Transco rules. |
| Other Terms & Conditions: | Pricing for each month can be negotiated or defaults to *Inside FERC*'s First of Month index. |
| Most Recent Negotiation: | Contract expired on 10/31/2023. |

PHILA.GAS WORKS

PGW NATURAL GAS CONTRACT INFORMATION
GAS SUPPLY CONTRACT

| | |
|---|---|
| Name & Type of Service: | Transco Gas Supply Contract #40 |
| Delivery Pipeline & Contract #: | Transco |
| Associated Transportation Contract: | Transco FT Contract 1003691 |
| Contract Term: | Summer Supply |
| Initial Contract Date: | 04/01/2023 |
| Contract Expiration Date: | 10/31/2023 |
| Quality of Service: | Firm |
| Daily Maximum: | 3,000 DT per Day Apr.-Oct. |
| Availability: | Summer Supply Contract |
| Fuel (%): | Subject to Transco fuel rates |
| Minimum Take Level: | 3,000 DT per Day |
| Nomination & Scheduling: | Firm must take contract. Nominations subject to Transco rules. |
| Other Terms & Conditions: | Pricing for each month can be negotiated or defaults to *Inside FERC*'s First of Month index. |
| Most Recent Negotiation: | Contract expired on 10/31/2023. |

PHILA.GAS WORKS

PGW NATURAL GAS CONTRACT INFORMATION
GAS SUPPLY CONTRACT

| | |
|---|---|
| Name & Type of Service: | Transco Gas Supply Contract #40 |
| Delivery Pipeline & Contract #: | Transco |
| Associated Transportation Contract: | Transco FT Contract 1003691 |
| Contract Term: | Summer Supply |
| Initial Contract Date: | 04/01/2023 |
| Contract Expiration Date: | 10/31/2023 |
| Quality of Service: | Firm |
| Daily Maximum: | 2,000 DT per Day Apr.-Oct. |
| Availability: | Summer Supply Contract |
| Fuel (%): | Subject to Transco fuel rates |
| Minimum Take Level: | 2,000 DT per Day |
| Nomination & Scheduling: | Firm must take contract. Nominations subject to Transco rules. |
| Other Terms & Conditions: | Pricing for each month can be negotiated or defaults to *Inside FERC*'s First of Month index. |
| Most Recent Negotiation: | Contract expired on 10/31/2023. |

PHILA.GAS WORKS

PGW NATURAL GAS CONTRACT INFORMATION
GAS SUPPLY CONTRACT

| | |
|---|---|
| Name & Type of Service: | Transco Gas Supply Contract #32 |
| Delivery Pipeline & Contract #: | Transco |
| Associated Transportation Contract: | Transco FT Contract # 1003691 |
| Contract Term: | 1 Year |
| Initial Contract Date: | 11/01/2023 |
| Contract Expiration Date: | 10/31/2024 |
| Quality of Service: | Firm |
| Daily Maximum: | 25,000 DT per Day |
| Availability: | Year Round |
| Fuel (%): | Subject to Transco fuel rates |
| Minimum Take Level: | None |
| Nomination & Scheduling: | 24 hour notice business day. Next day nomination change. Nominations subject to Transco rules. No limit to amount of changes within the month. |
| Other Terms & Conditions: | Pricing for each day is priced at *Platts Gas Daily* midpoint index. |
| Most Recent Negotiation: | Contract expired 10/31/24. |

PHILA.GAS WORKS

PGW NATURAL GAS CONTRACT INFORMATION
GAS SUPPLY CONTRACT

| | |
|---|---|
| Name & Type of Service: | Transco Gas Supply Contract #42 |
| Delivery Pipeline & Contract #: | Transco |
| Associated Transportation Contract: | Transco FT Contract # 1003691 |
| Contract Term: | 1 Year |
| Initial Contract Date: | 11/01/2023 |
| Contract Expiration Date: | 10/31/2024 |
| Quality of Service: | Firm |
| Daily Maximum: | 20,000 DT per Day |
| Availability: | Year Round |
| Fuel (%): | Subject to Transco fuel rates |
| Minimum Take Level: | None |
| Nomination & Scheduling: | 24 hour notice business day. Next day nomination change. Nominations subject to Transco rules. No limit to amount of changes within the month. |
| Other Terms & Conditions: | Pricing for each day is priced at *Platts Gas Daily* midpoint index. |
| Most Recent Negotiation: | Contract expired 10/31/24. |

PHILA.GAS WORKS

PGW NATURAL GAS CONTRACT INFORMATION
GAS SUPPLY CONTRACT

| | |
|---|---|
| Name & Type of Service: | Transco Gas Supply Contract #13 |
| Delivery Pipeline & Contract #: | Transco |
| Associated Transportation Contract: | Transco FT Contract 1003691 |
| Contract Term: | Winter Supply |
| Initial Contract Date: | 11/01/2023 |
| Contract Expiration Date: | 03/31/2024 |
| Quality of Service: | Firm |
| Daily Maximum: | 5,000 DT per Day Nov.-Mar. |
| Availability: | Winter Supply Contract |
| Fuel (%): | Subject to Transco fuel rates |
| Minimum Take Level: | 5,000 DT per Day |
| Nomination & Scheduling: | Firm must take contract. Nominations subject to Transco rules. |
| Other Terms & Conditions: | Pricing for each month can be negotiated or defaults to *Inside FERC*'s First of Month index. |
| Most Recent Negotiation: | Contract expired on 3/31/2024. |

PHILA.GAS WORKS

PGW NATURAL GAS CONTRACT INFORMATION
GAS SUPPLY CONTRACT

| | |
|---|---|
| Name & Type of Service: | Transco Gas Supply Contract #37 |
| Delivery Pipeline & Contract #: | Transco |
| Associated Transportation Contract: | Transco FT Contract 1003691 |
| Contract Term: | Winter Supply |
| Initial Contract Date: | 11/01/2023 |
| Contract Expiration Date: | 03/31/2024 |
| Quality of Service: | Firm |
| Daily Maximum: | 3,500 DT per Day Nov.-Mar. |
| Availability: | Winter Supply Contract |
| Fuel (%): | Subject to Transco fuel rates |
| Minimum Take Level: | 3,500 DT per Day |
| Nomination & Scheduling: | Firm must take contract. Nominations subject to Transco rules. |
| Other Terms & Conditions: | Pricing for each month can be negotiated or defaults to *Inside FERC*'s First of Month index. |
| Most Recent Negotiation: | Contract expired on 03/31/2024. |

PHILA.GAS WORKS

PGW NATURAL GAS CONTRACT INFORMATION
GAS SUPPLY CONTRACT

| | |
|---|---|
| Name & Type of Service: | Transco Gas Supply Contract #37 |
| Delivery Pipeline & Contract #: | Transco |
| Associated Transportation Contract: | Transco FT Contract 1003691 |
| Contract Term: | Winter Supply |
| Initial Contract Date: | 11/01/2023 |
| Contract Expiration Date: | 03/31/2024 |
| Quality of Service: | Firm |
| Daily Maximum: | 8,000 DT per Day Nov.-Mar. |
| Availability: | Winter Supply Contract |
| Fuel (%): | Subject to Transco fuel rates |
| Minimum Take Level: | 8,000 DT per Day |
| Nomination & Scheduling: | Firm must take contract. Nominations subject to Transco rules. |
| Other Terms & Conditions: | Pricing for each month can be negotiated or default to an index. |
| Most Recent Negotiation: | Contract expired on 3/31/2024. |

PHILA.GAS WORKS

PGW NATURAL GAS CONTRACT INFORMATION
GAS SUPPLY CONTRACT

| | |
|---|---|
| Name & Type of Service: | Transco Gas Supply Contract #37 |
| Delivery Pipeline & Contract #: | Transco |
| Associated Transportation Contract: | Transco FT Contract 1003691 |
| Contract Term: | Winter Supply |
| Initial Contract Date: | 11/01/2023 |
| Contract Expiration Date: | 03/31/2024 |
| Quality of Service: | Firm |
| Daily Maximum: | 3,500 DT per Day Nov.-Mar. |
| Availability: | Winter Supply Contract |
| Fuel (%): | Subject to Transco fuel rates |
| Minimum Take Level: | 3,500 DT per Day |
| Nomination & Scheduling: | Firm must take contract. Nominations subject to Transco rules. |
| Other Terms & Conditions: | Pricing for each month can be negotiated or default to an index. |
| Most Recent Negotiation: | Contract expired on 3/31/2024. |

PHILA.GAS WORKS

PGW NATURAL GAS CONTRACT INFORMATION
GAS SUPPLY CONTRACT

| | |
|---|---|
| Name & Type of Service: | Transco Gas Supply Contract #37 |
| Delivery Pipeline & Contract #: | Transco |
| Associated Transportation Contract: | Transco FT Contract 1003691 |
| Contract Term: | Winter Supply |
| Initial Contract Date: | 11/01/2023 |
| Contract Expiration Date: | 03/31/2024 |
| Quality of Service: | Firm |
| Daily Maximum: | 4,500 DT per Day Nov.-Mar. |
| Availability: | Winter Supply Contract |
| Fuel (%): | Subject to Transco fuel rates |
| Minimum Take Level: | 8,000 DT per Day |
| Nomination & Scheduling: | Firm must take contract. Nominations subject to Transco rules. |
| Other Terms & Conditions: | Pricing for each month can be negotiated or defaults to *Inside FERC*'s First of Month index. |
| Most Recent Negotiation: | Contract expired on 3/31/2024. |

PHILA.GAS WORKS

PGW NATURAL GAS CONTRACT INFORMATION
GAS SUPPLY CONTRACT

| | |
|---|---|
| Name & Type of Service: | Transco Gas Supply Contract #37 |
| Delivery Pipeline & Contract #: | Transco |
| Associated Transportation Contract: | Transco FT Contract 1003691 |
| Contract Term: | Winter Supply |
| Initial Contract Date: | 11/01/2023 |
| Contract Expiration Date: | 03/31/2024 |
| Quality of Service: | Firm |
| Daily Maximum: | 20,000 DT per Day Nov.-Mar. |
| Availability: | Winter Supply Contract |
| Fuel (%): | Subject to Transco fuel rates |
| Minimum Take Level: | 20,000 DT per Day |
| Nomination & Scheduling: | Firm must take contract. Nominations subject to Transco rules. |
| Other Terms & Conditions: | Pricing for each month can be negotiated or defaults to *Inside FERC*'s First of Month index. |
| Most Recent Negotiation: | Contract expired on 3/31/2024. |

PHILA.GAS WORKS

PGW NATURAL GAS CONTRACT INFORMATION
GAS SUPPLY CONTRACT

| | |
|---|---|
| Name & Type of Service: | Transco Gas Supply Contract #40 |
| Delivery Pipeline & Contract #: | Transco |
| Associated Transportation Contract: | Transco FT Contract 1003691 |
| Contract Term: | Winter Supply |
| Initial Contract Date: | 11/01/2023 |
| Contract Expiration Date: | 03/31/2024 |
| Quality of Service: | Firm |
| Daily Maximum: | 7,835 DT per Day Nov.-Mar. |
| Availability: | Winter Supply Contract |
| Fuel (%): | Subject to Transco fuel rates |
| Minimum Take Level: | 7,835 DT per Day |
| Nomination & Scheduling: | Firm must take contract. Nominations subject to Transco rules. |
| Other Terms & Conditions: | Pricing for the month defaulted to *Inside FERC*'s First of Month index. |
| Most Recent Negotiation: | Contract expired 03/31/2024. |

PHILA.GAS WORKS

PGW NATURAL GAS CONTRACT INFORMATION
GAS SUPPLY CONTRACT

| | |
|---|---|
| Name & Type of Service: | Transco Gas Supply Contract #40 |
| Delivery Pipeline & Contract #: | Transco |
| Associated Transportation Contract: | Transco FT Contract 1003691 |
| Contract Term: | Winter Supply |
| Initial Contract Date: | 11/01/2023 |
| Contract Expiration Date: | 03/31/2024 |
| Quality of Service: | Firm |
| Daily Maximum: | 9,252 DT per Day Nov.-Mar. |
| Availability: | Winter Supply Contract |
| Fuel (%): | Subject to Transco fuel rates |
| Minimum Take Level: | 9,252 DT per Day |
| Nomination & Scheduling: | Firm must take contract. Nominations subject to Transco rules. |
| Other Terms & Conditions: | Pricing for the month defaulted to *Inside FERC*'s First of Month index. |
| Most Recent Negotiation: | Contract expired 03/31/2024. |

PHILA.GAS WORKS

PGW NATURAL GAS CONTRACT INFORMATION
Transportation Contract

| | |
|---|---|
| Name & Type of Service: | Transco FT |
| Delivery Pipeline & Contract #: | Transco FT 1003691 |
| Associated Transportation Contract: | Transco Supply Contracts, WSS, and Spot Supply contracts. |
| Contract Term: | 3 Year |
| Initial Contract Date: | 09/01/2018 |
| Contract Expiration Date: | 09/01/2021 |
| Quality of Service: | Firm |
| Daily Maximum: | 165,212 DT |
| Availability: | Year Round |
| Fuel (%): | Subject to Transco fuel rates |
| Minimum Take Level: | N/A |
| Nomination & Scheduling: | NAESB Standards. |
| Other Terms & Conditions: | N/A |
| Most Recent Negotiation: | Contract is now in the evergreen state. |

PHILA.GAS WORKS

PGW NATURAL GAS CONTRACT INFORMATION
Transportation Contract

| | |
|---|---|
| Name & Type of Service: | Transco Peaking Service FT |
| Delivery Pipeline & Contract #: | Transco FT 1005001 |
| Associated Transportation Contract: | Transco Supply Contracts, WSS, and Spot Supply contracts. |
| Contract Term: | 3 Year |
| Initial Contract Date: | 09/01/2018 |
| Contract Expiration Date: | 09/01/2021 |
| Quality of Service: | Firm |
| Daily Maximum: | 1,967 DT |
| Availability: | Winter Peaking Dec-Feb |
| Fuel (%): | Subject to Transco fuel rates |
| Minimum Take Level: | N/A |
| Nomination & Scheduling: | NAESB Standards. |
| Other Terms & Conditions: | N/A |
| Most Recent Negotiation: | Contract is now in the evergreen state. |

PHILA.GAS WORKS

PGW NATURAL GAS CONTRACT INFORMATION
Interruptible Transportation Contract

| | |
|---|---|
| Name & Type of Service: | Transco Interruptible Transportation |
| Delivery Pipeline & Contract #: | Transco IT 1002427 |
| Associated Transportation Contract: | Transco Supply Contracts, WSS, and Spot Supply contracts. |
| Contract Term: | 13 Years |
| Initial Contract Date: | 02/01/1992 |
| Contract Expiration Date: | 03/31/2005 |
| Quality of Service: | Firm |
| Daily Maximum: | See Transco Tariff |
| Availability: | See Transco Tariff |
| Fuel (%): | Subject to Transco fuel rates |
| Minimum Take Level: | N/A |
| Nomination & Scheduling: | NAESB Standards. |
| Other Terms & Conditions: | N/A |
| Most Recent Negotiation: | Contract is now in the evergreen state. |

PHILA.GAS WORKS

NATURAL GAS CONTRACT INFORMATION
Comprehensive Delivery Service

| | |
|---|---|
| Name & Type of Service: | Tetco CDS |
| Delivery Pipeline & Contract #: | Tetco #800232 |
| Associated Transportation Contract: | Tetco Supply Contracts,<br>Spot Supply contracts. |
| Contract Term: | 2.8 Years |
| Initial Contract Date: | 12/15/1998 |
| Contract Expiration Date: | 10/31/2003 |
| Quality of Service: | Firm |
| Daily Maximum: | 75,000 DT per Day |
| Availability: | See Tetco Tariff |
| Fuel (%): | Subject to Tetco fuel rates |
| Minimum Take Level: | N/A |
| Nomination & Scheduling: | NAESB Standards. |
| Other Terms & Conditions: | See Tetco Tariff |
| Most Recent Negotiation: | Contract is now in the evergreen state. |

PHILA.GAS WORKS

PGW NATURAL GAS CONTRACT INFORMATION
Firm Transportation

| | |
|---|---|
| Name & Type of Service: | Tetco FT 1 |
| Delivery Pipeline & Contract #: | Tetco #800233 |
| Associated Transportation Contract: | Tetco Supply Contracts,<br>Spot Supply contracts. |
| Contract Term: | 2.8 Years |
| Initial Contract Date: | 12/15/1998 |
| Contract Expiration Date: | 10/31/2003 |
| Quality of Service: | Firm |
| Daily Maximum: | 23,822 DT per Day |
| Availability: | See Tetco Tariff |
| Fuel (%): | Subject to Tetco fuel rates |
| Minimum Take Level: | N/A |
| Nomination & Scheduling: | NAESB Standards. |
| Other Terms & Conditions: | See Tetco Tariff |
| Most Recent Negotiation: | Contract is now in the evergreen state. |

PHILA.GAS WORKS

PGW NATURAL GAS CONTRACT INFORMATION
Firm Transportation

| | |
|---|---|
| Name & Type of Service: | Tetco FT 1 |
| Delivery Pipeline & Contract #: | Tetco #800514 |
| Associated Transportation Contract: | Tetco Supply Contracts & Spot Supply contracts. |
| Contract Term: | 7.8 Years |
| Initial Contract Date: | 12/15/1996 |
| Contract Expiration Date: | 10/31/2003 |
| Quality of Service: | Firm |
| Daily Maximum: | 18,000 DT per Day |
| Availability: | See Tetco Tariff |
| Fuel (%): | Subject to Tetco fuel rates |
| Minimum Take Level: | N/A |
| Nomination & Scheduling: | NAESB Standards. |
| Other Terms & Conditions: | See Tetco Tariff |
| Most Recent Negotiation: | Contract in Evergreen state. |

PHILA.GAS WORKS

PGW NATURAL GAS CONTRACT INFORMATION
Firm Transportation

| | |
|---|---|
| Name & Type of Service: | Tetco FT 1 |
| Delivery Pipeline & Contract #: | Tetco #800515 |
| Associated Transportation Contract: | Tetco Supply Contracts & Spot Supply contracts. |
| Contract Term: | 10.8 Years |
| Initial Contract Date: | 12/15/1996 |
| Contract Expiration Date: | 10/31/2007 |
| Quality of Service: | Firm |
| Daily Maximum: | 18,000 DT per Day |
| Availability: | See Tetco Tariff |
| Fuel (%): | Subject to Tetco fuel rates |
| Minimum Take Level: | N/A |
| Nomination & Scheduling: | NAESB Standards. |
| Other Terms & Conditions: | See Tetco Tariff |
| Most Recent Negotiation: | Contract in Evergreen state. |

PHILA.GAS WORKS

PGW NATURAL GAS CONTRACT INFORMATION
Firm Transportation

| | |
|---|---|
| Name & Type of Service: | Tetco FTS 2 |
| Delivery Pipeline & Contract #: | Tetco #800232 |
| Associated Contract: | |
| Contract Term: | 8.75 Years |
| Initial Contract Date: | 06/01/1993 |
| Contract Expiration Date: | 03/31/2002 |
| Quality of Service: | Firm |
| Daily Maximum: | 5,394 DT per Day |
| Availability: | See Tetco Tariff |
| Fuel (%): | Subject to Tetco fuel rates |
| Minimum Take Level: | N/A |
| Nomination & Scheduling: | NAESB Standards. |
| Other Terms & Conditions: | See Tetco Tariff |
| Most Recent Negotiation: | Contract in Evergreen state. |

PHILA.GAS WORKS

PGW NATURAL GAS CONTRACT INFORMATION
Firm Transportation

| | |
|---|---|
| Name & Type of Service: | Tetco FTS 7 |
| Delivery Pipeline & Contract #: | Tetco #331725 |
| Associated Contract: | Eastern Gas Transmission and Storage (EGTS) |
| Contract Term: | 10 Years |
| Initial Contract Date: | 08/07/1996 |
| Contract Expiration Date: | 03/31/2005 |
| Quality of Service: | Firm |
| Daily Maximum: | 7,788 DT per Day |
| Availability: | See Tetco Tariff |
| Fuel (%): | Subject to Tetco fuel rates |
| Minimum Take Level: | N/A |
| Nomination & Scheduling: | NAESB Standards. |
| Other Terms & Conditions: | See Tetco Tariff |
| Most Recent Negotiation: | Contract in Evergreen state. |

PHILA.GAS WORKS

PGW NATURAL GAS CONTRACT INFORMATION
Firm Transportation

| | |
|---|---|
| Name & Type of Service: | Tetco FTS 8 |
| Delivery Pipeline & Contract #: | Tetco #331822 |
| Associated Contract: | Eastern Gas Transmission and Storage (EGTS) |
| Contract Term: | 10 Years |
| Initial Contract Date: | 08/07/1996 |
| Contract Expiration Date: | 03/31/2005 |
| Quality of Service: | Firm |
| Daily Maximum: | 25,709 DT per Day |
| Availability: | See Tetco Tariff |
| Fuel (%): | Subject to Tetco fuel rates |
| Minimum Take Level: | N/A |
| Nomination & Scheduling: | NAESB Standards. |
| Other Terms & Conditions: | See Tetco Tariff |
| Most Recent Negotiation: | Contract in Evergreen state. |

PHILA.GAS WORKS

PGW NATURAL GAS CONTRACT INFORMATION
Interruptible Transportation

| | |
|---|---|
| Name & Type of Service: | Tetco IT |
| Delivery Pipeline & Contract #: | Tetco #710468 |
| Associated Contract: | Supply Contracts, Spot Supply |
| Contract Term: | 1 Year |
| Initial Contract Date: | 04/01/1993 |
| Contract Expiration Date: | 03/31/1994 |
| Quality of Service: | Interruptible |
| Daily Maximum: | See Tetco Tariff |
| Availability: | See Tetco Tariff |
| Fuel (%): | Subject to Tetco fuel rates |
| Minimum Take Level: | N/A |
| Nomination & Scheduling: | NAESB Standards. |
| Other Terms & Conditions: | See Tetco Tariff |
| Most Recent Negotiation: | Contract in Evergreen status. |

PHILA.GAS WORKS

PGW NATURAL GAS CONTRACT INFORMATION
Underground Storage Contract

| | |
|---|---|
| Name & Type of Service: | Eastern Gas Transmission and Storage (EGTS) |
| Delivery Pipeline & Contract #: | Tetco |
| Associated Contract: | Tetco FTS 7 Contract#331725<br>Tetco FTS 8 Contract#331822 |
| Contract Term: | 13 Years |
| Initial Contract Date: | 09/30/1993 |
| Contract Expiration Date: | 03/31/2006 |
| Quality of Service: | Firm (Unbundled) |
| Daily Maximum Withdrawal: | 34,047 DT<br>Inventory % W/D Rate<br>>35% 34,047<br><35% 31,323<br><16% 23,833<br><10% 21,450 |
| Availability (Withdrawal/Injection): | Year round |
| Daily Maximum Injection: | 21,772 DT <50%<br>18,313 DT >50% |
| Maximum Storage Quantity: | 3,918,971 DT |
| Fuel (%): | 1.95 % injection |
| Nomination & Scheduling: | NAESB Standards.<br><br>Within day nomination changes may be accomplished as long as both Tetco and EGTS parties are notified and can confirm. |
| Other Terms & Conditions: | Contract in Evergreen state. |

PHILA.GAS WORKS

PGW NATURAL GAS CONTRACT INFORMATION
Underground Storage Contract

| | |
|---|---|
| Name & Type of Service: | SS1 |
| Delivery Pipeline & Contract #: | Tetco Contract #400121 |
| Associated Contract: | None |
| Contract Term: | 19 Years |
| Initial Contract Date: | 06/01/1993 |
| Contract Expiration Date: | 04/30/2012 |
| Quality of Service: | Firm (Bundled) |
| Daily Maximum Withdrawal: | 44,118 DT<br>100%>20% 44,118<br><20%>=10% 36,764<br><10%>= 0% 29,413 |
| Availability (Withdrawal/Injection): | Year round |
| Daily Maximum Injection: | 13,606 DT |
| Maximum Storage Quantity: | 2,647,080 DT |
| Fuel (%) Injection & Withdrawal: | Subject to Tetco Tariff Revisions |
| Nomination & Scheduling: | NAESB Standards. |
| Other Terms & Conditions: | Storage is a No Notice Service |

PHILA.GAS WORKS

PGW NATURAL GAS CONTRACT INFORMATION
Underground Storage Contract

| | |
|---|---|
| Name & Type of Service: | SS1 |
| Delivery Pipeline & Contract #: | Tetco Contract #400209 |
| Associated Contract: | None |
| Contract Term: | 19 Years |
| Initial Contract Date: | 06/01/1993 |
| Contract Expiration Date: | 04/30/2012 |
| Quality of Service: | Firm (Bundled) |
| Daily Maximum Withdrawal: | 20,847 DT<br>100%>20% 20,847<br><20%>=10% 17,372<br><10%>= 0% 13,899 |
| Availability (Withdrawal/Injection): | Year round |
| Daily Maximum Injection: | 12,656 DT |
| Maximum Storage Quantity: | 2,462,120 DT |
| Fuel (%) Injection & Withdrawal: | Subject to Tetco Tariff Revisions |
| Nomination & Scheduling: | NAESB Standards. |
| Other Terms & Conditions: | Storage is a No Notice Service |

PHILA.GAS WORKS

PGW NATURAL GAS CONTRACT INFORMATION
Underground Storage Contract

| | |
|---|---|
| Name & Type of Service: | GSS |
| Delivery Pipeline & Contract #: | Transco Contract #1000791 |
| Associated Contract: | None |
| Contract Term: | 5 Years |
| Initial Contract Date: | 07/09/1996 |
| Contract Expiration Date: | 03/31/2028 |
| Quality of Service: | Firm (Bundled) |
| Daily Maximum Withdrawal: | 61,567 DT |

| Inventory % | W/D Rate |
|---|---|
| 100%>35% | 61,567 |
| 35%>=20% | 60,951 |
| 20%>= 7% | 45,560 |
| 7%>=0% | 33,862 |

| | |
|---|---|
| Availability (Withdrawal/Injection): | Year round |
| Daily Maximum Injection: | <50% 22,910 |
| | >50% 19,270 |
| Maximum Storage Quantity: | 4,123,733 DT |
| Fuel (%) Injection : | Subject to Transco Tariff Revisions |
| Nomination & Scheduling: | NAESB Standards. |
| Other Terms & Conditions: | Storage is a No Notice Service |

PHILA.GAS WORKS

PGW NATURAL GAS CONTRACT INFORMATION
Underground Storage Contract

| | |
|---|---|
| Name & Type of Service: | S 2 |
| Delivery Pipeline & Contract #: | Transco Contract #1000943 |
| Associated Contract: | None |
| Contract Term: | 5 Years |
| Initial Contract Date: | 04/16/1996 |
| Contract Expiration Date: | 04/15/2001 |
| Quality of Service: | Firm (Bundled) |
| Daily Maximum Withdrawal: | 5,191 DT<br>100%>20% 5,191<br>20%>=10% 4,238<br>10%>= 0% 3,482 |
| Availability (Withdrawal/Injection): | Injection from April 16 to Nov 15<br>Withdrawal from Nov 16 to April 15 |
| Daily Maximum Injection: | 3,900 DT |
| Maximum Storage Quantity: | 466,548 DT |
| Fuel (%) Injection & Withdrawal: | Subject to Transco Tariff Revisions |
| Nomination & Scheduling: | NAESB Standards. |
| Other Terms & Conditions: | Contract is now in the evergreen state.<br>Storage is a No Notice Service. |

PHILA.GAS WORKS

PGW NATURAL GAS CONTRACT INFORMATION
Underground Storage Contract

| | |
|---|---|
| Name & Type of Service: | WSS |
| Delivery Pipeline & Contract #: | Transco Contract #1038582 |
| Associated Contract: | Transco 1003691 & 1005001 |
| Contract Term: | 1 Year |
| Initial Contract Date: | 04/01/2001 |
| Contract Expiration Date: | 03/31/2002 |
| Quality of Service: | Firm (Unbundled) |
| Daily Maximum Withdrawal: | 35,115 |

| Inventory % | W/D Rate |
|---|---|
| 100%>80% | 35,115 |
| 80%>=60% | 31,471 |
| 60%>= 40% | 28,512 |
| 40%>=20% | 23,828 |
| 20%>=0 % | 19,283 |

| | |
|---|---|
| Availability (Withdrawal/Injection): | Year Round |
| Daily Maximum Injection: | <50% 18,533<br>>50% 15,588 |
| Maximum Storage Quantity: | 3,335,909 DT |
| Fuel (%) Injection : | Subject to Transco Tariff Revisions |
| Nomination & Scheduling: | NAESB Standards. |
| Other Terms & Conditions: | Storage converted to Part 284G. Contract is now in the evergreen state. |

# Tab No. 17

53.65(3)

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

**Item 53.65(3)**

Efforts made by the utility to obtain gas, transportation or storage from nonaffiliated interests.

**Response:**

PGW has no affiliates, therefore, all gas purchases were made from non-affiliated interests. Also, see the response to 53.64(c)(6) Tab 5 outlining PGW's current least cost fuel procurement practices.

# Tab No. 18

53.65(4)

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

**Item 53.65(4)**

The specific reasons why the utility has purchased gas, transportation or storage from an affiliated interest and demonstration that the purchases are consistent with a least cost fuel procurement policy.

**Response:**

PGW has no affiliates, therefore, all gas purchases were made from non-affiliated interests. Also, see the response to 53.64(c)(6), Tab 5, outlining PGW's current least cost fuel procurement practices.

# Tab No. 19

53.65(5)

**Philadelphia Gas Works**

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

**Item 53.65(5)** The sources and amounts of gas, transportation or storage, which have been withheld from the market by the utility or, affiliated interest and the reasons why the gas, transportation or storage has been withheld?

**Response:** PGW has no affiliates.

PGW operates two LNG Peak shaving facilities with a total usable storage capacity of 3.9 Bcf, 18.66 percent of PGW's total storage capacity. When pipeline and underground storage deliveries are insufficient to meet sendout requirements, LNG storage withdrawals will be considered. These LNG storage withdrawals are based upon incremental costs, weather forecasts, inventory balances, distribution system requirements, and other variables such as plant maintenance and operating requirements all of which can influence the vaporization and liquefaction rates of PGW's LNG facilities.

PGW used a total of 1,584,877 Mcf of LNG to meet city sendout requirements during fiscal year 2023.

**Philadelphia Gas Works**

Pennsylvania Public Utility Commission
52 Pa. Code §53.61, et seq.
For the Twelve Months Ending December 31, 2023

**Item 53.65(5)**

Identify gas, transport, or Storage withheld from the market.

**Response:**

PGW has not withheld any assets from market.

# Tab No. 20

1317(a)(1)

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

**Item 1317(a)(1)**

General rule.--In every rate proceeding instituted by a natural gas distribution utility, pursuant to section 1307(f) (relating to sliding scale of rates; adjustments), each such utility shall be required to supply to the commission such information, to be established by commission regulation within 120 days of the passage of this section, that will permit the commission to make specific findings as to whether the utility is pursuing a least cost fuel procurement policy, consistent with the utility's obligation to provide safe, adequate and reliable service to its customers. Such information shall include, but need not be limited to, information, data and statements regarding:

(1) The utility's participation in rate proceedings before the Federal Energy Regulatory Commission which affect the utility's gas costs.

**Response:**

Please refer to Item 53.64(c)(4), Tab 3, contained in this filing.

# Tab No. 21

1317(a)(2)

Docket No. R-2024-XXXXXXX
Tab 21 Item 1317(a)(2)

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

**Item 1317(a)(2)**

General rule.--In every rate proceeding instituted by a natural gas distribution utility, pursuant to section 1307(f) (relating to sliding scale of rates; adjustments), each such utility shall be required to supply to the commission such information, to be established by commission regulation within 120 days of the passage of this section, that will permit the commission to make specific findings as to whether the utility is pursuing a least cost fuel procurement policy, consistent with the utility's obligation to provide safe, adequate and reliable service to its customers. Such information shall include, but need not be limited to, information, data and statements regarding:

(2) The utility's efforts to negotiate favorable contracts with gas suppliers and to renegotiate existing contracts with gas suppliers or take legal actions necessary to relieve the utility from existing contract terms which are or may be adverse to the interests of the utility's ratepayers.

**Response:**

Please refer to Item 53.64(c)(1), Tab 1, contained in this filing.

# Tab No. 22

1317(a)(3)

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

**Item 1317(a)(3)**

General rule.--In every rate proceeding instituted by a natural gas distribution utility, pursuant to section 1307(f) (relating to sliding scale of rates; adjustments), each such utility shall be required to supply to the commission such information, to be established by commission regulation within 120 days of the passage of this section, that will permit the commission to make specific findings as to whether the utility is pursuing a least cost fuel procurement policy, consistent with the utility's obligation to provide safe, adequate and reliable service to its customers. Such information shall include, but need not be limited to, information, data and statements regarding:

(3) The utility's efforts to secure lower cost gas supplies both within and outside of the Commonwealth, including the use of transportation arrangements with pipelines and other gas distribution companies.

**Response:**

Please refer to Item 53.64(c)(1), Tab 1, contained in this filing.

# Tab No. 23

1317(a)(4)

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

**Item 1317(a)(4)**

General rule.--In every rate proceeding instituted by a natural gas distribution utility, pursuant to section 1307(f) (relating to sliding scale of rates; adjustments), each such utility shall be required to supply to the commission such information, to be established by commission regulation within 120 days of the passage of this section, that will permit the commission to make specific findings as to whether the utility is pursuing a least cost fuel procurement policy, consistent with the utility's obligation to provide safe, adequate and reliable service to its customers. Such information shall include, but need not be limited to, information, data and statements regarding:

(4) The sources and amounts of all gas supplies which have been withheld or have been caused to be withheld from the market by the utility and the reasons why such gas is not to be utilized.

**Response:**

Please refer to Item 53.65(5), Tab 19, contained in this filing.

# Tab No. 24

1317(b)(1)

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

**Item 1317(b)(1)**

Integrated gas companies.--In the case of a natural gas distribution utility which purchases all or part of its gas supplies from an affiliated interest, as that term is defined in section 2101 (relating to definition of affiliated interest), such utility shall, in addition to the materials required in subsection(a), be required to provide to the commission such information, to be established by commission regulation within 120 days of the passage of this section, that will permit the commission to make specific findings as to whether any purchases of gas from an affiliated interest are consistent with a least cost fuel procurement policy, consistent with the utility's obligation to provide safe, adequate and reliable service to its customers. Such information shall include, but need not be limited to, statements regarding:

(1) Efforts made by the utility to obtain gas supplies from nonaffiliated interests.

**Response:**

Please refer to Item 53.65(3), Tab 17, contained in this filing.

# Tab No. 25

1317(b)(2)

Docket No. R-2024-XXXXXXX
Tab 25 Item 1317(b)(2)

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

**Item 1317(b)(2)**

Integrated gas companies.--In the case of a natural gas distribution utility which purchases all or part of its gas supplies from an affiliated interest, as that term is defined in section 2101 (relating to definition of affiliated interest), such utility shall, in addition to the materials required in subsection(a), be required to provide to the commission such information, to be established by commission regulation within 120 days of the passage of this section, that will permit the commission to make specific findings as to whether any purchases of gas from an affiliated interest are consistent with a least cost fuel procurement policy, consistent with the utility's obligation to provide safe, adequate and reliable service to its customers. Such information shall include, but need not be limited to, statements regarding:

(2) The specific reasons why the utility has purchased gas supplies from an affiliated interest and demonstration that such purchases are consistent with a least cost fuel procurement policy.

**Response:**

Please refer to Item 53.65(4), Tab 18, contained in this filing.

# Tab No. 26

1317(b)(3)

Docket No. R-2024-XXXXXXX
Tab 26 Item 1317(b)(3)

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

**Item 1317(b)(3)**

Integrated gas companies.--In the case of a natural gas distribution utility which purchases all or part of its gas supplies from an affiliated interest, as that term is defined in section 2101 (relating to definition of affiliated interest), such utility shall, in addition to the materials required in subsection(a), be required to provide to the commission such information, to be established by commission regulation within 120 days of the passage of this section, that will permit the commission to make specific findings as to whether any purchases of gas from an affiliated interest are consistent with a least cost fuel procurement policy, consistent with the utility's obligation to provide safe, adequate and reliable service to its customers. Such information shall include, but need not be limited to, statements regarding:

(3) The sources and amounts of all gas supplies which have been withheld from the market by the utility or any affiliated interest and the reasons why such gas is not being utilized.

**Response:**

Please refer to Item 53.65(5), Tab 19, contained in this filing.

# Tab No. 27

1317(c)(1)

Docket No. R-2024-XXXXXXX
Tab 27 Item 1317(c)(1)

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

**Item 1317(c)(1)**

Reliability plans.--As part of its filing under section 1307(f) or if it is not required to make such a filing on an annual basis, a natural gas distribution company, as defined in section 2202 (relating to definitions), shall file a proposed reliability plan with the commission which shall, at a minimum, identify the following:

(1) The projected peak day and seasonal requirements of the firm customers utilizing the distribution system of the natural gas distribution company during the 12-month projected period specified in section 1307(f)(1). Where operationally required, the design peak day requirements shall be specified for discrete segments of each natural gas distribution system.

**Response:**

Please refer to Item 53.64(c)(13), Tab 12, contained in this filing.

# Tab No. 28

1317(c)(2)

Docket No. R-2024-XXXXXXX
Tab 28 Item 1317(c)(2)

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

**Item 1317(c)(2)**

Reliability plans.--As part of its filing under section 1307(f) or if it is not required to make such a filing on an annual basis, a natural gas distribution company, as defined in section 2202 (relating to definitions), shall file a proposed reliability plan with the commission which shall, at a minimum, identify the following:

(2) The transportation capacity, storage, peaking or on-system production that ensures deliverability of the natural gas supplies necessary to meet such projected period peak day and seasonal requirements.

**Response:**

PGW does not maintain a specific document entitled a Reliability Plan, however, all of the components that would be contained in such a document are prepared by PGW and are contained in this filing in Items 53.64(c)(1) Tab 1, 53.64(c)(3) Tab 2, 53.64(c)(5) Tab3, 53.64(c)(6) Tab 5, 53.64(c)(10) Tab 9, 53.64(c)(12) Tab 11, 53.64(c)(13) Tab12, 53.64(c)(14) Tab 13, 53.65(2) Tab 16 and 53.65(5) Tab 19.

# Tab No. 29

1317(d)

Docket No. R-2024-XXXXXXX
Tab 29 Item 1317(d)

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

**Item 1317(d)**

Supply plans.--As part of its filing under section 1307(f), a natural gas distribution company shall file a proposed plan with the commission for acquisition or receipt of natural gas supplies.

**Response:**

Please refer to Item 53.64(c)(1), Tab1, and 53.65(2), Tab 16, contained in this filing.

# Tab No. 30

1318(a)(1)

Docket No. R-2024-XXXXXXX
Tab 30 Item 1318(a)(1)

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

**Item 1318(a)(1)**

General rule.--In establishing just and reasonable rates for those natural gas distribution companies, as defined in section 2202 (relating to definitions), with gross intrastate operating revenues in excess of $40,000,000 under section 1307(f) (relating to sliding scale of rates; adjustments) or 1308(d) (relating to voluntary changes in rates) or any other rate proceeding, the commission shall consider the materials provided by the utilities pursuant to section 1317 (relating to regulation of natural gas costs). No rates for a natural gas distribution utility shall be deemed just and reasonable unless the commission finds that the utility is pursuing a least cost fuel procurement policy, consistent with the utility's obligation to provide safe, adequate and reliable service to its customers. In making such a determination, the commission shall be required to make specific findings which shall include, but need not be limited to, findings that:

(1) The utility has fully and vigorously represented the interests of its ratepayers in proceedings before the Federal Energy Regulatory Commission.

**Response:**

Please refer to Item 53.64(c)(4) Tab 3 contained in this filing.

# Tab No. 31

1318(a)(2)

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

**Item 1318(a)(2)**

General rule.--In establishing just and reasonable rates for those natural gas distribution companies, as defined in section 2202 (relating to definitions), with gross intrastate operating revenues in excess of $40,000,000 under section 1307(f) (relating to sliding scale of rates; adjustments) or 1308(d) (relating to voluntary changes in rates) or any other rate proceeding, the commission shall consider the materials provided by the utilities pursuant to section 1317 (relating to regulation of natural gas costs). No rates for a natural gas distribution utility shall be deemed just and reasonable unless the commission finds that the utility is pursuing a least cost fuel procurement policy, consistent with the utility's obligation to provide safe, adequate and reliable service to its customers. In making such a determination, the commission shall be required to make specific findings which shall include, but need not be limited to, findings that:

(2) The utility has taken all prudent steps necessary to negotiate favorable gas supply contracts and to relieve the utility from terms in existing contracts with its gas suppliers which are or may be adverse to the interests of the utility's ratepayers.

**Response:**

Please refer to Item 53.64(c)(1), Tab 1, contained in this filing.

# Tab No. 32

1318(a)(3)

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

**Item 1318(a)(3)**

General rule.--In establishing just and reasonable rates for those natural gas distribution companies, as defined in section 2202 (relating to definitions), with gross intrastate operating revenues in excess of $40,000,000 under section 1307(f) (relating to sliding scale of rates; adjustments) or 1308(d) (relating to voluntary changes in rates) or any other rate proceeding, the commission shall consider the materials provided by the utilities pursuant to section 1317 (relating to regulation of natural gas costs). No rates for a natural gas distribution utility shall be deemed just and reasonable unless the commission finds that the utility is pursuing a least cost fuel procurement policy, consistent with the utility's obligation to provide safe, adequate and reliable service to its customers. In making such a determination, the commission shall be required to make specific findings which shall include, but need not be limited to, findings that:

(3) The utility has taken all prudent steps necessary to obtain lower cost gas supplies on both short-term and long-term bases both within and outside the Commonwealth, including the use of gas transportation arrangements with pipelines and other distribution companies.

**Response:**

Please refer to Item 53.64(c)(1) Tab 1 contained in this filing.

# Tab No. 33

1318(a)(4)

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

**Item 1318(a)(4)**

General rule.--In establishing just and reasonable rates for those natural gas distribution companies, as defined in section 2202 (relating to definitions), with gross intrastate operating revenues in excess of $40,000,000 under section 1307(f) (relating to sliding scale of rates; adjustments) or 1308(d) (relating to voluntary changes in rates) or any other rate proceeding, the commission shall consider the materials provided by the utilities pursuant to section 1317 (relating to regulation of natural gas costs). No rates for a natural gas distribution utility shall be deemed just and reasonable unless the commission finds that the utility is pursuing a least cost fuel procurement policy, consistent with the utility's obligation to provide safe, adequate and reliable service to its customers. In making such a determination, the commission shall be required to make specific findings which shall include, but need not be limited to, findings that:

(4) The utility has not withheld from the market or caused to be withheld from the market any gas supplies which should have been utilized as part of a least cost fuel procurement policy.

**Response:**

Please refer to Item 53.65(5) Tab 19 contained in this filing.

# Tab No. 34

1318(b)(1)

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

**Item 1318(b)(1)**

Limitation on gas purchased from affiliates.--In any instance in which a natural gas distribution company purchases all or part of its gas supplies from an affiliated interest, as that term is defined in section 2101 (relating to definition of affiliated interest), the commission, in addition to the determinations and findings set forth in subsection (a), shall be required to make specific findings with regard to the justness and reasonableness of all such purchases. Such findings shall include, but not be limited to findings:

(1) That the utility has fully and vigorously attempted to obtain less costly gas supplies on both short-term and long-term bases from nonaffiliated interests.

**Response:**

Please refer to Item 53.65(3) Tab 17 contained in this filing.

# Tab No. 35

1318(b)(2)

Docket No. R-2024-XXXXXXX
Tab 35 Item 1318(b)(2)

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

**Item 1318(b)(2)**

Limitation on gas purchased from affiliates.--In any instance in which a natural gas distribution company purchases all or part of its gas supplies from an affiliated interest, as that term is defined in section 2101 (relating to definition of affiliated interest), the commission, in addition to the determinations and findings set forth in subsection (a), shall be required to make specific findings with regard to the justness and reasonableness of all such purchases. Such findings shall include, but not be limited to findings:

(2) That each contract for the purchase of gas from its affiliated interest is consistent with a least cost fuel procurement policy.

**Response:**

Please refer to Item 53.65(4) Tab 18 contained in this filing.

# Tab No. 36

1318(b)(3)

Docket No. R-2024-XXXXXXX
Tab 36 Item 1318(b)(3)

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

**Item 1318(b)(3)**

Limitation on gas purchased from affiliates.--In any instance in which a natural gas distribution company purchases all or part of its gas supplies from an affiliated interest, as that term is defined in section 2101 (relating to definition of affiliated interest), the commission, in addition to the determinations and findings set forth in subsection (a), shall be required to make specific findings with regard to the justness and reasonableness of all such purchases. Such findings shall include, but not be limited to findings:

(3) That neither the utility nor its affiliated interest has withheld from the market any gas supplies which should have been utilized as part of a least cost fuel procurement policy.

**Response:**

Please refer to Item 53.65(5) Tab 19 contained in this filing.

# Tab No. 37

1318(c)

Docket No. R-2024-XXXXXXX
Tab 37Item 1318(c)

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

**Item 1318(c)**

Shut-in gas; special rule.--In determining whether a gas utility has purchased the least costly natural gas available, the commission shall consider as available to the utility any gas supplies that reasonably could have been brought to market during the relevant period but which were voluntarily withheld from the market by the utility or an affiliated interest of the utility.

**Response:**

Please refer to Item 53.65(5) Tab 19 contained in this filing.