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 Pennsylvania Public  
 Utility Commission,  
 et al.  
           v.  
 Philadelphia Gas Works

Petition of Philadelphia  
 Gas Works for Approval  
 on Less than Statutory  
 Notice of Tariff  
 Supplement Revising  
 Weather Normalization  
 Adjustment

                  1308(b)

Call-In Telephonic  
 Evidentiary

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Docket Nos.: R-2022-3034229  
 P-2022-3034264

Pages 144 - 235

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Judge's Chambers  
 State Office Building  
 801 Market Street  
 Philadelphia, PA

May 24, 2023  
 Commencing at 10:11 a.m.

INDEX TO EXHIBITS

Docket Nos. R-2022-3034229, P-2022-3034264

Hearing Date: May 24, 2023

<u>NUMBER</u>	<u>FOR IDENTIFICATION</u>	<u>IN EVIDENCE</u>
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Docket Nos. R-2022-3034229, P-2022-3034264

Hearing Date: May 24, 2023

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**COALITION FOR AFFORDABLE UTILITY SERVICES AND  
ENERGY EFFICIENCY IN PENNSYLVANIA**

**HEARING EXHIBIT 1**

**PHILADELPHIA GAS WORKS' RESPONSES TO THE SET III  
INTERROGATORIES OF THE COALITION FOR  
AFFORDABLE UTILITY SERVICES AND ENERGY  
EFFICIENCY IN PENNSYLVANIA**

Philadelphia Gas Works  
Case Name: PGW WNA Cap Proceeding  
Docket No(s): P-2022-3034264

Response to Discovery Request: CAUSE-PA Set III-1  
Date of Response: 5/15/2023  
Response Provided By: Denise Adamucci

Question:

Does PGW exclude application of the WNA for CRP customers?

a. If so, please explain how this exclusion is implemented, and identify the language in PGW's WNA tariff that either requires or allows PGW to exclude WNA charges from CRP bill calculation.

Attachments: 0

Response:

No, the WNA is not excluded for CRP customers. However, CRP customers are charged their percentage of income or a fixed average bill rendering the WNA moot for these customers.



Philadelphia Gas Works  
Case Name: PGW WNA Cap Proceeding  
Docket No(s): P-2022-3034264

Response to Discovery Request: CAUSE-PA Set III-2  
Date of Response: 5/15/2023  
Response Provided By: Denise Adamucci

Question:

Does PGW exclude WNA charges in calculating a CRP customer's average bill rate? Please explain.

Attachments: 0

Response:

Please see response to CAUSE-PA-III-1.

Philadelphia Gas Works  
Case Name: PGW WNA Cap Proceeding  
Docket No(s): P-2022-3034264

Response to Discovery Request: CAUSE-PA Set III-3  
Date of Response: 5/15/2023  
Response Provided By: Denise Adamucci

Question:

Does PGW exclude WNA charges in calculating a CRP customer's PIPP bill rate? Please explain.

Attachments: 0

Response:

Please see response to CAUSE-PA-III-1.

Philadelphia Gas Works  
Case Name: PGW WNA Cap Proceeding  
Docket No(s): P-2022-3034264

Response to Discovery Request: CAUSE-PA Set III-4  
Date of Response: 5/15/2023  
Response Provided By: Denise Adamucci

Question:

Can WNA charges ever affect a CRP customer's billed rate? If so, please explain.

Attachments: 0

Response:

Yes. A CRP customer who reaches their annual consumption limit can be moved to a fixed average bill. However, based on PGW's proposal in its last Universal Service and Energy Conservation Plan, customers reaching their consumption limit will no longer be moved to the average bill in the future.

Philadelphia Gas Works  
Case Name: PGW WNA Cap Proceeding  
Docket No(s): P-2022-3034264

Response to Discovery Request: CAUSE-PA Set III-5  
Date of Response: 5/15/2023  
Response Provided By: Denise Adamucci

Question:

Can WNA charges ever affect a CRP customer's maximum CAP credit? If so, please explain.

Attachments: 0

Response:

Please see response to CAUSE-PA-III-4.

Philadelphia Gas Works  
Case Name: PGW WNA Cap Proceeding  
Docket No(s): P-2022-3034264

Response to Discovery Request: CAUSE-PA Set III-6  
Date of Response: 5/15/2023  
Response Provided By: Denise Adamucci

Question:

Does PGW exclude WNA charges from calculation of its CRP shortfall (e.g., the amount of dollars recovered from other residential ratepayers to pay for CRP)? Please explain why or why not, and how the exclusion is calculated.

Attachments: 0

Response:

No. Please see response to CAUSE-PA-III-1.

Philadelphia Gas Works  
Case Name: PGW WNA Cap Proceeding  
Docket No(s): P-2022-3034264

Response to Discovery Request: CAUSE-PA Set III-7  
Date of Response: 5/15/2023  
Response Provided By: Denise Adamucci

Question:

If the answer to CAUSE-PA III-6 is no, for each month since January 2020, please identify the total dollar amount recovered through the CRP shortfall as a result of application of the WNA.

Attachments: 0

Response:

The CRP “shortfall”, also known as the CRP Discount, is not allocated to itemized components of a customer’s bill. Therefore, it cannot be determined how much of a customer’s CRP discount is applied against the WNA versus other rate components.

Philadelphia Gas Works  
Case Name: PGW WNA Cap Proceeding  
Docket No(s): P-2022-3034264

Response to Discovery Request: CAUSE-PA Set III-10  
Date of Response: 5/15/2023  
Response Provided By: Denise Adamucci

Question:

Does PGW exclude application of the WNA for non-CRP low income customers?

Attachments: 0

Response:

No.

Philadelphia Gas Works  
Case Name: PGW WNA Cap Proceeding  
Docket No(s): P-2022-3034264

Response to Discovery Request: CAUSE-PA Set III-11  
Date of Response: 5/15/2023  
Response Provided By: Denise Adamucci

Question:

Does PGW make any modification in its application of the WNA to the bill of non-CRP low income customers?

Attachments: 0

Response:

As modification is not defined, PGW assumes this is the same request as CAUSE III-10 and the response is no.



Philadelphia Gas Works  
Case Name: PGW WNA Cap Proceeding  
Docket No(s): P-2022-3034264

Response to Discovery Request: CAUSE-PA Set III-12  
Date of Response: 5/15/2023  
Response Provided By: Denise Adamucci

Question:

Please provide the total WNA bill credits or charges for each billing cycle in April 2023.

Attachments: 1

CAUSE-PA\_Set\_III\_12\_Attachment CAUSE-PA III-12.pdf

Response:

Please see Attachment CAUSE-PA-III-12. The revenue month of April 2023 has not closed yet, so these numbers are estimates as of May 8<sup>th</sup>, 2023.

<b>Bill Cycle</b>	<b>WNA Charges</b>
01	\$49,197
02	\$37,178
03	\$4,756
04	\$22,971
05	\$60,667
06	\$52,607
07	\$77,654
08	\$120,090
09	\$173,307
10	\$184,552
11	\$261,124
12	\$210,958
13	\$225,402
14	\$209,151
15	\$238,871
16	\$245,576
17	\$177,592
18	\$190,178
19	\$203,380
20	\$193,188
21	\$86,228
22	\$283,577
23	\$595
	\$40,185
<b>Total</b>	<b>\$3,348,982</b>

Philadelphia Gas Works  
Case Name: PGW WNA Cap Proceeding  
Docket No(s): P-2022-3034264

Response to Discovery Request: CAUSE-PA Set III-13  
Date of Response: 5/15/2023  
Response Provided By: Denise Adamucci

Question:

Please reference PGW's response to CAUSE-PA I-14, which includes PGW's WNA Annual Reports from 2018-2022. For each year, please provide the amount of the Total WNA Charge or (Credit) that is attributable to the residential ratepayers.

Attachments: 1

CAUSE-PA\_Set\_III\_13\_Attachment CAUSE-PA III-13.pdf

Response:

Please see Attachment CAUSE-PA-III-13.

<b>Fiscal Year</b>	<b>WNA Charges</b>
2018	\$ 3,537,519
2019	\$ (1,137,619)
2020	\$ (8,762,824)
2021	\$ (9,622,165)
2022	\$ (18,872,535)
<b>Total</b>	<b>\$ (34,857,624)</b>

Philadelphia Gas Works  
Case Name: PGW WNA Cap Proceeding  
Docket No(s): P-2022-3034264

Response to Discovery Request: CAUSE-PA Set III-14  
Date of Response: 5/15/2023  
Response Provided By: Denise Adamucci

Question:

From October 2022 through April 2023, how many residential customer bills contained WNA charges that would have exceeded PGW's proposed 25% cap?

Attachments: 0

Response:

Please see the below table.

<b>Month</b>	<b># Service Agreements Affected</b>	<b>Dollars Affected</b>
October 2022	130	\$4,252.76
November 2022	12,496	\$46,178.91
December 2022	532	\$9,993.76
January 2023	21,864	\$90,347.24
February 2023	9,984	\$55,758.68
March 2023	3,802	\$20,742.02
April 2023	1,229	\$33,484.28

Philadelphia Gas Works  
Case Name: PGW WNA Cap Proceeding  
Docket No(s): P-2022-3034264

Response to Discovery Request: CAUSE-PA Set III-15  
Date of Response: 5/15/2023  
Response Provided By: Denise Adamucci

Question:

See CAUSE-PA -14, for each bill that would have exceeded PGW's proposed 25% cap, please provide the amount of the WNA charge.

Attachments: 0


Response:

Please see response to CAUSE-PA-III-14.

**VERIFICATION**

I, Denise Adamucci, hereby state that: (1) I am the Senior Vice President for Customer & Regulatory Affairs for Philadelphia Gas Works (“PGW”); (2) the facts set forth in the attached discovery responses which I am sponsoring are true and correct to the best of my knowledge, information and belief; and (3) I expect to be able to prove the same at a hearing held in this matter. I understand that the statements herein are made subject to the penalties of 18 Pa. C.S. § 4904 (relating to unsworn falsification to authorities).

Date: May 15, 2023

  
\_\_\_\_\_  
Denise Adamucci  
Senior Vice President for Customer & Regulatory Affairs  
Philadelphia Gas Works

Philadelphia Gas Works  
PGW WNA Cap Proceeding  
Response to Discovery Request: CAUSE-PA Set III-9  
Supplement No. 152 to Gas Service Tariff- Pa. P.U.C. of Philadelphia Gas Works and Petition of  
Philadelphia Gas Works for Approval on Less than Statutory Notice Of Tariff Supplement  
Revising Weather Normalization Adjustment  
Docket Nos. P-2022-3034264 R-2022-3034229  
Response Provided By: Denise Adamucci  
5/19/2023

QUESTION:

Please provide a copy of a CRP bill for a PIPP rate CRP participant; a CRP bill for an average bill rate participant; and a CRP bill for a minimum bill rate CRP participant for each month from May 2022 through May 2023, redacting any personally identifying information.

RESPONSE:

Please see Attachments CAUSE-PA-III-9.



# Attachment CAUSE-PA-III-9 - PIPP Bills



**PHONE**

Gas Leaks & Emergencies (24/7)	(215) 235-1212
Residential Customer Service (8am to 6pm, M-F)	(215) 235-1000
Commercial Customer Service (8am to 4:30pm, M-F)	(215) 235-7077
Credit & Collections (8am to 4:30pm, M-F)	(215) 235-1777
Report Theft of Gas (24/7)	(215) 684-6383

**TERMS**

How's my gas measured?

**CCF** - 100 cubic feet of gas. This is a measure of gas usage. One CCF is about the amount of gas used to run an average-sized house heater nonstop for one hour.

**Dekatherms (DTH)** - A measure of the heat content value of gas. Gas usage is determined by multiplying the MCF used by the heat content value of the gas.

**MCF** - 1,000 cubic feet of gas. This is a measure of gas usage.

What are my charges?

*\*See the PGW Gas Service tariff on pgworks.com for full details.*

**Commodity Charges** – The charge for basic gas supply service which is sold either by volume (ccf or mcf) or heating value (DTH). These charges are passed along to customers at the price PGW pays, with no markup.

**Customer Charges** – A monthly charge to cover NGDC costs such as maintaining the lines, meter reading and billing.

**Distribution Charges** – The charge for delivery of natural gas from the point of receipt by the NGDC to the customer.

**Distribution System Improvement Charge (DSIC)** - A charge approved by the Pennsylvania Public Utility Commission (PUC) for recovery of the reasonable and prudent costs incurred to repair, improve, or replace eligible distribution property. A DSIC provides PGW with the resources to accelerate the replacement of aging infrastructure.

**Gas Cost Adjustments** – Amount billed or credited each month to account for differences between projected and actual gas supply costs of the NGDC.

**Weather Normalization Adjustment** – An adjustment approved by the PUC as a way to help PGW stabilize its income and operate more efficiently within its budget during the heating season.

Other Helpful Terms

**Budget Bill** – An optional billing method which averages estimated service costs over a 12-month period.

**Meter Reading Information** – PGW uses its best effort to obtain an actual meter reading regularly, and at least every six months for customers without automatic meter reading devices. When the meter is not read, PGW estimates your gas use. To avoid estimates, you may read your own meter and call us with the reading. We also offer stamped, preaddressed postcards, which you can use to send us your meter reading by the specified date. To request a supply of these cards, call (215) 235-1000, or write us at P.O. Box 3500, Philadelphia, PA 19122.

**Natural Gas Distribution Company (NGDC)** – A state regulated natural gas utility which owns the gas lines and equipment necessary to deliver natural gas to the consumer. PGW is a NGDC.

What is the Customer Responsibility Program (CRP)?

**Customer Responsibility Program (CRP)** – PGW's low income customer assistance program which provides a lower monthly bill and forgiveness of pre-program debt.

**CRP Discount** – The difference between the actual cost for gas and what CRP customers are asked to pay.

**CRP Reverse Discount** – During months in which the CRP amount is higher than the billing amount based on usage, the difference is expressed as CRP Reverse Discount. Please note that no matter the value of the CRP discount or CRP reverse discount, the monthly bill will be equal to the agreement amount.

**CRP Forgiveness Amount** – The amount by which a CRP customer's arrears is reduced each month they pay their CRP amount on time and in full.



**PAY WITH CASH** **POSTS SAME DAY AND FREE.**

**BRING THIS BARCODE TO ANY**



By accepting or using this barcode to make a payment, you agree to the full terms and conditions, available at [VanillaDirect.com/terms](http://VanillaDirect.com/terms). After successful payment using this barcode, you may retrieve your full detailed e-receipt at [VanillaDirect.com/Pay/ereceipt](http://VanillaDirect.com/Pay/ereceipt).

Five dollar (\$5.00) minimum payment required with barcode. Barcode must be presented at time of payment. Participating vendors will only accept cash with barcode. Payments made with barcode must be made before 4:00 p.m. in order to post to account the same day. Payments made with barcode while termination of service is in progress will not serve to stop termination of service. For eligible accounts only.

**RIGHTS & OBLIGATIONS**

A summary of your rights and obligations as a PGW customer will be made available upon request. A rate schedule and an explanation of how to verify the accuracy of a bill and an explanation of the various charges will be made available upon request.

**SUPPLIER INFORMATION**

If you have selected a Natural Gas Supplier other than PGW, the natural gas supplier is responsible for determining the rates billed for supplier charges. PGW will bill for gas delivery according to the tariff for your rate class. Commodity prices and charges are set by the Natural Gas Supplier you have chosen. The Public Utility Commission regulates the distribution prices and services.



PHILADELPHIA GAS WORKS  
**GAS LEAK EMERGENCIES: (215) 235-1212**

Attachment CAUSE-PA-III.9 - PIPP Bills



Access Your Account Online [www.pgworks.com](http://www.pgworks.com)



Billing & General Information (215) 235-1000 (English & Español)

Residential Heat & Domestic

**BREAK DOWN OF CHARGES**

Supply Charges

Commodity Charge 21 Ccf @ \$0.51603	\$10.84
<b>Total Supply Charges</b>	<b>\$10.84</b>

Delivery Charges

Customer Charge @ \$14.90	\$14.90
Distribution Charge 21 Ccf @ \$0.92321	\$19.39
Distribution System Improvement Charge 7.5%	\$2.57
Gas Cost Adjustment @ \$0.00338	\$0.07
Weather Normalization Adjustment	\$0.31

<b>Total Delivery Charges</b>	<b>\$37.24</b>
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CRP Reverse Discount	\$15.28
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<b>Total CRP Charges</b>	<b>\$63.36</b>
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**CRP INFORMATION**

CRP Agreement Status:	<b>ACTIVE</b>
CRP Agreement Type:	<b>6.00% OF INCOME</b>

**METER DETAILS**

Meter Number:	02233102
Read Cycle:	02
Read Dates:	04/03/2023 - 05/03/2023
Starting Read:	1812 Actual
Ending Read:	1833 Actual
Usage in CCF:	21.00
Conversion Factor:	1.0331 Therm = 1 Ccf
Usage in Therms:	21.69
Next Meter Read:	06/02/2023

**SHOPPING INFORMATION BOX**

When shopping for Natural Gas with a Natural Gas Supplier, please provide the following:

PGW Account:	
Service Point ID:	
Rate Class:	General Service Residential
Rate Schedule:	GSR

*If you are already shopping know your contract expiration date.*

**ADJUSTMENT DETAIL**

Adjustments for SA ID #

LIHEAP CREDIT PAYMENT DISTRIBUTION TRANSFER	-\$63.36
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Adjustments for SA ID #

LIHEAP CREDIT PAYMENT DISTRIBUTION TRANSFER	\$63.36
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<b>Total Adjustments</b>	<b>\$0.00</b>
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THINK YOU  
SMELL GAS?

**Leave the area and call  
(215) 235-1212.**

Our Emergency Hotline is available  
24 hours a day, 7 days a week.

Attachment CAUSE-PA-III-9 - PIPP Bills

**PGW Messages**



Your estimated gas price to Compare (PTC) is \$0.52066 per CCF. This estimated PTC was calculated by averaging PGW's quarterly PTC over 12 months and is subject to change every quarter. For a more accurate PTC please visit [pagasswitch.com](http://pagasswitch.com)

Questions or complaints about your bill?  
Please call us before the due date at (215) 235-1000, or write to: PGW P.O. Box 3500, Phila., PA 19122-0050



PHILADELPHIA GAS WORKS  
GAS LEAK EMERGENCIES: (215) 235-1212

Attachment CAUSE-PA-III-9 - PIPP Bills



Access Your Account Online [www.pgworks.com](http://www.pgworks.com)



Billing & General Information (215) 235-1000 (English & Español)



**Hello** Thank you for participating in the Customer Responsibility Program (CRP).

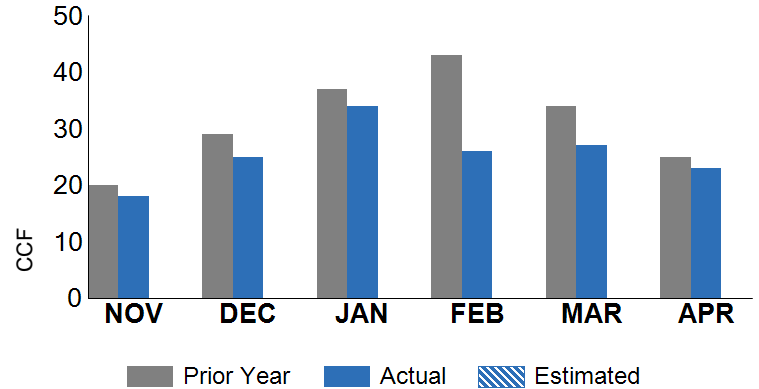


Please Pay **\$0.00**  
Due By **05/01/2023**

Billing Date APR 05, 2023  
Service From 03/03/2023 - 04/03/2023

Past Due CRP Charges -\$492.15  
Current CRP Charges \$63.36

### ENERGY USAGE SNAPSHOT



Average Daily Cost  
\$2.04  
Current Month  
Compared to \$1.60 prior year

Average Daily Temperature  
46° Current Month | Compared to 49° prior year  
Usage Over Last Year  
23 Ccf\* Monthly Average | 272 Ccf Total  
1 CCF = approx. 1 hour of heat  
*\*See terms on pg. 2*

### MESSAGE CENTER

**Call 811 Before You Dig:** Have a project that requires digging? Call 8-1-1 before you start so underground utility lines can be marked. Remember, it's the law and FREE!

**Don't Miss Out on LIHEAP:** Get up to \$1,000 to pay for your heating bill. Apply by April 28: PGWorks.com/LIHEAP

Do you or someone you know need assistance affording natural gas service? **We're here to help. Call us at 215-235-1000 or visit PGWorks.com/HELP**



Pay Online [www.pgworks.com](http://www.pgworks.com)



Pay By Phone (215) 235-1000 (English & Español)  
*\*a convenience fee of \$2.95 will be applied*



Pay With Cash (See Back For Details)

Please return this portion with your payment. Write your account number on your check or money order made payable to Philadelphia Gas Works.



<b>Please Pay</b> <b>\$0.00</b>	<b>Due By</b> <b>05/01/2023</b>
<b>Account Number:</b>	
\$ <input type="text"/> , <input type="text"/> <input type="text"/> , <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/>	

Thank you!



Philadelphia Gas Works  
P.O. Box 11700  
Newark, NJ 07101-4700



**PHONE**

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PHILADELPHIA GAS WORKS  
**GAS LEAK EMERGENCIES: (215) 235-1212**

Attachment CAUSE-PA-III.9 - PIPP Bills



Access Your Account Online [www.pgworks.com](http://www.pgworks.com)



Billing & General Information (215) 235-1000 (English & Español)

Residential Heat & Domestic

**BREAK DOWN OF CHARGES**

Supply Charges

Commodity Charge 23 Ccf @ \$0.51603 \$11.87

**Total Supply Charges \$11.87**

Delivery Charges

Customer Charge @ \$14.90 \$14.90

Distribution Charge 23 Ccf @ \$0.92321 \$21.23

Distribution System Improvement Charge 7.5% \$2.71

Gas Cost Adjustment @ \$0.00338 \$0.08

Weather Normalization Adjustment \$0.06

**Total Delivery Charges \$38.98**

CRP Reverse Discount \$12.51

**Total CRP Charges \$63.36**

**CRP INFORMATION**

CRP Agreement Status: **ACTIVE**  
 CRP Agreement Type: **6.00% OF INCOME**

**METER DETAILS**

Meter Number: 02233102  
 Read Cycle: 02  
 Read Dates: 03/03/2023 - 04/03/2023  
 Starting Read: 1789 Actual  
 Ending Read: 1812 Actual  
 Usage in CCF: 23.00  
 Conversion Factor: 1.0364 Therm = 1 Ccf  
 Usage in Therms: 23.83  
 Next Meter Read: 05/03/2023

**SHOPPING INFORMATION BOX**

When shopping for Natural Gas with a Natural Gas Supplier, please provide the following:

PGW Account:  
 Service Point ID:  
 Rate Class: General Service Residential  
 Rate Schedule: GSR

*If you are already shopping know your contract expiration date.*

**ADJUSTMENT DETAIL**

Adjustments for SA ID #

LIHEAP CREDIT PAYMENT DISTRIBUTION TRANSFER -\$63.36

Adjustments for SA ID #

LIHEAP CREDIT PAYMENT DISTRIBUTION TRANSFER \$63.36

**Total Adjustments \$0.00**

**THINK YOU SMELL GAS?**

It smells like rotten eggs

**Leave the area and call (215) 235-1212.**

Our Emergency Hotline is available 24 hours a day, 7 days a week.



Attachment CAUSE-PA-III-9 - PIPP Bills

**PGW Messages**



Your estimated gas price to Compare (PTC) is \$0.52066 per CCF. This estimated PTC was calculated by averaging PGW's quarterly PTC over 12 months and is subject to change every quarter. For a more accurate PTC please visit [pagasswitch.com](http://pagasswitch.com)

Questions or complaints about your bill?  
Please call us before the due date at (215) 235-1000, or write to: PGW P.O. Box 3500, Phila., PA 19122-0050



Attachment CAUSE-PA-III-9 - PIPP Bills  
PHILADELPHIA GAS WORKS  
**GAS LEAK EMERGENCIES: (215) 235-1212**

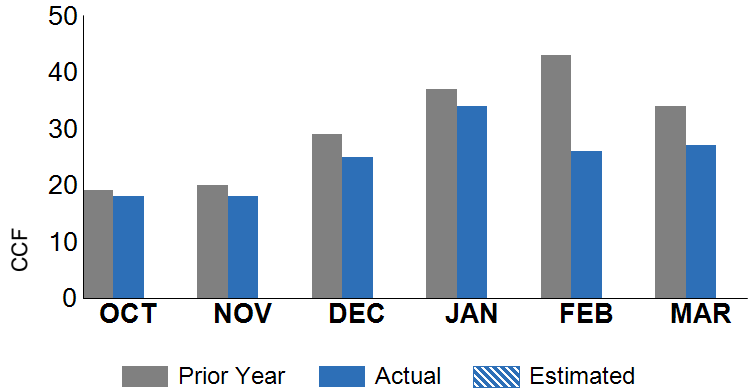
Access Your Account Online [www.pgworks.com](http://www.pgworks.com)  
Billing & General Information **(215) 235-1000** (*English & Español*)



### Hello

Thank you for participating in the Customer Responsibility Program (CRP).

### ENERGY USAGE SNAPSHOT



Please Pay **\$0.00**  
Due By **03/30/2023**

Billing Date **MAR 07, 2023**  
Service From **02/01/2023 - 03/03/2023**  
Past Due CRP Charges **-\$555.51**  
Current CRP Charges **\$63.36**

**Thank you for your payment of \$150.00**

Average Daily Cost  
\$2.11  
Current Month  
Compared to  
\$1.45 prior year

Average Daily Temperature  
44° Current Month | Compared to 41° prior year  
Usage Over Last Year  
23 Ccf\* Monthly Average | 274 Ccf Total  
1 CCF = approx. 1 hour of heat  
*\*See terms on pg. 2*

### MESSAGE CENTER

**What's That Smell?** Natural gas has a rotten egg-like odor for easy detection. If you think you smell gas, leave the area immediately, then call PGW's Emergency Hotline at 215-235-1212.

**Free Money from LIHEAP:** PGW customers may be eligible for up to \$1,000 from LIHEAP (Low Income Home Energy Assistance Program) to pay for their heating bills. The grant is available to renters & homeowners.  
**Apply now: [PGWorks.com/LIHEAP](http://PGWorks.com/LIHEAP)**

**Cut Your Bill With CRP:** The Customer Responsibility Program helps low-income customers keep gas service on. **Apply: [PGWorks.com/HELP](http://PGWorks.com/HELP)**

Pay Online [www.pgworks.com](http://www.pgworks.com)

Pay By Phone **(215) 235-1000** (*English & Español*)  
*\*a convenience fee of \$2.95 will be applied*

Pay With Cash (*See Back For Details*)

Please return this portion with your payment. Write your account number on your check or money order made payable to Philadelphia Gas Works.



Please Pay <b>\$0.00</b>	Due By <b>03/30/2023</b>
Account Number:	
\$ [ ] , [ ] [ ] [ ] , [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]	

*Thank you!*



**Philadelphia Gas Works**  
P.O. Box 11700  
Newark, NJ 07101-4700

**PHONE**

Gas Leaks & Emergencies (24/7)	(215) 235-1212
Residential Customer Service (8am to 6pm, M-F)	(215) 235-1000
Commercial Customer Service (8am to 4:30pm, M-F)	(215) 235-7077
Credit & Collections (8am to 4:30pm, M-F)	(215) 235-1777
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**TERMS**

[How's my gas measured?](#)

**CCF** - 100 cubic feet of gas. This is a measure of gas usage. One CCF is about the amount of gas used to run an average-sized house heater nonstop for one hour.

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[Other Helpful Terms](#)

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**Natural Gas Distribution Company (NGDC)** – A state regulated natural gas utility which owns the gas lines and equipment necessary to deliver natural gas to the consumer. PGW is a NGDC.

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**PAY WITH CASH** **POSTS SAME DAY AND FREE.**

**BRING THIS BARCODE TO ANY**



By accepting or using this barcode to make a payment, you agree to the full terms and conditions, available at [VanillaDirect.com/terms](#). After successful payment using this barcode, you may retrieve your full detailed e-receipt at [VanillaDirect.com/Pay/ereceipt](#).

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If you have selected a Natural Gas Supplier other than PGW, the natural gas supplier is responsible for determining the rates billed for supplier charges. PGW will bill for gas delivery according to the tariff for your rate class. Commodity prices and charges are set by the Natural Gas Supplier you have chosen. The Public Utility Commission regulates the distribution prices and services.



PHILADELPHIA GAS WORKS  
**GAS LEAK EMERGENCIES: (215) 235-1212**

Attachment CAUSE-PA-III.9 - PIPP Bills



Access Your Account Online [www.pgworks.com](http://www.pgworks.com)



Billing & General Information (215) 235-1000 (English & Español)

Residential Heat & Domestic

**BREAK DOWN OF CHARGES**

Supply Charges

Commodity Charge 24.3 Ccf @ \$0.82282	\$20.00
<b>Total Supply Charges</b>	<b>\$20.00</b>

Delivery Charges

Customer Charge @ \$14.90	\$13.41
Distribution Charge 24.3 Ccf @ \$0.94223	\$22.90
Distribution System Improvement Charge 7.5%	\$2.72
Gas Cost Adjustment @ \$0.01265	\$0.31
Weather Normalization Adjustment	\$1.58
<b>Total Delivery Charges</b>	<b>\$40.92</b>
CRP Discount	-\$3.90

Supply Charges

Commodity Charge 2.7 Ccf @ \$0.51603	\$1.39
<b>Total Supply Charges</b>	<b>\$1.39</b>

Delivery Charges

Customer Charge @ \$14.90	\$1.49
Distribution Charge 2.7 Ccf @ \$0.92321	\$2.49
Distribution System Improvement Charge 7.5%	\$0.30
Gas Cost Adjustment @ \$0.00338	\$0.01
Weather Normalization Adjustment	\$0.18
<b>Total Delivery Charges</b>	<b>\$4.47</b>
CRP Reverse Discount	\$0.48

<b>Total CRP Charges</b>	<b>\$63.36</b>
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**PAYMENTS RECEIVED**

03/01/2023 LIHEAP	\$150.00
<b>Total Payments</b>	<b>\$150.00</b>

**ADJUSTMENT DETAIL**

Adjustments for SA ID #

LIHEAP CREDIT PAYMENT DISTRIBUTION TRANSFER	-\$63.36
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Adjustments for SA ID #

LIHEAP CREDIT PAYMENT DISTRIBUTION TRANSFER	\$63.36
---	---------

<b>Total Adjustments</b>	<b>\$0.00</b>
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**CRP INFORMATION**

CRP Agreement Status:	<b>ACTIVE</b>
CRP Agreement Type:	<b>6.00% OF INCOME</b>

**METER DETAILS**

Meter Number:	02233102
Read Cycle:	02
Read Dates:	02/01/2023 - 03/03/2023
Starting Read:	1762 Actual
Ending Read:	1789 Actual
Usage in CCF:	27.00
Conversion Factor:	1.0369 Therm = 1 Ccf
Usage in Therms:	27.99
Next Meter Read:	04/03/2023

**SHOPPING INFORMATION BOX**

When shopping for Natural Gas with a Natural Gas Supplier, please provide the following:

PGW Account:	
Service Point ID:	
Rate Class:	General Service Residential
Rate Schedule:	GSR

*If you are already shopping know your contract expiration date.*

# THINK YOU SMELL GAS?

It smells  
like rotten  
eggs



**Leave the area and call  
(215) 235-1212.**

Our Emergency Hotline is available  
24 hours a day, 7 days a week.

#### PGW Messages

- ✉ March 1, 2023 Commodity Charge decreased to 0.51603 per CCF. Gas Cost Adjustment decreased to \$0.00338. Distribution Charge decreased to \$0.92321. The changes will decrease the typical residential heating bill by about \$238.92 a year.
- ✉ Your estimated gas price to Compare (PTC) is \$0.52066 per CCF. This estimated PTC was calculated by averaging PGW's quarterly PTC over 12 months and is subject to change every quarter. For a more accurate PTC please visit [pagasswitch.com](http://pagasswitch.com)

Questions or complaints about your bill?  
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Attachment CAUSE-PA-III.9 - PIPP Bills



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Billing & General Information (215) 235-1000 (English & Español)



**Hello**

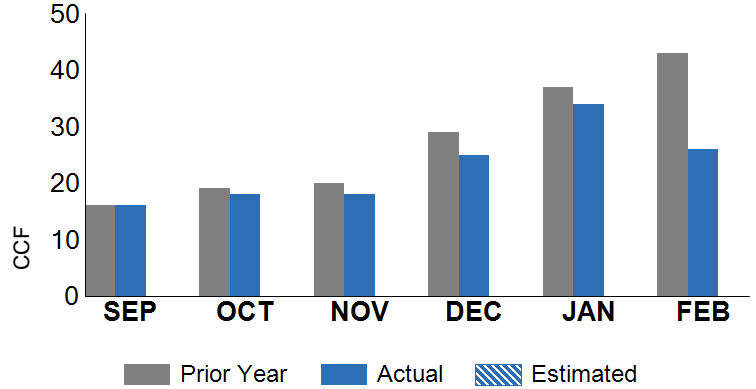
Thank you for participating in the Customer Responsibility Program (CRP).



Please Pay **\$0.00**  
 Due By **03/01/2023**

Billing Date **FEB 03, 2023**  
 Service From **01/03/2023 - 02/01/2023**  
 Past Due CRP Charges **-\$468.87**  
 Current CRP Charges **\$63.36**

**ENERGY USAGE SNAPSHOT**



Average Daily Cost	Average Daily Temperature
\$2.19	43° Current Month   Compared to 31° prior year
Current Month	Usage Over Last Year
Compared to \$1.60 prior year	23 Ccf* Monthly Average   281 Ccf Total
	1 CCF = approx. 1 hour of heat
	<i>*See terms on pg. 2</i>

**MESSAGE CENTER**

**ATTENTION:** Any customer who submitted a Customer Responsibility Program (CRP) application or other correspondence to PGW Mailbox: PO Box 3529, Philadelphia that was returned as UNDELIVERABLE by the US Post Office – please resend via mail, apply online for CRP [pgworks.com/crp], or visit a Neighborhood Energy Center to apply in person.

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Pay By Phone **(215) 235-1000** (English & Español)  
 \*a convenience fee of \$2.95 will be applied



Pay With Cash (See Back For Details)

Please return this portion with your payment. Write your account number on your check or money order made payable to Philadelphia Gas Works.



<b>Please Pay</b> <b>\$0.00</b>	<b>Due By</b> <b>03/01/2023</b>
<b>Account Number:</b>	
\$ <input type="text"/> , <input type="text"/> <input type="text"/> , <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/>	

*Thank you!*



**Philadelphia Gas Works**  
**P.O. Box 11700**  
**Newark, NJ 07101-4700**

**PHONE**

Gas Leaks & Emergencies (24/7)	(215) 235-1212
Residential Customer Service (8am to 6pm, M-F)	(215) 235-1000
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Credit & Collections (8am to 4:30pm, M-F)	(215) 235-1777
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**TERMS**

[How's my gas measured?](#)

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[Other Helpful Terms](#)

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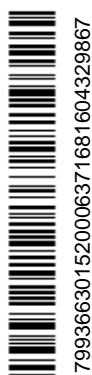
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**PAY WITH CASH** **POSTS SAME DAY AND FREE.**

**BRING THIS BARCODE TO ANY**



By accepting or using this barcode to make a payment, you agree to the full terms and conditions, available at [VanillaDirect.com/terms](#). After successful payment using this barcode, you may retrieve your full detailed e-receipt at [VanillaDirect.com/Pay/ereceipt](#).

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PHILADELPHIA GAS WORKS  
**GAS LEAK EMERGENCIES: (215) 235-1212**

Attachment CAUSE-PA-III.9 - PIPP Bills



Access Your Account Online [www.pgworks.com](http://www.pgworks.com)



Billing & General Information (215) 235-1000 (English & Español)

Residential Heat & Domestic

**BREAK DOWN OF CHARGES**

Supply Charges

Commodity Charge 26 Ccf @ \$0.82282	\$21.39
<b>Total Supply Charges</b>	<b>\$21.39</b>

Delivery Charges

Customer Charge @ \$14.90	\$14.90
Distribution Charge 26 Ccf @ \$0.94223	\$24.50
Distribution System Improvement Charge 7.5%	\$2.96
Gas Cost Adjustment @ \$0.01265	\$0.33
Weather Normalization Adjustment	\$2.12
<b>Total Delivery Charges</b>	<b>\$44.81</b>
CRP Discount	-\$2.84

<b>Total CRP Charges</b>	<b>\$63.36</b>
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**CRP INFORMATION**

CRP Agreement Status:	<b>ACTIVE</b>
CRP Agreement Type:	<b>6.00% OF INCOME</b>

**METER DETAILS**

Meter Number:	02233102
Read Cycle:	02
Read Dates:	01/03/2023 - 02/01/2023
Starting Read:	1736 Actual
Ending Read:	1762 Actual
Usage in CCF:	26.00
Conversion Factor:	1.038 Therm = 1 Ccf
Usage in Therms:	26.98
Next Meter Read:	03/03/2023

**SHOPPING INFORMATION BOX**

When shopping for Natural Gas with a Natural Gas Supplier, please provide the following:

PGW Account:	
Service Point ID:	
Rate Class:	General Service Residential
Rate Schedule:	GSR

*If you are already shopping know your contract expiration date.*

**ADJUSTMENT DETAIL**

Adjustments for SA ID #

LIHEAP CREDIT PAYMENT DISTRIBUTION TRANSFER	-\$63.36
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Adjustments for SA ID #

LIHEAP CREDIT PAYMENT DISTRIBUTION TRANSFER	\$63.36
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<b>Total Adjustments</b>	<b>\$0.00</b>
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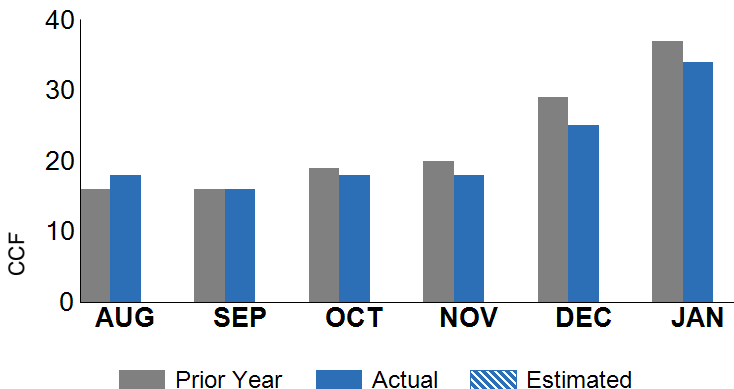
Thank you for participating in the Customer Responsibility Program (CRP).



Please Pay **\$0.00**  
Due By **01/31/2023**

Billing Date JAN 05, 2023  
Service From 12/01/2022 - 01/03/2023  
Past Due CRP Charges -\$532.23  
Current CRP Charges \$63.36

**ENERGY USAGE SNAPSHOT**



Average Daily Cost \$1.92 Current Month <i>Compared to \$1.49 prior year</i>	Average Daily Temperature 39° Current Month   <i>Compared to 46° prior year</i>  Usage Over Last Year 25 Ccf* Monthly Average   298 Ccf Total 1 CCF = approx. 1 hour of heat <i>*See terms on pg. 2</i>
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Please Pay <b>\$0.00</b>	Due By <b>01/31/2023</b>
Account Number: \$ [ ] , [ ] [ ] [ ] , [ ] [ ] [ ] [ ] . [ ] [ ] [ ] [ ]	

Thank you!



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PHILADELPHIA GAS WORKS  
**GAS LEAK EMERGENCIES: (215) 235-1212**

Attachment CAUSE-PA-III.9 - PIPP Bills



Access Your Account Online [www.pgworks.com](http://www.pgworks.com)



Billing & General Information (215) 235-1000 (English & Español)

Residential Heat & Domestic

**BREAK DOWN OF CHARGES**

Supply Charges

Commodity Charge 34 Ccf @ \$0.82282 \$27.98  
**Total Supply Charges \$27.98**

Delivery Charges

Customer Charge @ \$14.90 \$14.90  
 Distribution Charge 34 Ccf @ \$0.94223 \$32.04  
 Distribution System Improvement Charge 7.5% \$3.52  
 Gas Cost Adjustment @ \$0.01265 \$0.43  
 Weather Normalization Adjustment \$0.02  
**Total Delivery Charges \$50.91**

CRP Discount -\$15.53  
**Total CRP Charges \$63.36**

**CRP INFORMATION**

CRP Agreement Status: **ACTIVE**  
 CRP Agreement Type: **6.00% OF INCOME**

**METER DETAILS**

Meter Number: 02233102  
 Read Cycle: 02  
 Read Dates: 12/01/2022 - 01/03/2023  
 Starting Read: 1702 Actual  
 Ending Read: 1736 Actual  
 Usage in CCF: 34.00  
 Conversion Factor: 1.0385 Therm = 1 Ccf  
 Usage in Therms: 35.30  
 Next Meter Read: 02/01/2023

**SHOPPING INFORMATION BOX**

When shopping for Natural Gas with a Natural Gas Supplier, please provide the following:

PGW Account:  
 Service Point ID:  
 Rate Class: General Service Residential  
 Rate Schedule: GSR

*If you are already shopping know your contract expiration date.*

**ADJUSTMENT DETAIL**

Adjustments for SA ID #

LIHEAP CREDIT PAYMENT DISTRIBUTION TRANSFER -\$63.36

Adjustments for SA ID #

LIHEAP CREDIT PAYMENT DISTRIBUTION TRANSFER \$63.36

**Total Adjustments \$0.00**

**THINK YOU  
 SMELL GAS?**

It smells like rotten eggs



**Leave the area and call  
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Attachment CAUSE-PA-III-9 - PIPP Bills

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Your estimated gas price to Compare (PTC) is \$0.83648 per CCF. This estimated PTC was calculated by averaging PGW's quarterly PTC over 12 months and is subject to change every quarter. For a more accurate PTC please visit [pagasswitch.com](http://pagasswitch.com)

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Attachment CAUSE-PA-III-9 - PIPP Bills



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Billing & General Information (215) 235-1000 (English & Español)



**Hello**

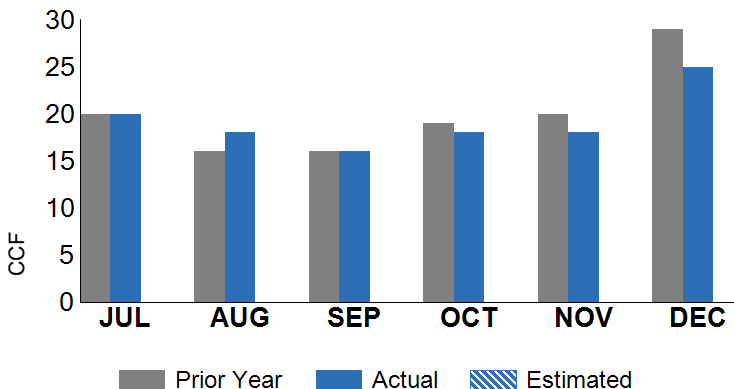
Thank you for participating in the Customer Responsibility Program (CRP).



Please Pay **\$0.00**  
Due By **12/29/2022**

Billing Date **DEC 03, 2022**  
Service From **11/01/2022 - 12/01/2022**  
Past Due CRP Charges **-\$595.59**  
Current CRP Charges **\$63.36**

**ENERGY USAGE SNAPSHOT**



Average Daily Cost **\$2.11**  
Current Month  
*Compared to \$1.40 prior year*

Average Daily Temperature **50°** Current Month | *Compared to 47° prior year*

Usage Over Last Year  
**25 Ccf\*** Monthly Average | **301 Ccf Total**

1 CCF = approx. 1 hour of heat  
*\*See terms on pg. 2*

**MESSAGE CENTER**

**Get Up To \$1,000 To Pay Your Heating Bill** – Apply for LIHEAP: [PGWorks.com/LIHEAP](http://PGWorks.com/LIHEAP)

**What's That Smell?** Natural gas has a rotten egg-like odor for easy detection. If you think you smell gas, leave the area, then call PGW's Emergency Line at 215-235-1212.

**Happy Holidays from our PGW family to yours.** If you or someone you know is in need of heating assistance, we're here to help. Visit us at [PGWorks.com/HELP](http://PGWorks.com/HELP) or call 215-235-1000, M-F, 8 a.m. – 6 p.m.

Pay Online [www.pgworks.com](http://www.pgworks.com)

Pay By Phone **(215) 235-1000** (English & Español)  
*\*a convenience fee of \$2.95 will be applied*

Pay With Cash (See Back For Details)

Please return this portion with your payment. Write your account number on your check or money order made payable to Philadelphia Gas Works.



Please Pay <b>\$0.00</b>	Due By <b>12/29/2022</b>
Account Number: \$ [ ] , [ ] [ ] , [ ] [ ] [ ] . [ ] [ ]	

*Thank you!*



Philadelphia Gas Works  
P.O. Box 11700  
Newark, NJ 07101-4700

00000184192080000000000000000000

**PHONE**

Gas Leaks & Emergencies (24/7)	(215) 235-1212
Residential Customer Service (8am to 6pm, M-F)	(215) 235-1000
Commercial Customer Service (8am to 4:30pm, M-F)	(215) 235-7077
Credit & Collections (8am to 4:30pm, M-F)	(215) 235-1777
Report Theft of Gas (24/7)	(215) 684-6383

**TERMS**

[How's my gas measured?](#)

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[Other Helpful Terms](#)

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◀ BRING THIS BARCODE TO ANY ▶



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PHILADELPHIA GAS WORKS  
**GAS LEAK EMERGENCIES: (215) 235-1212**

Attachment CAUSE-PA-III-9 - PIPP Bills



Access Your Account Online [www.pgworks.com](http://www.pgworks.com)



Billing & General Information (215) 235-1000 (English & Español)

Residential Heat & Domestic

**BREAK DOWN OF CHARGES**

Supply Charges

Commodity Charge 24.17 Ccf @ \$0.88633 \$21.42  
**Total Supply Charges \$21.42**

Delivery Charges

Customer Charge @ \$14.90 \$14.40  
 Distribution Charge 24.17 Ccf @ \$0.95721 \$23.13  
 Distribution System Improvement Charge 7.5% \$2.81  
 Gas Cost Adjustment @ \$0.01265 \$0.31  
 Weather Normalization Adjustment \$0.41  
**Total Delivery Charges \$41.06**

CRP Discount -\$1.23

Supply Charges

Commodity Charge 0.83 Ccf @ \$0.82282 \$0.69  
**Total Supply Charges \$0.69**

Delivery Charges

Customer Charge @ \$14.90 \$0.50  
 Distribution Charge 0.83 Ccf @ \$0.94223 \$0.79  
 Distribution System Improvement Charge 7.5% \$0.10  
 Gas Cost Adjustment @ \$0.01265 \$0.01  
 Weather Normalization Adjustment \$0.01  
**Total Delivery Charges \$1.41**

CRP Reverse Discount \$0.01

**Total CRP Charges \$63.36**

**ADJUSTMENT DETAIL**

Adjustments for SA ID #

LIHEAP CREDIT PAYMENT DISTRIBUTION TRANSFER -\$63.36

Adjustments for SA ID #

LIHEAP CREDIT PAYMENT DISTRIBUTION TRANSFER \$63.36

**Total Adjustments \$0.00**

**CRP INFORMATION**

CRP Agreement Status: **ACTIVE**  
 CRP Agreement Type: **6.00% OF INCOME**

**METER DETAILS**

Meter Number: 02233102  
 Read Cycle: 02  
 Read Dates: 11/01/2022 - 12/01/2022  
 Starting Read: 1677 Actual  
 Ending Read: 1702 Actual  
 Usage in CCF: 25.00  
 Conversion Factor: 1.034 Therm = 1 Ccf  
 Usage in Therms: 25.85  
 Next Meter Read: 01/03/2023

**SHOPPING INFORMATION BOX**

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 Service Point ID:  
 Rate Class: General Service Residential  
 Rate Schedule: GSR

*If you are already shopping know your contract expiration date.*



# THINK YOU SMELL GAS?

It smells  
like rotten  
eggs



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Our Emergency Hotline is available  
24 hours a day, 7 days a week.

#### PGW Messages

- ✉ December 1, 2022 Commodity Charge decreased to \$0.82282 per CCF. Distribution Charge decreased to \$0.94223. The changes will decrease the typical residential heating bill by about \$56.53 a year.
- ✉ Your estimated gas price to Compare (PTC) is \$0.83648 per CCF. This estimated PTC was calculated by averaging PGW's quarterly PTC over 12 months and is subject to change every quarter. For a more accurate PTC please visit [pagasswitch.com](http://pagasswitch.com)

Questions or complaints about your bill?  
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**PHONE**

Gas Leaks & Emergencies (24/7)	(215) 235-1212
Residential Customer Service (8am to 6pm, M-F)	(215) 235-1000
Commercial Customer Service (8am to 4:30pm, M-F)	(215) 235-7077
Credit & Collections (8am to 4:30pm, M-F)	(215) 235-1777
Report Theft of Gas (24/7)	(215) 684-6383

**TERMS**

[How's my gas measured?](#)

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**GAS LEAK EMERGENCIES: (215) 235-1212**

Attachment CAUSE-PA-III.9 - PIPP Bills



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Billing & General Information (215) 235-1000 (English & Español)

Residential Heat & Domestic

**BREAK DOWN OF CHARGES**

Supply Charges

Commodity Charge 18 Ccf @ \$0.88633	\$15.95
<b>Total Supply Charges</b>	<b>\$15.95</b>

Delivery Charges

Customer Charge @ \$14.90	\$14.90
Distribution Charge 18 Ccf @ \$0.95721	\$17.23
Distribution System Improvement Charge 7.5%	\$2.41
Gas Cost Adjustment @ \$0.01265	\$0.23
Weather Normalization Adjustment	\$0.01
<b>Total Delivery Charges</b>	<b>\$34.78</b>

CRP Reverse Discount	\$12.63
<b>Total CRP Charges</b>	<b>\$63.36</b>

**CRP INFORMATION**

CRP Agreement Status:	<b>ACTIVE</b>
CRP Agreement Type:	<b>6.00% OF INCOME</b>

**METER DETAILS**

Meter Number:	02233102
Read Cycle:	02
Read Dates:	10/04/2022 - 11/01/2022
Starting Read:	1659 Actual
Ending Read:	1677 Actual
Usage in CCF:	18.00
Conversion Factor:	1.0335 Therm = 1 Ccf
Usage in Therms:	18.60
Next Meter Read:	12/02/2022

**SHOPPING INFORMATION BOX**

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PGW Account:	
Service Point ID:	
Rate Class:	General Service Residential
Rate Schedule:	GSR

*If you are already shopping know your contract expiration date.*

**PAYMENTS RECEIVED**

11/02/2022 LIHEAP	\$300.00
<b>Total Payments</b>	<b>\$300.00</b>

**ADJUSTMENT DETAIL**

Adjustments for SA ID #

LIHEAP CREDIT PAYMENT DISTRIBUTION TRANSFER	-\$63.36
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Adjustments for SA ID #

LIHEAP CREDIT PAYMENT DISTRIBUTION TRANSFER	\$63.36
---	---------

<b>Total Adjustments</b>	<b>\$0.00</b>
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# THINK YOU SMELL GAS?

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Attachment CAUSE-PA-III-9 - PIPP Bills

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**PHONE**

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**BREAK DOWN OF CHARGES**

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Commodity Charge 18 Ccf @ \$0.88633 \$15.95

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Delivery Charges

Customer Charge @ \$14.90 \$14.90

Distribution Charge 18 Ccf @ \$0.95721 \$17.23

Distribution System Improvement Charge 7.5% \$2.41

Gas Cost Adjustment @ \$0.01265 \$0.23

**Total Delivery Charges \$34.77**

CRP Reverse Discount \$12.64

**Total CRP Charges \$63.36**

**CRP INFORMATION**

CRP Agreement Status: **ACTIVE**  
 CRP Agreement Type: **6.00% OF INCOME**

**METER DETAILS**

Meter Number: 02233102  
 Read Cycle: 02  
 Read Dates: 09/02/2022 - 10/04/2022  
 Starting Read: 1641 Actual  
 Ending Read: 1659 Actual  
 Usage in CCF: 18.00  
 Conversion Factor: 1.0326 Therm = 1 Ccf  
 Usage in Therms: 18.58  
 Next Meter Read: 11/01/2022

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 Service Point ID:  
 Rate Class: General Service Residential  
 Rate Schedule: GSR

*If you are already shopping know your contract expiration date.*

**ADJUSTMENT DETAIL**

Adjustments for SA ID #

LIHEAP CREDIT PAYMENT DISTRIBUTION TRANSFER -\$63.36

Adjustments for SA ID #

LIHEAP CREDIT PAYMENT DISTRIBUTION TRANSFER \$63.36

**Total Adjustments \$0.00**

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Residential Customer Service (8am to 6pm, M-F)	(215) 235-1000
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**TERMS**

[How's my gas measured?](#)

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[Other Helpful Terms](#)

**Budget Bill** – An optional billing method which averages estimated service costs over a 12-month period.

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PHILADELPHIA GAS WORKS  
**GAS LEAK EMERGENCIES: (215) 235-1212**

Attachment CAUSE-PA-III.9 - PIPP Bills



Access Your Account Online [www.pgworks.com](http://www.pgworks.com)



Billing & General Information (215) 235-1000 (English & Español)

Residential Heat & Domestic

**BREAK DOWN OF CHARGES**

Supply Charges

Commodity Charge 14.9 Ccf @ \$0.95315 \$14.20

**Total Supply Charges \$14.20**

Delivery Charges

Customer Charge @ \$14.90 \$13.87

Distribution Charge 14.9 Ccf @ \$0.9739 \$14.51

Distribution System Improvement Charge 7.5% \$2.13

Gas Cost Adjustment @ -\$0.01598 -\$0.24

**Total Delivery Charges \$30.27**

CRP Reverse Discount \$14.52

Supply Charges

Commodity Charge 1.1 Ccf @ \$0.88633 \$0.98

**Total Supply Charges \$0.98**

Delivery Charges

Customer Charge @ \$14.90 \$1.03

Distribution Charge 1.1 Ccf @ \$0.95721 \$1.06

Distribution System Improvement Charge 7.5% \$0.16

Gas Cost Adjustment @ \$0.01265 \$0.01

**Total Delivery Charges \$2.26**

CRP Reverse Discount \$1.13

**Total CRP Charges \$63.36**

**PAYMENTS RECEIVED**

08/17/2022 LIHEAP \$250.00

**Total Payments \$250.00**

**ADJUSTMENT DETAIL**

Adjustments for SA ID #

LIHEAP CREDIT PAYMENT DISTRIBUTION TRANSFER -\$63.36

Adjustments for SA ID #

LIHEAP CREDIT PAYMENT DISTRIBUTION TRANSFER \$63.36

**Total Adjustments \$0.00**

**CRP INFORMATION**

CRP Agreement Status: **ACTIVE**  
 CRP Agreement Type: **6.00% OF INCOME**

**METER DETAILS**

Meter Number: 02233102  
 Read Cycle: 02  
 Read Dates: 08/04/2022 - 09/02/2022  
 Starting Read: 1625 Actual  
 Ending Read: 1641 Actual  
 Usage in CCF: 16.00  
 Conversion Factor: 1.0332 Therm = 1 Ccf  
 Usage in Therms: 16.53  
 Next Meter Read: 10/04/2022

**SHOPPING INFORMATION BOX**

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 Service Point ID:  
 Rate Class: General Service Residential  
 Rate Schedule: GSR

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#### PGW Messages

- ✉ September 1, 2022 Commodity Charge decreased to \$0.88633 per CCF. Gas Cost Adjustment increased to \$0.01265. Distribution Charge decreased to \$0.95721. The changes will decrease the typical residential heating bill by about \$39.85 a year.
- ✉ Your estimated gas price to Compare (PTC) is \$0.89999 per CCF. This estimated PTC was calculated by averaging PGW's quarterly PTC over 12 months and is subject to change every quarter. For a more accurate PTC please visit [pagasswitch.com](http://pagasswitch.com)

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**PHONE**

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PHILADELPHIA GAS WORKS  
**GAS LEAK EMERGENCIES: (215) 235-1212**

Attachment CAUSE-PA-III.9 - PIPP Bills



Access Your Account Online [www.pgworks.com](http://www.pgworks.com)



Billing & General Information (215) 235-1000 (English & Español)

Residential Heat & Domestic

**BREAK DOWN OF CHARGES**

Supply Charges

Commodity Charge 18 Ccf @ \$0.95315 \$17.16  
**Total Supply Charges \$17.16**

Delivery Charges

Customer Charge @ \$14.90 \$14.90  
 Distribution Charge 18 Ccf @ \$0.9739 \$17.53  
 Distribution System Improvement Charge 7.5% \$2.43  
 Gas Cost Adjustment @ -\$0.01598 -\$0.29  
**Total Delivery Charges \$34.57**

**Total Billing Charges \$51.73**

**METER DETAILS**

Meter Number: 02233102  
 Read Cycle: 02  
 Read Dates: 07/06/2022 - 08/04/2022  
 Starting Read: 1607 Actual  
 Ending Read: 1625 Actual  
 Usage in CCF: 18.00  
 Conversion Factor: 1.0337 Therm = 1 Ccf  
 Usage in Therms: 18.60  
 Next Meter Read: 09/02/2022

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 Service Point ID:  
 Rate Class: General Service Residential  
 Rate Schedule: GSR

*If you are already shopping know your contract expiration date.*

**ADJUSTMENT DETAIL**

**Adjustments for SA ID #**

LIHEAP CREDIT PAYMENT DISTRIBUTION TRANSFER -\$287.40  
 WNA ADJ -\$1.29  
 CRP Discount Cancelled \$1.29

**Adjustments for SA ID #**

LIHEAP CREDIT PAYMENT DISTRIBUTION TRANSFER \$287.40  
**Total Adjustments \$0.00**

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It smells like rotten eggs



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Attachment CAUSE-PA-III-9 - PIPP Bills

**PGW Messages**

-  This bill provides a Weather Normalization Adjustment(WNA) credit for May 2022. If you are enrolled in PGW's CRP, the WNA credit was reversed to balance the account.
-  Your estimated gas price to Compare (PTC) is \$0.93810 per CCF. This estimated PTC was calculated by averaging PGW's quarterly PTC over 12 months and is subject to change every quarter. For a more accurate PTC please visit [pagasswitch.com](http://pagasswitch.com)

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Residential Heat & Domestic

**BREAK DOWN OF CHARGES**

Supply Charges

Commodity Charge 20 Ccf @ \$0.95315 \$19.06

**Total Supply Charges \$19.06**

Delivery Charges

Customer Charge @ \$14.90 \$14.90

Distribution Charge 20 Ccf @ \$0.9739 \$19.48

Distribution System Improvement Charge 7.5% \$2.58

Gas Cost Adjustment @ -\$0.01598 -\$0.32

**Total Delivery Charges \$36.64**

CRP Discount -\$9.44

**Total CRP Charges \$46.26**

**CRP INFORMATION**

CRP Agreement Status: **ACTIVE**  
 CRP Agreement Type: **6.00% OF INCOME**

**METER DETAILS**

Meter Number: 02233102  
 Read Cycle: 02  
 Read Dates: 06/06/2022 - 07/06/2022  
 Starting Read: 1587 Actual  
 Ending Read: 1607 Actual  
 Usage in CCF: 20.00  
 Conversion Factor: 1.0328 Therm = 1 Ccf  
 Usage in Therms: 20.65  
 Next Meter Read: 08/04/2022

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**ADJUSTMENT DETAIL**

Adjustments for SA ID #

LIHEAP CREDIT PAYMENT DISTRIBUTION TRANSFER -\$46.26

Adjustments for SA ID #

LIHEAP CREDIT PAYMENT DISTRIBUTION TRANSFER \$46.26

**Total Adjustments \$0.00**

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Billing & General Information (215) 235-1000 (English & Español)

Residential Heat & Domestic

**BREAK DOWN OF CHARGES**

Supply Charges

Commodity Charge 18.69 Ccf @ \$0.60364 \$11.28  
**Total Supply Charges \$11.28**

Delivery Charges

Customer Charge @ \$14.90 \$12.11  
 Distribution Charge 18.69 Ccf @ \$0.92843 \$17.35  
 Distribution System Improvement Charge 7.5% \$2.21  
 Gas Cost Adjustment @ -\$0.01809 -\$0.34  
 Weather Normalization Adjustment \$1.29  
**Total Delivery Charges \$32.62**  
 CRP Discount -\$6.31

Supply Charges

Commodity Charge 4.31 Ccf @ \$0.95315 \$4.11  
**Total Supply Charges \$4.11**

Delivery Charges

Customer Charge @ \$14.90 \$2.79  
 Distribution Charge 4.31 Ccf @ \$0.9739 \$4.20  
 Distribution System Improvement Charge 7.5% \$0.52  
 Gas Cost Adjustment @ -\$0.01598 -\$0.07  
**Total Delivery Charges \$7.44**  
 CRP Discount -\$2.88

**Total CRP Charges \$46.26**

**ADJUSTMENT DETAIL**

Adjustments for SA ID #

LIHEAP CREDIT PAYMENT DISTRIBUTION TRANSFER -\$46.26

Adjustments for SA ID #

LIHEAP CREDIT PAYMENT DISTRIBUTION TRANSFER \$46.26

**Total Adjustments \$0.00**

**CRP INFORMATION**

CRP Agreement Status: **ACTIVE**  
 CRP Agreement Type: **6.00% OF INCOME**

**METER DETAILS**

Meter Number: 02233102  
 Read Cycle: 02  
 Read Dates: 05/05/2022 - 06/06/2022  
 Starting Read: 1564 Actual  
 Ending Read: 1587 Actual  
 Usage in CCF: 23.00  
 Conversion Factor: 1.0315 Therm = 1 Ccf  
 Usage in Therms: 23.72  
 Next Meter Read: 07/06/2022

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 Rate Schedule: GSR

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#### PGW Messages

- ✉ June 1, 2022 Commodity Charge increased to \$0.95315 per CCF. Gas Cost Adjustment increased to -\$0.01598. Distribution Charge increased to \$0.97390. The changes will increase the typical residential heating bill by about \$284.36 a year.
- ✉ Your estimated gas price to Compare (PTC) is \$0.93810 per CCF. This estimated PTC was calculated by averaging PGW's quarterly PTC over 12 months and is subject to change every quarter. For a more accurate PTC please visit [pagasswitch.com](http://pagasswitch.com)

Questions or complaints about your bill?  
Please call us before the due date at (215) 235-1000, or write to: PGW P.O. Box 3500, Phila., PA 19122-0050



**PHONE**

Gas Leaks & Emergencies (24/7) (215) 235-1212  
 Residential Customer Service (8am to 6pm, M-F) (215) 235-1000  
 Commercial Customer Service (8am to 4:30pm, M-F) (215) 235-7077  
 Credit & Collections (8am to 4:30pm, M-F) (215) 235-1777  
 Report Theft of Gas (24/7) (215) 684-6383

**Service Centers (9AM TO 5PM)**

	M	T	W	Th	F
Germantown 212 W. Cheltenham Ave.		✓	✓		✓
S. Philadelphia 1601 S. Broad St.	✓		✓	✓	
Frankford 4410 Frankford Ave.		✓		✓	✓
N. Philadelphia 1337 W. Erie Ave.	✓		✓	✓	
W. Philadelphia 5230 Chestnut St.	✓	✓	✓		✓

**TERMS**

How's my gas measured?

**CCF** - 100 cubic feet of gas. This is a measure of gas usage. One CCF is about the amount of gas used to run an average-sized house heater nonstop for one hour.

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What are my charges?

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Other Helpful Terms

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**Natural Gas Distribution Company (NGDC)** – A state regulated natural gas utility which owns the gas lines and equipment necessary to deliver natural gas to the consumer. PGW is a NGDC.

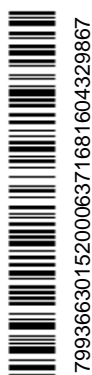
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**RIGHTS & OBLIGATIONS**

A summary of your rights and obligations as a PGW customer will be made available upon request. A rate schedule and an explanation of how to verify the accuracy of a bill and an explanation of the various charges will be made available upon request.

**SUPPLIER INFORMATION**

If you have selected a Natural Gas Supplier other than PGW, the Natural Gas Supplier is responsible for the billing of Supplier Charges. PGW will bill for gas delivery according to the tariff for your rate class. Commodity prices and charges are set by the Natural Gas Supplier you have chosen. The Public Utility Commission regulates the distribution prices and services.



PHILADELPHIA GAS WORKS  
**GAS LEAK EMERGENCIES: (215) 235-1212**

Attachment CAUSE-PA-III.9 - PIPP Bills



Access Your Account Online [www.pgworks.com](http://www.pgworks.com)



Billing & General Information (215) 235-1000 (English & Español)

Residential Heat & Domestic

**BREAK DOWN OF CHARGES**

Supply Charges

Commodity Charge 24 Ccf @ \$0.60364 \$14.49

**Total Supply Charges \$14.49**

Delivery Charges

Customer Charge @ \$14.90 \$14.90

Distribution Charge 24 Ccf @ \$0.92843 \$22.28

Distribution System Improvement Charge 7.5% \$2.79

Gas Cost Adjustment @ -\$0.01809 -\$0.43

Weather Normalization Adjustment -\$0.22

**Total Delivery Charges \$39.32**

CRP Discount -\$7.55

**Total CRP Charges \$46.26**

**CRP INFORMATION**

CRP Agreement Status: **ACTIVE**  
 CRP Agreement Type: **6.00% OF INCOME**

**METER DETAILS**

Meter Number: 02233102  
 Read Cycle: 02  
 Read Dates: 04/06/2022 - 05/05/2022  
 Starting Read: 1540 Actual  
 Ending Read: 1564 Actual  
 Usage in CCF: 24.00  
 Conversion Factor: 1.0329 Therm = 1 Ccf  
 Usage in Therms: 24.78  
 Next Meter Read: 06/06/2022

**SHOPPING INFORMATION BOX**

When shopping for Natural Gas with a Natural Gas Supplier, please provide the following:

PGW Account:  
 Service Point ID:  
 Rate Class: General Service Residential  
 Rate Schedule: GSR

*If you are already shopping know your contract expiration date.*

**PGW Messages**



Your estimated gas price to Compare (PTC) is \$0.58637 per CCF. This estimated PTC was calculated by averaging PGW's quarterly PTC over 12 months and is subject to change every quarter. For a more accurate PTC please visit [pagasswitch.com](http://pagasswitch.com)

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# Attachment CAUSE-PA-III-9 - Average Bills



PHILADELPHIA GAS WORKS  
**GAS LEAK EMERGENCIES: (215) 235-1212**

Attachment CAUSE-PA-III-9 Avg. Bills



Access Your Account Online [www.pgworks.com](http://www.pgworks.com)



Billing & General Information (215) 235-1000 (English & Español)



**Hello**

Thank you for participating in the Customer Responsibility Program (CRP).

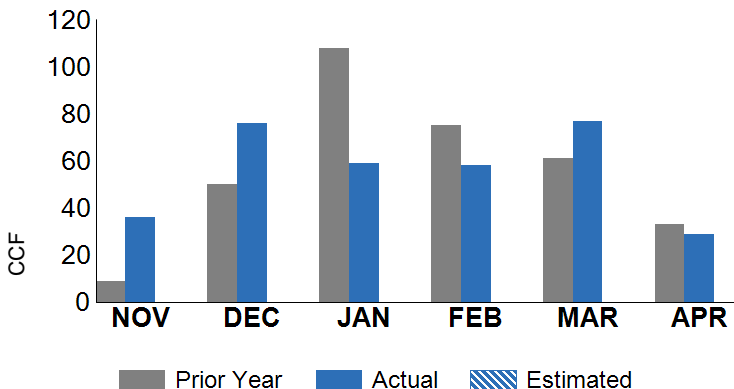
**Account Number:**



Please Pay **\$164.48**  
 Due By **05/23/2023**

Billing Date APR 29, 2023  
 Service From 03/28/2023 - 04/27/2023  
 Past Due CRP Charges \$112.48  
 Current CRP Charges \$52.00

**ENERGY USAGE SNAPSHOT**



Average Daily Cost	Average Daily Temperature
\$1.73	58° Current Month   Compared to 53° prior year
Current Month	Usage Over Last Year
Compared to \$1.63 prior year	31 Ccf* Monthly Average   373 Ccf Total
	1 CCF = approx. 1 hour of heat
	*See terms on pg. 2

**MESSAGE CENTER**

**Call 811 Before You Dig:** Have a project that requires digging? Call 8-1-1 before you start so underground utility lines can be marked. Remember, it's the law and FREE!

**Don't Miss Out on LIHEAP:** Get up to \$1,000 to pay for your heating bill. Apply by April 28: [PGWorks.com/LIHEAP](http://PGWorks.com/LIHEAP)

Do you or someone you know need assistance affording natural gas service? **We're here to help. Call us at 215-235-1000 or visit [PGWorks.com/HELP](http://PGWorks.com/HELP)**



Pay Online [www.pgworks.com](http://www.pgworks.com)



Pay By Phone (215) 235-1000 (English & Español)  
 \*a convenience fee of \$2.95 will be applied



Pay With Cash (See Back For Details)



Please return this portion with your payment. Write your account number on your check or money order made payable to Philadelphia Gas Works.

Please Pay <b>\$164.48</b>	Due By <b>05/23/2023</b>
Account Number:	
\$ <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	

Thank you!



Philadelphia Gas Works  
 P.O. Box 11700  
 Newark, NJ 07101-4700



 **PHONE**

Gas Leaks & Emergencies (24/7)	(215) 235-1212
Residential Customer Service (8am to 6pm, M-F)	(215) 235-1000
Commercial Customer Service (8am to 4:30pm, M-F)	(215) 235-7077
Credit & Collections (8am to 4:30pm, M-F)	(215) 235-1777
Report Theft of Gas (24/7)	(215) 684-6383

**TERMS**

[How's my gas measured?](#)

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PHILADELPHIA GAS WORKS  
**GAS LEAK EMERGENCIES: (215) 235-1212**

Attachment CAUSE-PA-III-9 Avg. Bills



Access Your Account Online [www.pgworks.com](http://www.pgworks.com)



Billing & General Information (215) 235-1000 (English & Español)

SA ID:

Residential Heat & Domestic

**BREAK DOWN OF CHARGES**

**Supply Charges**

Commodity Charge 29 Ccf @ \$0.51603 \$14.96

**Total Supply Charges \$14.96**

**Delivery Charges**

Customer Charge @ \$14.90 \$14.90

Distribution Charge 29 Ccf @ \$0.92321 \$26.77

Distribution System Improvement Charge 7.5% \$3.13

Gas Cost Adjustment @ \$0.00338 \$0.10

Weather Normalization Adjustment \$5.49

**Total Delivery Charges \$50.39**

CRP Discount -\$13.35

**Total CRP Charges \$52.00**

**CRP INFORMATION**

CRP Agreement Status: **DEFAULTED**  
 CRP Agreement Type: **CRP AVG**

**METER DETAILS**

Meter Number:  
 Read Cycle: 19  
 Read Dates: 03/28/2023 - 04/27/2023  
 Starting Read: 2167 Actual  
 Ending Read: 2196 Actual  
 Usage in CCF: 29.00  
 Conversion Factor: 1.0332 Therm = 1 Ccf  
 Usage in Therms: 29.96  
 Next Meter Read: 05/26/2023

**SHOPPING INFORMATION BOX**

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PGW Account:  
 Service Point ID:  
 Rate Class: General Service Residential  
 Rate Schedule: GSR

*If you are already shopping know your contract expiration date.*

**ACCOUNT BALANCE INFORMATION**

Your account balance is \$524.53, which will become due if you fail to meet the terms of your agreement.

THINK YOU SMELL GAS?

Leave the area and call (215) 235-1212.

Our Emergency Hotline is available 24 hours a day, 7 days a week.

**PGW Messages**

✉ Your estimated gas price to Compare (PTC) is \$0.52066 per CCF. This estimated PTC was calculated by averaging PGW's quarterly PTC over 12 months and is subject to change every quarter. For a more accurate PTC please visit [pagasswitch.com](http://pagasswitch.com)

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PHILADELPHIA GAS WORKS  
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Attachment CAUSE-PA-III-9 Avg. Bills



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Billing & General Information (215) 235-1000 (English & Español)



**Hello**

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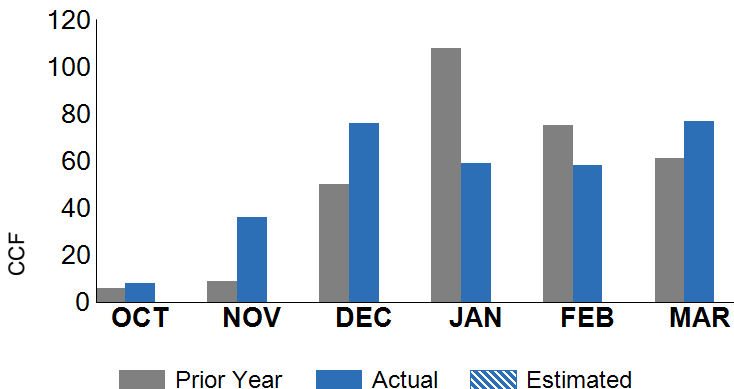
**Account Number:**



Please Pay **\$112.48**  
Due By **04/25/2023**

Billing Date **MAR 30, 2023**  
Service From **02/24/2023 - 03/28/2023**  
Past Due CRP Charges **\$60.48**  
Current CRP Charges **\$52.00**

**ENERGY USAGE SNAPSHOT**



Average Daily Cost	Average Daily Temperature
\$1.63	45° Current Month   Compared to 47° prior year
Current Month	Usage Over Last Year
Compared to \$1.79 prior year	31 Ccf* Monthly Average   377 Ccf Total
	1 CCF = approx. 1 hour of heat
	*See terms on pg. 2

**MESSAGE CENTER**

**What's That Smell?** Natural gas has a rotten egg-like odor for easy detection. If you think you smell gas, leave the area immediately, then call PGW's Emergency Hotline at 215-235-1212.

**Free Money from LIHEAP:** PGW customers may be eligible for up to \$1,000 from LIHEAP (Low Income Home Energy Assistance Program) to pay for their heating bills. The grant is available to renters & homeowners.  
**Apply now: [PGWorks.com/LIHEAP](http://PGWorks.com/LIHEAP)**

**Cut Your Bill With CRP:** The Customer Responsibility Program helps low-income customers keep gas service on. **Apply: [PGWorks.com/HELP](http://PGWorks.com/HELP)**



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\$ <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	

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Newark, NJ 07101-4700

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PHILADELPHIA GAS WORKS  
**GAS LEAK EMERGENCIES: (215) 235-1212**

Attachment CAUSE-PA-III-9 Avg. Bills



Access Your Account Online [www.pgworks.com](http://www.pgworks.com)



Billing & General Information (215) 235-1000 (English & Español)

| SA ID:

Residential Heat & Domestic

**BREAK DOWN OF CHARGES**

Supply Charges

Commodity Charge 9.63 Ccf @ \$0.82282 \$7.92  
**Total Supply Charges \$7.92**

Delivery Charges

Customer Charge @ \$14.90 \$1.86  
 Distribution Charge 9.63 Ccf @ \$0.94223 \$9.07  
 Distribution System Improvement Charge 7.5% \$0.82  
 Gas Cost Adjustment @ \$0.01265 \$0.12  
 Weather Normalization Adjustment \$0.43  
**Total Delivery Charges \$12.30**  
 CRP Discount -\$13.72

Supply Charges

Commodity Charge 67.38 Ccf @ \$0.51603 \$34.76  
**Total Supply Charges \$34.76**

Delivery Charges

Customer Charge @ \$14.90 \$13.04  
 Distribution Charge 67.38 Ccf @ \$0.92321 \$62.20  
 Distribution System Improvement Charge 7.5% \$5.64  
 Gas Cost Adjustment @ \$0.00338 \$0.23  
 Weather Normalization Adjustment \$2.99  
**Total Delivery Charges \$84.10**  
 CRP Discount -\$73.36

**Total CRP Charges \$52.00**

**CRP INFORMATION**

CRP Agreement Status: **ACTIVE**  
 CRP Agreement Type: **CRP AVG**

**METER DETAILS**

Meter Number:  
 Read Cycle: 19  
 Read Dates: 02/24/2023 - 03/28/2023  
 Starting Read: 2090 Actual  
 Ending Read: 2167 Actual  
 Usage in CCF: 77.00  
 Conversion Factor: 1.0366 Therm = 1 Ccf  
 Usage in Therms: 79.81  
 Next Meter Read: 04/27/2023

**SHOPPING INFORMATION BOX**

When shopping for Natural Gas with a Natural Gas Supplier, please provide the following:

PGW Account:  
 Service Point ID:  
 Rate Class: General Service Residential  
 Rate Schedule: GSR

*If you are already shopping know your contract expiration date.*



**ACCOUNT BALANCE INFORMATION**

Your account balance is \$472.53, which will become due if you fail to meet the terms of your agreement.

**THINK YOU SMELL GAS?** It smells like rotten eggs. Leave the area and call (215) 235-1212. Our Emergency Hotline is available 24 hours a day, 7 days a week.

Attachment CAUSE-PA-III-9 Avg. Bills

**PGW Messages**

-  March 1, 2023 Commodity Charge decreased to 0.51603 per CCF. Gas Cost Adjustment decreased to \$0.00338. Distribution Charge decreased to \$0.92321. The changes will decrease the typical residential heating bill by about \$238.92 a year.
-  Your estimated gas price to Compare (PTC) is \$0.52066 per CCF. This estimated PTC was calculated by averaging PGW's quarterly PTC over 12 months and is subject to change every quarter. For a more accurate PTC please visit [pagasswitch.com](http://pagasswitch.com)

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GAS LEAK EMERGENCIES: (215) 235-1212

Attachment CAUSE-PA-III-9 Avg. Bills



Access Your Account Online [www.pgworks.com](http://www.pgworks.com)



Billing & General Information (215) 235-1000 (English & Español)



**Hello**

Thank you for participating in the Customer Responsibility Program (CRP).

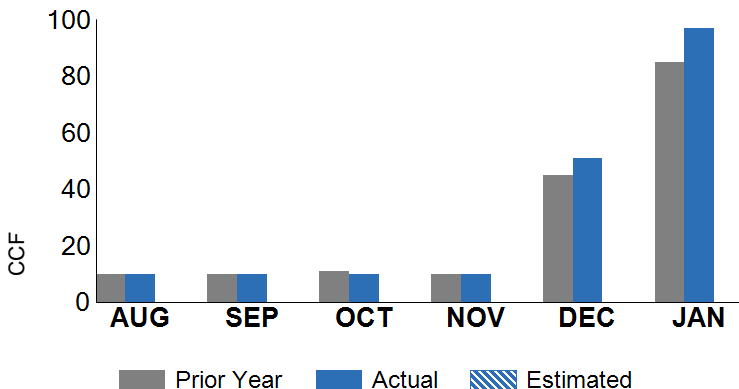
**Account Number:**



Please Pay **\$122.00**  
Due By **02/06/2023**

Billing Date **JAN 11, 2023**  
Service From **12/07/2022 - 01/09/2023**  
Past Due CRP Charges **\$61.00**  
Current CRP Charges **\$61.00**

**ENERGY USAGE SNAPSHOT**



Average Daily Cost \$1.85 Current Month Compared to \$1.85 prior year	Average Daily Temperature 40° Current Month   Compared to 43° prior year Usage Over Last Year 36 Ccf* Monthly Average   434 Ccf Total 1 CCF = approx. 1 hour of heat <i>*See terms on pg. 2</i>
--	--

**MESSAGE CENTER**

**ATTENTION:** Any customer who submitted a Customer Responsibility Program (CRP) application or other correspondence to PGW Mailbox: PO Box 3529, Philadelphia that was returned as UNDELIVERABLE by the US Post Office – please resend via mail, apply online for CRP [[pgworks.com/crp](http://pgworks.com/crp)], or visit a Neighborhood Energy Center to apply in person.

**What's That Smell?** Natural gas has a rotten egg-like odor for easy detection. If you think you smell gas, leave the area immediately, then call PGW's Emergency Hotline at 215-235-1212.



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Pay By Phone (215) 235-1000 (English & Español)  
*\*a convenience fee of \$2.95 will be applied*



Pay With Cash (See Back For Details)



Please return this portion with your payment.  
Write your account number on your check or money order made payable to Philadelphia Gas Works.

Please Pay <b>\$122.00</b>	Due By <b>02/06/2023</b>
Account Number:	
\$ <input type="text"/> , <input type="text"/> <input type="text"/> , <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/>	

*Thank you!*



Philadelphia Gas Works  
P.O. Box 11700  
Newark, NJ 07101-4700

**PHONE**

Gas Leaks & Emergencies (24/7)	(215) 235-1212
Residential Customer Service (8am to 6pm, M-F)	(215) 235-1000
Commercial Customer Service (8am to 4:30pm, M-F)	(215) 235-7077
Credit & Collections (8am to 4:30pm, M-F)	(215) 235-1777
Report Theft of Gas (24/7)	(215) 684-6383

**TERMS**

[How's my gas measured?](#)

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[Other Helpful Terms](#)

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**BRING THIS BARCODE TO ANY**



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**RIGHTS & OBLIGATIONS**

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**SUPPLIER INFORMATION**

If you have selected a Natural Gas Supplier other than PGW, the natural gas supplier is responsible for determining the rates billed for supplier charges. PGW will bill for gas delivery according to the tariff for your rate class. Commodity prices and charges are set by the Natural Gas Supplier you have chosen. The Public Utility Commission regulates the distribution prices and services.





PHILADELPHIA GAS WORKS  
**GAS LEAK EMERGENCIES: (215) 235-1212**

Attachment CAUSE-PA-III-9 Avg. Bills



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Billing & General Information (215) 235-1000 (English & Español)

**BREAK DOWN OF CHARGES**

**Supply Charges**

Commodity Charge 97 Ccf @ \$0.82282 \$79.81

**Total Supply Charges \$79.81**

**Delivery Charges**

Customer Charge @ \$14.90 \$14.90

Distribution Charge 97 Ccf @ \$0.94223 \$91.40

Distribution System Improvement Charge 7.5% \$7.97

Gas Cost Adjustment @ \$0.01265 \$1.23

Weather Normalization Adjustment \$4.11

**Total Delivery Charges \$119.61**

CRP Discount -\$138.42

**Total CRP Charges \$61.00**

**CRP INFORMATION**

CRP Agreement Status: **ACTIVE**  
 CRP Agreement Type: **CRP AVG**

**METER DETAILS**

Meter Number: 01879665  
 Read Cycle: 06  
 Read Dates: 12/07/2022 - 01/09/2023  
 Starting Read: 3559 Actual  
 Ending Read: 3656 Actual  
 Usage in CCF: 97.00  
 Conversion Factor: 1.0388 Therm = 1 Ccf  
 Usage in Therms: 100.76  
 Next Meter Read: 02/07/2023

**SHOPPING INFORMATION BOX**

When shopping for Natural Gas with a Natural Gas Supplier, please provide the following:

PGW Account: 0030993934  
 Service Point ID: 9972149127  
 Rate Class: General Service Residential  
 Rate Schedule: GSR

*If you are already shopping know your contract expiration date.*

THINK YOU SMELL GAS?



It smells like rotten eggs

Leave the area and call (215) 235-1212.

Our Emergency Hotline is available 24 hours a day, 7 days a week.

**PGW Messages**

Your estimated gas price to Compare (PTC) is \$0.83648 per CCF. This estimated PTC was calculated by averaging PGW's quarterly PTC over 12 months and is subject to change every quarter. For a more accurate PTC please visit [pagasswitch.com](http://pagasswitch.com)

Questions or complaints about your bill?  
 Please call us before the due date at (215) 235-1000, or write to: PGW P.O. Box 3500, Phila., PA 19122-0050



PHILADELPHIA GAS WORKS  
GAS LEAK EMERGENCIES: (215) 235-1212

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Billing & General Information (215) 235-1000 (English & Español)



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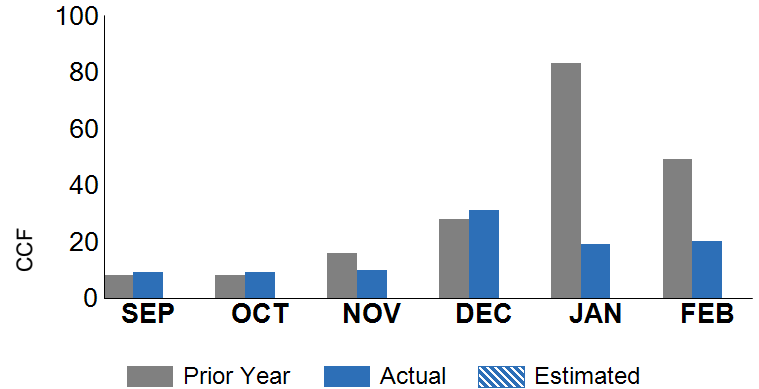
**Account Number: 0026231382**



Please Pay **\$0.00**  
Due By **03/21/2023**

Billing Date FEB 25, 2023  
Service From 01/26/2023 - 02/23/2023  
Past Due CRP Charges -\$1,056.00  
Current CRP Charges \$50.00

**ENERGY USAGE SNAPSHOT**



Average Daily Cost  
\$1.79  
Current Month  
Compared to \$1.72 prior year

Average Daily Temperature  
43° Current Month | Compared to 38° prior year  
Usage Over Last Year  
14 Ccf\* Monthly Average | 168 Ccf Total  
1 CCF = approx. 1 hour of heat  
*\*See terms on pg. 2*

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Pay With Cash (See Back For Details)

Please return this portion with your payment. Write your account number on your check or money order made payable to Philadelphia Gas Works.



<b>Please Pay</b> <b>\$0.00</b>	<b>Due By</b> <b>03/21/2023</b>
<b>Account Number: 0026231382</b>	
\$ <input type="text"/> , <input type="text"/> , <input type="text"/> . <input type="text"/> <input type="text"/>	

*Thank you!*



Philadelphia Gas Works  
P.O. Box 11700  
Newark, NJ 07101-4700

000026231382800000000000000002



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Billing & General Information (215) 235-1000 (English & Español)

**Residential Heat & Domestic BREAK**

**DOWN OF CHARGES**

**Supply Charges**

Commodity Charge 20 Ccf @ \$0.82282 \$16.46  
**Total Supply Charges \$16.46**

**Delivery Charges**

Customer Charge @ \$14.90 \$14.90  
 Distribution Charge 20 Ccf @ \$0.94223 \$18.84  
 Distribution System Improvement Charge 7.5% \$2.53  
 Gas Cost Adjustment @ \$0.01265 \$0.25  
 Weather Normalization Adjustment \$3.13  
**Total Delivery Charges \$39.65**  
 CRP Discount -\$6.11

**Total CRP Charges \$50.00**

**CRP INFORMATION**

CRP Agreement Status: **ACTIVE**  
 CRP Agreement Type: **CRP AVG**

**METER DETAILS**

Meter Number: 02270695  
 Read Cycle: 18  
 Read Dates: 01/26/2023 - 02/23/2023  
 Starting Read: 784 Actual  
 Ending Read: 804 Actual  
 Usage in CCF: 20.00  
 Conversion Factor: 1.0371 Therm = 1 Ccf  
 Usage in Therms: 20.74  
 Next Meter Read: 03/27/2023

**SHOPPING INFORMATION BOX**

When shopping for Natural Gas with a Natural Gas Supplier, please provide the following:

PGW Account: 0026231382  
 Service Point ID: 9972523207  
 Rate Class: General Service Residential  
 Rate Schedule: GSR

*If you are already shopping know your contract expiration date.*

**ADJUSTMENT DETAIL**

**Adjustments for SA ID # 8251629887**

LIHEAP CREDIT PAYMENT DISTRIBUTION TRANSFER -\$50.00

**Adjustments for SA ID # 5278315422**

LIHEAP CREDIT PAYMENT DISTRIBUTION TRANSFER \$50.00

**Total Adjustments \$0.00**

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Billing & General Information (215) 235-1000 (English & Español)

| SA ID:

Residential Heat & Domestic

**BREAK DOWN OF CHARGES**

Supply Charges

Commodity Charge 5.07 Ccf @ \$0.88633 \$4.49  
**Total Supply Charges \$4.49**

Delivery Charges

Customer Charge @ \$14.90 \$0.99  
 Distribution Charge 5.07 Ccf @ \$0.95721 \$4.85  
 Distribution System Improvement Charge 7.5% \$0.44  
 Gas Cost Adjustment @ \$0.01265 \$0.06  
 Weather Normalization Adjustment -\$0.23  
**Total Delivery Charges \$6.11**  
 CRP Discount -\$7.13

Supply Charges

Commodity Charge 70.93 Ccf @ \$0.82282 \$58.36  
**Total Supply Charges \$58.36**

Delivery Charges

Customer Charge @ \$14.90 \$13.91  
 Distribution Charge 70.93 Ccf @ \$0.94223 \$66.84  
 Distribution System Improvement Charge 7.5% \$6.06  
 Gas Cost Adjustment @ \$0.01265 \$0.90  
 Weather Normalization Adjustment -\$3.21  
**Total Delivery Charges \$84.50**  
 CRP Discount -\$94.33

**Total CRP Charges \$52.00**

**ADJUSTMENT DETAIL**

Adjustments for SA ID #

LIHEAP CREDIT PAYMENT DISTRIBUTION TRANSFER -\$21.52  
 LIHEAP CREDIT PAYMENT DISTRIBUTION TRANSFER -\$30.48

Adjustments for SA ID #

CRP Forgiveness Amt -\$26.73

Adjustments for SA ID #

LIHEAP CREDIT PAYMENT DISTRIBUTION TRANSFER \$21.52  
 LIHEAP CREDIT PAYMENT DISTRIBUTION TRANSFER \$30.48  
**Total Adjustments -\$26.73**

**ACCOUNT BALANCE INFORMATION**

Your account balance is \$343.26, which will become due if you fail to meet the terms of your agreement.

**CRP INFORMATION**

CRP Agreement Status: **ACTIVE**  
 CRP Agreement Type: **CRP AVG**

**METER DETAILS**

Meter Number: 01947271  
 Read Cycle: 19  
 Read Dates: 11/28/2022 - 12/28/2022  
 Starting Read: 1897 Actual  
 Ending Read: 1973 Actual  
 Usage in CCF: 76.00  
 Conversion Factor: 1.0382 Therm = 1 Ccf  
 Usage in Therms: 78.90  
 Next Meter Read: 01/27/2023

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 Service Point ID:  
 Rate Class: General Service Residential  
 Rate Schedule: GSR

*If you are already shopping know your contract expiration date.*



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It smells  
like rotten  
eggs



**Leave the area and call  
(215) 235-1212.**

Our Emergency Hotline is available  
24 hours a day, 7 days a week.

#### PGW Messages

- ✉ December 1, 2022 Commodity Charge decreased to \$0.82282 per CCF. Distribution Charge decreased to \$0.94223. The changes will decrease the typical residential heating bill by about \$56.53 a year.
- ✉ Your estimated gas price to Compare (PTC) is \$0.83648 per CCF. This estimated PTC was calculated by averaging PGW's quarterly PTC over 12 months and is subject to change every quarter. For a more accurate PTC please visit [pagasswitch.com](http://pagasswitch.com)

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GAS LEAK EMERGENCIES: (215) 235-1212

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Billing & General Information (215) 235-1000 (English & Español)



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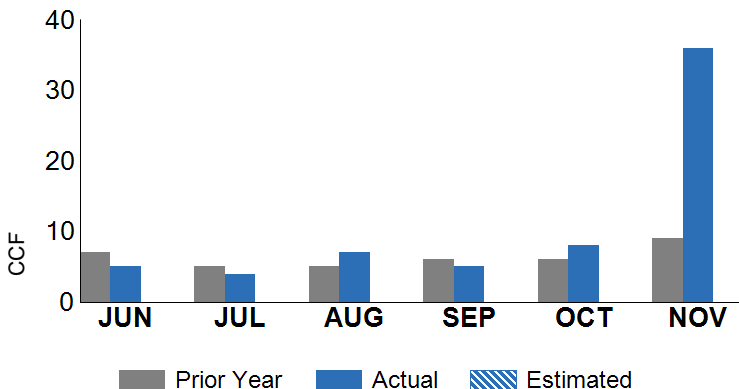
**Account Number:**



Please Pay **\$0.00**  
Due By **12/27/2022**

Billing Date NOV 30, 2022  
Service From 10/27/2022 - 11/28/2022  
Past Due CRP Charges -\$147.52  
Current CRP Charges \$52.00

**ENERGY USAGE SNAPSHOT**



Average Daily Cost \$1.63 Current Month Compared to \$1.58 prior year	Average Daily Temperature 52° Current Month   Compared to 49° prior year Usage Over Last Year 33 Ccf* Monthly Average   401 Ccf Total 1 CCF = approx. 1 hour of heat <i>*See terms on pg. 2</i>
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**MESSAGE CENTER**

**Get Up To \$1,000 To Pay Your Heating Bill – Apply for LIHEAP:** [PGWorks.com/LIHEAP](http://PGWorks.com/LIHEAP)

**Access PGW My Account to obtain efficiency information and historic billing data on your PGW account. Visit [PGWorks.com](http://PGWorks.com)**

**Read Our Latest Message to Customers: PGW's Commitment to Ratepayer Equity at [PGWorks.com](http://PGWorks.com)**



Pay Online [www.pgworks.com](http://www.pgworks.com)



Pay By Phone (215) 235-1000 (English & Español)  
*\*a convenience fee of \$2.95 will be applied*



Pay With Cash (See Back For Details)

Please return this portion with your payment. Write your account number on your check or money order made payable to Philadelphia Gas Works.



<b>Please Pay</b> <b>\$0.00</b>	<b>Due By</b> <b>12/27/2022</b>
<b>Account Number:</b>	
\$ <input type="text"/> , <input type="text"/> <input type="text"/> <input type="text"/> , <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	

*Thank you!*



**Philadelphia Gas Works**  
P.O. Box 11700  
Newark, NJ 07101-4700



 **PHONE**

Gas Leaks & Emergencies (24/7)	(215) 235-1212
Residential Customer Service (8am to 6pm, M-F)	(215) 235-1000
Commercial Customer Service (8am to 4:30pm, M-F)	(215) 235-7077
Credit & Collections (8am to 4:30pm, M-F)	(215) 235-1777
Report Theft of Gas (24/7)	(215) 684-6383

**TERMS**

[How's my gas measured?](#)

**CCF** - 100 cubic feet of gas. This is a measure of gas usage. One CCF is about the amount of gas used to run an average-sized house heater nonstop for one hour.

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[Other Helpful Terms](#)

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◀ BRING THIS BARCODE TO ANY ▶



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**RIGHTS & OBLIGATIONS**

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**SUPPLIER INFORMATION**

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PHILADELPHIA GAS WORKS  
**GAS LEAK EMERGENCIES: (215) 235-1212**

Attachment CAUSE-PA-III-9 Avg. Bills



Access Your Account Online [www.pgworks.com](http://www.pgworks.com)



Billing & General Information (215) 235-1000 (English & Español)

| SA ID:

Residential Heat & Domestic

**BREAK DOWN OF CHARGES**

Supply Charges

Commodity Charge 36 Ccf @ \$0.88633 \$31.91

**Total Supply Charges \$31.91**

Delivery Charges

Customer Charge @ \$14.90 \$14.90

Distribution Charge 36 Ccf @ \$0.95721 \$34.46

Distribution System Improvement Charge 7.5% \$3.70

Gas Cost Adjustment @ \$0.01265 \$0.46

Weather Normalization Adjustment \$3.50

**Total Delivery Charges \$57.02**

CRP Discount -\$36.93

**Total CRP Charges \$52.00**

**CRP INFORMATION**

CRP Agreement Status: **ACTIVE**  
 CRP Agreement Type: **CRP AVG**

**METER DETAILS**

Meter Number:  
 Read Cycle: 19  
 Read Dates: 10/27/2022 - 11/28/2022  
 Starting Read: 1861 Actual  
 Ending Read: 1897 Actual  
 Usage in CCF: 36.00  
 Conversion Factor: 1.0337 Therm = 1 Ccf  
 Usage in Therms: 37.21  
 Next Meter Read: 12/28/2022

**SHOPPING INFORMATION BOX**

When shopping for Natural Gas with a Natural Gas Supplier, please provide the following:

PGW Account:  
 Service Point ID:  
 Rate Class: General Service Residential  
 Rate Schedule: GSR

*If you are already shopping know your contract expiration date.*

**ADJUSTMENT DETAIL**

**Adjustments for SA ID #**

LIHEAP CREDIT PAYMENT DISTRIBUTION TRANSFER -\$21.52

LIHEAP CREDIT PAYMENT DISTRIBUTION TRANSFER -\$30.48

**Adjustments for SA ID #**

CRP Forgiveness Amt -\$26.73

**Adjustments for SA ID #**

LIHEAP CREDIT PAYMENT DISTRIBUTION TRANSFER \$21.52

LIHEAP CREDIT PAYMENT DISTRIBUTION TRANSFER \$30.48

**Total Adjustments -\$26.73**

**ACCOUNT BALANCE INFORMATION**

Your account balance is \$317.99, which will become due if you fail to meet the terms of your agreement.

# THINK YOU SMELL GAS?

It smells  
like rotten  
eggs



**Leave the area and call  
(215) 235-1212.**

Our Emergency Hotline is available  
24 hours a day, 7 days a week.

#### PGW Messages

- ✉ Your estimated gas price to Compare (PTC) is \$0.83648 per CCF. This estimated PTC was calculated by averaging PGW's quarterly PTC over 12 months and is subject to change every quarter. For a more accurate PTC please visit [pagasswitch.com](http://pagasswitch.com)

Questions or complaints about your bill?  
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**PHONE**

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PHILADELPHIA GAS WORKS  
**GAS LEAK EMERGENCIES: (215) 235-1212**

Attachment CAUSE-PA-III-9 Avg. Bills



Access Your Account Online [www.pgworks.com](http://www.pgworks.com)



Billing & General Information (215) 235-1000 (English & Español)

| SA ID:

Residential Heat & Domestic

**BREAK DOWN OF CHARGES**

**Supply Charges**

Commodity Charge 8 Ccf @ \$0.88633 \$7.09

**Total Supply Charges \$7.09**

**Delivery Charges**

Customer Charge @ \$14.90 \$14.90

Distribution Charge 8 Ccf @ \$0.95721 \$7.66

Distribution System Improvement Charge 7.5% \$1.69

Gas Cost Adjustment @ \$0.01265 \$0.10

Weather Normalization Adjustment -\$0.21

**Total Delivery Charges \$24.14**

CRP Reverse Discount \$20.77

**Total CRP Charges \$52.00**

**CRP INFORMATION**

CRP Agreement Status: **ACTIVE**  
 CRP Agreement Type: **CRP AVG**

**METER DETAILS**

Meter Number:  
 Read Cycle: 19  
 Read Dates: 09/28/2022 - 10/27/2022  
 Starting Read: 1853 Actual  
 Ending Read: 1861 Actual  
 Usage in CCF: 8.00  
 Conversion Factor: 1.0335 Therm = 1 Ccf  
 Usage in Therms: 8.26  
 Next Meter Read: 11/28/2022

**SHOPPING INFORMATION BOX**

When shopping for Natural Gas with a Natural Gas Supplier, please provide the following:

PGW Account:  
 Service Point ID:  
 Rate Class: General Service Residential  
 Rate Schedule: GSR

*If you are already shopping know your contract expiration date.*

**ADJUSTMENT DETAIL**

**Adjustments for SA ID #**

Late Payment Charge Waive -\$21.52

LIHEAP CREDIT PAYMENT DISTRIBUTION TRANSFER -\$21.52

LIHEAP CREDIT PAYMENT DISTRIBUTION TRANSFER -\$30.48

**Adjustments for SA ID #**

CREDIT Dollars from Premise 2225 W CAMBRIA ST/PHIL -\$2.95

CRP Forgiveness Amt -\$26.73

**Adjustments for SA ID #**

LIHEAP CREDIT PAYMENT DISTRIBUTION TRANSFER \$30.48

LIHEAP CREDIT PAYMENT DISTRIBUTION TRANSFER \$21.52

**Adjustments for SA ID #**

Transfer Balance \$2.95

Late Payment Charge Waive -\$2.95

**Total Adjustments -\$51.20**

**ACCOUNT BALANCE INFORMATION**

Your account balance is \$292.72, which will become due if you fail to meet the terms of your agreement.



# THINK YOU SMELL GAS?

It smells  
like rotten  
eggs



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(215) 235-1212.**

Our Emergency Hotline is available  
24 hours a day, 7 days a week.

#### PGW Messages

- ✉ Your estimated gas price to Compare (PTC) is \$0.89999 per CCF. This estimated PTC was calculated by averaging PGW's quarterly PTC over 12 months and is subject to change every quarter. For a more accurate PTC please visit [pagasswitch.com](http://pagasswitch.com)

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Attachment CAUSE-PA-III-9 Avg. Bills  
PHILADELPHIA GAS WORKS  
GAS LEAK EMERGENCIES: (215) 235-1212



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Billing & General Information (215) 235-1000 (English & Español)



**Hello Lawrence Cook,**

Thank you for participating in the Customer Responsibility Program (CRP).

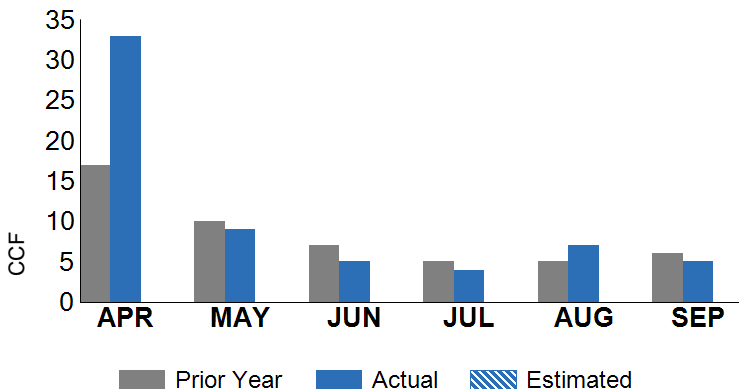
**Account Number:**



Please Pay **\$0.00**  
Due By **10/25/2022**

Billing Date **SEP 30, 2022**  
Service From **08/29/2022 - 09/28/2022**  
Past Due CRP Charges **-\$230.00**  
Current CRP Charges **\$52.00**

**ENERGY USAGE SNAPSHOT**



Average Daily Cost \$1.73 Current Month Compared to \$1.58 prior year	Average Daily Temperature 74° Current Month   Compared to 73° prior year Usage Over Last Year 31 Ccf* Monthly Average   372 Ccf Total 1 CCF = approx. 1 hour of heat <i>*See terms on pg. 2</i>
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**MESSAGE CENTER**

**Sign up for a PGW My Account**

[PGWorks.com/MyAccount](http://PGWorks.com/MyAccount)



Manage Your Account



Easy to Navigate Dashboards



Secure Billing & Payments



Rebates & Incentives

Available to all customers.



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Pay With Cash (See Back For Details)



Please return this portion with your payment.  
Write your account number on your check or money order made payable to Philadelphia Gas Works.

<b>Please Pay</b> <b>\$0.00</b>	<b>Due By</b> <b>10/25/2022</b>
<b>Account Number:</b>	
\$ <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	

*Thank you!*



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Newark, NJ 07101-4700



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PHILADELPHIA GAS WORKS  
**GAS LEAK EMERGENCIES: (215) 235-1212**

Attachment CAUSE-PA-III-9 Avg. Bills



Access Your Account Online [www.pgworks.com](http://www.pgworks.com)



Billing & General Information (215) 235-1000 (English & Español)

| SA ID:

Residential Heat & Domestic

**BREAK DOWN OF CHARGES**

**Supply Charges**

Commodity Charge 0.33 Ccf @ \$0.95315	\$0.32
<b>Total Supply Charges</b>	<b>\$0.32</b>

**Delivery Charges**

Customer Charge @ \$14.90	\$0.99
Distribution Charge 0.33 Ccf @ \$0.9739	\$0.32
Distribution System Improvement Charge 7.5%	\$0.10
Gas Cost Adjustment @ -\$0.01598	-\$0.01
<b>Total Delivery Charges</b>	<b>\$1.40</b>
CRP Reverse Discount	\$1.75

**Supply Charges**

Commodity Charge 4.67 Ccf @ \$0.88633	\$4.13
<b>Total Supply Charges</b>	<b>\$4.13</b>

**Delivery Charges**

Customer Charge @ \$14.90	\$13.91
Distribution Charge 4.67 Ccf @ \$0.95721	\$4.47
Distribution System Improvement Charge 7.5%	\$1.38
Gas Cost Adjustment @ \$0.01265	\$0.06
<b>Total Delivery Charges</b>	<b>\$19.82</b>
CRP Reverse Discount	\$24.58

<b>Total CRP Charges</b>	<b>\$52.00</b>
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**ADJUSTMENT DETAIL**

**Adjustments for SA ID #**

LIHEAP CREDIT PAYMENT DISTRIBUTION TRANSFER	-\$52.00
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**Adjustments for SA ID #**

CRP Forgiveness Amt	-\$26.73
---------------------	----------

**Adjustments for SA ID #**

LIHEAP CREDIT PAYMENT DISTRIBUTION TRANSFER	\$52.00
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<b>Total Adjustments</b>	<b>-\$26.73</b>
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**ACCOUNT BALANCE INFORMATION**

Your account balance is \$291.92, which will become due if you fail to meet the terms of your agreement.

**CRP INFORMATION**

CRP Agreement Status:	<b>ACTIVE</b>
CRP Agreement Type:	<b>CRP AVG</b>

**METER DETAILS**

Meter Number:	
Read Cycle:	19
Read Dates:	08/29/2022 - 09/28/2022
Starting Read:	1848 Actual
Ending Read:	1853 Actual
Usage in CCF:	5.00
Conversion Factor:	1.0326 Therm = 1 Ccf
Usage in Therms:	5.16
Next Meter Read:	10/27/2022

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Service Point ID:	
Rate Class:	General Service Residential
Rate Schedule:	GSR

*If you are already shopping know your contract expiration date.*

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#### PGW Messages

- ✉ September 1, 2022 Commodity Charge decreased to \$0.88633 per CCF. Gas Cost Adjustment increased to \$0.01265. Distribution Charge decreased to \$0.95721. The changes will decrease the typical residential heating bill by about \$39.85 a year.
- ✉ Your estimated gas price to Compare (PTC) is \$0.89999 per CCF. This estimated PTC was calculated by averaging PGW's quarterly PTC over 12 months and is subject to change every quarter. For a more accurate PTC please visit [pagasswitch.com](http://pagasswitch.com)

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Billing & General Information (215) 235-1000 (English & Español)



**Hello ,**

Thank you for participating in the Customer Responsibility Program (CRP).

**Account Number:**

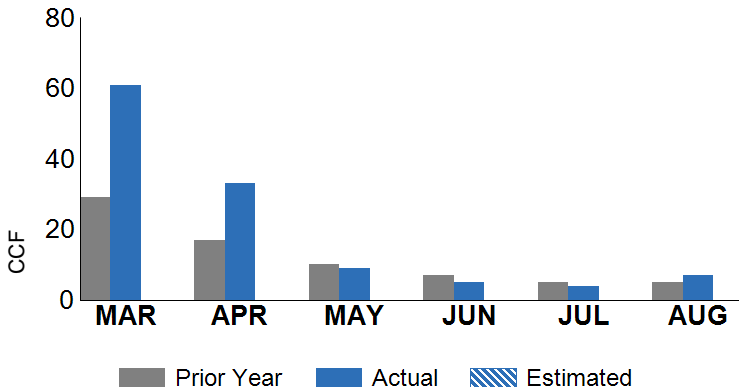


Please Pay **\$0.00**  
Due By **09/26/2022**

Billing Date **AUG 31, 2022**  
Service From **07/29/2022 - 08/29/2022**  
Past Due CRP Charges **-\$282.00**  
Current CRP Charges **\$52.00**

**Thank you for your payment of \$250.00**

**ENERGY USAGE SNAPSHOT**



Average Daily Cost \$1.68 Current Month Compared to \$1.79 prior year	Average Daily Temperature 81° Current Month   Compared to 79° prior year <hr/> Usage Over Last Year 31 Ccf* Monthly Average   373 Ccf Total 1 CCF = approx. 1 hour of heat *See terms on pg. 2
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**MESSAGE CENTER**

**Sign up for a PGW My Account**

**[PGWorks.com/MyAccount](http://PGWorks.com/MyAccount)**



Manage Your Account



Easy to Navigate Dashboards



Secure Billing & Payments



Rebates & Incentives

Available to all customers.



Pay Online [www.pgworks.com](http://www.pgworks.com)



Pay By Phone (215) 235-1000 (English & Español)  
\*a convenience fee of \$2.95 will be applied



Pay With Cash (See Back For Details)



Please return this portion with your payment.  
Write your account number on your check or money order made payable to Philadelphia Gas Works.

Please Pay <b>\$0.00</b>	Due By <b>09/26/2022</b>
Account Number:	
\$ <input type="text"/> , <input type="text"/> <input type="text"/> , <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/>	

*Thank you!*



Philadelphia Gas Works  
P.O. Box 11700  
Newark, NJ 07101-4700

**PHONE**

Gas Leaks & Emergencies (24/7)	(215) 235-1212
Residential Customer Service (8am to 6pm, M-F)	(215) 235-1000
Commercial Customer Service (8am to 4:30pm, M-F)	(215) 235-7077
Credit & Collections (8am to 4:30pm, M-F)	(215) 235-1777
Report Theft of Gas (24/7)	(215) 684-6383

**TERMS**

[How's my gas measured?](#)

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[Other Helpful Terms](#)

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**PAY WITH CASH** **POSTS SAME DAY AND FREE.**

**BRING THIS BARCODE TO ANY**



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PHILADELPHIA GAS WORKS  
**GAS LEAK EMERGENCIES: (215) 235-1212**

Attachment CAUSE-PA-III-9 Avg. Bills



Access Your Account Online [www.pgworks.com](http://www.pgworks.com)



Billing & General Information (215) 235-1000 (English & Español)

| SA ID:

Residential Heat & Domestic

**BREAK DOWN OF CHARGES**

**Supply Charges**

Commodity Charge 7 Ccf @ \$0.95315 \$6.67

**Total Supply Charges \$6.67**

**Delivery Charges**

Customer Charge @ \$14.90 \$14.90

Distribution Charge 7 Ccf @ \$0.9739 \$6.82

Distribution System Improvement Charge 7.5% \$1.63

Gas Cost Adjustment @ -\$0.01598 -\$0.11

**Total Delivery Charges \$23.24**

CRP Reverse Discount \$22.09

**Total CRP Charges \$52.00**

**CRP INFORMATION**

CRP Agreement Status: **ACTIVE**  
 CRP Agreement Type: **CRP AVG**

**METER DETAILS**

Meter Number:  
 Read Cycle: 19  
 Read Dates: 07/29/2022 - 08/29/2022  
 Starting Read: 1841 Actual  
 Ending Read: 1848 Actual  
 Usage in CCF: 7.00  
 Conversion Factor: 1.0332 Therm = 1 Ccf  
 Usage in Therms: 7.23  
 Next Meter Read: 09/28/2022

**SHOPPING INFORMATION BOX**

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PGW Account:  
 Service Point ID:  
 Rate Class: General Service Residential  
 Rate Schedule: GSR

*If you are already shopping know your contract expiration date.*

**PAYMENTS RECEIVED**

08/17/2022 LIHEAP \$250.00

**Total Payments \$250.00**

**ADJUSTMENT DETAIL**

**Adjustments for SA ID #**

LIHEAP CREDIT PAYMENT DISTRIBUTION TRANSFER -\$52.00

**Adjustments for SA ID #**

CRP Forgiveness Nbr Mnths 1 Per Mon Amt: 57.00 -\$26.73

**Adjustments for SA ID #**

LIHEAP CREDIT PAYMENT DISTRIBUTION TRANSFER \$52.00

**Total Adjustments -\$26.73**

**ACCOUNT BALANCE INFORMATION**

Your account balance is \$266.65, which will become due if you fail to meet the terms of your agreement.



# THINK YOU SMELL GAS?

It smells  
like rotten  
eggs



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(215) 235-1212.**

Our Emergency Hotline is available  
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- ✉ Your estimated gas price to Compare (PTC) is \$0.89999 per CCF. This estimated PTC was calculated by averaging PGW's quarterly PTC over 12 months and is subject to change every quarter. For a more accurate PTC please visit [pagasswitch.com](http://pagasswitch.com)

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PHILADELPHIA GAS WORKS  
**GAS LEAK EMERGENCIES: (215) 235-1212**

Attachment CAUSE-PA-III-9 Avg. Bills



Access Your Account Online [www.pgworks.com](http://www.pgworks.com)



Billing & General Information (215) 235-1000 (English & Español)

SA ID:

Residential Heat & Domestic

**BREAK DOWN OF CHARGES**

**Supply Charges**

Commodity Charge 4 Ccf @ \$0.95315 \$3.81  
**Total Supply Charges \$3.81**

**Delivery Charges**

Customer Charge @ \$14.90 \$14.90  
 Distribution Charge 4 Ccf @ \$0.9739 \$3.90  
 Distribution System Improvement Charge 7.5% \$1.41  
 Gas Cost Adjustment @ -\$0.01598 -\$0.06

**Total Delivery Charges \$20.15**

CRP Reverse Discount \$28.04

**Total CRP Charges \$52.00**

**CRP INFORMATION**

CRP Agreement Status: **ACTIVE**  
 CRP Agreement Type: **CRP AVG**

**METER DETAILS**

Meter Number:  
 Read Cycle: 19  
 Read Dates: 06/29/2022 - 07/29/2022  
 Starting Read: 1837 Actual  
 Ending Read: 1841 Actual  
 Usage in CCF: 4.00  
 Conversion Factor: 1.0336 Therm = 1 Ccf  
 Usage in Therms: 4.13  
 Next Meter Read: 08/29/2022

**SHOPPING INFORMATION BOX**

When shopping for Natural Gas with a Natural Gas Supplier, please provide the following:

PGW Account:  
 Service Point ID:  
 Rate Class: General Service Residential  
 Rate Schedule: GSR

*If you are already shopping know your contract expiration date.*

**ADJUSTMENT DETAIL**

**Adjustments for SA ID #**

LIHEAP CREDIT PAYMENT DISTRIBUTION TRANSFER -\$52.00

**Adjustments for SA ID #**

CRP Forgiveness Amt -\$26.73

**Adjustments for SA ID #**

LIHEAP CREDIT PAYMENT DISTRIBUTION TRANSFER \$52.00

**Total Adjustments -\$26.73**

**ACCOUNT BALANCE INFORMATION**

Your account balance is \$491.38, which will become due if you fail to meet the terms of your agreement.

# THINK YOU SMELL GAS?

It smells  
like rotten  
eggs



**Leave the area and call  
(215) 235-1212.**

Our Emergency Hotline is available  
24 hours a day, 7 days a week.

#### PGW Messages



Your estimated gas price to Compare (PTC) is \$0.93810 per CCF. This estimated PTC was calculated by averaging PGW's quarterly PTC over 12 months and is subject to change every quarter. For a more accurate PTC please visit [pagasswitch.com](http://pagasswitch.com)

Questions or complaints about your bill?

Please call us before the due date at (215) 235-1000, or write to: PGW P.O. Box 3500, Phila., PA 19122-0050



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Attachment CAUSE-PA-III-9 Avg. Bills



Access Your Account Online [www.pgworks.com](http://www.pgworks.com)



Billing & General Information (215) 235-1000 (English & Español)



**Hello ,**

Thank you for participating in the Customer Responsibility Program (CRP).

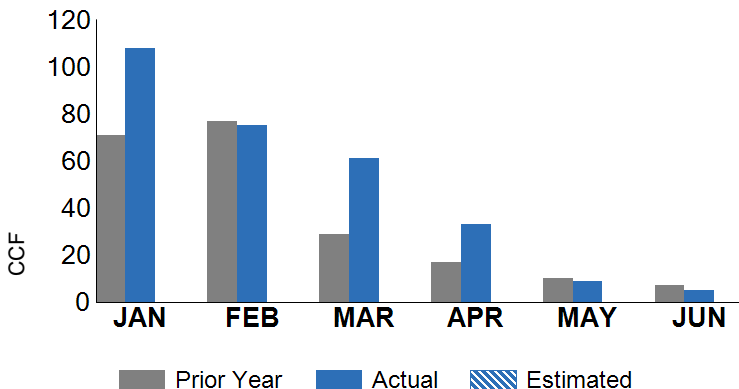
**Account Number:**



Please Pay **\$0.00**  
Due By **07/27/2022**

Billing Date JUN 30, 2022  
Service From 05/31/2022 - 06/29/2022  
Past Due CRP Charges -\$136.00  
Current CRP Charges \$52.00

**ENERGY USAGE SNAPSHOT**



Average Daily Cost	Average Daily Temperature
\$1.79	74° Current Month   Compared to 75° prior year
Current Month	Usage Over Last Year
Compared to \$1.86 prior year	31 Ccf* Monthly Average   372 Ccf Total
	1 CCF = approx. 1 hour of heat
	<i>*See terms on pg. 2</i>

**MESSAGE CENTER**

**Looking for in-person assistance? We can help.**

Scan this QR code to find your nearest Neighborhood Energy Center



Pay Online [www.pgworks.com](http://www.pgworks.com)



Pay By Phone (215) 235-1000 (English & Español)  
*\*a convenience fee of \$2.95 will be applied*



Pay With Cash (See Back For Details)



Please return this portion with your payment. Write your account number on your check or money order made payable to Philadelphia Gas Works.

<b>Please Pay</b> <b>\$0.00</b>	<b>Due By</b> <b>07/27/2022</b>
<b>Account Number:</b>	
\$ <input type="text"/> , <input type="text"/> <input type="text"/> <input type="text"/> , <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	

*Thank you!*



**Philadelphia Gas Works**  
P.O. Box 11700  
Newark, NJ 07101-4700

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Billing & General Information (215) 235-1000 (English & Español)

| SA ID:

Residential Heat & Domestic

**BREAK DOWN OF CHARGES**

**Supply Charges**

Commodity Charge 5 Ccf @ \$0.95315 \$4.77

**Total Supply Charges \$4.77**

**Delivery Charges**

Customer Charge @ \$14.90 \$14.90

Distribution Charge 5 Ccf @ \$0.9739 \$4.87

Distribution System Improvement Charge 7.5% \$1.48

Gas Cost Adjustment @ -\$0.01598 -\$0.08

**Total Delivery Charges \$21.17**

CRP Reverse Discount \$26.06

**Total CRP Charges \$52.00**

**CRP INFORMATION**

CRP Agreement Status: **ACTIVE**  
 CRP Agreement Type: **CRP AVG**

**METER DETAILS**

Meter Number:  
 Read Cycle: 19  
 Read Dates: 05/31/2022 - 06/29/2022  
 Starting Read: 1832 Actual  
 Ending Read: 1837 Actual  
 Usage in CCF: 5.00  
 Conversion Factor: 1.0326 Therm = 1 Ccf  
 Usage in Therms: 5.16  
 Next Meter Read: 07/29/2022

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 Rate Class: General Service Residential  
 Rate Schedule: GSR

*If you are already shopping know your contract expiration date.*

**ADJUSTMENT DETAIL**

**Adjustments for SA ID #**

LIHEAP CREDIT PAYMENT DISTRIBUTION TRANSFER -\$52.00

**Adjustments for SA ID #**

CRP Forgiveness Amt -\$26.73

**Adjustments for SA ID #**

LIHEAP CREDIT PAYMENT DISTRIBUTION TRANSFER \$52.00

**Total Adjustments -\$26.73**

**ACCOUNT BALANCE INFORMATION**

Your account balance is \$466.11, which will become due if you fail to meet the terms of your agreement.



# THINK YOU SMELL GAS?

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#### PGW Messages

- ✉ June 1, 2022 Commodity Charge increased to \$0.95315 per CCF. Gas Cost Adjustment increased to -\$0.01598. Distribution Charge increased to \$0.97390. The changes will increase the typical residential heating bill by about \$284.36 a year.
- ✉ Your estimated gas price to Compare (PTC) is \$0.93810 per CCF. This estimated PTC was calculated by averaging PGW's quarterly PTC over 12 months and is subject to change every quarter. For a more accurate PTC please visit [pagasswitch.com](http://pagasswitch.com)

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**CRP Forgiveness Amount** – The amount by which a CRP customer's arrears is reduced each month they pay their CRP amount on time and in full.

**PAY WITH CASH** POSTS SAME DAY AND FREE.

◀ BRING THIS BARCODE TO ANY ▶



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**RIGHTS & OBLIGATIONS**

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**SUPPLIER INFORMATION**

If you have selected a Natural Gas Supplier other than PGW, the natural gas supplier is responsible for determining the rates billed for supplier charges. PGW will bill for gas delivery according to the tariff for your rate class. Commodity prices and charges are set by the Natural Gas Supplier you have chosen. The Public Utility Commission regulates the distribution prices and services.



PHILADELPHIA GAS WORKS  
**GAS LEAK EMERGENCIES: (215) 235-1212**

Attachment CAUSE-PA-III-9 Avg. Bills



Access Your Account Online [www.pgworks.com](http://www.pgworks.com)



Billing & General Information (215) 235-1000 (English & Español)

| SA ID:

Residential Heat & Domestic

**BREAK DOWN OF CHARGES**

Supply Charges

Commodity Charge 9 Ccf @ \$0.60364 \$5.43

**Total Supply Charges \$5.43**

Delivery Charges

Customer Charge @ \$14.90 \$14.90

Distribution Charge 9 Ccf @ \$0.92843 \$8.36

Distribution System Improvement Charge 7.5% \$1.74

Gas Cost Adjustment @ -\$0.01809 -\$0.16

Weather Normalization Adjustment \$1.90

**Total Delivery Charges \$26.74**

CRP Reverse Discount \$19.83

**Total CRP Charges \$52.00**

**CRP INFORMATION**

CRP Agreement Status: **ACTIVE**  
 CRP Agreement Type: **CRP AVG**

**METER DETAILS**

Meter Number:  
 Read Cycle: 19  
 Read Dates: 05/02/2022 - 05/31/2022  
 Starting Read: 1823 Actual  
 Ending Read: 1832 Actual  
 Usage in CCF: 9.00  
 Conversion Factor: 1.0313 Therm = 1 Ccf  
 Usage in Therms: 9.28  
 Next Meter Read: 06/29/2022

**SHOPPING INFORMATION BOX**

When shopping for Natural Gas with a Natural Gas Supplier, please provide the following:

PGW Account:  
 Service Point ID:  
 Rate Class: General Service Residential  
 Rate Schedule: GSR

*If you are already shopping know your contract expiration date.*

**ADJUSTMENT DETAIL**

Adjustments for SA ID #

LIHEAP CREDIT PAYMENT DISTRIBUTION TRANSFER -\$52.00

Adjustments for SA ID #

CRP Forgiveness Amt -\$26.73

Adjustments for SA ID #

LIHEAP CREDIT PAYMENT DISTRIBUTION TRANSFER \$52.00

**Total Adjustments -\$26.73**

**ACCOUNT BALANCE INFORMATION**

Your account balance is \$440.84, which will become due if you fail to meet the terms of your agreement.

# THINK YOU SMELL GAS?

It smells  
like rotten  
eggs



**Leave the area and call  
(215) 235-1212.**

Our Emergency Hotline is available  
24 hours a day, 7 days a week.

#### PGW Messages

- ✉ Your estimated gas price to Compare (PTC) is \$0.93810 per CCF. This estimated PTC was calculated by averaging PGW's quarterly PTC over 12 months and is subject to change every quarter. For a more accurate PTC please visit [pagasswitch.com](http://pagasswitch.com)

Questions or complaints about your bill?  
Please call us before the due date at (215) 235-1000, or write to: PGW P.O. Box 3500, Phila., PA 19122-0050





**PHONE**

Gas Leaks & Emergencies (24/7) (215) 235-1212  
 Residential Customer Service (8am to 6pm, M-F) (215) 235-1000  
 Commercial Customer Service (8am to 4:30pm, M-F) (215) 235-7077  
 Credit & Collections (8am to 4:30pm, M-F) (215) 235-1777  
 Report Theft of Gas (24/7) (215) 684-6383

		M	T	W	Th	F
Germantown	212 W. Cheltenham Ave.		✓	✓		✓
S. Philadelphia	1601 S. Broad St.	✓		✓	✓	
Frankford	4410 Frankford Ave.		✓		✓	✓
N. Philadelphia	1337 W. Erie Ave.	✓		✓	✓	
W. Philadelphia	5230 Chestnut St.	✓	✓	✓		✓

**TERMS**

How's my gas measured?

**CCF** - 100 cubic feet of gas. This is a measure of gas usage. One CCF is about the amount of gas used to run an average-sized house heater nonstop for one hour.

**Dekatherms (DTH)** - A measure of the heat content value of gas. Gas usage is determined by multiplying the MCF used by the heat content value of the gas.

**MCF** - 1,000 cubic feet of gas. This is a measure of gas usage.

What are my charges?

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**Commodity Charges** – The charge for basic gas supply service which is sold either by volume (ccf or mcf) or heating value (DTH). These charges are passed along to customers at the price PGW pays, with no markup.

**Customer Charges** – A monthly charge to cover NGDC costs such as maintaining the lines, meter reading and billing.

**Distribution Charges** – The charge for delivery of natural gas from the point of receipt by the NGDC to the customer.

**Distribution System Improvement Charge (DSIC)** - A charge approved by the Pennsylvania Public Utility Commission (PUC) for recovery of the reasonable and prudent costs incurred to repair, improve, or replace eligible distribution property. A DSIC provides PGW with the resources to accelerate the replacement of aging infrastructure.

**Gas Cost Adjustments** – Amount billed or credited each month to account for differences between projected and actual gas supply costs of the NGDC.

**Weather Normalization Adjustment** – An adjustment approved by the PUC as a way to help PGW stabilize its income and operate more efficiently within its budget during the heating season.

Other Helpful Terms

**Budget Bill** – An optional billing method which averages estimated service costs over a 12-month period.

**Meter Reading Information** – PGW uses its best effort to obtain an actual meter reading regularly, and at least every six months for customers without automatic meter reading devices. When the meter is not read, PGW estimates your gas use. To avoid estimates, you may read your own meter and call us with the reading. We also offer stamped, preaddressed postcards, which you can use to send us your meter reading by the specified date. To request a supply of these cards, call (215) 235-1000, or write us at P.O. Box 3500, Philadelphia, PA 19122.

**Natural Gas Distribution Company (NGDC)** – A state regulated natural gas utility which owns the gas lines and equipment necessary to deliver natural gas to the consumer. PGW is a NGDC.

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**CRP Forgiveness Amount** – The amount by which a CRP customer's arrears is reduced each month they pay their CRP amount on time and in full.

**DOLLAR GENERAL**

**FAMILY DOLLAR**

**CVS**



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Five dollar (\$5.00) minimum payment required with barcode. Barcode must be presented at time of payment. Participating vendors will only accept cash with barcode. Payments made with barcode must be made before 6:00 p.m. in order to post to account the same day. Payments made with barcode while termination of service is in progress will not serve to stop termination of service. For eligible accounts only.

**RIGHTS & OBLIGATIONS**

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**SUPPLIER INFORMATION**

If you have selected a Natural Gas Supplier other than PGW, the Natural Gas Supplier is responsible for the billing of Supplier Charges. PGW will bill for gas delivery according to the tariff for your rate class. Commodity prices and charges are set by the Natural Gas Supplier you have chosen. The Public Utility Commission regulates the distribution prices and services.



PHILADELPHIA GAS WORKS  
**GAS LEAK EMERGENCIES: (215) 235-1212**

Attachment CAUSE-PA-III-9 Avg. Bills



Access Your Account Online [www.pgworks.com](http://www.pgworks.com)



Billing & General Information (215) 235-1000 (English & Español)

| SA ID:

Residential Heat & Domestic

**BREAK DOWN OF CHARGES**

Supply Charges

Commodity Charge 33 Ccf @ \$0.60364 \$19.92

**Total Supply Charges \$19.92**

Delivery Charges

Customer Charge @ \$14.90 \$14.90

Distribution Charge 33 Ccf @ \$0.92843 \$30.64

Distribution System Improvement Charge 7.5% \$3.42

Gas Cost Adjustment @ -\$0.01809 -\$0.60

Weather Normalization Adjustment -\$1.07

**Total Delivery Charges \$47.29**

CRP Discount -\$15.21

**Total CRP Charges \$52.00**

**CRP INFORMATION**

CRP Agreement Status: **ACTIVE**  
 CRP Agreement Type: **CRP AVG**

**METER DETAILS**

Meter Number:  
 Read Cycle: 19  
 Read Dates: 03/31/2022 - 05/02/2022  
 Starting Read: 1790 Actual  
 Ending Read: 1823 Actual  
 Usage in CCF: 33.00  
 Conversion Factor: 1.0337 Therm = 1 Ccf  
 Usage in Therms: 34.11  
 Next Meter Read: 05/31/2022

**SHOPPING INFORMATION BOX**

When shopping for Natural Gas with a Natural Gas Supplier, please provide the following:

PGW Account:  
 Service Point ID:  
 Rate Class: General Service Residential  
 Rate Schedule: GSR

*If you are already shopping know your contract expiration date.*

**ADJUSTMENT DETAIL**

Adjustments for SA ID #

LIHEAP CREDIT PAYMENT DISTRIBUTION TRANSFER -\$52.00

Adjustments for SA ID #

CRP Forgiveness Amt -\$26.73

Adjustments for SA ID #

LIHEAP CREDIT PAYMENT DISTRIBUTION TRANSFER \$52.00

**Total Adjustments -\$26.73**

**ACCOUNT BALANCE INFORMATION**

Your account balance is \$415.57, which will become due if you fail to meet the terms of your agreement.



Attachment CAUSE-PA III 9 Avg. Bills

# THINK YOU SMELL GAS?

It smells  
like rotten  
eggs



**Leave the area and call  
(215) 235-1212.**

Our Emergency Hotline is available  
24 hours a day, 7 days a week.

#### PGW Messages

- ✉ Your estimated gas price to Compare (PTC) is \$0.58637 per CCF. This estimated PTC was calculated by averaging PGW's quarterly PTC over 12 months and is subject to change every quarter. For a more accurate PTC please visit [pagasswitch.com](http://pagasswitch.com)

Questions or complaints about your bill?  
Please call us before the due date at (215) 235-1000, or write to: PGW P.O. Box 3500, Phila., PA 19122-0050

# Attachment CAUSE-PA-III-9 - Minimum Bills





PHILADELPHIA GAS WORKS  
GAS LEAK EMERGENCIES: (215) 235-1212

Attachment CAUSE-PA-III-9 - Min. Bills



Access Your Account Online [www.pgworks.com](http://www.pgworks.com)



Billing & General Information (215) 235-1000 (English & Español)



**Hello**

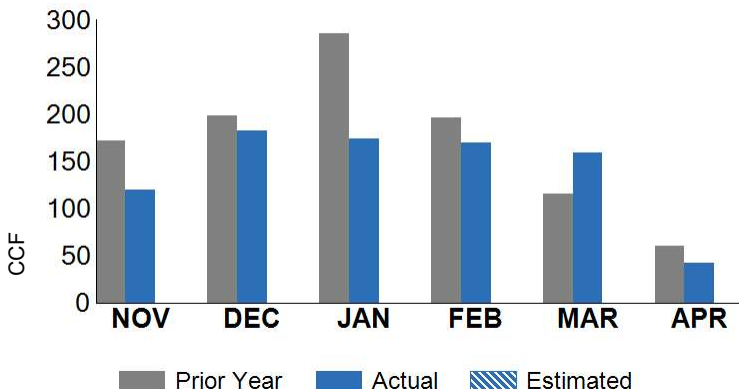
Thank you for participating in the Customer Responsibility Program (CRP).



Please Pay **\$50.00**  
Due By **05/23/2023**

Billing Date APR 29, 2023  
Service From 03/28/2023 - 04/27/2023  
Past Due CRP Charges \$25.00  
Current CRP Charges \$25.00

**ENERGY USAGE SNAPSHOT**



Average Daily Cost	Average Daily Temperature
\$0.83	58° Current Month   Compared to 53° prior year
Current Month	Usage Over Last Year
Compared to \$0.78 prior year	86 Ccf* Monthly Average   1034 Ccf Total
	1 CCF = approx. 1 hour of heat
	*See terms on pg. 2

**MESSAGE CENTER**

**Call 811 Before You Dig:** Have a project that requires digging? Call 8-1-1 before you start so underground utility lines can be marked. Remember, it's the law and FREE!

**Don't Miss Out on LIHEAP:** Get up to \$1,000 to pay for your heating bill. Apply by April 28: [PGWorks.com/LIHEAP](http://PGWorks.com/LIHEAP)

Do you or someone you know need assistance affording natural gas service? **We're here to help. Call us at 215-235-1000 or visit [PGWorks.com/HELP](http://PGWorks.com/HELP)**



Pay Online [www.pgworks.com](http://www.pgworks.com)



Pay By Phone (215) 235-1000 (English & Español)  
\*a convenience fee of \$2.95 will be applied



Pay With Cash (See Back For Details)



Please return this portion with your payment. Write your account number on your check or money order made payable to Philadelphia Gas Works.

Please Pay <b>\$50.00</b>	Due By <b>05/23/2023</b>
Account Number:	
\$ <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	

Thank you!



Philadelphia Gas Works  
P.O. Box 11700  
Newark, NJ 07101-4700

00000676716280000000000050000

 **PHONE**

Gas Leaks & Emergencies (24/7)	(215) 235-1212
Residential Customer Service (8am to 6pm, M-F)	(215) 235-1000
Commercial Customer Service (8am to 4:30pm, M-F)	(215) 235-7077
Credit & Collections (8am to 4:30pm, M-F)	(215) 235-1777
Report Theft of Gas (24/7)	(215) 684-6383

**TERMS**

How's my gas measured?

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Other Helpful Terms

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**Meter Reading Information** – PGW uses its best effort to obtain an actual meter reading regularly, and at least every six months for customers without automatic meter reading devices. When the meter is not read, PGW estimates your gas use. To avoid estimates, you may read your own meter and call us with the reading. We also offer stamped, preaddressed postcards, which you can use to send us your meter reading by the specified date. To request a supply of these cards, call (215) 235-1000, or write us at P.O. Box 3500, Philadelphia, PA 19122.

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PHILADELPHIA GAS WORKS  
**GAS LEAK EMERGENCIES: (215) 235-1212**

Attachment CAUSE-PA-III-9 - Min. Bills



Access Your Account Online [www.pgworks.com](http://www.pgworks.com)



Billing & General Information (215) 235-1000 (English & Español)

Residential Heat & Domestic

**BREAK DOWN OF CHARGES**

Supply Charges

Commodity Charge 42 Ccf @ \$0.51603 \$21.67

**Total Supply Charges \$21.67**

Delivery Charges

Customer Charge @ \$14.90 \$14.90

Distribution Charge 42 Ccf @ \$0.92321 \$38.77

Distribution System Improvement Charge 7.5% \$4.03

Gas Cost Adjustment @ \$0.00338 \$0.14

Weather Normalization Adjustment \$3.90

**Total Delivery Charges \$61.74**

CRP Discount -\$58.41

**Total CRP Charges \$25.00**

**CRP INFORMATION**

CRP Agreement Status: **ACTIVE**  
 CRP Agreement Type: **\$25 MINIMUM**

**METER DETAILS**

Meter Number: 02059568  
 Read Cycle: 19  
 Read Dates: 03/28/2023 - 04/27/2023  
 Starting Read: 4517 Actual  
 Ending Read: 4559 Actual  
 Usage in CCF: 42.00  
 Conversion Factor: 1.0332 Therm = 1 Ccf  
 Usage in Therms: 43.39  
 Next Meter Read: 05/26/2023

**SHOPPING INFORMATION BOX**

When shopping for Natural Gas with a Natural Gas Supplier, please provide the following:

PGW Account:  
 Service Point ID:  
 Rate Class: General Service Residential  
 Rate Schedule: GSR

*If you are already shopping know your contract expiration date.*

**PGW Messages**



Your estimated gas price to Compare (PTC) is \$0.52066 per CCF. This estimated PTC was calculated by averaging PGW's quarterly PTC over 12 months and is subject to change every quarter. For a more accurate PTC please visit [pagasswitch.com](http://pagasswitch.com)

Questions or complaints about your bill?  
 Please call us before the due date at (215) 235-1000, or write to: PGW P.O. Box 3500, Phila., PA 19122-0050



PHILADELPHIA GAS WORKS  
GAS LEAK EMERGENCIES: (215) 235-1212

Attachment CAUSE-PA-III-9 - Min. Bills



Access Your Account Online [www.pgworks.com](http://www.pgworks.com)



Billing & General Information (215) 235-1000 (English & Español)



**Hello ,**

Thank you for participating in the Customer Responsibility Program (CRP).

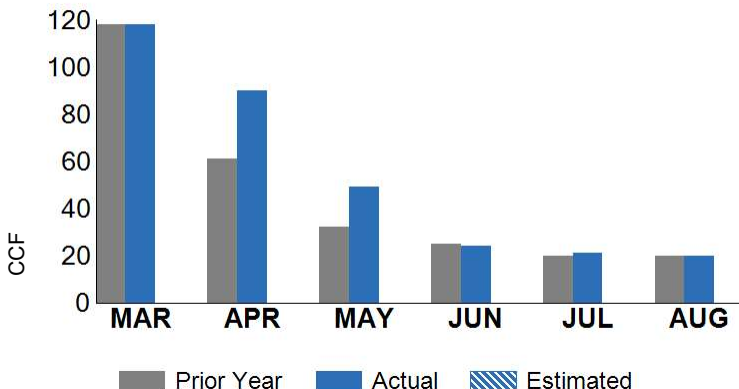
**Account Number:**



Please Pay **\$50.00**  
Due By **09/02/2022**

Billing Date **AUG 10, 2022**  
Service From **07/08/2022 - 08/08/2022**  
Past Due CRP Charges **\$25.00**  
Current CRP Charges **\$25.00**

**ENERGY USAGE SNAPSHOT**



Average Daily Cost \$0.81 Current Month <i>Compared to \$0.86 prior year</i>	Average Daily Temperature 83° Current Month   <i>Compared to 78° prior year</i> Usage Over Last Year 68 Ccf* Monthly Average   <i>810 Ccf Total</i> 1 CCF = approx. 1 hour of heat <i>*See terms on pg. 2</i>
---	--

**MESSAGE CENTER**

**Sign up for a PGW My Account**

[PGWorks.com/MyAccount](http://PGWorks.com/MyAccount)



Manage Your Account



Easy to Navigate Dashboards



Secure Billing & Payments



Rebates & Incentives

Available to all customers.



Pay Online [www.pgworks.com](http://www.pgworks.com)



Pay By Phone (215) 235-1000 (English & Español)  
*\*a convenience fee of \$2.95 will be applied*



Pay With Cash (See Back For Details)



Please return this portion with your payment.  
Write your account number on your check or money order made payable to Philadelphia Gas Works.

<b>Please Pay</b> <b>\$50.00</b>	<b>Due By</b> <b>09/02/2022</b>
<b>Account Number:</b>	
\$ <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	

*Thank you!*



**Philadelphia Gas Works**  
P.O. Box 11700  
Newark, NJ 07101-4700



**PHONE**

Gas Leaks & Emergencies (24/7)	(215) 235-1212
Residential Customer Service (8am to 6pm, M-F)	(215) 235-1000
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Credit & Collections (8am to 4:30pm, M-F)	(215) 235-1777
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**CRP Forgiveness Amount** – The amount by which a CRP customer's arrears is reduced each month they pay their CRP amount on time and in full.

**PAY WITH CASH** POSTS SAME DAY AND FREE.

◀ BRING THIS BARCODE TO ANY ▶



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**SUPPLIER INFORMATION**

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PHILADELPHIA GAS WORKS  
GAS LEAK EMERGENCIES: (215) 235-1212

Attachment CAUSE-PA-III-9 - Min. Bills



Access Your Account Online [www.pgworks.com](http://www.pgworks.com)



Billing & General Information (215) 235-1000 (English & Español)

| SA ID:

Residential Heat & Domestic **BREAK**

**DOWN OF CHARGES**

Supply Charges

Commodity Charge 20 Ccf @ \$0.95315 \$19.06

**Total Supply Charges \$19.06**

Delivery Charges

Customer Charge @ \$14.90 \$14.90

Distribution Charge 20 Ccf @ \$0.9739 \$19.48

Distribution System Improvement Charge 7.5% \$2.58

Gas Cost Adjustment @ -\$0.01598 -\$0.32

**Total Delivery Charges \$36.64**

CRP Discount -\$30.70

**Total CRP Charges \$25.00**

**CRP INFORMATION**

CRP Agreement Status: **ACTIVE**  
CRP Agreement Type: **\$25 MINIMUM**

**METER DETAILS**

Meter Number:  
Read Cycle: 04  
Read Dates: 07/08/2022 - 08/08/2022  
Starting Read: 4302 Actual  
Ending Read: 4322 Actual  
Usage in CCF: 20.00  
Conversion Factor: 1.0338 Therm = 1 Ccf  
Usage in Therms: 20.67  
Next Meter Read: 09/07/2022

**SHOPPING INFORMATION BOX**

When shopping for Natural Gas with a Natural Gas Supplier, please provide the following:

PGW Account:  
Service Point ID:  
Rate Class: General Service Residential  
Rate Schedule: GSR

*If you are already shopping know your contract expiration date.*

**ACCOUNT BALANCE INFORMATION**

Your account balance is \$103.77, which will become due if you fail to meet the terms of your agreement.

**THINK YOU SMELL GAS?**

It smells like rotten eggs



**Leave the area and call (215) 235-1212.**

Our Emergency Hotline is available 24 hours a day, 7 days a week.

**PGW Messages**



Your estimated gas price to Compare (PTC) is \$0.93810 per CCF. This estimated PTC was calculated by averaging PGW's quarterly PTC over 12 months and is subject to change every quarter. For a more accurate PTC please visit [pagasswitch.com](http://pagasswitch.com)

Questions or complaints about your bill?  
Please call us before the due date at (215) 235-1000, or write to: PGW P.O. Box 3500, Phila., PA 19122-0050



**PHONE**

Gas Leaks & Emergencies (24/7)	(215) 235-1212
Residential Customer Service (8am to 6pm, M-F)	(215) 235-1000
Commercial Customer Service (8am to 4:30pm, M-F)	(215) 235-7077
Credit & Collections (8am to 4:30pm, M-F)	(215) 235-1777
Report Theft of Gas (24/7)	(215) 684-6383

**TERMS**

How's my gas measured?

**CCF** - 100 cubic feet of gas. This is a measure of gas usage. One CCF is about the amount of gas used to run an average-sized house heater nonstop for one hour.

**Dekatherms (DTH)** - A measure of the heat content value of gas. Gas usage is determined by multiplying the MCF used by the heat content value of the gas.

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What are my charges?

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**GAS LEAK EMERGENCIES: (215) 235-1212**

Attachment CAUSE-PA-III-9 - Min. Bills



Access Your Account Online [www.pgworks.com](http://www.pgworks.com)



Billing & General Information (215) 235-1000 (English & Español)

| SA ID:

Residential Heat & Domestic **BREAK**

**DOWN OF CHARGES**

Supply Charges

Commodity Charge 72.56 Ccf @ \$0.88633 \$64.31  
**Total Supply Charges \$64.31**

Delivery Charges

Customer Charge @ \$14.90 \$12.57  
 Distribution Charge 72.56 Ccf @ \$0.95721 \$69.46  
 Distribution System Improvement Charge 7.5% \$6.15  
 Gas Cost Adjustment @ \$0.01265 \$0.92  
 Weather Normalization Adjustment \$2.31  
**Total Delivery Charges \$91.41**

CRP Discount -\$134.63

Supply Charges

Commodity Charge 13.44 Ccf @ \$0.82282 \$11.06  
**Total Supply Charges \$11.06**

Delivery Charges

Customer Charge @ \$14.90 \$2.33  
 Distribution Charge 13.44 Ccf @ \$0.94223 \$12.66  
 Distribution System Improvement Charge 7.5% \$1.12  
 Gas Cost Adjustment @ \$0.01265 \$0.17  
 Weather Normalization Adjustment \$0.43  
**Total Delivery Charges \$16.71**

CRP Discount -\$23.86

**Total CRP Charges \$25.00**

**CRP INFORMATION**

CRP Agreement Status: **DEFAULTED**  
 CRP Agreement Type: **\$25 MINIMUM**

**METER DETAILS**

Meter Number:  
 Read Cycle: 04  
 Read Dates: 11/03/2022 - 12/05/2022  
 Starting Read: 4393 Actual  
 Ending Read: 4479 Actual  
 Usage in CCF: 86.00  
 Conversion Factor: 1.0345 Therm = 1 Ccf  
 Usage in Therms: 88.96  
 Next Meter Read: 01/05/2023

**SHOPPING INFORMATION BOX**

When shopping for Natural Gas with a Natural Gas Supplier, please provide the following:

PGW Account:  
 Service Point ID:  
 Rate Class: General Service Residential  
 Rate Schedule: GSR

*If you are already shopping know your contract expiration date.*

**ACCOUNT BALANCE INFORMATION**

Your account balance is \$133.59, which will become due if you fail to meet the terms of your agreement.

**THINK YOU SMELL GAS?**

It smells like rotten eggs

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GAS LEAK EMERGENCIES: (215) 235-1212

Attachment CAUSE-PA-III-9 - Min. Bills



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Billing & General Information (215) 235-1000 (English & Español)



**Hello**

Thank you for participating in the Customer Responsibility Program (CRP).

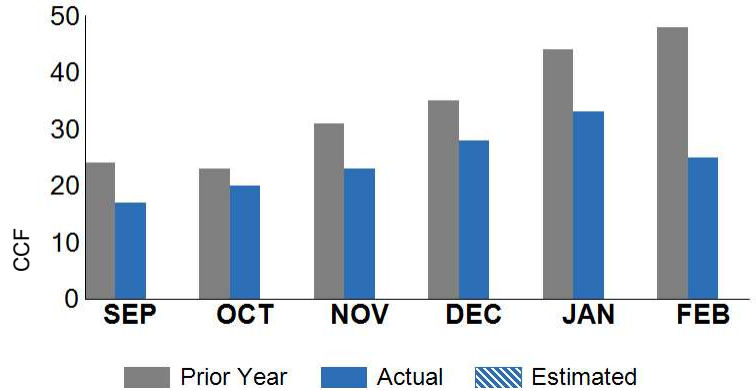


Please Pay **\$25.00**  
Due By **03/15/2023**

Billing Date FEB 18, 2023  
Service From 01/19/2023 - 02/16/2023  
Past Due CRP Charges \$0.00  
Current CRP Charges \$25.00

**Thank you for your payment of \$25.00**

**ENERGY USAGE SNAPSHOT**



Average Daily Cost

\$0.89

Current Month

Compared to \$0.86 prior year

Average Daily Temperature

42° Current Month | Compared to 34° prior year

Usage Over Last Year

24 Ccf\* Monthly Average | 292 Ccf Total

1 CCF = approx. 1 hour of heat

\*See terms on pg. 2

**MESSAGE CENTER**

**ATTENTION:** Any customer who submitted a Customer Responsibility Program (CRP) application or other correspondence to PGW Mailbox: PO Box 3529, Philadelphia that was returned as UNDELIVERABLE by the US Post Office – please resend via mail, apply online for CRP [pgworks.com/crp], or visit a Neighborhood Energy Center to apply in person.

**What's That Smell?** Natural gas has a rotten egg-like odor for easy detection. If you think you smell gas, leave the area immediately, then call PGW's Emergency Hotline at 215-235-1212.



Pay Online [www.pgworks.com](http://www.pgworks.com)



Pay By Phone (215) 235-1000 (English & Español)

\*a convenience fee of \$2.95 will be applied



Pay With Cash (See Back For Details)



Please return this portion with your payment. Write your account number on your check or money order made payable to Philadelphia Gas Works.

Please Pay <b>\$25.00</b>	Due By <b>03/15/2023</b>
Account Number:	
\$ <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	

Thank you!



Philadelphia Gas Works  
P.O. Box 11700  
Newark, NJ 07101-4700

0003360314588000000000025007

**PHONE**

Gas Leaks & Emergencies (24/7)	(215) 235-1212
Residential Customer Service (8am to 6pm, M-F)	(215) 235-1000
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PHILADELPHIA GAS WORKS  
**GAS LEAK EMERGENCIES: (215) 235-1212**

Attachment CAUSE-PA-III-9 - Min. Bills



Access Your Account Online [www.pgworks.com](http://www.pgworks.com)



Billing & General Information (215) 235-1000 (English & Español)

SA ID: Residential Heat & Domestic

**BREAK DOWN OF CHARGES**

Supply Charges

Commodity Charge 25 Ccf @ \$0.82282 \$20.57

**Total Supply Charges \$20.57**

Delivery Charges

Customer Charge @ \$14.90 \$14.90

Distribution Charge 25 Ccf @ \$0.94223 \$23.56

Distribution System Improvement Charge 7.5% \$2.88

Gas Cost Adjustment @ \$0.01265 \$0.32

Weather Normalization Adjustment \$2.35

**Total Delivery Charges \$44.01**

CRP Discount -\$39.58

**Total CRP Charges \$25.00**

**CRP INFORMATION**

CRP Agreement Status: **ACTIVE**  
 CRP Agreement Type: **\$25 MINIMUM**

**METER DETAILS**

Meter Number: 01586625  
 Read Cycle: 13  
 Read Dates: 01/19/2023 - 02/16/2023  
 Starting Read: 3644 Actual  
 Ending Read: 3669 Actual  
 Usage in CCF: 25.00  
 Conversion Factor: 1.0376 Therm = 1 Ccf  
 Usage in Therms: 25.94  
 Next Meter Read: 03/20/2023

**SHOPPING INFORMATION BOX**

When shopping for Natural Gas with a Natural Gas Supplier, please provide the following:

PGW Account:  
 Service Point ID:  
 Rate Class: General Service Residential  
 Rate Schedule: GSR

*If you are already shopping know your contract expiration date.*

**PAYMENTS RECEIVED**

02/06/2023 Check \$25.00

**Total Payments \$25.00**

**PGW Messages**

✉ Your estimated gas price to Compare (PTC) is \$0.83648 per CCF. This estimated PTC was calculated by averaging PGW's quarterly PTC over 12 months and is subject to change every quarter. For a more accurate PTC please visit [pagasswitch.com](http://pagasswitch.com)

Questions or complaints about your bill?  
 Please call us before the due date at (215) 235-1000, or write to: PGW P.O. Box 3500, Phila., PA 19122-0050



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Attachment CAUSE-PA-III-9 - Min. Bills



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Billing & General Information (215) 235-1000 (English & Español)



**Hello ,**

Thank you for participating in the Customer Responsibility Program (CRP).

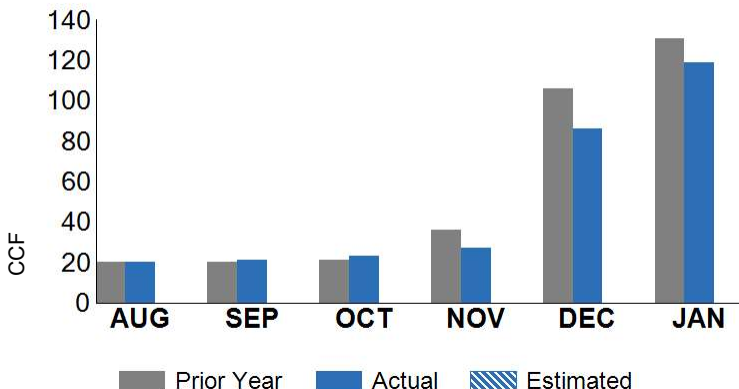
**Account Number:**



Please Pay **\$125.00**  
 Due By **02/01/2023**

Billing Date **JAN 07, 2023**  
 Service From **12/05/2022 - 01/05/2023**  
 Past Due CRP Charges **\$100.00**  
 Current CRP Charges **\$25.00**

**ENERGY USAGE SNAPSHOT**



Average Daily Cost	Average Daily Temperature
\$0.81	40° Current Month   Compared to 44° prior year
Current Month	Usage Over Last Year
Compared to \$0.76 prior year	64 Ccf* Monthly Average   772 Ccf Total
	1 CCF = approx. 1 hour of heat
	*See terms on pg. 2

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Pay With Cash (See Back For Details)



Please return this portion with your payment.  
 Write your account number on your check or money order made payable to Philadelphia Gas Works.

Please Pay <b>\$125.00</b>	Due By <b>02/01/2023</b>
Account Number:	
\$ <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	

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 Newark, NJ 07101-4700



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PHILADELPHIA GAS WORKS  
**GAS LEAK EMERGENCIES: (215) 235-1212**

Attachment CAUSE-PA-III-9 - Min. Bills



Access Your Account Online [www.pgworks.com](http://www.pgworks.com)



Billing & General Information (215) 235-1000 (English & Español)

| SA ID:

Residential Heat & Domestic **BREAK**

**DOWN OF CHARGES**

Supply Charges

Commodity Charge 119 Ccf @ \$0.82282 \$97.92

**Total Supply Charges \$97.92**

Delivery Charges

Customer Charge @ \$14.90 \$14.90

Distribution Charge 119 Ccf @ \$0.94223 \$112.13

Distribution System Improvement Charge 7.5% \$9.53

Gas Cost Adjustment @ \$0.01265 \$1.51

Weather Normalization Adjustment \$4.30

**Total Delivery Charges \$142.37**

CRP Discount -\$215.29

**Total CRP Charges \$25.00**

**CRP INFORMATION**

CRP Agreement Status: **DEFAULTED**  
 CRP Agreement Type: **\$25 MINIMUM**

**METER DETAILS**

Meter Number:  
 Read Cycle: 04  
 Read Dates: 12/05/2022 - 01/05/2023  
 Starting Read: 4479 Actual  
 Ending Read: 4598 Actual  
 Usage in CCF: 119.00  
 Conversion Factor: 1.0386 Therm = 1 Ccf  
 Usage in Therms: 123.59  
 Next Meter Read: 02/03/2023

**SHOPPING INFORMATION BOX**

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 Service Point ID:  
 Rate Class: General Service Residential  
 Rate Schedule: GSR

*If you are already shopping know your contract expiration date.*

**ACCOUNT BALANCE INFORMATION**

Your account balance is \$158.59, which will become due if you fail to meet the terms of your agreement.

THINK YOU SMELL GAS?

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Our Emergency Hotline is available 24 hours a day, 7 days a week.

**PGW Messages**



Your estimated gas price to Compare (PTC) is \$0.83648 per CCF. This estimated PTC was calculated by averaging PGW's quarterly PTC over 12 months and is subject to change every quarter. For a more accurate PTC please visit [pagasswitch.com](http://pagasswitch.com)

Questions or complaints about your bill?  
 Please call us before the due date at (215) 235-1000, or write to: PGW P.O. Box 3500, Phila., PA 19122-0050





**PHONE**

Gas Leaks & Emergencies (24/7)	(215) 235-1212
Residential Customer Service (8am to 6pm, M-F)	(215) 235-1000
Commercial Customer Service (8am to 4:30pm, M-F)	(215) 235-7077
Credit & Collections (8am to 4:30pm, M-F)	(215) 235-1777
Report Theft of Gas (24/7)	(215) 684-6383

**TERMS**

How's my gas measured?

**CCF** - 100 cubic feet of gas. This is a measure of gas usage. One CCF is about the amount of gas used to run an average-sized house heater nonstop for one hour.

**Dekatherms (DTH)** - A measure of the heat content value of gas. Gas usage is determined by multiplying the MCF used by the heat content value of the gas.

**MCF** - 1,000 cubic feet of gas. This is a measure of gas usage.

What are my charges?

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**Commodity Charges** – The charge for basic gas supply service which is sold either by volume (ccf or mcf) or heating value (DTH). These charges are passed along to customers at the price PGW pays, with no markup.

**Customer Charges** – A monthly charge to cover NGDC costs such as maintaining the lines, meter reading and billing.

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**Distribution System Improvement Charge (DSIC)** - A charge approved by the Pennsylvania Public Utility Commission (PUC) for recovery of the reasonable and prudent costs incurred to repair, improve, or replace eligible distribution property. A DSIC provides PGW with the resources to accelerate the replacement of aging infrastructure.

**Gas Cost Adjustments** – Amount billed or credited each month to account for differences between projected and actual gas supply costs of the NGDC.

**Weather Normalization Adjustment** – An adjustment approved by the PUC as a way to help PGW stabilize its income and operate more efficiently within its budget during the heating season.

Other Helpful Terms

**Budget Bill** – An optional billing method which averages estimated service costs over a 12-month period.

**Meter Reading Information** – PGW uses its best effort to obtain an actual meter reading regularly, and at least every six months for customers without automatic meter reading devices. When the meter is not read, PGW estimates your gas use. To avoid estimates, you may read your own meter and call us with the reading. We also offer stamped, preaddressed postcards, which you can use to send us your meter reading by the specified date. To request a supply of these cards, call (215) 235-1000, or write us at P.O. Box 3500, Philadelphia, PA 19122.

**Natural Gas Distribution Company (NGDC)** – A state regulated natural gas utility which owns the gas lines and equipment necessary to deliver natural gas to the consumer. PGW is a NGDC.

What is the Customer Responsibility Program (CRP)?

**Customer Responsibility Program (CRP)** – PGW's low income customer assistance program which provides a lower monthly bill and forgiveness of pre-program debt.

**CRP Discount** – The difference between the actual cost for gas and what CRP customers are asked to pay.

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**CRP Forgiveness Amount** – The amount by which a CRP customer's arrears is reduced each month they pay their CRP amount on time and in full.

**PAY WITH CASH** POSTS SAME DAY AND FREE.

◀ BRING THIS BARCODE TO ANY ▶



By accepting or using this barcode to make a payment, you agree to the full terms and conditions, available at [VanillaDirect.com/terms](http://VanillaDirect.com/terms). After successful payment using this barcode, you may retrieve your full detailed e-receipt at [VanillaDirect.com/Pay/ereceipt](http://VanillaDirect.com/Pay/ereceipt).

Five dollar (\$5.00) minimum payment required with barcode. Barcode must be presented at time of payment. Participating vendors will only accept cash with barcode. Payments made with barcode must be made before 4:00 p.m. in order to post to account the same day. Payments made with barcode while termination of service is in progress will not serve to stop termination of service. For eligible accounts only.

**RIGHTS & OBLIGATIONS**

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**SUPPLIER INFORMATION**

If you have selected a Natural Gas Supplier other than PGW, the natural gas supplier is responsible for determining the rates billed for supplier charges. PGW will bill for gas delivery according to the tariff for your rate class. Commodity prices and charges are set by the Natural Gas Supplier you have chosen. The Public Utility Commission regulates the distribution prices and services.



PHILADELPHIA GAS WORKS  
**GAS LEAK EMERGENCIES: (215) 235-1212**

Attachment CAUSE-PA-III-9 - Min. Bills



Access Your Account Online [www.pgworks.com](http://www.pgworks.com)



Billing & General Information (215) 235-1000 (English & Español)

| SA ID:

Residential Heat & Domestic **BREAK**

**DOWN OF CHARGES**

Supply Charges

Commodity Charge 21 Ccf @ \$0.95315 \$20.02  
**Total Supply Charges \$20.02**

Delivery Charges

Customer Charge @ \$14.90 \$14.90  
 Distribution Charge 21 Ccf @ \$0.9739 \$20.45  
 Distribution System Improvement Charge 7.5% \$2.65  
 Gas Cost Adjustment @ -\$0.01598 -\$0.34

**Total Delivery Charges \$37.66**

CRP Discount -\$32.68

**Total CRP Charges \$25.00**

**CRP INFORMATION**

CRP Agreement Status: **ACTIVE**  
 CRP Agreement Type: **\$25 MINIMUM**

**METER DETAILS**

Meter Number:  
 Read Cycle: 04  
 Read Dates: 06/08/2022 - 07/08/2022  
 Starting Read: 4281 Actual  
 Ending Read: 4302 Actual  
 Usage in CCF: 21.00  
 Conversion Factor: 1.0329 Therm = 1 Ccf  
 Usage in Therms: 21.69  
 Next Meter Read: 08/08/2022

**SHOPPING INFORMATION BOX**

When shopping for Natural Gas with a Natural Gas Supplier, please provide the following:

PGW Account:  
 Service Point ID:  
 Rate Class: General Service Residential  
 Rate Schedule: GSR

*If you are already shopping know your contract expiration date.*

**PAYMENTS RECEIVED**

06/27/2022 Check \$75.00  
**Total Payments \$75.00**

**ADJUSTMENT DETAIL**

Payment Cancelled \$75.00  
 WNA ADJ -\$31.76  
 CRP Discount Cancelled \$31.76  
**Total Adjustments \$75.00**

**ACCOUNT BALANCE INFORMATION**

Your account balance is \$78.77, which will become due if you fail to meet the terms of your agreement.



PHILADELPHIA GAS WORKS  
**GAS LEAK EMERGENCIES: (215) 235-1212**

Attachment CAUSE-PA-III-9 - Min. Bills



Access Your Account Online [www.pgworks.com](http://www.pgworks.com)



Billing & General Information (215) 235-1000 (English & Español)



**Hello**

Thank you for participating in the Customer Responsibility Program (CRP).



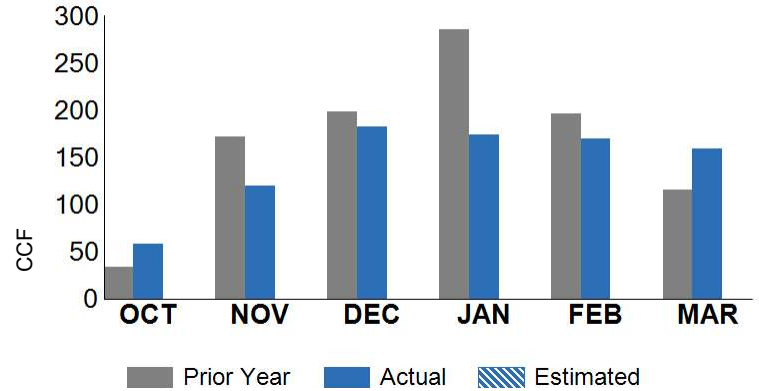
Please Pay **\$25.00**  
 Due By **04/25/2023**

Billing Date **MAR 30, 2023**  
 Service From **02/24/2023 - 03/28/2023**

Past Due CRP Charges **\$0.00**  
 Current CRP Charges **\$25.00**

**Thank you for your payment of \$150.00**

**ENERGY USAGE SNAPSHOT**



Average Daily Cost

\$0.78

Current Month

Compared to \$0.86 prior year

Average Daily Temperature

45° Current Month | Compared to 47° prior year

Usage Over Last Year

88 Ccf\* Monthly Average | 1052 Ccf Total

1 CCF = approx. 1 hour of heat

\*See terms on pg. 2

**MESSAGE CENTER**

**What's That Smell?** Natural gas has a rotten egg-like odor for easy detection. If you think you smell gas, leave the area immediately, then call PGW's Emergency Hotline at 215-235-1212.

**Free Money from LIHEAP:** PGW customers may be eligible for up to \$1,000 from LIHEAP (Low Income Home Energy Assistance Program) to pay for their heating bills. The grant is available to renters & homeowners.

**Apply now: PGWorks.com/LIHEAP**

**Cut Your Bill With CRP:** The Customer Responsibility Program helps low-income customers keep gas service on. **Apply: PGWorks.com/HELP**



Pay Online [www.pgworks.com](http://www.pgworks.com)



Pay By Phone (215) 235-1000 (English & Español)

\*a convenience fee of \$2.95 will be applied



Pay With Cash (See Back For Details)



Please return this portion with your payment. Write your account number on your check or money order made payable to Philadelphia Gas Works.

<b>Please Pay</b> <b>\$25.00</b>	<b>Due By</b> <b>04/25/2023</b>
<b>Account Number:</b>	
\$ <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	

Thank you!



Philadelphia Gas Works  
 P.O. Box 11700  
 Newark, NJ 07101-4700

0000067671628000000000025002

**PHONE**

Gas Leaks & Emergencies (24/7)	(215) 235-1212
Residential Customer Service (8am to 6pm, M-F)	(215) 235-1000
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PHILADELPHIA GAS WORKS  
**GAS LEAK EMERGENCIES: (215) 235-1212**

Attachment CAUSE-PA-III-9 - Min. Bills



Access Your Account Online [www.pgworks.com](http://www.pgworks.com)



Billing & General Information (215) 235-1000 (English & Español)

Residential Heat & Domestic

**BREAK DOWN OF CHARGES**

Supply Charges

Commodity Charge 19.88 Ccf @ \$0.82282	\$16.35
<b>Total Supply Charges</b>	<b>\$16.35</b>

Delivery Charges

Customer Charge @ \$14.90	\$1.86
Distribution Charge 19.88 Ccf @ \$0.94223	\$18.73
Distribution System Improvement Charge 7.5%	\$1.54
Gas Cost Adjustment @ \$0.01265	\$0.25
Weather Normalization Adjustment	\$0.79
<b>Total Delivery Charges</b>	<b>\$23.17</b>
CRP Discount	-\$36.40

Supply Charges

Commodity Charge 139.13 Ccf @ \$0.51603	\$71.79
<b>Total Supply Charges</b>	<b>\$71.79</b>

Delivery Charges

Customer Charge @ \$14.90	\$13.04
Distribution Charge 139.13 Ccf @ \$0.92321	\$128.44
Distribution System Improvement Charge 7.5%	\$10.61
Gas Cost Adjustment @ \$0.00338	\$0.47
Weather Normalization Adjustment	\$5.56
<b>Total Delivery Charges</b>	<b>\$158.12</b>
CRP Discount	-\$208.03

<b>Total CRP Charges</b>	<b>\$25.00</b>
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**PAYMENTS RECEIVED**

03/17/2023 Cred Card	\$150.00
<b>Total Payments</b>	<b>\$150.00</b>

**CRP INFORMATION**

CRP Agreement Status:	<b>ACTIVE</b>
CRP Agreement Type:	<b>\$25 MINIMUM</b>

**METER DETAILS**

Meter Number:	02059568
Read Cycle:	19
Read Dates:	02/24/2023 - 03/28/2023
Starting Read:	4358 Actual
Ending Read:	4517 Actual
Usage in CCF:	159.00
Conversion Factor:	1.0366 Therm = 1 Ccf
Usage in Therms:	164.81
Next Meter Read:	04/27/2023

**SHOPPING INFORMATION BOX**

When shopping for Natural Gas with a Natural Gas Supplier, please provide the following:

PGW Account:	
Service Point ID:	
Rate Class:	General Service Residential
Rate Schedule:	GSR

*If you are already shopping know your contract expiration date.*

THINK YOU  
SMELL GAS?

**Leave the area and call  
(215) 235-1212.**

Our Emergency Hotline is available  
24 hours a day, 7 days a week.



PHILADELPHIA GAS WORKS  
GAS LEAK EMERGENCIES: (215) 235-1212

Attachment CAUSE-PA-III-9 - Min. Bills



Access Your Account Online [www.pgworks.com](http://www.pgworks.com)



Billing & General Information (215) 235-1000 (English & Español)



**Hello ,**

Thank you for participating in the Customer Responsibility Program (CRP).

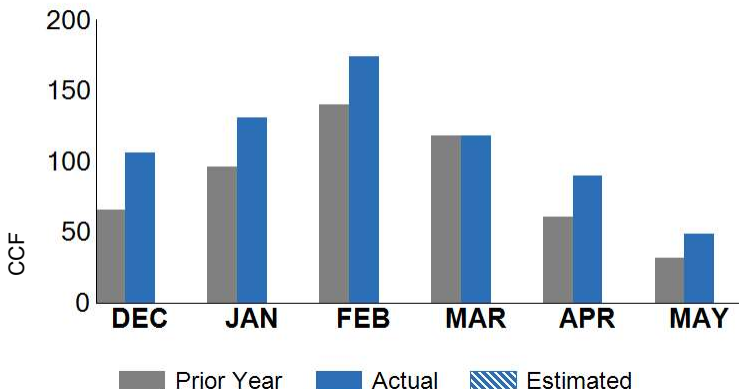
**Account Number:**



Please Pay **\$50.00**  
Due By **06/06/2022**

Billing Date **MAY 11, 2022**  
Service From **04/08/2022 - 05/09/2022**  
Past Due CRP Charges **\$25.00**  
Current CRP Charges **\$25.00**

**ENERGY USAGE SNAPSHOT**



Average Daily Cost	Average Daily Temperature
\$0.81	56° Current Month   Compared to 58° prior year
Current Month	Usage Over Last Year
Compared to \$0.81 prior year	68 Ccf* Monthly Average   810 Ccf Total
	CCF = approx. 1 hour of heat
	*See terms on pg. 2

**MESSAGE CENTER**



**Smart Thermostat Rebates**

Use a mobile device to control energy costs while at home or on the go. Check eligibility requirements at PGW EnergySense.

Shop PGW Marketplace: [PGWorks.com](http://PGWorks.com)



Pay Online [www.pgworks.com](http://www.pgworks.com)



Pay By Phone (215) 235-1000 (English & Español)  
\*a convenience fee of \$2.95 will be applied



Pay With Cash (See Back For Details)



Please return this portion with your payment. Write your account number on your check or money order made payable to Philadelphia Gas Works.

Please Pay <b>\$50.00</b>	Due By <b>06/06/2022</b>
Account Number:	
\$ <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	

Thank you!



Philadelphia Gas Works  
P.O. Box 11700  
Newark, NJ 07101-4700





Attachment CAUSE-PA-III-9 - Min. Bills

**PHONE**

Gas Leaks & Emergencies (24/7)	(215) 235-1212
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Report Theft of Gas (24/7)	(215) 684-6383

**Service Centers (9AM TO 5PM)** M T W Th F

Germantown	212 W. Cheltenham Ave.		✓	✓	✓
S. Philadelphia	1601 S. Broad St.	✓		✓	✓
Frankford	4410 Frankford Ave.		✓		✓
N. Philadelphia	1337 W. Erie Ave.	✓		✓	✓
W. Philadelphia	5230 Chestnut St.	✓	✓	✓	✓

**TERMS**

How's my gas measured?

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**DOLLAR GENERAL**

**FAMILY DOLLAR**

**CVS**



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Five dollar (\$5.00) minimum payment required with barcode. Barcode must be presented at time of payment. Participating vendors will only accept cash with barcode. Payments made with barcode must be made before 6:00 p.m. in order to post to account the same day. Payments made with barcode while termination of service is in progress will not serve to stop termination of service. For eligible accounts only.

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PHILADELPHIA GAS WORKS  
**GAS LEAK EMERGENCIES: (215) 235-1212**

Attachment CAUSE-PA-III-9 - Min. Bills



Access Your Account Online [www.pgworks.com](http://www.pgworks.com)



Billing & General Information (215) 235-1000 (English & Español)

| SA ID:

Residential Heat & Domestic **BREAK**

**DOWN OF CHARGES**

Supply Charges

Commodity Charge 49 Ccf @ \$0.60364 \$29.58

**Total Supply Charges \$29.58**

Delivery Charges

Customer Charge @ \$14.90 \$14.90

Distribution Charge 49 Ccf @ \$0.92843 \$45.49

Distribution System Improvement Charge 7.5% \$4.53

Gas Cost Adjustment @ -\$0.01809 -\$0.89

Weather Normalization Adjustment -\$3.33

**Total Delivery Charges \$60.70**

CRP Discount -\$65.28

**Total CRP Charges \$25.00**

**CRP INFORMATION**

CRP Agreement Status: **ACTIVE**  
 CRP Agreement Type: **\$25 MINIMUM**

**METER DETAILS**

Meter Number:  
 Read Cycle: 04  
 Read Dates: 04/08/2022 - 05/09/2022  
 Starting Read: 4208 Actual  
 Ending Read: 4257 Actual  
 Usage in CCF: 49.00  
 Conversion Factor: 1.0327 Therm = 1 Ccf  
 Usage in Therms: 50.60  
 Next Meter Read: 06/08/2022

**SHOPPING INFORMATION BOX**

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PGW Account:  
 Service Point ID:  
 Rate Class: General Service Residential  
 Rate Schedule: GSR

*If you are already shopping know your contract expiration date.*

**ACCOUNT BALANCE INFORMATION**

Your account balance is \$103.77, which will become due if you fail to meet the terms of your agreement.

THINK YOU SMELL GAS?

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GAS LEAK EMERGENCIES: (215) 235-1212

Attachment CAUSE-PA-III-9 - Min. Bills



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Billing & General Information (215) 235-1000 (English & Español)



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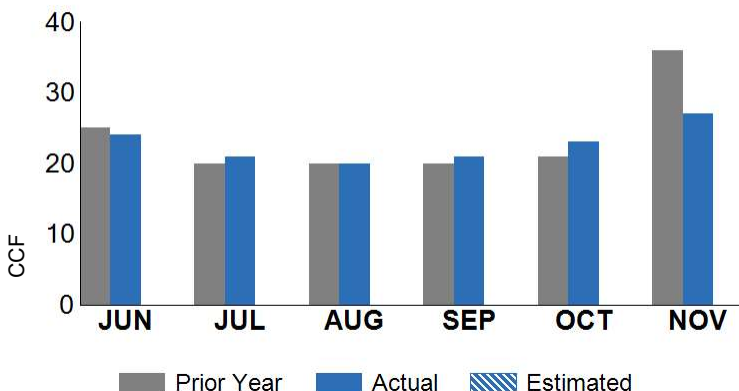
**Account Number:**



Please Pay **\$75.00**  
Due By **12/01/2022**

Billing Date NOV 05, 2022  
Service From 10/06/2022 - 11/03/2022  
Past Due CRP Charges \$50.00  
Current CRP Charges \$25.00

**ENERGY USAGE SNAPSHOT**



Average Daily Cost	Average Daily Temperature
\$0.89	58° Current Month   Compared to 62° prior year
Current Month	Usage Over Last Year
Compared to \$0.86 prior year	67 Ccf* Monthly Average   804 Ccf Total
	1 CCF = approx. 1 hour of heat
	*See terms on pg. 2

**MESSAGE CENTER**

**Get Up To \$1,000 To Pay Your Heating Bill** – Apply for LIHEAP: [PGWorks.com/LIHEAP](http://PGWorks.com/LIHEAP)

**Access PGW My Account to obtain efficiency information and historic billing data** on your PGW account. **Visit PGWorks.com**

*Read Our Latest Message to Customers: PGW's Commitment to Ratepayer Equity at PGWorks.com*



Pay Online [www.pgworks.com](http://www.pgworks.com)



Pay By Phone (215) 235-1000 (English & Español)  
\*a convenience fee of \$2.95 will be applied



Pay With Cash (See Back For Details)



Please return this portion with your payment. Write your account number on your check or money order made payable to Philadelphia Gas Works.

Please Pay <b>\$75.00</b>	Due By <b>12/01/2022</b>
Account Number:	
\$ <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	

*Thank you!*



Philadelphia Gas Works  
P.O. Box 11700  
Newark, NJ 07101-4700

**PHONE**

Gas Leaks & Emergencies (24/7)	(215) 235-1212
Residential Customer Service (8am to 6pm, M-F)	(215) 235-1000
Commercial Customer Service (8am to 4:30pm, M-F)	(215) 235-7077
Credit & Collections (8am to 4:30pm, M-F)	(215) 235-1777
Report Theft of Gas (24/7)	(215) 684-6383

**TERMS**

How's my gas measured?

**CCF** - 100 cubic feet of gas. This is a measure of gas usage. One CCF is about the amount of gas used to run an average-sized house heater nonstop for one hour.

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Other Helpful Terms

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Five dollar (\$5.00) minimum payment required with barcode. Barcode must be presented at time of payment. Participating vendors will only accept cash with barcode. Payments made with barcode must be made before 4:00 p.m. in order to post to account the same day. Payments made with barcode while termination of service is in progress will not serve to stop termination of service. For eligible accounts only.

**RIGHTS & OBLIGATIONS**

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**SUPPLIER INFORMATION**

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PHILADELPHIA GAS WORKS  
**GAS LEAK EMERGENCIES: (215) 235-1212**

Attachment CAUSE-PA-III-9 - Min. Bills



Access Your Account Online [www.pgworks.com](http://www.pgworks.com)



Billing & General Information (215) 235-1000 (English & Español)

| SA ID:

Residential Heat & Domestic

**BREAK DOWN OF CHARGES**

Supply Charges

Commodity Charge 27 Ccf @ \$0.88633 \$23.93

**Total Supply Charges \$23.93**

Delivery Charges

Customer Charge @ \$14.90 \$14.90

Distribution Charge 27 Ccf @ \$0.95721 \$25.84

Distribution System Improvement Charge 7.5% \$3.06

Gas Cost Adjustment @ \$0.01265 \$0.34

Weather Normalization Adjustment \$1.11

**Total Delivery Charges \$45.25**

CRP Discount -\$44.18

**Total CRP Charges \$25.00**

**CRP INFORMATION**

CRP Agreement Status: **DEFAULTED**  
 CRP Agreement Type: **\$25 MINIMUM**

**METER DETAILS**

Meter Number:  
 Read Cycle: 04  
 Read Dates: 10/06/2022 - 11/03/2022  
 Starting Read: 4366 Actual  
 Ending Read: 4393 Actual  
 Usage in CCF: 27.00  
 Conversion Factor: 1.0333 Therm = 1 Ccf  
 Usage in Therms: 27.89  
 Next Meter Read: 12/05/2022

**SHOPPING INFORMATION BOX**

When shopping for Natural Gas with a Natural Gas Supplier, please provide the following:

PGW Account:  
 Service Point ID:  
 Rate Class: General Service Residential  
 Rate Schedule: GSR

*If you are already shopping know your contract expiration date.*

**ACCOUNT BALANCE INFORMATION**

Your account balance is \$108.59, which will become due if you fail to meet the terms of your agreement.

THINK YOU SMELL GAS?

Leave the area and call (215) 235-1212.

Our Emergency Hotline is available 24 hours a day, 7 days a week.

**PGW Messages**

✉ Your estimated gas price to Compare (PTC) is \$0.89999 per CCF. This estimated PTC was calculated by averaging PGW's quarterly PTC over 12 months and is subject to change every quarter. For a more accurate PTC please visit [pagasswitch.com](http://pagasswitch.com)

Questions or complaints about your bill?  
 Please call us before the due date at (215) 235-1000, or write to: PGW P.O. Box 3500, Phila., PA 19122-0050



PHILADELPHIA GAS WORKS  
GAS LEAK EMERGENCIES: (215) 235-1212

Attachment CAUSE-PA-III-9 - Min. Bills



Access Your Account Online [www.pgworks.com](http://www.pgworks.com)



Billing & General Information (215) 235-1000 (English & Español)



**Hello ,**

Thank you for participating in the Customer Responsibility Program (CRP).

**Account Number:**

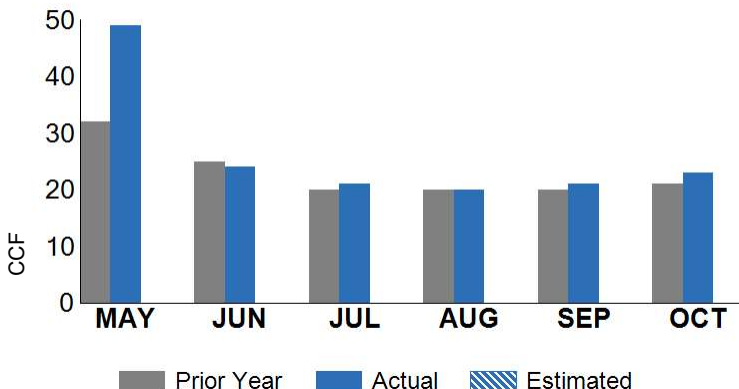


Please Pay **\$50.00**  
Due By **11/01/2022**

Billing Date **OCT 08, 2022**  
Service From **09/07/2022 - 10/06/2022**  
Past Due CRP Charges **\$25.00**  
Current CRP Charges **\$25.00**

**Thank you for your payment of \$50.00**

**ENERGY USAGE SNAPSHOT**



Average Daily Cost	Average Daily Temperature
\$0.86	68° Current Month   Compared to 71° prior year
Current Month	Usage Over Last Year
Compared to \$0.86 prior year	68 Ccf* Monthly Average   813 Ccf Total
	1 CCF = approx. 1 hour of heat
	*See terms on pg. 2

**MESSAGE CENTER**

**Sign up for a PGW My Account**

[PGWorks.com/MyAccount](http://PGWorks.com/MyAccount)



Manage Your Account



Easy to Navigate Dashboards



Secure Billing & Payments



Rebates & Incentives

Available to all customers.



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Pay With Cash (See Back For Details)



Please return this portion with your payment.  
Write your account number on your check or money order made payable to Philadelphia Gas Works.

<b>Please Pay</b> <b>\$50.00</b>	<b>Due By</b> <b>11/01/2022</b>
<b>Account Number:</b>	
\$ <input type="text"/> , <input type="text"/> <input type="text"/> <input type="text"/> , <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	

*Thank you!*



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[Other Helpful Terms](#)

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PHILADELPHIA GAS WORKS  
**GAS LEAK EMERGENCIES: (215) 235-1212**

Attachment CAUSE-PA-III-9 - Min. Bills



Access Your Account Online [www.pgworks.com](http://www.pgworks.com)



Billing & General Information (215) 235-1000 (English & Español)

| SA ID:

Residential Heat & Domestic **BREAK**

**DOWN OF CHARGES**

Supply Charges

Commodity Charge 23 Ccf @ \$0.88633 \$20.39  
**Total Supply Charges \$20.39**

Delivery Charges

Customer Charge @ \$14.90 \$14.90  
 Distribution Charge 23 Ccf @ \$0.95721 \$22.02  
 Distribution System Improvement Charge 7.5% \$2.77  
 Gas Cost Adjustment @ \$0.01265 \$0.29  
 Weather Normalization Adjustment -\$0.38

**Total Delivery Charges \$39.60**

CRP Discount -\$34.99

**Total CRP Charges \$25.00**

**CRP INFORMATION**

CRP Agreement Status: **ACTIVE**  
 CRP Agreement Type: **\$25 MINIMUM**

**METER DETAILS**

Meter Number:  
 Read Cycle: 04  
 Read Dates: 09/07/2022 - 10/06/2022  
 Starting Read: 4343 Actual  
 Ending Read: 4366 Actual  
 Usage in CCF: 23.00  
 Conversion Factor: 1.0326 Therm = 1 Ccf  
 Usage in Therms: 23.74  
 Next Meter Read: 11/03/2022

**SHOPPING INFORMATION BOX**

When shopping for Natural Gas with a Natural Gas Supplier, please provide the following:

PGW Account:  
 Service Point ID:  
 Rate Class: General Service Residential  
 Rate Schedule: GSR

*If you are already shopping know your contract expiration date.*

**PAYMENTS RECEIVED**

09/21/2022 Cred Card \$50.00  
**Total Payments \$50.00**

**ADJUSTMENT DETAIL**

Adjustments for SA ID #

CRP Forgiveness Nbr Mnths 2 Per Mon Amt: 30.00 -\$20.18  
**Total Adjustments -\$20.18**

**ACCOUNT BALANCE INFORMATION**

Your account balance is \$83.59, which will become due if you fail to meet the terms of your agreement.



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Billing & General Information (215) 235-1000 (English & Español)



**Hello ,**  
Thank you for participating in the Customer Responsibility Program (CRP).

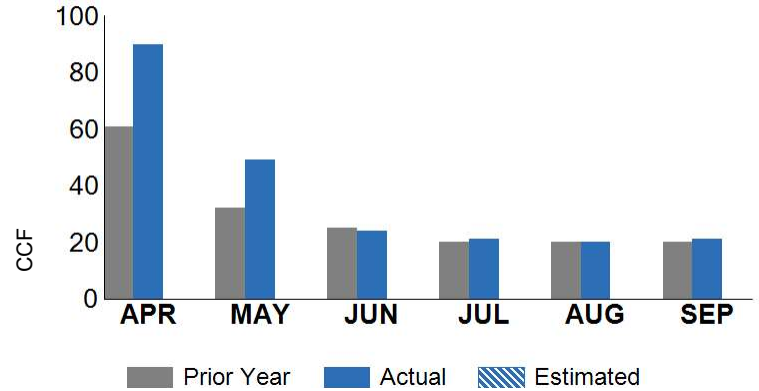
**Account Number:**



Please Pay **\$75.00**  
Due By **10/04/2022**

Billing Date SEP 09, 2022  
Service From 08/08/2022 - 09/07/2022  
Past Due CRP Charges \$50.00  
Current CRP Charges \$25.00

**ENERGY USAGE SNAPSHOT**



Average Daily Cost  
\$0.83  
Current Month  
Compared to \$0.76 prior year

Average Daily Temperature  
80° Current Month | Compared to 79° prior year  
Usage Over Last Year  
68 Ccf\* Monthly Average | 811 Ccf Total  
1 CCF = approx. 1 hour of heat  
*\*See terms on pg. 2*

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<b>Account Number:</b>	
\$ <input type="text"/> , <input type="text"/> <input type="text"/> <input type="text"/> , <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/>	

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PHILADELPHIA GAS WORKS  
**GAS LEAK EMERGENCIES: (215) 235-1212**

Attachment CAUSE-PA-III-9 - Min. Bills



Access Your Account Online [www.pgworks.com](http://www.pgworks.com)



Billing & General Information (215) 235-1000 (English & Español)

| SA ID:

Residential Heat & Domestic **BREAK**

**DOWN OF CHARGES**

Supply Charges

Commodity Charge 16.1 Ccf @ \$0.95315 \$15.35  
**Total Supply Charges \$15.35**

Delivery Charges

Customer Charge @ \$14.90 \$11.42  
 Distribution Charge 16.1 Ccf @ \$0.9739 \$15.68  
 Distribution System Improvement Charge 7.5% \$2.03  
 Gas Cost Adjustment @ -\$0.01598 -\$0.26  
**Total Delivery Charges \$28.87**  
 CRP Discount -\$25.05

Supply Charges

Commodity Charge 4.9 Ccf @ \$0.88633 \$4.34  
**Total Supply Charges \$4.34**

Delivery Charges

Customer Charge @ \$14.90 \$3.48  
 Distribution Charge 4.9 Ccf @ \$0.95721 \$4.69  
 Distribution System Improvement Charge 7.5% \$0.61  
 Gas Cost Adjustment @ \$0.01265 \$0.06  
**Total Delivery Charges \$8.84**  
 CRP Discount -\$7.35

**Total CRP Charges \$25.00**

**CRP INFORMATION**

CRP Agreement Status: **DEFAULTED**  
 CRP Agreement Type: **\$25 MINIMUM**

**METER DETAILS**

Meter Number:  
 Read Cycle: 04  
 Read Dates: 08/08/2022 - 09/07/2022  
 Starting Read: 4322 Actual  
 Ending Read: 4343 Actual  
 Usage in CCF: 21.00  
 Conversion Factor: 1.033 Therm = 1 Ccf  
 Usage in Therms: 21.69  
 Next Meter Read: 10/06/2022

**SHOPPING INFORMATION BOX**

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 Service Point ID:  
 Rate Class: General Service Residential  
 Rate Schedule: GSR  
*If you are already shopping know your contract expiration date.*

**ACCOUNT BALANCE INFORMATION**

Your account balance is \$128.77, which will become due if you fail to meet the terms of your agreement.

**THINK YOU SMELL GAS?**

It smells like rotten eggs


**Leave the area and call (215) 235-1212.**

Our Emergency Hotline is available 24 hours a day, 7 days a week.

**VERIFICATION**

I, Denise Adamucci, hereby state that: (1) I am the Senior Vice President for Customer & Regulatory Affairs for Philadelphia Gas Works (“PGW”); (2) the facts set forth in the attached discovery responses which I am sponsoring are true and correct to the best of my knowledge, information and belief; and (3) I expect to be able to prove the same at a hearing held in this matter. I understand that the statements herein are made subject to the penalties of 18 Pa. C.S. § 4904 (relating to unsworn falsification to authorities).

Date: May 19, 2023

  
\_\_\_\_\_  
Denise Adamucci  
Senior Vice President for Customer & Regulatory Affairs  
Philadelphia Gas Works

**BEFORE THE PENNSYLVANIA PUBLIC UTILITY COMMISSION**

Pennsylvania Public Utility Commission	:	Docket Nos.	R-2022-3034229
	:		P- 2022-3034264
v.	:		
	:		
Philadelphia Gas Works	:		

DIRECT TESTIMONY OF HARRY S. GELLER, ESQ.

ON BEHALF OF

THE COALITION FOR AFFORDABLE UTILITY SERVICES AND  
ENERGY EFFICIENCY IN PENNSYLVANIA (“CAUSE-PA”)

April 13, 2023

1                   **PREPARED DIRECT TESTIMONY OF HARRY S. GELLER**

2           **I.       INTRODUCTION**

3   **Q:     Please state your name, occupation, and business address.**

4   A:     My name is Harry S. Geller. I am an attorney. I am retired as the Executive Director of the  
5   Pennsylvania Utility Law Project (PULP), but have maintained an office at 118 Locust St.,  
6   Harrisburg, PA 17101 for the purpose of providing consulting services and assistance to low  
7   income individuals and the organizations which represent them in utility and energy matters.

8   **Q:     Briefly outline your education and professional background.**

9   A:     I received my B.A. degree from Harpur College, State University of New York at  
10   Binghamton in 1966, and a J.D. degree from Washington College of Law, American University in  
11   1969. Upon graduation from law school, I worked at several organizations dedicated to serving  
12   low income households. In 1988, I was hired to be the Executive Director of PULP, a statewide  
13   legal aid project dedicated to protecting the rights of low income utility customers. At PULP, I  
14   represented low income individuals to resolve issues impacting their ability to maintain energy  
15   and utility services to their home and supported organizations advocating for improved utility  
16   access and affordability. I also consulted and co-counseled on a wide variety of individual utility  
17   consumer cases, and participated in multiple task forces, work groups and advisory panels,  
18   including serving as chair of the Department of Human Services' LIHEAP Advisory Committee  
19   and the Pennsylvania Public Utility Commissions' Consumer Advisory Committee. I frequently  
20   trained communities, legal aid staff, and advocacy groups across Pennsylvania on a range of utility  
21   and energy matters affecting Pennsylvania's low income population. I retired from PULP on June  
22   30, 2015. Since that time, I have continued to provide consulting services for PULP and its clients,



1 as well as other organizations serving the low income community. In sum, I have over 50 years'  
2 experience working on behalf of households in poverty, including the past 30 years focusing  
3 specifically on utility and energy issues affecting low income consumers. My resume is attached  
4 as Appendix A.

5 **Q: Please describe the focus of your work over the past fifty years, including relevant**  
6 **work experience on issues of low income families' ability to afford essential services such as**  
7 **utilities?**

8 A: Through the entirety of my career, I have represented low income individuals and  
9 organizations serving low income populations in a wide variety of legal matters, including family  
10 law, public benefits, unemployment compensation, utility shut-offs, debtor/creditor, and housing-  
11 related disputes. Over the past 30 years, my focus has been to ensure that low income households  
12 can connect to, afford, and maintain utility and energy services.

13 In all of these legal matters, I worked almost exclusively on behalf of individuals and  
14 households that subsist on incomes at or below 150% of the Federal Poverty Level (FPL). Through  
15 this work, I have had a close view of the daily lives of countless of our poorest citizens. I have  
16 spent thousands of hours assisting clients, combing through their budgets to see whether it is even  
17 possible to make ends meet. Over the years, I have consistently seen the near total absence of the  
18 ability of low income families to afford the most basic monthly necessities with the incomes they  
19 have, even assuming heroic self-control and conscientious budgeting and spending. Every month,  
20 my clients faced the stark reality of having to choose which bills they can forgo with the least  
21 drastic consequences.

1 **Q: Have you testified in any proceeding before the Pennsylvania PUC?**

2 A: Yes. I have presented testimony in many proceedings before the PUC. A complete list is  
3 included in my resume, which is attached as Appendix A.

4 **Q: For whom are you testifying in this proceeding?**

5 A: I am testifying on behalf of the Coalition for Affordable Utility Services and Energy  
6 Efficiency in Pennsylvania (CAUSE-PA).

7 **Q: What is the purpose of your testimony?**

8 A: CAUSE-PA intervened in this proceeding to ensure that PGW's low income customers are  
9 protected from the adverse impacts of PGW's WNA, especially regarding the potential impacts of  
10 rate spikes such as May 2022. CAUSE-PA is concerned about the effects of PGW's WNA on its  
11 low income customers' ability to maintain gas service by shifting the financial risk of warming  
12 weather onto residential customers. In addition to compliance with sound rate making principles,  
13 including the requirement that rates be just and reasonable, PGW must also ensure rates are  
14 affordable and accessible to those served. Excessive charges levied through ratemaking  
15 mechanisms such as PGW's WNA fall hardest on low income families, exacerbating existing  
16 disparities in payment trouble and termination rates across low income customer groups.

17 **II. SUMMARY OF PGW'S WNA**

18 **Q: Please briefly describe PGW's WNA?**

19 A: PGW's WNA is an automatic bill adjustment applied from October 1 through May 31 each  
20 year.<sup>1</sup> It adjusts customer bills based upon the degree to which actual weather in the service

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<sup>1</sup> PGW St. 1 at 5.

1 territory varies from “normal” temperatures.<sup>2</sup> When the weather is colder than normal, customers  
 2 receive a credit; when it is warmer than normal, they are assessed a surcharge. The premise of the  
 3 WNA is based on the fact that average usage - regardless of individual usage – will be lower in  
 4 warm weather and higher in cold weather, and is an alternative ratemaking feature designed to  
 5 help increase revenue predictability for the utility – passing the risk of fluctuating temperatures  
 6 from the utility to the consumer.

7 **Q: What is the practical effect of PGW’s WNA?**

8 A: PGW’s WNA has resulted in consistently (and increasingly) higher charges for consumers  
 9 year-over-year. PGW asserts that the purpose of the WNA is to balance out the effects of abnormal  
 10 weather and stabilize revenue,<sup>3</sup> but in practice it has shifted the financial risk of increasingly warm  
 11 weather from PGW onto its customers.

12 PGW’s distribution rates are based on expected throughput during normal weather. When  
 13 temperatures are warmer than normal, which they have been for the last several years, the WNA  
 14 results in a higher bill for residential customers. Table 1 shows the annual WNA charges and  
 15 credits assessed to PGW customers since PGW began reporting on the current iteration of the  
 16 WNA as amended in its 2017 rate case.

17 **Table 1 - PGW WNA Annual Charges/Credits<sup>4</sup>**

18

Fiscal Year	Total WNA Charge (Credit)
2017-2018	(\$3,805,874)
2018-2019	\$1,595,837
2019-2020	\$10,789,328
2020-2021	\$11,761,938
2021-2022	\$23,159,935

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<sup>2</sup> Id.

<sup>3</sup> PGW St.1 at 5

<sup>4</sup> CAUSE-PA to PGW I-14.

1 Over the past five years, PGW customers have paid a net total of approximately \$43.5 million in  
2 WNA charges – and, annually, the total charges have increased exponentially year over year as  
3 average temperatures have increased. While PGW has not provided data prior to the 2017-2018  
4 fiscal year,<sup>5</sup> suffice to say based on five years of data, the WNA has worked to the benefit of PGW  
5 and the detriment of consumers.

6 **III. IMPACT ON LOW INCOME HOUSEHOLDS**

7 **Q: What level of income qualifies a household as “low income”?**

8 A: Section 62.2 of the Commission’s regulations defines the term “low-income customer” as  
9 “A residential utility customer whose gross household income is at or below 150% of the Federal  
10 poverty guidelines.”<sup>6</sup> The federal poverty guidelines (or federal poverty level (FPL)) is a measure  
11 of poverty based exclusively on the size of the household, not the composition of the household  
12 (of the number of adults or children) or geographic location. A family of four at 150% FPL has a  
13 gross annual income of just \$45,000.<sup>7</sup> This is insufficient income to support a family of this size  
14 and is substantially less than a household this size needs to meet their basic expenses in PGW’s  
15 service territory.<sup>8</sup>

16 The Commission’s definition of “low income customer” does not encompass all those  
17 whose income is inadequate to afford basic needs. To assess actual levels of economic hardship  
18 across a given region, poverty experts often use the Self Sufficiency Standard - a benchmark  
19 developed to determine how much income a household needs to afford life’s most basic necessities  
20 (food, rent, clothing, medicine/medical care, childcare, utilities, transportation, and taxes) without

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<sup>5</sup> CAUSE-PA to PGW I-14.

<sup>6</sup> 52 Pa. Code § 62.2.

<sup>7</sup> U.S. Dept. of Health and Human Services, 2023 U.S. Federal Poverty Guidelines, available at <https://aspe.hhs.gov/topics/poverty-economic-mobility/poverty-guidelines>

<sup>8</sup> Self Sufficiency Standard, <http://www.selfsufficiencystandard.org/Pennsylvania>.

1 assistance.<sup>9</sup> Unlike the federal poverty level, which does not change based on geographic location  
2 or family composition, the Self Sufficiency Standard measures the income necessary to meet a  
3 family’s basic needs based average costs at the county level. In 2021, the Self Sufficiency Standard  
4 for a family of four (two adults and two school-aged children) living in Philadelphia was \$61,533.  
5 This is \$16,533 more than a four-person household with income at 150% FPL makes in a given  
6 year.<sup>10</sup>

7 Most of PGW’s confirmed low income customers do not have income that is anywhere  
8 close to the Self Sufficiency standard in Philadelphia – or, for that matter, the Commission’s low  
9 income threshold at 150% FPL. As of February 28, 2023, the *average* household income of a low  
10 income customer enrolled in PGW’s Customer Assistance Program (CAP) (known as CRP) was  
11 just \$13,675 - well below the amount needed to be self-sufficient and live without financial  
12 assistance.<sup>11</sup>

13 **Q: How many low income consumers reside in PGW’s service territory?**

14 A: PGW has confirmed that nearly one in four (24%) of its customers are low income and  
15 estimates over one in three (38%) to be low income.<sup>12</sup>

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<sup>9</sup> Id.

<sup>10</sup> See id. (2021 Pennsylvania Data Set).

<sup>11</sup> CAUSE-PA to PGW I-6. PGW does not track detailed income information for all of its confirmed low income customers, and was only able to provide average income data for confirmed low income customers enrolled in its Customer Assistance Program (CAP). CAUSE-PA to PGW I-5.

<sup>12</sup> PGW tracks its low-income customer population in two ways. First, an “estimated low-income customer” count, which uses census data and PGW’s residential customer count to estimate the likely number of customers in UGI’s service territory with low income. Second, a “confirmed low-income customer” count, which includes only those customers from whom PGW has obtained information documenting low income or who PGW has identified as receiving LIHEAP. As of December 2021 (the most recent date currently available), PGW reported having 187,901 estimated low income customers (approximately 38% of its residential customer base) and 117,782 confirmed low income customers (approximately 24% of its residential customer base). CAUSE-PA to PGW I-1, I-2, & I-3.

1 **Q: How does the WNA affect PGW’s low income customers?**

2 A: The WNA places unjust and unreasonable additional financial strain on low income  
3 families. Over the last five years, PGW’s WNA has consistently charged customers more than they  
4 would have paid if the WNA were not applied. Low income families already struggle to make ends  
5 meet each month and are often forced to choose between critical necessities. The additional cost  
6 of the WNA charge inappropriately contributes to their inability to afford service and further  
7 impacts their ability to afford other necessities like food and medicine.

8 Low income customers are far more likely than other residential consumers to be payment  
9 troubled<sup>13</sup> and experience substantially higher rates of service termination due to inability to pay.<sup>14</sup>  
10 As of December 2021, 60% of PGW’s payment troubled customers were confirmed low income,  
11 despite the fact that confirmed low income customers make up 24% of PGW’s residential  
12 customers.<sup>15</sup> In 2021, 3.2% of PGW’s residential customers were terminated versus 6.8% of  
13 PGW’s confirmed low income customers.<sup>16</sup> In other words, PGW’s confirmed low income  
14 customers are more than twice as likely to be terminated for nonpayment.

15 According to the United States Census Bureau Household Pulse Survey, as of March 2023,  
16 23% of Pennsylvanians reported that they were unable to afford their energy bills at least once  
17 over the last 12 months.<sup>17</sup> Energy unaffordability is even more pronounced in the city of  
18 Philadelphia, where the poverty rate is nearly double the statewide poverty rate. In Philadelphia,

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<sup>13</sup> CAUSE-PA to PGW I-7. The Commission defines “payment troubled” as “a household that has failed to maintain one or more payment arrangements in a 1-year period.” 52 Pa. Code § 54.72.

<sup>14</sup> CAUSE-PA to PGW I-9, 10, 11, 12.

<sup>15</sup> CAUSE-PA to PGW I-7 (out of PGW’s 29,399 payment troubled customers, 17,691 (60%) were confirmed low income.).

<sup>16</sup> 2021 Universal Service Report at 15-16.

<sup>17</sup> United States Census Bureau, Household Pulse Survey Interactive Tool, available at: [https://www.census.gov/data-tools/demo/hhp/#/?s\\_state=00042&measures=ENERGYBILL](https://www.census.gov/data-tools/demo/hhp/#/?s_state=00042&measures=ENERGYBILL) .

1 22.8%<sup>18</sup> of residents live in poverty, versus 12.1% statewide and 12.8% nationwide.<sup>19</sup> In  
2 Philadelphia, 34.2% of children live in poverty, which is double the statewide rate of 16.9%, and  
3 21.2% of Philadelphia senior citizens live in poverty, double the statewide rate of 9.6%.<sup>20</sup>

4 Energy unaffordability has a profound impact on families – causing many to forego food,  
5 medicine, and other basic necessities in order to maintain energy services to their home. According  
6 to the Energy Information Administration (EIA) Residential Energy Consumption Survey released  
7 in 2022, 27.2% of United States residents reported experiencing energy insecurity; 19.9% reported  
8 reducing or forgoing food or medicine to pay for energy costs; and 10% reported leaving their  
9 homes at unhealthy temperatures because they could not afford to pay for energy.<sup>21</sup> Considering  
10 the disproportionately high rate of poverty in the city of Philadelphia, it is imperative that all  
11 necessary measures be taken to alleviate energy insecurity and limit unnecessary additional costs  
12 such as the WNA charge.

13 Every dollar of added cost from the WNA disproportionately impacts low income  
14 customers' ability to afford basic necessities. Low income customers need to retain every ability  
15 to realize bill savings due to reduced usage, including reduced usage due to changing weather  
16 patterns. As average temperatures rise, consumers already face rising costs for summer cooling  
17 and should not be required to pay for gas they don't use in the winter due to warming temperatures.  
18 This is especially true in what had been the traditional "shoulder" months such as April, May,  
19 October, and November which PGW includes within its WNA period. Notably, none of these

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<sup>18</sup> United States Census Bureau, 2021 American Community Survey 1-Year Estimates, available at:  
<https://data.census.gov/table?q=poverty+in+Philadelphia+city,+Pennsylvania&tid=ACSST1Y2021.S1701> .

<sup>19</sup> United States Census Bureau, 2021 American Community Survey 1-Year Estimates, available at:  
<https://data.census.gov/table?q=poverty+Pennsylvania> .

<sup>20</sup> United States Census Bureau, 2021 American Community Survey 1-Year Estimates, available at:  
<https://data.census.gov/table?q=poverty+philadelphia+city> .

<sup>21</sup> United States Energy Information Administration, 2020 Residential Energy Consumptions Survey, Table HC11.1 Household energy insecurity, 2020 available at:  
<https://www.eia.gov/consumption/residential/data/2020/hc/pdf/HC%2011.1.pdf> .



1 months are included in the winter low income termination moratorium. As a result of consistent  
2 warming trends, customers may now be faced with cooling costs on top of a WNA charge.  
3 Warming trends also affect summer months.<sup>22</sup> Although cooling costs run through the electric bill  
4 and don't affect customers' PGW bill, hotter summers are causing consumers to shoulder greater  
5 cooling costs over a longer period of months – which is in turn falling hardest on low income  
6 households. As average temperatures continue to rise, low income customers are facing higher  
7 bills due to both higher electric usage in summer and WNA charges in winter and shoulder months.  
8 In short, PGW's WNA is serving to unjustly inflate combined household energy burdens,  
9 exacerbating existing disparities in energy burdens experienced by low income communities and  
10 communities of color.

11 Philadelphia is part of the warmest region in the state,<sup>23</sup> and residents are already  
12 experiencing warming weather.<sup>24</sup> The hottest neighborhoods are more likely to be low-income  
13 communities and communities of color.<sup>25</sup> Therefore, low income consumers in Philadelphia  
14 already bear the burden of warming temperatures and increased summer cooling costs, which will  
15 continue to rise substantially as warming trends continue.<sup>26</sup> Many low income communities  
16 experience disproportionately warmer summer temperatures due to heat islands, further  
17 exacerbating the compounding nature of the WNA with rising cooling costs. In Philadelphia, the  
18 increase in average temperature is projected to raise annual air conditioning costs in the city by  
19 \$1,000,000 annually.<sup>27</sup> These costs will not be incurred equally, with the electricity costs

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<sup>22</sup> See CAUSE-PA to PGW I-16, Attach.

<sup>23</sup> See Pennsylvania Low Income Home Energy Assistance Program, 2022 Proposed State Plan, Appendix A “Heating Region”.

<sup>24</sup> See Philadelphia Office of Sustainability, Climate Action Playbook at 10 (Jan. 2021), available at: <https://www.phila.gov/media/20210113125627/Philadelphia-Climate-Action-Playbook.pdf>.

<sup>25</sup> Id.

<sup>26</sup> Id.

<sup>27</sup> Id.

1 associated with more cooling needs burdening low income residents who spend a higher  
2 percentage of their income on energy bills.<sup>28</sup>

3 Low income customers simply cannot afford to pay for gas that they do not use, and it is  
4 both unjust and unreasonable to assess a charge for gas that low income households are not using  
5 as a result of warming temperatures. The additional WNA charge added to residential bills in  
6 warmer than normal months can add substantial additional cost to residential bills, exacerbating  
7 energy insecurity for thousands of low income families in PGW’s service territory. Even excluding  
8 PGW’s May 2022 WNA rate spike, the average monthly residential WNA rate charge was  
9 frequently between \$10-\$20,<sup>29</sup> and in some billing cycles reached more than \$100.<sup>30</sup> As stated  
10 above, the average income for a PGW CRP customer is \$13,675 – or \$1,140 per month,<sup>31</sup> meaning  
11 these customers could pay 10% or more of their monthly income for the WNA charge alone.

12 On the rare occasion that the WNA results in credits for a customer, those credits are far  
13 less in comparison to the charges levied in other months. During the 2021-2022 fiscal year, bill  
14 credits were infrequent, and the highest average monthly residential WNA bill credit was just  
15 (\$5.01).<sup>32</sup>

16 The WNA also appears to have a perverse impact on energy efficiency and conservation  
17 efforts – imposing larger WNA charges on consumers who are able to reduce consumption through  
18 installation of energy efficiency measures.<sup>33</sup> This impact has a particularly unjust impact on  
19 PGW’s low income customers who are able to substantially reduce high consumption through  
20 participation in the Low Income Usage Reduction Program (LIURP). While a warmer than normal

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<sup>28</sup> Id.

<sup>29</sup> OCA to PGW I-5, Attach.

<sup>30</sup> CAUSE-PA to PGW I-17, Attach.

<sup>31</sup> CAUSE-PA to PGW I-6.

<sup>32</sup> OCA to PGW I-5, Attach.

<sup>33</sup> CAUSE-PA to PGW I-19.

1 month may cause a customer to reduce their usage, a household may have additional reduced usage  
2 due to recently adopted energy efficiency measures. PGW has not explained how or whether its  
3 WNA mechanism accounts for consumer adoption of energy efficiency measures in assessing  
4 WNA charges due to decreased usage, nor has it explained why its WNA results in  
5 disproportionately higher charges for some consumers. I am concerned that PGW's WNA not only  
6 erodes the bill savings achievable through careful energy efficiency and conservation, but may  
7 also impose disproportionately high WNA charges for households that have significantly reduced  
8 their consumption for reasons other than changing weather – such as installation of energy efficient  
9 equipment. Assessing a higher WNA charge on customers that have expended time and resources  
10 to adopt energy efficient appliances and home efficiency upgrades is fundamentally unfair and is  
11 uniquely harmful to low income consumers who rely on the ability to reduce consumption as a  
12 strategy to maintain service in their home.

13 The WNA falls consistently in favor of PGW at the expense of consumers, resulting in lost  
14 savings from reduced consumption and undermining incentives for consumers to reduce gas  
15 consumption through efficiency and conservation. Excessive charges levied through PGW's WNA  
16 necessarily fall hardest on low income families – exacerbating existing disparities in payment  
17 trouble and termination rates across low income customer groups. It is unjust and unreasonable  
18 to require struggling low income customers to use their limited resources to pay for gas they did  
19 not use.

20 **Q: Are Customer Responsibility Program (CRP) participants protected from the**  
21 **additional cost of WNA charges?**

22 A: Some, yes, but many CRP customers are still assessed a WNA charge or a portion thereof.  
23 PGW's CRP program bills customers two ways. Some CRP customers are charged a fixed amount

1 each month, based on a percentage of their income, while others pay according to their average  
2 bill amount.<sup>34</sup> CRP customers who pay according to a percentage of income are insulated from the  
3 cost of the WNA (although that cost is passed on through the universal service rider and born by  
4 other ratepayers on top of their own WNA charges).<sup>35</sup> CRP customers who pay according to their  
5 average bill are charged the full WNA. Notably, PGW does not adjust CRP rates each month to  
6 ensure it is charging CRP participants the most advantageous rate. As such, WNA charges can  
7 cause CRP customers with the average bill rate to be charged rates in excess of the maximum  
8 energy burden standards established in PGW's most recently approved Universal Service and  
9 Energy Conservation Plan (USECP).

10 In 2024, PGW will implement a quarterly CRP rate adjustment process, assessing whether  
11 the percentage of income or average bill rate is more advantageous and adjusting the rate  
12 accordingly.<sup>36</sup> If the WNA were assessed during PGW's quarterly CRP rate reassessment, the  
13 WNA could cause the CRP participant to pay a higher rate for several months until the next  
14 quarterly adjustment. Application of the WNA in this way results in patently unjust and  
15 unreasonable rates for PGW's low income customers and could contribute to inflated universal  
16 service costs borne by other residential ratepayers.

17 **IV. MAY 2022 WNA RATE SPIKE**

18 **Q: What happened regarding PGW's WNA in May 2022?**

19 A: In May 2022, a warm weather event caused PGW's WNA to levy excessively high charges  
20 on residential customers amounting to over \$12.6 million in WNA charges billed in a single

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<sup>34</sup> CAUSE-PA to PGW I-21.

<sup>35</sup> PGW Tariff at 81.

<sup>36</sup> Philadelphia Gas Works Universal Service and Energy Conservation Plan for 2023-2027, M-2021-3029323, Order on Reconsideration at 5-8 (Entered March 16, 2023).

1 month.<sup>37</sup> The average WNA charge assessed was \$21.68,<sup>38</sup> and 25,392 customers were assessed  
2 WNA charges over \$100.<sup>39</sup> PGW subsequently filed an Emergency Petition requesting to reverse  
3 the WNA charges for May 2022 and return \$12,645,000 to customers, which the Commission  
4 approved.<sup>40</sup> In its Emergency Order, the Commission ordered PGW to investigate the WNA  
5 formula, the inputs, and current information about weather trends affecting May, and required  
6 PGW to file a report with the Commission detailing the results of its investigation.<sup>41</sup> In its  
7 subsequent report, PGW asserted that the WNA was operating as intended; that the excessive  
8 charges levied in the May 2022 occurred as a result of warmer than normal weather; and that the  
9 charges were correctly calculated under the WNA.<sup>42</sup> In other words: The excessive charges which  
10 appeared on PGW’s mid to late May 2022 bills were caused by the rate mechanism operating  
11 according to its terms. This suggests that there is a structural flaw in PGW’s WNA that must be  
12 addressed to ensure customers do not see excessive charges in the future.

13 **Q: Aside from the reversal of charges approved through the Emergency Order, what**  
14 **corrective measures has PGW proposed?**

15 A: In the current proceeding, PGW proposes to address the issue by imposing a cap on the  
16 WNA that would limit WNA credits and charges to 25% of a customer’s “total delivery charges.”<sup>43</sup>  
17 Total delivery charges, include the Customer Charge plus the Distribution Charge, (including the  
18 Distribution System Improvement Charge), and if applicable, the Gas Adjustment Charge  
19 (including the Interruptible Revenue Credit).<sup>44</sup> Under PGW’s proposed cap, a customer with a

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<sup>37</sup> PGW St. 1 at 10-11.

<sup>38</sup> OCA to PGW I-5, Ex.

<sup>39</sup> CAUSE-PA to PGW I-17.

<sup>40</sup> See Petition of PGW for Emergency Order, P-2022-3033477, Ratification Order at 1-3 (“Emergency Order”).

<sup>41</sup> Emergency Order at 2-3.

<sup>42</sup> PGW St. 1 at 10; see also PGW WNA Report at 14.

<sup>43</sup> PGW St. 1 at 11-12.

<sup>44</sup> Id.

1 “total Bill Charge” (excluding WNA) of just \$36.96 would still face a maximum WNA charge of  
2 \$9.24 – an increase over actual, usage-based charges of 25%. (PGW Report at 12-13).

3 **Q: Is PGW’s proposal sufficient to protect customers from adverse consequences of the**  
4 **WNA?**

5 A: No. PGW’s proposed 25% cap on WNA charges does not remediate the financial strain or  
6 inherent inequity created by the WNA, as it will still result in significant additional charges for  
7 residential low income consumers – and may result in disproportionately higher charges for those  
8 who reduce their usage through comprehensive energy efficiency and conservation. Other than  
9 simplicity, PGW has failed to provide any rationale for implementation of the 25% cap.<sup>45</sup> PGW  
10 has failed to produce any data demonstrating how its proposed 25% cap will impact customers at  
11 various usage levels, so I am not able to fully assess the scope of ongoing financial harm.  
12 However, I am able to conclude that PGW’s WNA results in the imposition of inequitable and,  
13 thus, unjust and unreasonable rates – especially as applied to low income consumers.

14 In her direct testimony, PGW witness Denise Adamucci acknowledged that the 25% CAP  
15 is only proposed as an interim measure to prevent rate shock while the larger issues are worked  
16 out, but PGW has failed to offer an equitable solution, despite having over a year to develop a  
17 meaningful solution.<sup>46</sup> I understand from counsel that PGW has indicated that it may propose  
18 additional remedial measures as part of its pending base rate case.<sup>47</sup> However, in the meantime,  
19 PGW’s WNA will continue to operate in an unjust, unreasonable, and inequitable manner –  
20 exacerbating financial hardship for low income consumers, undermining energy efficiency, and  
21 causing consumers to bear the full risk of warming weather. The Commission should not allow

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<sup>45</sup> PGW St. 1 at 13-14.

<sup>46</sup> PGW St. 1 at 12-14.

<sup>47</sup> See PGW 2023 Rate Case, R-2023-3037933.

1 PGW to continue to utilize a mechanism which results in unjust and unreasonable rates and is  
2 unaffordable for its low income customers. The Commission should act now to cease operation of  
3 the WNA until PGW can develop a WNA that produces just, reasonable, and equitable results.

4 **Q: What do you recommend should be done to address the issues that you explained**  
5 **regarding its WNA?**

6 A: I recommend that the Commission order PGW to cease operation of its WNA . In my view,  
7 the increasingly and consistently warmer weather that has led to the millions of dollars in WNA  
8 charges each year should not be viewed as “abnormal” or an “anomaly.” PGW’s WNA, as  
9 constructed, is one-sided in favor of PGW and does not produce equitable results for PGW’s  
10 customers. The WNA produces an undue additional financial burden on low income customers,  
11 which they cannot afford to shoulder and from which they should be shielded.

12 PGW has failed to provide substantial evidence that its proposed 25% cap will produce just  
13 and reasonable rates. Until and unless PGW can produce a WNA formula that is balanced and  
14 equitable to customers, the WNA should be discontinued. PGW should be required to withdraw  
15 its current WNA and, if desired, propose a new, more equitable WNA for Commission approval.  
16 In evaluating any future proposal, the Commission should take a close look at the application of  
17 PGW’s WNA (as well as WNAs of other NGDCs) to identify the projected rate impacts associated  
18 with this rate mechanism and determine whether the convention will achieve the appropriate  
19 balance of interests between consumers and utilities – without undermining rate affordability and  
20 critically important conservation and efficiency goals.

21 **V. CONCLUSION**

22 **Q: Does this conclude your direct testimony?**

23 A: Yes.



**THE COALITION FOR AFFORDABLE UTILITY SERVICE AND ENERGY  
EFFICIENCY IN PENNSYLVANIA**

**APPENDIX A**

**RESUME OF HARRY S. GELLER**

## **RESUME OF HARRY S. GELLER**

### **EDUCATIONAL BACKGROUND:**

Harpur College, State University of New York at Binghamton, B.A. 1966

Washington College of Law, American University, J.D. 1969

New York University Law School, courses in Urban Affairs and Poverty Law, as part of  
Volunteers in Service to America (VISTA) Program 1969-1971

### **EMPLOYMENT:**

1988 – 2015 Executive Director, Pennsylvania Utility Law Project (PULP), a project of the civil non-profit Pennsylvania Legal Aid Network. PULP is dedicated to providing technical support, information sharing, and representation to low-income individuals and organizations, assisting and advocating for the low income in utility and energy matters. Responsibilities include project oversight, case consultation, co-counseling, and participation on task forces, work groups and advisory panels, community education and training in utility and energy matters affecting the low income.

While at PULP, served in the following capacities:

- Chairman, Low-Income Home Energy Assistance Program (LIHEAP) Advisory Committee to the Secretary, Pennsylvania Department of Human Services
- Member, Pennsylvania Public Utility Commission, Consumer Advisory Council Coordinator, Pennsylvania Legal Services Utility/Energy Work Groups
- Member, Weatherization Policy Advisory Committee to the Department of Community and Economic Development
- Member, PECO Universal Service Advisory Committee and LIURP Subcommittee

1974-1987 Staff Attorney, Managing Attorney and ultimately, Executive Director of Legal Services, Incorporated (LSI), a civil legal services program serving Adams, Cumberland, Franklin and Fulton Counties. Through a restructuring with other legal services programs, LSI became part of what is now known as MidPenn Legal Services and Franklin County Legal Services.

1971-1972 Staff Attorney, New York City Legal Aid Society, Criminal Court and Supreme Court Branches, New York County.

1969-1971 Volunteer in Service to America (VISTA) assigned to the New York University Law School Project on Urban Affairs and Poverty Law.

### **BAR ADMISSIONS**

New York State

Commonwealth of Pennsylvania

United States District Court, Middle District of Pennsylvania

**Cases in which Harry S. Geller has participated as a witness before the Pennsylvania Public Utility Commission since July 1, 2015**

- Pennsylvania Public Utility Commission v. National Fuel Gas Distribution Corporation, R-2022-3035730
- Pennsylvania Public Utility Commission v. Columbia Gas of Pa., Docket No. R-2022-3031211
- Pennsylvania Public Utility Commission v. Pa. American Water Co., Docket Nos. R-2022-3031672 & -3031673
- Pennsylvania Public Utility Commission v. UGI Utilities, Inc. – Gas Division, R-2021- 3030218.
- Joint Petition of MetEd, Penelec, Penn Power, and West Penn Power for Approval of their Default Service Programs for the Period Commencing June 1, 2023 through May 31, 2027, Docket Nos. P-2021-3030012, -13, -14, -21
- Pennsylvania Public Utility Commission v. Aqua Pennsylvania, Inc. and Aqua Pennsylvania Wastewater, Inc., Docket Nos. R-2021-3027385, R- 2021-3027386.
- Pennsylvania Public Utility Commission v. Pittsburgh Water and Sewer Authority, R-2021-3024773, R-2021-3024774, R-2021-3024779.
- Pennsylvania Public Utility Commission v. Duquesne Light Company, R-2021- 3024750.
- Pennsylvania Public Utility Commission v. PECO Energy – Electric Division, R-2021-3024601.
- Pennsylvania Public Utility Commission v. Columbia Gas of Pennsylvania, Inc., R-2021-3024296.
- Tenant Union Representative Network v. PECO Energy Company, C-2020-3021557
- Pennsylvania Public Utility Commission v. Philadelphia Gas Works, R-2020-3017206.
- Petition of PPL Electric Utilities Corporation for Approval of a Default Service Program for the Period of June 1, 2021 through May 31 , 2025, Docket No. P-2020-3019356.
- Petition of PECO Energy Company for Approval of Its Default Service Program for the Period from June 1, 2021 through May 31, 2025, Docket No. P-2020-3019290.
- Petition of Duquesne Light Company For Approval of Default Service Plan For The Period June 1, 2021 Through May 31, 2025, Docket No. P-2020-3019522.
- Joint Application of Aqua America, Inc., Aqua Pennsylvania, Inc., Aqua Pennsylvania Wastewater, Inc., Peoples Natural Gas Company LLC and Peoples Gas Company LLC for all of the Authority and Necessary Certificates of Public Convenience to Approve a Change in Control of Peoples Natural Gas Company LLC, and Peoples Gas Company LLC by way of the Purchase of all of LDC Funding LLC's Membership Interests by Aqua America, Inc., Docket Nos. A-2018-3006061, A-2018-3006062, A-2018-3006063.
- Pennsylvania Public Utility Commission v. Aqua Pennsylvania, Inc. et al. Docket Nos. R2018-3003558 et seq.
- Pennsylvania Public Utility Commission v. Duquesne Light Company, Docket No. R-2018-3000124.

- Pennsylvania Public Utility Commission v. PECO Energy Company- Electric Division, Docket No. R-2018-3000164.
- Joint Petition of MetEd, Penelec, Penn Power, and West Penn Power for Approval of their Default Service Programs for the period commencing June 1, 2019 through May 31, 2023, Docket Nos. P-2017-2637855, P-2017-2637857, P-2017-2637858; P-2017-2637866.
- Pennsylvania Public Utility Commission et al. v. Philadelphia Gas Works, Docket No. R-2017-2586783.
- PECO Energy Company's Pilot Plan for an Advance Payments Program and Petition for Temporary Waiver of Portions of the Commission's Regulations with Respect to that Plan, Docket No. P-2016-2573023.
- Petition of PECO Energy Company for Approval of a Default Service Program for the Period of June 1, 2017 through May 31, 2019, Docket No. P-2016-2534980.
- Petition of PPL Electric Utilities Corporation for Approval of a Default Service Program and Procurement Plan for the Period of June 1, 2017 through May 31, 2021, Docket No. P-2016-2526627.
- Petition of Duquesne Light Company for Approval of a Default Service Program for the Period of June 1, 2017 through May 31, 2021, Docket No. P-2016-2543140.
- Pennsylvania Public Utility Commission et al. v. Columbia Gas of Pennsylvania, Inc., Docket No. R-2016-2529660.
- Joint Petition of Metropolitan Edison Company, Pennsylvania Electric Company,
- Pennsylvania Power Company, and West Penn Power Company for Approval of their Default Service Programs for the period commencing June 1, 2017 through May 31, 2019, Docket Nos. P-2015-2511333, P-2015-25113351, P-2015-2511355, P-2015-2511356.
- Petition of PPL Electric Utilities Corporation for Approval of its Energy Efficiency and Conservation Plan, Docket No. M-2015-2515642.

**THE COALITION FOR AFFORDABLE UTILITY SERVICE AND ENERGY  
EFFICIENCY IN PENNSYLVANIA**

**APPENDIX B**

**CITED DISCOVERY RESPONSES**

**Coalition for Affordable Utility Service and Energy Efficiency in Pennsylvania (CAUSE-PA) to Philadelphia Gas Works (PGW)**

- CAUSE-PA to PGW I-1, with attachment.
- CAUSE-PA to PGW I-2, with attachment.
- CAUSE-PA to PGW I-3, with attachment.
- CAUSE-PA to PGW I-5.
- CAUSE-PA to PGW I-6.
- CAUSE-PA to PGW I-7, with attachment.
- CAUSE-PA to PGW I-9, with attachment.
- CAUSE-PA to PGW I-10, with attachment.
- CAUSE-PA to PGW I-11, with attachment.
- CAUSE-PA to PGW I-12.
- CAUSE-PA to PGW I-14, with attachments.
- CAUSE-PA to PGW I-16, with attachment.
- CAUSE-PA to PGW I-17, with attachment.
- CAUSE-PA to PGW I-19.
- CAUSE-PA to PGW I-21.

**Office of Consumer Advocate (OCA) to PGW**

- OCA to PGW I-5, with attachment.

Philadelphia Gas Works  
Case Name: PGW WNA Cap Proceeding  
Docket No(s): P-2022-3034264

Response to Discovery Request: CAUSE-PA Set I-1  
Date of Response: 3/27/2023  
Response Provided By: Denise Adamucci

Question:

From January 2019 to the most recent available date, disaggregated by month (as of the last day of each month), how many residential customers did PGW have? Please explain how PGW arrived at these figures and include citation and/or copies of any and all workpapers used to perform the calculation.

Attachments: 1

CAUSE-PA\_Set\_I\_1\_CAUSE-PA I-1.xlsx

Response:

Please see the attached exhibit which provides, by month, the number of PGW's residential customers. This data is provided in a manner consistent with the data provided to the PUC.

Philadelphia Gas Works  
Docket Nos. R-2022-3034229  
P- 2022-3034264  
Exhibit CAUSE-PA I-1  
Page 1 of 1**Total Number of Residential Customers**

<b>Line</b>	<b>Year</b>	<b>Month</b>	<b>Number of Residential Customers</b>
1	2019	January	483,529
2	2019	February	484,590
3	2019	March	483,524
4	2019	April	481,223
5	2019	May	478,873
6	2019	June	477,291
7	2019	July	476,064
8	2019	August	475,358
9	2019	September	476,233
10	2019	October	479,563
11	2019	November	482,976
12	2019	December	484,937
13	2020	January	486,411
14	2020	February	487,332
15	2020	March	487,412
16	2020	April	487,133
17	2020	May	486,867
18	2020	June	486,630
19	2020	July	486,132
20	2020	August	485,550
21	2020	September	485,409
22	2020	October	486,498
23	2020	November	487,926
24	2020	December	489,910
25	2021	January	491,240
26	2021	February	492,091
27	2021	March	492,165
28	2021	April	491,834
29	2021	May	490,327
30	2021	June	488,191
31	2021	July	487,321
32	2021	August	485,542
33	2021	September	484,769



34	2021	October	485,271
35	2021	November	487,640
36	2021	December	489,414

Philadelphia Gas Works  
Case Name: PGW WNA Cap Proceeding  
Docket No(s): P-2022-3034264

Response to Discovery Request: CAUSE-PA Set I-2  
Date of Response: 3/27/2023  
Response Provided By: Denise Adamucci

Question:

From January 2019 to the most recent available date, how many estimated low-income customers reside within PGW service territory? Please explain how PGW arrived at its estimated figures and include citation and/or copies of all workpapers used to perform the estimation.

Attachments: 1

CAUSE-PA\_Set\_I\_2\_CAUSE-PA I-2.xlsx

Response:

Please see the attached exhibit which provides the number of estimated low-income customers within PGW's service territory. This data is defined and provided by the PUC for its Universal Service Program & Collections Performance report. It is believed the PUC data is designed to capture all Philadelphia residents regardless of whether they have gas service or not.

Philadelphia Gas Works  
Docket Nos. R-2022-3034229  
P- 2022-3034264  
Exhibit CAUSE-PA I-2  
Page 1 of 1

**Total Number of Estimated Low-Income Customers**

<b>Line</b>	<b>Year</b>	<b>Number of Estimated Low Income Customers</b>
1	2019	197,855
2	2020	195,215
3	2021	187,901

Philadelphia Gas Works  
Case Name: PGW WNA Cap Proceeding  
Docket No(s): P-2022-3034264

Response to Discovery Request: CAUSE-PA Set I-3  
Date of Response: 3/27/2023  
Response Provided By: Denise Adamucci

Question:

From January 2019 to the most recent available date, disaggregated by month (as of the last day of each month), how many of PGW customers were/are categorized as “confirmed low income”? Please explain how PGW categorizes customers as confirmed low income and include citation and/or copies of all workpapers used to perform the calculation.

Attachments: 1

CAUSE-PA\_Set\_I\_3\_CAUSE-PA I-3.xlsx

Response:

Please see the attached exhibit which provides, by month, the number of PGW customers who were categorized as confirmed low income. This data is provided in a manner consistent with the data provided for the PUC’s Universal Service Program & Collections Performance reporting.

These customers have some indicia of low-income status within past 2 years. The low-income status is determined if a customer is: participating in CRP, received a LIHEAP or Crisis grant, or has a low-income payment arrangement. However, income is not verified for a low-income payment arrangement.

Philadelphia Gas Works  
Docket Nos. R-2022-3034229  
P- 2022-3034264  
Exhibit CAUSE-PA I-3  
Page 1 of 1**Total Confirmed Low Income Customers**

<b>Line</b>	<b>Year</b>	<b>Month</b>	<b>Number of Confirmed Low Income Customers</b>
1	2019	January	135,342
2	2019	February	136,730
3	2019	March	139,864
4	2019	April	143,507
5	2019	May	145,769
6	2019	June	147,166
7	2019	July	148,659
8	2019	August	150,970
9	2019	September	152,486
10	2019	October	153,714
11	2019	November	154,883
12	2019	December	155,073
13	2020	January	129,162
14	2020	February	131,187
15	2020	March	132,454
16	2020	April	133,332
17	2020	May	133,654
18	2020	June	133,945
19	2020	July	134,390
20	2020	August	134,982
21	2020	September	135,232
22	2020	October	135,510
23	2020	November	136,064
24	2020	December	135,509
25	2021	January	104,318
26	2021	February	105,298
27	2021	March	108,066
28	2021	April	108,934
29	2021	May	109,009
30	2021	June	108,789
31	2021	July	109,539
32	2021	August	110,348
33	2021	September	111,887

34	2021	October	113,847
35	2021	November	116,549
36	2021	December	117,782

Philadelphia Gas Works  
Case Name: PGW WNA Cap Proceeding  
Docket No(s): P-2022-3034264

Response to Discovery Request: CAUSE-PA Set I-5  
Date of Response: 3/27/2023  
Response Provided By: Denise Adamucci

Question:

s of February 28, 2023, what is the average annual income of PGW's confirmed low income customers?

Attachments: 0

Response:

PGW does not have annual income for all confirmed low income customers. See also PGW's response to CAUSE-PA I-3.



Philadelphia Gas Works  
Case Name: PGW WNA Cap Proceeding  
Docket No(s): P-2022-3034264

Response to Discovery Request: CAUSE-PA Set I-6  
Date of Response: 3/27/2023  
Response Provided By: Denise Adamucci

Question:

As of February 28, 2023, what is the average annual income of PGW's currently enrolled CAP customers?

Attachments: 0

Response:

As of February 28, 2023, the average annualized income of PGW's currently enrolled CAP customer is \$13,675.

Philadelphia Gas Works  
Case Name: PGW WNA Cap Proceeding  
Docket No(s): P-2022-3034264

Response to Discovery Request: CAUSE-PA Set I-7  
Date of Response: 3/27/2023  
Response Provided By: Denise Adamucci

Question:

As of February 28, 2023, please provide the number of PGW's payment troubled customers in the following groups:

- a. All Residential
- b. Confirmed Low Income
- c. Residential excluding Confirmed Low Income

Attachments: 1

CAUSE-PA\_Set\_I\_7\_CAUSE-PA I-7.xlsx

Response:

Please see the attached exhibit which provides, by month, the number of PGW's payment troubled customers broken out between: All Residential, Confirmed Low Income, and Residential excluding Confirmed Low Income. This data is provided in a manner consistent with the data provided for the PUC's Universal Service Program & Collections Performance reporting.

**Total PGW's payment troubled customers in the following groups: All Reside  
Confirmed Low Income**

<b>Line</b>	<b>Year</b>	<b>Month</b>	<b>All Residential</b>
1	2019	January	48,372
2	2019	February	48,099
3	2019	March	48,123
4	2019	April	48,178
5	2019	May	47,853
6	2019	June	46,747
7	2019	July	45,837
8	2019	August	45,284
9	2019	September	44,305
10	2019	October	43,056
11	2019	November	41,938
12	2019	December	41,171
13	2020	January	40,952
14	2020	February	40,786
15	2020	March	40,708
16	2020	April	40,309
17	2020	May	39,138
18	2020	June	36,344
19	2020	July	33,106
20	2020	August	29,518
21	2020	September	26,971
22	2020	October	23,799
23	2020	November	20,910
24	2020	December	18,635
25	2021	January	16,518
26	2021	February	15,257
27	2021	March	14,629
28	2021	April	14,588
29	2021	May	14,060
30	2021	June	14,048
31	2021	July	16,303
32	2021	August	19,498

33	2021	September	21,870
34	2021	October	24,777
35	2021	November	27,226
36	2021	December	29,399

Philadelphia Gas Works  
Docket Nos. R-2022-3034229  
P- 2022-3034264  
Exhibit CAUSE-PA I-7  
Page 1 of 1

**ntial, Confirmed Low Income, Residential excluding**

<b>Confirmed Low Income</b>	<b>Residential excluding Confirmed Low Income Customers</b>
41,146	7,226
40,820	7,279
40,765	7,358
40,734	7,444
40,271	7,582
39,203	7,544
38,294	7,543
37,625	7,659
36,745	7,560
35,692	7,364
34,752	7,186
34,054	7,117
34,109	6,843
33,949	6,837
33,814	6,894
33,507	6,802
32,540	6,598
30,281	6,063
27,688	5,418
24,804	4,714
22,783	4,188
20,246	3,553
17,818	3,092
15,855	2,780
14,176	2,342
13,045	2,212
12,401	2,228
12,124	2,464
11,509	2,551
11,341	2,707
12,411	3,892
13,828	5,670

14,585	7,285
15,699	9,078
16,654	10,572
17,691	11,708

Philadelphia Gas Works  
Case Name: PGW WNA Cap Proceeding  
Docket No(s): P-2022-3034264

Response to Discovery Request: CAUSE-PA Set I-9  
Date of Response: 3/27/2023  
Response Provided By: Joseph Greenberg

Question:

From January 2019 to February 28, 2023, disaggregated by month (as of the last day of each month), what was PGW's residential termination rate?

Attachments: 1

CAUSE-PA\_Set\_I\_9\_CAUSE-PA I-9.xlsx

Response:

PGW tracks non-payment residential terminations. Please see the attached exhibit which provides, by month, PGW's residential non-payment terminations. This data is provided in a manner consistent with the data provided for the PUC's Universal Service Program & Collections Performance reporting.



Philadelphia Gas Works  
Docket Nos. R-2022-3034229  
P- 2022-3034264  
Exhibit CAUSE-PA I-9  
Page 1 of 1**Total Residential Terminations**

<b>Line</b>	<b>Year</b>	<b>Month</b>	<b>Number of Residential Terminations</b>
1	2019	January	0
2	2019	February	0
3	2019	March	3
4	2019	April	7,110
5	2019	May	6,314
6	2019	June	4,294
7	2019	July	3,603
8	2019	August	3,314
9	2019	September	2,925
10	2019	October	1,227
11	2019	November	257
12	2019	December	1
13	2020	January	0
14	2020	February	0
15	2020	March	0
16	2020	April	0
17	2020	May	0
18	2020	June	0
19	2020	July	0
20	2020	August	0
21	2020	September	0
22	2020	October	0
23	2020	November	0
24	2020	December	0
25	2021	January	0
26	2021	February	0
27	2021	March	0
28	2021	April	0
29	2021	May	828
30	2021	June	3,492
31	2021	July	685
32	2021	August	3,649
33	2021	September	3,417

34	2021	October	2,841
35	2021	November	757
36	2021	December	0

Philadelphia Gas Works  
Case Name: PGW WNA Cap Proceeding  
Docket No(s): P-2022-3034264

Response to Discovery Request: CAUSE-PA Set I-10  
Date of Response: 3/27/2023  
Response Provided By: Joseph Greenberg

Question:

From January 2019 to February 28, 2023, disaggregated by month (as of the last day of each month), what was PGW's confirmed low income termination rate?

Attachments: 1

CAUSE-PA\_Set\_I\_10\_CAUSE-PA I-10.xlsx

Response:

PGW tracks non-payment terminations. Please see the attached exhibit which provides, by month, PGW's confirmed low income non-payment terminations. This data is provided in a manner consistent with the data provided for the PUC's Universal Service Program & Collections Performance reporting.

Philadelphia Gas Works  
Docket Nos. R-2022-3034229  
P- 2022-3034264  
Exhibit CAUSE-PA I-10  
Page 1 of 1**Total Low Income Terminations**

<b>Line</b>	<b>Year</b>	<b>Month</b>	<b>Number of Low Income Terminations</b>
1	2019	January	0
2	2019	February	0
3	2019	March	2
4	2019	April	4,453
5	2019	May	3,992
6	2019	June	2,868
7	2019	July	2,592
8	2019	August	2,510
9	2019	September	2,307
10	2019	October	1,000
11	2019	November	225
12	2019	December	0
13	2020	January	0
14	2020	February	0
15	2020	March	0
16	2020	April	0
17	2020	May	0
18	2020	June	0
19	2020	July	0
20	2020	August	0
21	2020	September	0
22	2020	October	0
23	2020	November	0
24	2020	December	0
25	2021	January	0
26	2021	February	0
27	2021	March	0
28	2021	April	0
29	2021	May	332
30	2021	June	1,379
31	2021	July	153
32	2021	August	1,272
33	2021	September	2,081
34	2021	October	1,858

35	2021	November	408
36	2021	December	0

Philadelphia Gas Works  
Case Name: PGW WNA Cap Proceeding  
Docket No(s): P-2022-3034264

Response to Discovery Request: CAUSE-PA Set I-11  
Date of Response: 3/27/2023  
Response Provided By: Joseph Greenberg

Question:

From January 2019 to February 28, 2023, disaggregated by month (as of the last day of each month), what was PGW's CAP customer termination rate?

Attachments: 1

CAUSE-PA\_Set\_I\_11\_CAUSE-PA I-11.xlsx

Response:

PGW tracks non-payment terminations. Please see the attached exhibit which provides, by month, PGW's CAP customer non-payment terminations.

Philadelphia Gas Works  
Docket Nos. R-2022-3034229  
P- 2022-3034264  
Exhibit CAUSE-PA I-11  
Page 1 of 1**Total CAP Customer Terminations**

<b>Line</b>	<b>Year</b>	<b>Month</b>	<b>Number of CAP Terminations</b>
1	2019	January	0
2	2019	February	0
3	2019	March	0
4	2019	April	533
5	2019	May	1,035
6	2019	June	377
7	2019	July	757
8	2019	August	409
9	2019	September	441
10	2019	October	270
11	2019	November	42
12	2019	December	0
13	2020	January	0
14	2020	February	0
15	2020	March	0
16	2020	April	0
17	2020	May	0
18	2020	June	0
19	2020	July	0
20	2020	August	0
21	2020	September	0
22	2020	October	0
23	2020	November	0
24	2020	December	0
25	2021	January	0
26	2021	February	0
27	2021	March	0
28	2021	April	0
29	2021	May	0
30	2021	June	0
31	2021	July	0
32	2021	August	205
33	2021	September	1,277
34	2021	October	896

35	2021	November	86
36	2021	December	0



Philadelphia Gas Works  
Case Name: PGW WNA Cap Proceeding  
Docket No(s): P-2022-3034264

Response to Discovery Request: CAUSE-PA Set I-12  
Date of Response: 3/27/2023  
Response Provided By: Joseph Greenberg

Question:

From January 2019 to February 28, 2023, disaggregated by month (as of the last day of each month), how many customers were terminated for non-payment in the following

- a. All Residential categories:
- b. Residential, excluding Confirmed Low Income customers and CAP/CRP participants
- c. Confirmed low income, excluding CAP/CRP participants
- d. CAP/CRP participants

Attachments: 0

Response:

Please see PGW's response to CAUSE-PA I-9 for non-payment residential terminations. Please see PGW's response to CAUSE-PA I-10 for non-payment confirmed low income terminations. Please see PGW's response to CAUSE-PA I-11 for non-payment CRP terminations.

Philadelphia Gas Works  
Case Name: PGW WNA Cap Proceeding  
Docket No(s): P-2022-3034264

Response to Discovery Request: CAUSE-PA Set I-14  
Date of Response: 3/27/2023  
Response Provided By: Dan Furtek

Question:

For each billing cycle for the past 10 years, what was the total WNA charge or credit to residential customers?

Attachments: 5

CAUSE-PA\_Set\_I\_14\_PGW WNA Annual Report - FY2018 - As Filed 01-10-19.pdf  
CAUSE-PA\_Set\_I\_14\_PGW WNA Annual Report - FY2019 - As Filed 12-30-20.pdf  
CAUSE-PA\_Set\_I\_14\_PGW WNA Annual Report - FY2020.pdf  
CAUSE-PA\_Set\_I\_14\_PGW WNA Report for FY 2021 filed on 01-04-2022.pdf  
CAUSE-PA\_Set\_I\_14\_PGW WNA Report for FY 2022 filed on 01-10-2023.pdf

Response:

PGW does not have this data broken out by billing cycle going back 10 years. Please see PGW's annual Weather Normalization Adjustment Report for Fiscal Years 2018 through 2022 which were posted to Docket No. R-2017-2586783.



**PHILADELPHIA GAS WORKS**

800 West Montgomery Avenue • Philadelphia, PA 19122

Brandon J. Pierce, Esq.  
Senior Attorney | Legal Department  
Direct Dial: 215-684-6219  
E-mail: [Brandon.Pierce@pgworks.com](mailto:Brandon.Pierce@pgworks.com)

January 10, 2019

**VIA E-FILING**

Rosemary Chiavetta, Secretary  
Pennsylvania Public Utility Commission  
Commonwealth Keystone Building  
2<sup>nd</sup> Floor, 1 North  
400 North Street  
Harrisburg, PA 17120

**Re: Pa. Public Utility Commission v. Philadelphia Gas Works  
Docket No. R-2017-2586783**

Dear Secretary Chiavetta:

On behalf of Philadelphia Gas Works ("PGW"), enclosed please find PGW's annual Weather Normalization Adjustment ("WNA") Report for Fiscal Year 2018 (September 1, 2017 through August 31, 2018). This report is being filed as part of the parties' agreement to the Joint Petition for Partial Settlement, as approved without modification by the Commission on November 8, 2017. Please contact me with any questions.

Respectfully,

  
\_\_\_\_\_  
Brandon J. Pierce, Esquire

Enclosures

cc: Cert. of Service w/enc

**CERTIFICATE OF SERVICE**

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

**VIA FIRST CLASS MAIL and EMAIL**

Carrie Wright, Esq.  
Erika L. McLain, Esq.  
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\_\_\_\_\_  
Brandon J. Pierce, Esquire

Dated: January 10, 2019

**PGW Weather Normalization Adjustment (WNA) Annual Report**

**Docket No. R-2017-2586783**

**Fiscal Year 2018**

	<b><u>Total WNA Charge (Credit)</u></b>	<b><u>Actual Heating Degree Days (Philadelphia International Airport)</u></b>
Fiscal Year 2018 (September 1, 2017 - August 31, 2018)*	(\$3,805,873.56)	4405

*\*PGW's new rates went into effect on December 1, 2017.*



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Daniel Clearfield  
717.237.7173  
dclearfield@eckertseamans.com

December 30, 2019

**Via Electronic Filing**

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

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

Dear Secretary Chiavetta:

Enclosed for electronic filing please find Philadelphia Gas Works' ("PGW") annual Weather Normalization Adjustment ("WNA") Report for Fiscal year 2019 (September 1, 2018 – August 31, 2019). This report is being filed pursuant to Paragraph 16 of the Joint Petition for Partial Settlement filed in the above-captioned docket, which was approved without modification by the Commission by Order entered on November 8, 2017. Copies of the filing are being served in accordance with the attached Certificate of Service.

Sincerely,

A handwritten signature in cursive script that reads "Daniel Clearfield".

Daniel Clearfield  
DC/lww

Enclosure

cc: Certificate of Service w/enc.

PGW Weather Normalization Adjustment (WNA) Annual Report  
Docket No. R-2017-2586783  
Fiscal Year 2019

	<u>Total WNA Charge (Credit)</u>	<u>Actual Heating Degree Days</u> <u>(Philadelphia International</u> <u>Airport)</u>
Fiscal Year 2019 (September 1, 2018 – August 31, 2019)	\$1,595,837	4,362

**CERTIFICATE OF SERVICE**

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

**Via First Class Mail and Email**

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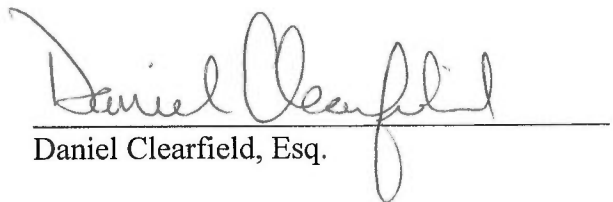
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Daniel Clearfield, Esq.

Dated: December 30, 2019





**PHILADELPHIA GAS WORKS**

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June 8, 2021

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

**Re: PA Public Utility Commission v. Philadelphia Gas Works,  
Docket No. R-2017-2586783**

---

Dear Secretary Chiavetta:

On behalf of Philadelphia Gas Works (“PGW”) enclosed please find PGW’s annual Weather Normalization Adjustment (“WNA”) Report for Fiscal Year 2020 (September 1, 2019 – August 31, 2020). This report is be filed in accordance with PGW Gas Service Tariff, Pa. P.U.C. No. 2. Due to an inadvertent administrative error it was not filed earlier. 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 Weather Normalization Adjustment Report upon the persons listed below in the manner indicated in accordance with the requirements of 52 Pa. Code Section 1.54.

### Via Email

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Dated: June 8, 2021

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

**PGW Weather Normalization Adjustment (WNA) Annual Report**

**Docket No. R-2017-2586783**

**Fiscal Year 2020**

	Total WNA Charge (Credit)	Actual Heating Degree Days (Philadelphia International Airport)
Fiscal Year 2020 (September 1, 2019 – August 31, 2020)	\$10,789,328	4,162



**PHILADELPHIA GAS WORKS**

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January 4, 2022

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

**Re: PA Public Utility Commission v. Philadelphia Gas Works, Docket No. R-2017-2586783**

Dear Secretary Chiavetta:

On behalf of Philadelphia Gas Works (“PGW”) enclosed please find PGW’s annual Weather Normalization Adjustment (“WNA”) Report for Fiscal Year 2021 (September 1, 2020 – August 31, 2021). This report is to be filed in accordance with PGW Gas Service Tariff, Pa. P.U.C. No. 2.

Please contact me if you have any questions.

Respectfully,

/s/ Craig W. Berry

\_\_\_\_\_  
Craig W. Berry, Esquire

Enclosure

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Dated: January 4, 2022

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

**PGW Weather Normalization Adjustment (WNA) Annual Report**

**Docket No. R-2017-2586783**

**Fiscal Year 2021**

	Total WNA Charge (Credit)	Actual Heating Degree Days (Philadelphia International Airport)
Fiscal Year 2021 (September 1, 2020 – August 31, 2021)	\$11,761,938	4,108



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January 10, 2023

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

**Re: PA Public Utility Commission v. Philadelphia Gas Works, Docket No. R-2017-2586783**

Dear Secretary Chiavetta:

On behalf of Philadelphia Gas Works (“PGW”) enclosed please find PGW’s annual Weather Normalization Adjustment (“WNA”) Report for Fiscal Year 2022 (September 1, 2021 – August 31, 2022). This report is be filed in accordance with PGW Gas Service Tariff, Pa. P.U.C. No. 2.

Please contact me if you have any questions.

Respectfully,

/s/ Craig W. Berry

\_\_\_\_\_  
Craig W. Berry, Esquire

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Dated: January 10, 2023

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



**PGW Weather Normalization Adjustment (WNA) Annual Report**

**Docket No. R-2017-2586783**

**Fiscal Year 2022**

	Total WNA Charge (Credit)	Actual Heating Degree Days (Philadelphia International Airport)
Fiscal Year 2022 (September 1, 2021 – August 31, 2022)	\$23,159,935	3,853

Philadelphia Gas Works  
Case Name: PGW WNA Cap Proceeding  
Docket No(s): P-2022-3034264

Response to Discovery Request: CAUSE-PA Set I-16  
Date of Response: 3/27/2023  
Response Provided By: Dan Furtek

Question:

From January 2019 to date, disaggregated by billing cycle, what was the average WNA charge or credit per customers bill?

Attachments: 1

CAUSE-PA\_Set\_I\_16\_Exhibit I-16.xlsx

Response:

Please see attachment I-16 which shows the average WNA charge for residential customers.



Philadelphia Gas Works  
Case Name: PGW WNA Cap Proceeding  
Docket No(s): P-2022-3034264

Response to Discovery Request: CAUSE-PA Set I-17  
Date of Response: 3/27/2023  
Response Provided By: Dan Furtek

Question:

From January 2019 to date, disaggregated by billing cycle, how many customers received a WNA charge at the following levels?

- a. \$0-20
- b. \$20-40
- c. \$40-60
- d. \$60-80
- e. \$80-100
- f. over \$100

Attachments: 1

CAUSE-PA\_Set\_I\_17\_Exhibit I-17.xlsx

Response:

Please see attachment I-17 which shows the amount of residential customers who received a WNA charge at the respective levels.

Revenue Month	Charge						Credit					
	\$0-20	\$20-40	\$40-60	\$60-80	\$80-100	over \$100	\$0-20	\$20-40	\$40-60	\$60-80	\$80-100	over \$100
201901	369,090	6,899	272	35	9	17	5,443	270	26	6	2	1
201902	190,271	72	9	4	4	13	154,652	199	10	4		5
201903	46,869	19	6	2	1	5	341,268	1,666	83	26	11	25
201904	298,597	19,762	2,308	481	136	155	80,174	114	12	3	2	4
201905	340,533	23,602	4,959	1,385	451	410	1,157	5	3			2
201906	234,792	9,813	2,546	848	403	578	47,646	17	4	1		3
201907	2,037	126	34	11	7	16	767	7				1
201908	362	26	10		1	5	99	4	1			
201909	165	8	3	6	1	2	50			1		3
201910	302,177	492	47	11	2	24	176	4	2		1	
201911	147,208	797	60	7	1	13	250,783	3,239	229	46	18	13
201912	1,130	15	3		4		403,272	17,067	1,003	116	26	28
202001	377,006	38,521	3,502	633	164	120	4,687	52	5	2		1
202002	299,608	111,511	14,131	2,410	547	257	324			1		
202003	384,649	41,123	3,042	435	96	97	253	1	2			1
202004	218,146	9,849	612	79	19	21	166,773	2,625	172	40	8	13
202005	1,476	56	9	5	3	4	368,906	37,756	4,803	936	238	142
202006	85,062	49	9	3	2	8	235,694	1,704	143	29	10	15
202007	922	33	4		1	2	1,686	10	2			3
202008	141	15	2	2			156	1		1		1
202009	83	9	5			5	81	6			1	
202010	157,269	1,991	212	52	17	39	189,476	11	4	8	2	12
202011	413,165	17,752	1,438	266	59	70	1,247	1	2			
202012	361,255	12,763	919	144	27	30	27,519	3				1
202101	308,751	4,051	200	37	14	25	25,829	2				1
202102	178,329	248	51	14	4	10	254,423	2,602	94	11	9	12
202103	228,244	5,333	383	93	24	32	172,069	341	11	1	3	8
202104	419,795	23,394	1,965	311	61	114	1,252	3				1
202105	183,307	302	37	7	10	37	228,934	139	14	8	6	26
202106	2,461	73	40	16	3	11	310,635	146	9	12	9	39
202107	384	32	3	3		4	2,481	4		1		3
202108	284	23	6	1	3	1	236	1				
202109	174	18	4	1		2	119					1
202110	305,882	10,987	2,257	721	296	384	376	1				
202111	329,600	5,175	529	101	35	46	74,008	28		1		2
202112	377,350	40,697	4,660	960	350	246	28,388	4				1
202201	335,256	42,497	4,041	641	149	95	74,974	308	19			4
202202	249,576	12,517	1,008	200	76	59	106,905	108	1	3	1	2
202203	368,934	78,850	8,160	1,419	346	202	963					
202204	213,569	7,046	418	72	22	27	227,520	105	4	7	3	8
202205	191,267	1,198	197	67	42	118	211,496	589	26	13	3	17
202206	162,449	32,692	19,423	12,310	8,647	25,392	1,196	2		1		
202207	1,512	283	137	83	67	175	143	2				
202208	299	43	24	23	4	21	57					
202209	175	35	11	8	4	13	52					
202210	865	36	14	5	4	11	384,379	730	35	9	3	27
202211	402,122	21,215	2,403	459	94	104	4,563	11	3			5
202212	262,410	614	72	21	6	15	145,284	521	33	7		3
202301	341,207	64,994	15,961	3,633	1,183	1,076	29,569	52	3			2
202302	234,626	167,761	41,624	8,963	2,512	1,628	337		1		1	
202303	216,482	73,654	15,930	3,327	864	477	602					

Philadelphia Gas Works  
Case Name: PGW WNA Cap Proceeding  
Docket No(s): P-2022-3034264

Response to Discovery Request: CAUSE-PA Set I-19  
Date of Response: 3/27/2023  
Response Provided By: Denise Adamucci

Question:

Please explain what effect, if any, the WNA affects the volumetric charge assessed to customers

Attachments: 0

Response:

A customer's WNA charge is affected by their usage. Please see PGW's WNA formula, where Total Usage is a component of the WNA calculation.

Philadelphia Gas Works  
Case Name: PGW WNA Cap Proceeding  
Docket No(s): P-2022-3034264

Response to Discovery Request: CAUSE-PA Set I-21  
Date of Response: 3/27/2023  
Response Provided By: Denise Adamucci

Question:

Please explain what effect, if any, the WNA has on the amount charged to CAP customers?

Attachments: 0


Response:

CAP customers are charged a fixed amount each month, based on their income. Customers pay a specific energy burden identified by the PUC as affordable, or, if their average bill is lower than the energy budget, they pay that average amount. The average amount would include WNA charges.

**VERIFICATION**

I, Denise Adamucci, hereby state that: (1) I am the Senior Vice President for Customer & Regulatory Affairs for Philadelphia Gas Works (“PGW”); (2) the facts set forth in the attached discovery responses which I am sponsoring are true and correct to the best of my knowledge, information and belief; and (3) I expect to be able to prove the same at a hearing held in this matter. I understand that the statements herein are made subject to the penalties of 18 Pa. C.S. § 4904 (relating to unsworn falsification to authorities).

Date: March 27, 2023

  
\_\_\_\_\_  
Denise Adamucci  
Senior Vice President for Customer & Regulatory Affairs  
Philadelphia Gas Works



Philadelphia Gas Works  
PGW WNA Cap Proceeding  
Docket No(s): P-2022-3034264  
Response to Discovery Request: OCA Set I-5  
Response Provided By: Michael Artuso  
Date of Response: 3/14/23

Supplement No. 152 to Gas Service Tariff- Pa. P.U.C. of Philadelphia Gas Works Docket No. R-2022-3034229 Petition of Philadelphia Gas Works for Approval on Less than Statutory Notice Of Tariff Supplement Revising Weather Normalization Adjustment Docket No. P-2022-3034264

QUESTION:

Reference the Table on p.3 of Petition of Philadelphia Gas Works for Emergency Order. Provide the same information for all of the Company's billing cycles in Fiscal Year 2022, plus the number of customers (by tariff subdivision) on each cycle by start and end dates, and length of the billing cycle.

RESPONSE:

Please see the attached exhibit which expands upon the Table on p.3 of Petition of Philadelphia Gas Works for Emergency Order for all billing cycles in Fiscal Year 2022. The Table data in the Petition were approximate average impacts.

Due to data limitations, this response provides bill cycle dates. Customers within billing cycles may have various usage dates due to, for example but not limited to, make-up billing. Additionally, the WNA charges exclude certain bills, such as but not limited to cancelled bills.

## Bill Cycle Schedule

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
9/3/2021	9/7/2021	9/8/2021	9/9/2021	9/10/2021	9/13/2021	9/14/2021	9/15/2021	9/16/2021	9/17/2021
10/5/2021	10/6/2021	10/7/2021	10/8/2021	10/11/2021	10/12/2021	10/13/2021	10/14/2021	10/15/2021	10/18/2021
11/3/2021	11/4/2021	11/5/2021	11/8/2021	11/9/2021	11/10/2021	11/12/2021	11/15/2021	11/16/2021	11/17/2021
12/6/2021	12/7/2021	12/8/2021	12/9/2021	12/10/2021	12/13/2021	12/14/2021	12/15/2021	12/16/2021	12/17/2021
1/6/2022	1/7/2022	1/10/2022	1/11/2022	1/12/2022	1/13/2022	1/14/2022	1/18/2022	1/19/2022	1/20/2022
2/4/2022	2/7/2022	2/8/2022	2/9/2022	2/10/2022	2/11/2022	2/14/2022	2/15/2022	2/16/2022	2/17/2022
3/8/2022	3/9/2022	3/10/2022	3/11/2022	3/14/2022	3/15/2022	3/16/2022	3/17/2022	3/18/2022	3/21/2022
4/6/2022	4/7/2022	4/8/2022	4/11/2022	4/12/2022	4/13/2022	4/14/2022	4/18/2022	4/19/2022	4/20/2022
5/5/2022	5/6/2022	5/9/2022	5/10/2022	5/11/2022	5/12/2022	5/13/2022	5/16/2022	5/17/2022	5/18/2022
6/6/2022	6/7/2022	6/8/2022	6/9/2022	6/10/2022	6/13/2022	6/14/2022	6/15/2022	6/16/2022	6/17/2022
7/6/2022	7/7/2022	7/8/2022	7/11/2022	7/12/2022	7/13/2022	7/14/2022	7/15/2022	7/18/2022	7/19/2022
8/4/2022	8/5/2022	8/8/2022	8/9/2022	8/10/2022	8/11/2022	8/12/2022	8/15/2022	8/16/2022	8/17/2022
<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>
9/20/2021	9/21/2021	9/22/2021	9/23/2021	9/24/2021	9/27/2021	9/28/2021	9/29/2021	9/30/2021	10/1/2021
10/19/2021	10/20/2021	10/21/2021	10/22/2021	10/25/2021	10/26/2021	10/27/2021	10/28/2021	10/29/2021	11/1/2021
11/18/2021	11/19/2021	11/22/2021	11/23/2021	11/24/2021	11/26/2021	11/29/2021	11/30/2021	12/1/2021	12/2/2021
12/20/2021	12/21/2021	12/22/2021	12/27/2021	12/28/2021	12/29/2021	12/30/2021	12/31/2021	1/4/2021	1/5/2021
1/21/2022	1/24/2022	1/25/2022	1/26/2022	1/27/2022	1/28/2022	1/31/2022	2/1/2022	2/2/2022	2/3/2022
2/18/2022	2/22/2022	2/23/2022	2/24/2022	2/25/2022	2/28/2022	3/1/2022	3/2/2022	3/3/2022	3/4/2022
3/22/2022	3/23/2022	3/24/2022	3/25/2022	3/28/2022	3/29/2022	3/30/2022	3/31/2022	4/1/2022	4/4/2022
4/21/2022	4/22/2022	4/25/2022	4/26/2022	4/27/2022	4/28/2022	4/29/2022	5/2/2022	5/3/2022	5/4/2022
5/19/2022	5/20/2022	5/23/2022	5/24/2022	5/25/2022	5/26/2022	5/27/2022	5/31/2022	6/1/2022	6/2/2022
6/20/2022	6/21/2022	6/22/2022	6/23/2022	6/24/2022	6/27/2022	6/28/2022	6/29/2022	6/30/2022	7/1/2022
7/20/2022	7/21/2022	7/22/2022	7/25/2022	7/26/2022	7/27/2022	7/28/2022	7/28/2022	8/1/2022	8/2/2022
8/18/2022	8/19/2022	8/22/2022	8/23/2022	8/24/2022	8/25/2022	8/26/2022	8/29/2022	8/30/2022	8/31/2022

Customer Class	Revenue Month	Bill Cycle	WNA Billings	Customer Service Agreements ("SA")	Average Impact per Customer SA
Commercial	September 2021	01	\$0	1,681	\$0.00
		02	\$0	1,158	\$0.00
		03	\$0	930	\$0.00
		04	\$0	634	\$0.00
		05	\$7	723	\$0.01
		06	\$0	1,186	\$0.00
		07	\$0	1,109	\$0.00
		08	\$0	686	\$0.00
		09	\$0	862	\$0.00
		10	\$0	1,085	\$0.00
		11	\$0	1,280	\$0.00
		12	\$1	1,046	\$0.00
		13	\$536	697	\$0.77
		14	\$0	917	\$0.00
		15	\$0	972	\$0.00
		16	\$0	828	\$0.00
		17	\$13	1,157	\$0.01
		18	\$0	1,318	\$0.00
		19	(\$0)	1,636	(\$0.00)
		20	\$6	1,288	\$0.00
		21	\$0	899	\$0.00
		22	\$476	2,685	\$0.18
		23	\$0	346	\$0.00
	October 2021	01	\$563	1,665	\$0.34
		02	\$4,790	1,130	\$4.24
		03	\$1,533	915	\$1.68
		04	\$1,113	640	\$1.74
		05	\$2,421	753	\$3.22
		06	\$8,909	1,197	\$7.44
		07	\$11,359	1,095	\$10.37
		08	\$4,672	673	\$6.94
		09	\$13,771	860	\$16.01
		10	\$19,069	1,092	\$17.46
		11	\$13,830	1,301	\$10.63
		12	\$7,560	1,033	\$7.32
		13	\$8,179	698	\$11.72
		14	\$17,368	909	\$19.11
		15	\$22,125	966	\$22.90
		16	\$15,970	840	\$19.01
		17	\$20,399	1,150	\$17.74
		18	\$21,626	1,332	\$16.24
		19	\$48,660	1,644	\$29.60
		20	\$64,147	1,299	\$49.38
21		\$47,252	900	\$52.50	
22		\$326,339	2,676	\$121.95	
23		\$1,350	331	\$4.08	
November 2021	01	\$37,517	1,668	\$22.49	
	02	\$17,301	1,163	\$14.88	
	03	\$12,024	906	\$13.27	
	04	\$5,482	630	\$8.70	
	05	\$8,085	761	\$10.62	
	06	\$10,387	1,190	\$8.73	
	07	\$9,157	1,099	\$8.33	
	08	\$5,752	676	\$8.51	
	09	\$8,043	872	\$9.22	
	10	\$7,467	1,093	\$6.83	
	11	\$8,490	1,287	\$6.60	
	12	\$6,337	1,043	\$6.08	
	13	\$4,284	690	\$6.21	
	14	\$3,748	911	\$4.11	
	15	\$4,195	1,006	\$4.17	
	16	\$602	829	\$0.73	
	17	\$386	1,151	\$0.34	

	18	(\$1,475)	1,349	(\$1.09)
	19	(\$6,887)	1,649	(\$4.18)
	20	(\$9,745)	1,302	(\$7.48)
	21	\$39,310	895	\$43.92
	22	\$668	2,674	\$0.25
	23	\$0	332	\$0.00
December 2021	01	(\$4,500)	1,682	(\$2.68)
	02	\$742	1,179	\$0.63
	03	\$2,231	942	\$2.37
	04	\$2,237	655	\$3.42
	05	\$3,729	770	\$4.84
	06	\$4,718	1,212	\$3.89
	07	\$7,594	1,107	\$6.86
	08	\$3,001	686	\$4.37
	09	\$8,248	874	\$9.44
	10	\$13,864	1,118	\$12.40
	11	\$26,715	1,304	\$20.49
	12	\$11,720	1,059	\$11.07
	13	\$10,492	703	\$14.92
	14	\$13,861	923	\$15.02
	15	\$26,466	984	\$26.90
	16	\$20,435	848	\$24.10
	17	\$35,267	1,164	\$30.30
	18	\$37,454	1,353	\$27.68
	19	\$79,064	1,653	\$47.83
	20	\$83,675	1,298	\$64.46
	21	\$43,274	897	\$48.24
	22	\$337,356	2,687	\$125.55
	23	\$898	324	\$2.77
January 2022	01	\$73,501	1,697	\$43.31
	02	\$45,238	1,183	\$38.24
	03	\$38,555	934	\$41.28
	04	\$19,438	669	\$29.05
	05	\$25,922	776	\$33.40
	06	\$34,102	1,223	\$27.88
	07	\$23,750	1,115	\$21.30
	08	\$12,241	695	\$17.61
	09	\$20,588	875	\$23.53
	10	\$16,956	1,122	\$15.11
	11	\$25,535	1,319	\$19.36
	12	\$9,941	1,048	\$9.49
	13	\$8,731	711	\$12.28
	14	\$10,591	929	\$11.40
	15	\$9,311	988	\$9.42
	16	\$5,069	852	\$5.95
	17	\$3,918	1,174	\$3.34
	18	(\$1,093)	1,358	(\$0.80)
	19	(\$11,142)	1,662	(\$6.70)
	20	(\$21,849)	1,307	(\$16.72)
	21	\$106,364	897	\$118.58
	22	\$91,246	2,688	\$33.95
	23	\$426	334	\$1.28
February 2022	01	(\$15,878)	1,713	(\$9.27)
	02	(\$9,869)	1,191	(\$8.29)
	03	(\$10,377)	949	(\$10.93)
	04	(\$4,789)	666	(\$7.19)
	05	(\$2,682)	770	(\$3.48)
	06	\$280	1,229	\$0.23
	07	\$148	1,112	\$0.13
	08	\$436	695	\$0.63
	09	\$430	890	\$0.48
	10	(\$16)	1,118	(\$0.01)
	11	\$5,684	1,329	\$4.28
	12	\$6,079	1,059	\$5.74
	13	\$7,787	697	\$11.17

	14	\$11,084	933	\$11.88
	15	\$19,048	982	\$19.40
	16	\$13,490	843	\$16.00
	17	\$22,124	1,185	\$18.67
	18	\$24,575	1,355	\$18.14
	19	\$49,922	1,659	\$30.09
	20	\$58,153	1,304	\$44.60
	21	\$518	898	\$0.58
	22	\$211,666	2,691	\$78.66
	23	\$829	338	\$2.45
March 2022	01	\$61,340	1,711	\$35.85
	02	\$40,402	1,177	\$34.33
	03	\$37,196	936	\$39.74
	04	\$18,650	661	\$28.21
	05	\$24,182	768	\$31.49
	06	\$27,515	1,231	\$22.35
	07	\$23,239	1,120	\$20.75
	08	\$12,857	692	\$18.58
	09	\$25,703	895	\$28.72
	10	\$24,716	1,113	\$22.21
	11	\$56,447	1,329	\$42.47
	12	\$26,188	1,047	\$25.01
	13	\$21,893	709	\$30.88
	14	\$21,660	925	\$23.42
	15	\$37,955	979	\$38.77
	16	\$21,233	850	\$24.98
	17	\$29,611	1,171	\$25.29
	18	\$22,213	1,351	\$16.44
	19	\$43,853	1,669	\$26.27
	20	\$54,559	1,317	\$41.43
	21	\$108,631	896	\$121.24
	22	\$374,368	2,697	\$138.81
	23	\$1,383	340	\$4.07
April 2022	01	\$22,345	1,686	\$13.25
	02	\$18,636	1,179	\$15.81
	03	\$16,899	951	\$17.77
	04	\$9,646	666	\$14.48
	05	\$10,564	764	\$13.83
	06	\$22,005	1,252	\$17.58
	07	\$18,896	1,121	\$16.86
	08	\$10,019	697	\$14.38
	09	\$11,052	885	\$12.49
	10	\$4,846	1,123	\$4.31
	11	(\$4,212)	1,312	(\$3.21)
	12	(\$4,348)	1,053	(\$4.13)
	13	(\$3,636)	712	(\$5.11)
	14	(\$4,768)	937	(\$5.09)
	15	(\$8,352)	990	(\$8.44)
	16	(\$3,093)	842	(\$3.67)
	17	(\$2,169)	1,167	(\$1.86)
	18	(\$858)	1,346	(\$0.64)
	19	(\$6,874)	1,654	(\$4.16)
	20	(\$7,950)	1,307	(\$6.08)
	21	\$109,807	902	\$121.74
	22	(\$36,683)	2,666	(\$13.76)
	23	(\$127)	314	(\$0.41)
May 2022	01	(\$4,438)	1,721	(\$2.58)
	02	(\$3,026)	1,175	(\$2.58)
	03	(\$3,972)	920	(\$4.32)
	04	(\$4,870)	673	(\$7.24)
	05	(\$5,048)	757	(\$6.67)
	06	(\$7,754)	1,215	(\$6.38)
	07	(\$8,207)	1,103	(\$7.44)
	08	(\$4,619)	696	(\$6.64)
	09	(\$5,393)	867	(\$6.22)

		10	(\$2,021)	1,101	(\$1.84)
		11	(\$160)	1,295	(\$0.12)
		12	\$2,568	1,036	\$2.48
		13	\$1,131	703	\$1.61
		14	\$2,899	924	\$3.14
		15	\$4,160	967	\$4.30
		16	\$4,344	839	\$5.18
		17	\$11,751	1,169	\$10.05
		18	\$10,947	1,332	\$8.22
		19	\$30,203	1,660	\$18.19
		20	\$35,393	1,301	\$27.20
		21	(\$35,105)	904	(\$38.83)
		22	\$52,367	2,635	\$19.87
		23	\$67	318	\$0.21
	June 2022	01	\$19,957	1,704	\$11.71
		02	\$11,553	1,163	\$9.93
		03	\$9,855	927	\$10.63
		04	\$64,147	657	\$97.64
		05	\$125,098	750	\$166.80
		06	\$378,674	1,212	\$312.44
		07	\$234,287	1,118	\$209.56
		08	\$102,571	690	\$148.65
		09	\$226,615	865	\$261.98
		10	\$92,067	1,095	\$84.08
		11	\$112,733	1,286	\$87.66
		12	\$48,706	1,031	\$47.24
		13	\$29,568	715	\$41.35
		14	\$14,821	924	\$16.04
		15	\$29,437	973	\$30.25
		16	\$6,738	832	\$8.10
		17	\$1,286	1,170	\$1.10
		18	\$651	1,350	\$0.48
		19	\$341	1,649	\$0.21
		20	\$362	1,326	\$0.27
		21	\$495,273	901	\$549.69
		22	\$105,931	2,705	\$39.16
		23	\$386	331	\$1.17
Industrial	September 2021	01	\$0	16	\$0.00
		02	\$0	37	\$0.00
		03	\$0	20	\$0.00
		04	\$0	20	\$0.00
		05	\$0	13	\$0.00
		06	\$0	51	\$0.00
		07	\$0	38	\$0.00
		08	\$0	2	\$0.00
		09	\$0	5	\$0.00
		10	\$0	7	\$0.00
		11	\$0	29	\$0.00
		12	\$0	9	\$0.00
		13	\$0	11	\$0.00
		14	\$0	9	\$0.00
		15	\$0	8	\$0.00
		16	\$0	22	\$0.00
		17	\$0	33	\$0.00
		18	\$0	17	\$0.00
		19	\$0	8	\$0.00
		20	\$0	15	\$0.00
		21	\$0	5	\$0.00
		22	\$0	200	\$0.00
		23	\$0	61	\$0.00
	October 2021	01	\$40	17	\$2.37
		02	\$35	35	\$1.00
		03	\$109	21	\$5.17
		04	\$11	19	\$0.56
		05	\$6	12	\$0.54

	06	\$504	51	\$9.88
	07	\$93	38	\$2.44
	08	\$0	2	\$0.00
	09	\$29	5	\$5.75
	10	\$41	6	\$6.86
	11	\$1,449	29	\$49.98
	12	\$1	8	\$0.14
	13	\$17	11	\$1.50
	14	\$175	8	\$21.91
	15	\$4	7	\$0.50
	16	\$193	20	\$9.66
	17	\$1,066	36	\$29.62
	18	\$204	17	\$12.00
	19	\$34	9	\$3.80
	20	\$451	15	\$30.08
	21	\$148	5	\$29.65
	22	\$23,334	198	\$117.85
	23	\$203	59	\$3.43
November 2021	01	\$3,167	16	\$197.92
	02	\$590	38	\$15.53
	03	\$608	20	\$30.41
	04	\$51	19	\$2.71
	05	\$80	12	\$6.64
	06	\$818	51	\$16.03
	07	\$737	40	\$18.44
	08	\$3	2	\$1.70
	09	\$15	5	\$2.93
	10	\$28	7	\$3.95
	11	\$810	28	\$28.92
	12	\$147	8	\$18.34
	13	\$77	11	\$7.03
	14	\$81	8	\$10.14
	15	\$16	7	\$2.30
	16	\$21	21	\$0.98
	17	\$0	34	\$0.00
	18	(\$26)	17	(\$1.51)
	19	(\$76)	9	(\$8.49)
	20	(\$333)	15	(\$22.22)
	21	\$35	5	\$6.99
	22	\$0	196	\$0.00
	23	\$0	54	\$0.00
December 2021	01	(\$121)	16	(\$7.58)
	02	\$41	38	\$1.07
	03	\$84	19	\$4.43
	04	\$57	19	\$2.98
	05	\$67	12	\$5.55
	06	\$363	54	\$6.72
	07	\$642	39	\$16.45
	08	\$4	3	\$1.39
	09	\$42	5	\$8.38
	10	\$81	7	\$11.55
	11	\$2,414	28	\$86.23
	12	\$316	8	\$39.46
	13	\$457	11	\$41.51
	14	\$327	8	\$40.90
	15	\$181	7	\$25.80
	16	\$1,671	21	\$79.57
	17	\$1,287	34	\$37.84
	18	\$1,029	18	\$57.14
	19	\$417	8	\$52.08
	20	\$2,927	15	\$195.16
	21	\$2,563	5	\$512.54
	22	\$33,410	198	\$168.74
	23	\$31	56	\$0.55
January 2022	01	\$1,597	16	\$99.82

	02	\$2,733	38	\$71.92
	03	\$2,047	20	\$102.34
	04	\$635	20	\$31.76
	05	\$432	12	\$35.99
	06	\$3,710	55	\$67.45
	07	\$2,001	37	\$54.09
	08	\$19	2	\$9.61
	09	\$117	6	\$19.42
	10	\$109	7	\$15.61
	11	\$2,079	28	\$74.27
	12	\$193	8	\$24.13
	13	\$459	11	\$41.74
	14	\$200	8	\$24.94
	15	\$77	7	\$10.93
	16	\$368	21	\$17.54
	17	\$133	34	\$3.91
	18	(\$68)	18	(\$3.77)
	19	(\$60)	8	(\$7.55)
	20	(\$813)	15	(\$54.19)
	21	\$324	4	\$80.99
	22	\$12,031	198	\$60.76
	23	\$4	59	\$0.07
February 2022	01	(\$355)	17	(\$20.89)
	02	(\$575)	37	(\$15.55)
	03	(\$590)	21	(\$28.11)
	04	(\$224)	19	(\$11.81)
	05	(\$52)	12	(\$4.37)
	06	(\$50)	54	(\$0.93)
	07	\$0	36	\$0.00
	08	\$1	2	\$0.38
	09	\$0	6	\$0.00
	10	\$0	8	\$0.00
	11	\$449	28	\$16.05
	12	\$108	8	\$13.47
	13	\$411	11	\$37.39
	14	\$224	8	\$27.98
	15	\$144	7	\$20.58
	16	\$1,214	21	\$57.82
	17	\$823	35	\$23.50
	18	\$773	17	\$45.48
	19	\$400	8	\$49.98
	20	\$1,924	15	\$128.27
	21	\$0	6	\$0.00
	22	\$29,262	198	\$147.79
	23	\$28	60	\$0.47
March 2022	01	\$1,978	16	\$123.63
	02	\$2,339	38	\$61.55
	03	\$2,138	21	\$101.83
	04	\$674	19	\$35.45
	05	\$431	12	\$35.90
	06	\$2,904	54	\$53.77
	07	\$1,757	36	\$48.81
	08	\$16	2	\$8.18
	09	\$142	6	\$23.59
	10	\$377	8	\$47.18
	11	\$4,530	28	\$161.77
	12	\$533	8	\$66.60
	13	\$712	11	\$64.74
	14	\$406	8	\$50.75
	15	\$219	7	\$31.23
	16	\$1,561	21	\$74.34
	17	\$1,081	35	\$30.88
	18	\$479	16	\$29.93
	19	\$664	10	\$66.40
	20	\$1,493	15	\$99.56



	21	\$5,645	7	\$806.48
	22	\$49,292	197	\$250.21
	23	\$51	58	\$0.88
April 2022	01	\$893	16	\$55.79
	02	\$896	38	\$23.59
	03	\$945	20	\$47.23
	04	\$266	19	\$13.98
	05	\$176	13	\$13.53
	06	\$2,088	53	\$39.40
	07	\$1,530	37	\$41.36
	08	\$10	2	\$4.94
	09	\$50	6	\$8.36
	10	\$57	8	\$7.12
	11	(\$465)	28	(\$16.60)
	12	(\$111)	8	(\$13.88)
	13	(\$124)	11	(\$11.24)
	14	(\$91)	8	(\$11.39)
	15	(\$37)	8	(\$4.64)
	16	(\$130)	20	(\$6.48)
	17	(\$93)	34	(\$2.72)
	18	(\$23)	17	(\$1.38)
	19	(\$78)	10	(\$7.84)
	20	(\$235)	15	(\$15.65)
	21	\$8,397	7	\$1,199.56
	22	(\$4,615)	195	(\$23.67)
	23	(\$9)	58	(\$0.15)
May 2022	01	(\$250)	18	(\$13.89)
	02	(\$140)	38	(\$3.69)
	03	(\$168)	19	(\$8.83)
	04	(\$95)	20	(\$4.73)
	05	(\$80)	13	(\$6.16)
	06	(\$616)	52	(\$11.84)
	07	(\$541)	36	(\$15.04)
	08	(\$3)	2	(\$1.54)
	09	(\$13)	6	(\$2.09)
	10	(\$9)	8	(\$1.09)
	11	\$0	28	\$0.00
	12	\$51	8	\$6.41
	13	\$27	10	\$2.65
	14	\$66	9	\$7.31
	15	\$9	8	\$1.10
	16	\$190	21	\$9.03
	17	\$530	34	\$15.59
	18	\$95	17	\$5.58
	19	\$161	9	\$17.86
	20	\$476	15	\$31.75
	21	(\$1,256)	7	(\$179.49)
	22	\$4,742	185	\$25.63
	23	\$0	56	\$0.00
June 2022	01	\$1,738	16	\$108.60
	02	\$225	38	\$5.93
	03	\$365	19	\$19.23
	04	\$694	19	\$36.50
	05	\$978	13	\$75.26
	06	\$3,189	51	\$62.52
	07	\$1,142	36	\$31.73
	08	\$0	2	\$0.00
	09	\$2,446	6	\$407.67
	10	\$745	7	\$106.49
	11	\$6,465	28	\$230.90
	12	\$7,070	8	\$883.78
	13	\$1,044	11	\$94.95
	14	\$40	9	\$4.48
	15	\$20	8	\$2.49
	16	\$65	21	\$3.07

		17	\$0	34	\$0.00
		18	\$0	18	\$0.00
		19	\$0	9	\$0.00
		20	\$0	15	\$0.00
		21	\$30,412	6	\$5,068.71
		22	\$5,523	193	\$28.62
PHA	September 2021	23	\$8	61	\$0.13
		01	\$0	547	\$0.00
		02	\$0	292	\$0.00
		03	\$0	531	\$0.00
		04	\$0	244	\$0.00
		05	\$0	203	\$0.00
		06	\$0	303	\$0.00
		07	\$0	216	\$0.00
		08	\$0	200	\$0.00
		09	\$0	255	\$0.00
		10	\$0	60	\$0.00
		11	\$0	31	\$0.00
		12	(\$0)	111	(\$0.00)
		13	\$0	215	\$0.00
		14	\$0	141	\$0.00
		15	\$0	159	\$0.00
		16	\$0	412	\$0.00
		17	\$0	255	\$0.00
		18	\$0	182	\$0.00
		19	\$0	29	\$0.00
		20	\$0	47	\$0.00
		22	\$0	159	\$0.00
	October 2021	01	\$43	549	\$0.08
		02	\$83	283	\$0.29
		03	\$390	528	\$0.74
		04	\$216	241	\$0.90
		05	\$315	205	\$1.54
		06	\$769	305	\$2.52
		07	\$920	218	\$4.22
		08	\$3,384	201	\$16.83
		09	\$1,501	244	\$6.15
		10	\$553	61	\$9.07
		11	\$71	29	\$2.45
		12	\$715	110	\$6.50
		13	\$1,543	213	\$7.25
		14	\$1,407	137	\$10.27
		15	\$1,562	158	\$9.88
		16	\$4,550	414	\$10.99
		17	\$3,061	253	\$12.10
		18	\$2,168	188	\$11.53
		19	\$377	32	\$11.79
		20	\$370	41	\$9.02
		22	\$57,549	159	\$361.94
	November 2021	01	\$4,746	543	\$8.74
		02	\$5,806	292	\$19.89
		03	\$276,696	529	\$523.06
		04	\$1,774	237	\$7.48
		05	\$1,314	208	\$6.32
		06	\$1,746	299	\$5.84
		07	\$1,495	213	\$7.02
		08	\$1,871	200	\$9.35
		09	\$1,726	238	\$7.25
		10	\$302	62	\$4.87
		11	\$156	31	\$5.04
		12	\$630	107	\$5.89
		13	\$888	212	\$4.19
		14	\$698	137	\$5.10
		15	\$380	159	\$2.39
		16	\$132	408	\$0.32

	17	\$1	257	\$0.00
	18	(\$117)	180	(\$0.65)
	19	(\$62)	30	(\$2.06)
	20	(\$53)	40	(\$1.32)
	22	\$0	159	\$0.00
December 2021	01	(\$629)	545	(\$1.15)
	02	\$154	292	\$0.53
	03	\$675	532	\$1.27
	04	\$588	235	\$2.50
	05	\$556	209	\$2.66
	06	\$607	302	\$2.01
	07	\$967	217	\$4.46
	08	\$780	202	\$3.86
	09	\$1,636	236	\$6.93
	10	\$567	64	\$8.87
	11	\$329	31	\$10.62
	12	\$1,022	109	\$9.37
	13	\$1,973	212	\$9.31
	14	\$2,001	138	\$14.50
	15	\$2,147	158	\$13.59
	16	\$5,192	413	\$12.57
	17	\$4,410	258	\$17.09
	18	\$3,746	184	\$20.36
	19	\$619	29	\$21.36
	20	\$578	40	\$14.45
	22	\$39,325	159	\$247.32
January 2022	01	\$9,526	547	\$17.41
	02	\$8,796	290	\$30.33
	03	\$10,832	527	\$20.55
	04	\$4,444	241	\$18.44
	05	\$3,420	205	\$16.68
	06	\$4,740	303	\$15.64
	07	\$2,959	216	\$13.70
	08	\$2,948	208	\$14.17
	09	\$3,437	237	\$14.50
	10	\$718	63	\$11.40
	11	\$278	32	\$8.69
	12	\$780	108	\$7.23
	13	\$1,401	212	\$6.61
	14	\$1,428	135	\$10.58
	15	\$734	152	\$4.83
	16	\$1,131	416	\$2.72
	17	\$435	256	\$1.70
	18	(\$27)	178	(\$0.15)
	19	(\$96)	29	(\$3.30)
	20	(\$120)	40	(\$3.00)
	22	\$9,976	157	\$63.54
February 2022	01	(\$2,113)	548	(\$3.86)
	02	(\$1,435)	289	(\$4.97)
	03	(\$2,915)	531	(\$5.49)
	04	(\$1,055)	237	(\$4.45)
	05	(\$372)	205	(\$1.82)
	06	\$35	300	\$0.12
	07	\$14	214	\$0.06
	08	\$98	207	\$0.48
	09	\$7	237	\$0.03
	10	(\$8)	66	(\$0.11)
	11	\$61	30	\$2.05
	12	\$479	110	\$4.36
	13	\$1,356	213	\$6.37
	14	\$1,570	138	\$11.38
	15	\$1,546	153	\$10.11
	16	\$3,599	414	\$8.69
	17	\$2,445	259	\$9.44
	18	\$2,465	178	\$13.85

	19	\$421	29	\$14.52
	20	\$337	40	\$8.42
	22	\$27,768	158	\$175.75
March 2022	01	\$7,968	548	\$14.54
	02	\$7,199	291	\$24.74
	03	\$9,266	524	\$17.68
	04	\$4,303	238	\$18.08
	05	\$3,370	205	\$16.44
	06	\$3,873	301	\$12.87
	07	\$3,031	217	\$13.97
	08	\$3,068	210	\$14.61
	09	\$4,470	235	\$19.02
	10	\$1,224	66	\$18.54
	11	\$595	31	\$19.20
	12	\$2,127	110	\$19.34
	13	\$3,942	214	\$18.42
	14	\$3,399	137	\$24.81
	15	\$3,199	150	\$21.32
	16	\$5,196	414	\$12.55
	17	\$3,420	259	\$13.20
	18	\$2,200	179	\$12.29
	19	\$365	30	\$12.17
	20	\$347	40	\$8.68
	22	\$45,248	157	\$288.20
April 2022	01	\$3,060	545	\$5.61
	02	\$3,794	288	\$13.17
	03	\$4,524	532	\$8.50
	04	\$2,257	236	\$9.56
	05	\$1,544	205	\$7.53
	06	\$3,190	308	\$10.36
	07	\$2,579	216	\$11.94
	08	\$2,580	211	\$12.23
	09	\$2,117	239	\$8.86
	10	\$239	64	\$3.74
	11	(\$44)	29	(\$1.53)
	12	(\$367)	111	(\$3.31)
	13	(\$768)	211	(\$3.64)
	14	(\$758)	138	(\$5.50)
	15	(\$669)	152	(\$4.40)
	16	(\$766)	412	(\$1.86)
	17	(\$304)	260	(\$1.17)
	18	(\$145)	180	(\$0.81)
	19	(\$62)	31	(\$2.00)
	20	(\$54)	40	(\$1.35)
	22	(\$6,187)	158	(\$39.16)
May 2022	01	(\$728)	550	(\$1.32)
	02	(\$719)	291	(\$2.47)
	03	(\$1,252)	520	(\$2.41)
	04	(\$1,276)	244	(\$5.23)
	05	(\$859)	206	(\$4.17)
	06	(\$1,364)	298	(\$4.58)
	07	(\$1,251)	213	(\$5.87)
	08	(\$1,420)	211	(\$6.73)
	09	(\$1,131)	237	(\$4.77)
	10	(\$135)	70	(\$1.93)
	11	(\$2)	29	(\$0.08)
	12	\$99	106	\$0.93
	13	\$254	208	\$1.22
	14	\$451	136	\$3.32
	15	\$268	147	\$1.82
	16	\$1,088	407	\$2.67
	17	\$1,305	260	\$5.02
	18	\$1,074	176	\$6.11
	19	\$209	32	\$6.54
	20	\$150	39	\$3.84

		22	\$5,245	157	\$33.41
	June 2022	01	\$2,752	545	\$5.05
		02	\$1,461	291	\$5.02
		03	\$4,035	518	\$7.79
		04	\$14,971	236	\$63.43
		05	\$15,112	209	\$72.30
		06	\$34,667	299	\$115.94
		07	\$101,566	217	\$468.05
		08	\$20,146	204	\$98.76
		09	\$16,283	236	\$69.00
		10	\$2,218	62	\$35.77
		11	\$518	29	\$17.87
		12	\$2,815	114	\$24.69
		13	\$3,842	210	\$18.30
		14	\$1,172	136	\$8.62
		15	\$635	144	\$4.41
		16	\$1,281	407	\$3.15
		17	\$242	257	\$0.94
		18	\$188	177	\$1.06
		19	(\$0)	31	(\$0.00)
		20	\$0	39	\$0.00
		22	\$6,460	158	\$40.89
Residential	September 2021	01	(\$1)	27,470	(\$0.00)
		02	\$4	24,495	\$0.00
		03	\$27	22,011	\$0.00
		04	\$23	17,626	\$0.00
		05	\$13	18,341	\$0.00
		06	\$9	22,094	\$0.00
		07	\$11	26,323	\$0.00
		08	(\$4)	25,802	(\$0.00)
		09	\$8	25,521	\$0.00
		10	\$2	22,448	\$0.00
		11	\$6	25,443	\$0.00
		12	\$7	27,659	\$0.00
		13	(\$1)	24,605	(\$0.00)
		14	\$3	22,416	\$0.00
		15	\$10	23,080	\$0.00
		16	\$9	26,271	\$0.00
		17	\$0	20,661	\$0.00
		18	\$0	29,060	\$0.00
		19	\$13	27,817	\$0.00
		20	\$2	28,907	\$0.00
		21	\$0	6	\$0.00
		22	\$0	38	\$0.00
	October 2021	01	\$1,514	27,901	\$0.05
		02	\$2,924	24,024	\$0.12
		03	\$6,052	20,983	\$0.29
		04	\$9,119	17,896	\$0.51
		05	\$14,854	18,767	\$0.79
		06	\$38,578	22,470	\$1.72
		07	\$65,687	26,171	\$2.51
		08	\$77,693	26,001	\$2.99
		09	\$103,395	25,489	\$4.06
		10	\$117,124	22,224	\$5.27
		11	\$75,826	25,838	\$2.93
		12	\$65,449	27,285	\$2.40
		13	\$88,456	24,441	\$3.62
		14	\$106,437	22,297	\$4.77
		15	\$117,658	22,866	\$5.15
		16	\$130,596	26,692	\$4.89
		17	\$109,620	20,438	\$5.36
		18	\$163,524	29,104	\$5.62
		19	\$197,405	27,971	\$7.06
		20	\$192,060	28,493	\$6.74
		21	\$7	6	\$1.16

	22	\$418	36	\$11.60
November 2021	01	\$126,935	27,885	\$4.55
	02	\$97,497	24,685	\$3.95
	03	\$104,606	21,124	\$4.95
	04	\$89,675	17,248	\$5.20
	05	\$95,370	19,073	\$5.00
	06	\$92,939	22,081	\$4.21
	07	\$104,531	25,968	\$4.03
	08	\$113,795	25,802	\$4.41
	09	\$104,650	25,723	\$4.07
	10	\$72,165	22,169	\$3.26
	11	\$72,191	25,480	\$2.83
	12	\$90,724	27,062	\$3.35
	13	\$73,672	24,160	\$3.05
	14	\$48,858	22,203	\$2.20
	15	\$40,367	24,052	\$1.68
	16	\$9,777	26,209	\$0.37
	17	\$1,851	20,179	\$0.09
	18	(\$10,893)	29,343	(\$0.37)
	19	(\$46,828)	27,807	(\$1.68)
	20	(\$63,701)	28,379	(\$2.24)
		21	\$19	6
	22	\$8	38	\$0.21
December 2021	01	(\$24,641)	27,907	(\$0.88)
	02	\$5,523	24,574	\$0.22
	03	\$19,876	21,546	\$0.92
	04	\$35,820	17,542	\$2.04
	05	\$46,086	19,234	\$2.40
	06	\$37,442	22,019	\$1.70
	07	\$86,135	26,319	\$3.27
	08	\$66,506	26,085	\$2.55
	09	\$112,258	25,465	\$4.41
	10	\$158,291	22,460	\$7.05
	11	\$203,795	25,520	\$7.99
	12	\$179,676	27,630	\$6.50
	13	\$186,259	24,528	\$7.59
	14	\$176,468	22,485	\$7.85
	15	\$236,715	23,105	\$10.25
	16	\$297,406	26,589	\$11.19
	17	\$271,800	20,488	\$13.27
	18	\$430,787	29,236	\$14.73
	19	\$510,173	27,644	\$18.46
	20	\$551,038	28,535	\$19.31
		21	\$22	6
	22	\$993	38	\$26.13
January 2022	01	\$403,816	28,141	\$14.35
	02	\$323,287	24,635	\$13.12
	03	\$323,615	21,071	\$15.36
	04	\$290,436	18,433	\$15.76
	05	\$292,191	19,230	\$15.19
	06	\$291,023	22,301	\$13.05
	07	\$273,068	26,262	\$10.40
	08	\$260,368	26,234	\$9.92
	09	\$268,244	25,521	\$10.51
	10	\$216,561	22,422	\$9.66
	11	\$191,455	25,953	\$7.38
	12	\$152,195	27,252	\$5.58
	13	\$147,303	24,843	\$5.93
	14	\$141,247	22,516	\$6.27
	15	\$90,801	23,172	\$3.92
	16	\$72,831	26,659	\$2.73
	17	\$32,161	20,344	\$1.58
	18	\$2,833	29,223	\$0.10
	19	(\$75,402)	27,717	(\$2.72)
	20	(\$143,509)	28,619	(\$5.01)

	21	\$52	6	\$8.75
	22	\$275	37	\$7.43
February 2022	01	(\$91,203)	28,362	(\$3.22)
	02	(\$68,844)	24,728	(\$2.78)
	03	(\$90,555)	21,570	(\$4.20)
	04	(\$66,772)	17,807	(\$3.75)
	05	(\$30,818)	19,251	(\$1.60)
	06	\$295	22,312	\$0.01
	07	\$1,202	25,961	\$0.05
	08	\$10,653	26,481	\$0.40
	09	\$220	25,597	\$0.01
	10	\$1,126	22,431	\$0.05
	11	\$40,255	25,873	\$1.56
	12	\$92,049	27,592	\$3.34
	13	\$129,453	24,608	\$5.26
	14	\$146,584	22,588	\$6.49
	15	\$174,970	23,215	\$7.54
	16	\$201,869	26,516	\$7.61
	17	\$160,758	20,667	\$7.78
	18	\$291,754	28,967	\$10.07
	19	\$345,566	27,750	\$12.45
	20	\$346,378	28,573	\$12.12
	21	\$0	4	\$0.00
	22	\$649	38	\$17.08
March 2022	01	\$340,707	28,826	\$11.82
	02	\$283,467	24,855	\$11.40
	03	\$301,185	21,358	\$14.10
	04	\$268,751	17,859	\$15.05
	05	\$281,813	19,124	\$14.74
	06	\$240,211	22,534	\$10.66
	07	\$260,379	26,220	\$9.93
	08	\$264,139	26,227	\$10.07
	09	\$334,080	25,744	\$12.98
	10	\$330,368	22,426	\$14.73
	11	\$398,583	26,037	\$15.31
	12	\$386,925	27,541	\$14.05
	13	\$361,063	24,630	\$14.66
	14	\$288,663	22,629	\$12.76
	15	\$331,226	23,079	\$14.35
	16	\$301,647	26,887	\$11.22
	17	\$212,888	20,672	\$10.30
	18	\$285,456	29,171	\$9.79
	19	\$295,237	27,949	\$10.56
	20	\$299,183	28,606	\$10.46
	21	\$46	4	\$11.47
	22	\$1,124	38	\$29.59
April 2022	01	\$127,838	28,240	\$4.53
	02	\$114,457	24,759	\$4.62
	03	\$139,174	21,689	\$6.42
	04	\$138,254	17,720	\$7.80
	05	\$125,039	19,128	\$6.54
	06	\$184,141	22,761	\$8.09
	07	\$209,858	26,313	\$7.98
	08	\$198,822	26,212	\$7.59
	09	\$143,150	25,580	\$5.60
	10	\$64,216	22,593	\$2.84
	11	(\$29,827)	25,786	(\$1.16)
	12	(\$60,068)	27,577	(\$2.18)
	13	(\$67,387)	24,323	(\$2.77)
	14	(\$60,451)	22,876	(\$2.64)
	15	(\$68,085)	23,110	(\$2.95)
	16	(\$42,820)	26,655	(\$1.61)
	17	(\$16,652)	20,542	(\$0.81)
	18	(\$17,864)	28,388	(\$0.63)
	19	(\$42,317)	27,481	(\$1.54)

	20	(\$45,580)	28,452	(\$1.60)
	21	\$42	4	\$10.42
	22	\$535	37	\$14.45
May 2022	01	(\$23,241)	28,705	(\$0.81)
	02	(\$18,573)	24,961	(\$0.74)
	03	(\$31,830)	20,990	(\$1.52)
	04	(\$69,251)	17,819	(\$3.89)
	05	(\$62,246)	19,236	(\$3.24)
	06	(\$69,350)	22,220	(\$3.12)
	07	(\$90,640)	26,128	(\$3.47)
	08	(\$95,528)	25,926	(\$3.68)
	09	(\$67,166)	25,224	(\$2.66)
	10	(\$29,572)	22,786	(\$1.30)
	11	(\$898)	25,679	(\$0.03)
	12	\$15,748	27,545	\$0.57
	13	\$17,655	24,213	\$0.73
	14	\$38,521	22,807	\$1.69
	15	\$25,134	23,034	\$1.09
	16	\$53,315	26,681	\$2.00
	17	\$72,292	20,630	\$3.50
	18	\$137,534	28,932	\$4.75
	19	\$144,574	27,788	\$5.20
	20	\$364,289	28,492	\$12.79
	21	(\$16)	4	(\$3.99)
	22	\$543	38	\$14.30
June 2022	01	\$96,465	27,840	\$3.46
	02	\$54,988	24,570	\$2.24
	03	\$92,654	21,873	\$4.24
	04	\$841,082	17,656	\$47.64
	05	\$997,036	19,286	\$51.70
	06	\$1,854,460	22,221	\$83.46
	07	\$1,669,022	26,235	\$63.62
	08	\$1,543,453	26,192	\$58.93
	09	\$1,226,342	25,332	\$48.41
	10	\$651,424	22,476	\$28.98
	11	\$538,404	25,412	\$21.19
	12	\$434,050	27,880	\$15.57
	13	\$352,255	24,860	\$14.17
	14	\$118,395	22,591	\$5.24
	15	\$109,077	23,153	\$4.71
	16	\$57,972	26,341	\$2.20
	17	\$71,330	20,976	\$3.40
	18	\$16,036	28,902	\$0.55
	19	\$11,837	27,803	\$0.43
	20	\$10,806	28,839	\$0.37
	21	\$29	4	\$7.31
	22	\$353	39	\$9.04



**VERIFICATION**

I, Michael Artuso, hereby state that: (1) I am Director, Regulatory Strategy, for Philadelphia Gas Works (“PGW”); (2) the facts set forth in the attached discovery responses which I am sponsoring are true and correct to the best of my knowledge, information and belief; and (3) I expect to be able to prove the same at a hearing held in this matter. I understand that the statements herein are made subject to the penalties of 18 Pa. C.S. § 4904 (relating to unsworn falsification to authorities).

March 14, 2023

\_\_\_\_\_  
Dated

*/s/ Michael Artuso*

\_\_\_\_\_  
Michael Artuso  
Director, Regulatory Strategy  
Philadelphia Gas Works

**BEFORE THE PENNSYLVANIA PUBLIC UTILITY COMMISSION**

Pennsylvania Public Utility Commission	:	Docket Nos.	R-2022-3034229
	:		P- 2022-3034264
v.	:		
	:		
Philadelphia Gas Works	:		

SURREBUTTAL TESTIMONY OF HARRY S. GELLER, ESQ.

ON BEHALF OF

THE COALITION FOR AFFORDABLE UTILITY SERVICES AND  
ENERGY EFFICIENCY IN PENNSYLVANIA (“CAUSE-PA”)

May 12, 2023

1                   **PREPARED SURREBUTTAL TESTIMONY OF HARRY S. GELLER**

2   **Q:     Please state your name, occupation, and business address.**

3   A:     My name is Harry S. Geller. I am an attorney. I am retired as the Executive Director of the  
4   Pennsylvania Utility Law Project (PULP), but have maintained an office at 118 Locust St.,  
5   Harrisburg, PA 17101 for the purpose of providing consulting services and assistance to low  
6   income individuals and the organizations which represent them in utility and energy matters.

7   **Q:     Did you previously submit testimony in this proceeding?**

8   A:     Yes. I submitted direct testimony on behalf of the Coalition for Affordability Utility  
9   Services and Energy Efficiency in Pennsylvania (CAUSE-PA) pre-marked as CAUSE-PA  
10   Statement 1. In my direct testimony, I explained that CAUSE-PA is concerned about the effects  
11   of PGW’s WNA on its low income customers’ ability to maintain gas service by shifting the  
12   financial risk of warming weather onto residential customers resulting in consistently and  
13   increasingly higher charges for consumers.<sup>1</sup> I further explained that Philadelphia has a poverty rate  
14   double that of Pennsylvania statewide and that PGW has confirmed that nearly one in four of its  
15   customers are low income and estimates over one in three to be low income.<sup>2</sup> I explained that these  
16   customers simply cannot afford the extra WNA charges, and it is both unjust and unreasonable to  
17   assess a charge for gas that low income households are not using as a result of warming  
18   temperatures because every dollar of added cost from the WNA disproportionately impacts low  
19   income customers’ ability to afford basic necessities.<sup>3</sup> I concluded that PGW has failed to provide  
20   substantial evidence that its proposed 25% cap will produce just and reasonable rates.<sup>4</sup>

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<sup>1</sup> CAUSE-PA St. 1 at 4.

<sup>2</sup> Id. at 6.

<sup>3</sup> Id. at 7-11.

<sup>4</sup> Id. at 15.

1 **Q: What is the purpose of your surrebuttal testimony?**

2 A: My surrebuttal testimony responds to the rebuttal testimony of Philadelphia Gas Works  
3 Witness Denise Adamucci.<sup>5</sup> Unless required for context in providing a further response to rebuttal  
4 testimony, I will not reiterate the extensive arguments and evidence that I provided in direct  
5 testimony and stand firmly on the evaluation, analysis, and recommendations contained therein.

6 **Q: Please summarize the rebuttal testimony to which your surrebuttal responds.**

7 A: In her rebuttal testimony, Ms. Adamucci attempts to distinguish PGW’s WNA from similar  
8 mechanisms operated by other utilities by arguing that PGW’s WNA “provides revenue neutrality  
9 and not increased profitability.”<sup>6</sup> She claims that any reference to PGW shifting the risk of  
10 warming climate onto its customers overlooks that PGW is owned by the City of Philadelphia.<sup>7</sup>  
11 Furthermore, inappropriately and without basis, Ms. Adamucci asserts that I am attempting to  
12 insert into this 25% cap request proceeding a goal of abolishing all WNAs in Pennsylvania.<sup>8</sup>

13 **Q: What is your response to Ms. Adamucci’s argument that by shifting the risk of**  
14 **warming weather onto customers, PGW’s WNA “provides revenue neutrality and not**  
15 **increased profitability” and that you overlook that the City of Philadelphia owns PGW?**

16 A: Regardless of its ownership, PGW has a duty to charge its customers just and reasonable  
17 rates. The WNA violates this basic tenet because it charges residential customers more than they  
18 should have to pay – with the disparate impacts of the additional cost falling hardest on low income  
19 consumers. PGW’s argument that the WNA simply allows it to recover the level of revenue  
20 authorized by the Commission focuses solely on the benefits of the WNA to PGW’s cash flow but

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<sup>5</sup> PGW St. 1-R.

<sup>6</sup> Id. at 6-8.

<sup>7</sup> Id. at 8.

<sup>8</sup> Id. at 19.

1 ignores the disparate and detrimental impacts that the alternative rate mechanism has on consumers  
2 and, specifically, its low income customers. The issue relevant to this matter is the design of  
3 PGW's proposed alternative rate structure – and whether that rate structure is resulting in just and  
4 reasonable rates for consumers. While revenue stability is a factor the Commission considers in  
5 reviewing alternative rate design, there are a plethora of other explicit factors that the Commission  
6 must also consider when reviewing and approving an alternative rate design proposal such as the  
7 WNA, including its impact on low income consumers.<sup>9</sup>

8         The WNA consistently and increasingly levies substantial, unexpected charges on  
9 residential customers that low income customers simply cannot afford. As explained in my direct  
10 testimony, there is evidence that PGW's WNA punishes those who save energy through  
11 conservation and efficiency, undermining critical efficiency goals and denying families the ability  
12 to reduce energy costs through careful conservation and installation of efficiency measures.<sup>10</sup> It is  
13 clear from a review of the operation of PGW's WNA that it is not serving its intended purpose to  
14 balance the risk of abnormal weather - and instead consistently produces higher bills for residential  
15 customers without any articulable benefit. The disparate impact on consumers who use less gas  
16 through conservation and efficiency will only get worse as the climate gets warmer, undermining  
17 critical efficiency goals.

18         PGW's WNA fails to equitably balance the risks of abnormal weather without penalizing  
19 consumers who are actively working to reduce their consumption.

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<sup>9</sup> 52 Pa. Code § 69.3302.

<sup>10</sup> CAUSE-PA St. 1 at 10-11, 14-15.

1 **Q: What is your response to Ms. Adamucci’s claim that you are attempting to insert into**  
2 **this proceeding a goal of abolishing all WNAs in Pennsylvania?**

3 A: This statement is inappropriate and without basis. I review all proposed rate mechanism  
4 modifications to ensure that the protections, policies, and services provided to consumers are not  
5 reduced and that low income consumers can afford utility services to their home.<sup>11</sup> My focus in  
6 this case is the protection of PGW’s low income customers from inequitable rate mechanisms.

7 In launching the most recent statewide inquiry into alternative rate design, which  
8 culminated in the adoption of formal Commission policy, then-Commissioner David W. Sweet  
9 highlighted the critical importance of considering the rate impact on all consumers, “especially  
10 those who are considered low-income or income challenged. Because these segments of the  
11 population are most vulnerable and are affected by even the slightest of rate changes, a careful  
12 approach must be taken in making any rate methodology changes.”<sup>12</sup>

13 **Q: Ms. Adamucci asserts that you made a factually incorrect statement in your direct**  
14 **testimony regarding the impact of PGW’s Customer Assistance Program, known as CRP.<sup>13</sup>**  
15 **How do you respond?**

16 A: I wish to clarify that passage of my direct testimony. As initially phrased, my statement  
17 cited the average income of CRP customers and indicated that they could pay up to 10% of their  
18 income toward WNA charges. I intended to note that low income customers at that level of income,

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<sup>11</sup> Natural Gas Choice Act, § 2203. Standards for restructuring of natural gas utility industry

(7) The commission shall, at a minimum, continue the level and nature of the consumers protections, policies and services within its jurisdiction that are in existence as of the effective date of this chapter to assist low-income retail gas customers to afford natural gas services.

<sup>12</sup> Fixed Utility Distribution Rates Policy Statement, Docket M-2015-2518883, March 2, 2017, Stmt. of Comm’n Sweet at 1.

<sup>13</sup> PGW St. 1R at 18:8-10.

1 *who are not enrolled in CRP*, could pay 10% or more of their income for the WNA charge alone.  
2 I referenced the average income of CRP customers because PGW does not track income  
3 information for its confirmed low income customers and was only able to provide average income  
4 data for confirmed low income customers enrolled in CRP.<sup>14</sup> Considering that 72% of PGW’s  
5 estimated low income customers are not enrolled in CRP, this observation applies to a substantial  
6 number of PGW’s low income customers.<sup>15</sup> These customers have no protection from the unjust  
7 and inequitable financial burden imposed by PGW’s WNA.

8 I also remain concerned about the impact of PGW’s WNA on CRP participants enrolled in  
9 the average bill rate. Counsel for CAUSE-PA served discovery on May 3, 2023, further probing  
10 this issue. Responses are due on May 15, 2023, after the deadline for surrebuttal to be served on  
11 the parties.<sup>16</sup> I reserve the right to amend my testimony pending review of PGW’s discovery  
12 responses.

13 **Q: Ms. Adamucci points out that, in your direct testimony, you presented a calculation**  
14 **of a customer’s WNA charge, under the proposed 25% and claims that you are “complaining**  
15 **that the total ‘Delivery Charges’ contain too many components.”<sup>17</sup> What is your response?**

16 A: That example was taken directly from PGW’s Weather Normalization Adjustment Report  
17 to the Pennsylvania Public Utility Commission.<sup>18</sup> My complaint is not about the number of

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<sup>14</sup> See CAUSE-PA St. 1 at 6, fn.11.

<sup>15</sup> *Id.* at 9 (PGW has approximately 187,901 estimated low income customers).

<sup>16</sup> Note that CAUSE-PA served its requests the day after service of rebuttal testimony, but the time frame between service of rebuttal testimony and surrebuttal testimony in this proceeding is only 10 days, while the turnaround time for discovery responses is also 10 days.

<sup>17</sup> PGW St. 1R at 18:15-19:3.

<sup>18</sup> See CAUSE-PA St. 1 at 13:19-14:2; see also PGW Weather Normalization Adjustment Report to the Pennsylvania Public Utility Commission, P-2022-3033477, at p. 13 (Aug. 12, 2022) (Explaining Example #1 in Section IV WNA Formula. “The total Bill Charge in this Example were \$143.25. Excluding the WNA of \$106.29, total charges were \$36.96. The 25% cap would be \$9.24.”).

1 components in the charge, but of the inequities caused by the application of the charge and the  
2 effect of the increased cost on low income customers.<sup>19</sup>

3 **Q: Does this conclude your direct testimony?**

4 **A: Yes.**

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<sup>19</sup> CAUSE-PA St. 1 at 14.



**BEFORE THE PENNSYLVANIA PUBLIC UTILITY COMMISSION**

Pennsylvania Public Utility Commission :  
v. :  
Philadelphia Gas Works : Docket Nos. R-2022-3034229  
: P- 2022-3034264  
:

---

**VERIFICATION**

I, Harry Geller, verify that the following testimony was prepared by me or under my direct supervision, and are true and correct to the best of my knowledge, information, and belief:

- Direct Testimony of Harry Geller on Behalf of the Coalition for Affordable Utility Services and Energy Efficiency in Pennsylvania (CAUSE-PA Statement 1) & Appendices A and B.
- Surrebuttal Testimony of Harry Geller on Behalf of the Coalition for Affordable Utility Services and Energy Efficiency in Pennsylvania (CAUSE-PA Statement 1-SR).

I understand that the statements herein are made subject to the penalties of 18 Pa. C.S. § 4904 (relating to unsworn falsification to authorities).



\_\_\_\_\_  
Harry Geller  
118 Locust Street  
Harrisburg, PA 17101

Date: May 24, 2023

COMMONWEALTH OF PENNSYLVANIA



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Consumer Advocate

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April 13, 2023

**Via Electronic Mail and FedEx**  
The Honorable Marta Guhl  
Office of Administrative Law Judge  
Pennsylvania Public Utility Commission  
801 Market Street, Suite 4063  
Philadelphia, PA 19107

Re: Pennsylvania Public Utility Commission  
v.  
Supplement No. 152 to Gas Service Tariff –  
Pa. P.U.C. of Philadelphia Gas Works  
Docket No. R-2022-3034229

Petition of Philadelphia Gas Works for  
Approval on Less than Statutory Notice  
of Tariff Supplement Revising Weather  
Normalization Adjustment  
Docket No. P-2022-3034264

Dear Judge Guhl:

Enclosed please find a copy of the Direct Testimony being submitted on behalf of the Office of Consumer Advocate in the above-referenced proceeding, as follows:

OCA Statement 1: Direct Testimony of Ron Nelson

Copies have been emailed to the parties listed on the enclosed Certificate of Service. A hard copy of all testimony will be sent by FedEx to the Office of Administrative Law Judge, per the directive of the Presiding Officer in the Prehearing Order dated February 22, 2023.

Respectfully submitted,

/s/ Christy M. Appleby  
Christy M. Appleby  
Senior Assistant Consumer Advocate  
PA Attorney I.D. # 85824  
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Enclosures:

cc: PUC Secretary Rosemary Chiavetta, (Letter and Certificate of Service only)  
Certificate of Service

\*344369

## CERTIFICATE OF SERVICE

Pennsylvania Public Utility Commission :  
v. : Docket No. R-2022-3034229  
Supplement No. 152 to Gas Service Tariff – :  
Pa. P.U.C. of Philadelphia Gas Works :

Petition of Philadelphia Gas Works for :  
Approval on Less than Statutory Notice : Docket No. P-2022-3034264  
of Tariff Supplement Revising Weather :  
Normalization Adjustment :

I hereby certify that I have this day served a true copy of the following document, the Office of Consumer Advocate's Direct Testimony as follows:

OCA Statement 1: Direct Testimony of Ron Nelson

upon parties of record in this proceeding in accordance with the requirements of 52 Pa. Code § 1.54 (relating to service by a participant), in the manner and upon the persons listed below:

Dated this 13<sup>th</sup> day of April 2023.

### **SERVICE BY E-MAIL ONLY**

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Dated: April 13, 2023  
\*344220

BEFORE THE  
PENNSYLVANIA PUBLIC UTILITY COMMISSION

PENNSYLVANIA PUBLIC UTILITY :  
COMMISSION :  
V. : DOCKET NOS. R-2022-3034229  
PHILADELPHIA GAS WORKS : and P-2022-3034264  
:

DIRECT TESTIMONY

OF

RON NELSON  
SENIOR DIRECTOR  
STRATEGEN CONSULTING

ON BEHALF OF  
THE OFFICE OF CONSUMER ADVOCATE

April 13, 2023

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1 I. INTRODUCTION

2

3 Q. Please state your name, business address, and occupation.

4 A. My name is Ron Nelson. I am a Senior Director with Strategen Consulting. My  
5 business address is 10265 Rockingham Dr., Suite #100-4061, Sacramento, CA  
6 95827.

7 Q. On whose behalf are you testifying in this proceeding?

8 A. I am testifying on behalf of the Office of the Consumer Advocate.

9 Q. Please describe your formal education and professional experience.

10 A. Currently, I am a Senior Director at Strategen Consulting. The Strategen team is  
11 nationally recognized for its thought leadership and deep expertise in rate  
12 design, renewable program development, grid modernization, and new grid  
13 technologies including distributed and centralized renewable energy, energy  
14 storage, smart grid technologies, and electric vehicles. During my time at  
15 Strategen, I have worked with numerous consumer advocates on issues related  
16 to cost of service modeling, rate design, grid modernization, distributed energy  
17 resource (“DER”) valuation and integration, and performance-based regulation  
18 (“PBR”).

19 Before joining Strategen in early 2018, I worked for the Minnesota  
20 Attorney General’s Office for almost five years, where I led the Office’s work on  
21 cost of service, rate design, renewable energy program design, and performance-  
22 based regulation. Before that, I worked for two universities and the United States  
23 Geological Survey as an economic researcher. I have a Master of Science from

1 Colorado State University in Agriculture and Resource Economics, and a  
2 Bachelor of Arts in Environmental Economics and a Minor in Mathematics from  
3 Western Washington University.

4 **Q. Have you testified in similar regulatory proceedings previously?**

5 A. Yes. I have testified in over 50 proceedings in Minnesota, Michigan, Ohio,  
6 Pennsylvania, Oklahoma, Maine, Indiana, Illinois, Georgia, Utah, Massachusetts,  
7 Maryland, New Hampshire, North Dakota, and Vermont. The issues covered in  
8 these proceedings include marginal and embedded cost of service studies,  
9 revenue apportionment, rate design, load management, renewable program  
10 design, fuel clause adjustments, formula rates, decoupling, performance-based  
11 regulation, multi-year rate plans, performance metrics, distributed energy  
12 resource (“DER”) interconnection, DER compensation, DER integration, EV  
13 infrastructure investments, pilot frameworks, automated metering infrastructure,  
14 prudence review, distribution system planning, capital investment plan review,  
15 and smart inverter integration.

16 I have also assisted with testimonies and regulatory analysis in Hawai’i,  
17 Washington, D.C., Colorado, California, North Carolina, South Carolina, Iowa,  
18 Kentucky, Washington, Oregon, and the Federal Energy Regulatory Commission  
19 (“FERC”).

20 A summary of my resume is attached as Schedule REN-1.

21



1 **Q. Have you previously provided testimony before the Pennsylvania Public**  
2 **Utility Commission (“Commission”)?**

3 A. Yes. I submitted testimony on behalf of the OCA regarding PPL Electric Utilities’  
4 DER Management Plan in Docket No. P-2019-3010128. I also submitted  
5 testimony on behalf of the OCA regarding PECO Energy Company – Electric  
6 Division’s Electric Vehicle (“EV”) Charging Pilot in Docket No. R-2021-3024601  
7 as well as Duquesne Light Company’s Transportation Electrification (“TE”)  
8 Programs in Docket No. R-2021-3024750.

9 **Q. What is the purpose of your testimony?**

10 A. The purpose of my testimony is to respond to the Direct Testimony of PGW  
11 Witness Denise Adamucci (Statement No. 1) and evaluate and propose  
12 alternatives to Philadelphia Gas Works’ (“PGW”) proposal of a 25 percent cap on  
13 charges and credits related to PGW’s Weather Normalization Adjustment  
14 (“WNA”).

15 **Q. How is your testimony organized?**

16 A. Section II provides an overview of PGW’s WNA and the objectives of decoupling  
17 mechanisms; Section III analyzes PGW’s WNA and the May 2022 event that  
18 triggered this proceeding; and Section IV contains my recommendations.

19 **II. OVERVIEW OF PGW’S WNA AND DECOUPLING OBJECTIVES**  
20

21 **Q. What is a WNA?**

22 A. A WNA is a form of revenue decoupling mechanism.  
23

1 Q. **What is a decoupling mechanism?**

2 A. A decoupling mechanism addresses the utility throughput incentive by ensuring  
3 that revenue recovery does not depend on variations in energy consumption  
4 and/or weather. Decoupling can reduce or eliminate the impact on a utility's  
5 allowed revenues from exogenous impacts such as weather and energy  
6 efficiency, ensuring utility cost recovery according to a predetermined formula.  
7 There are two primary approaches to decoupling: 1) full decoupling adjusts  
8 ("true-up") rates to achieve the allowed revenue regardless of what caused the  
9 deviation in sales (weather, energy efficiency); 2) limited decoupling adjusts rates  
10 to address only a specific cause of sales variation (known as a weather  
11 normalization adjustment when accounting for weather, for example).

12 To implement a decoupling mechanism, a number of design elements  
13 must be determined along with associated assumptions. Some examples of the  
14 design options and key assumptions are (1) whether decoupling be applied at the  
15 customer, class, or system level, (2) the utility's sales forecast, (3) how frequently  
16 true-ups occur (e.g., monthly, quarterly, or annually), (4) does the mechanism  
17 have a rate adjustment cap, if so, what is it, and (5) what are the specific  
18 mathematical formulas used for the mechanism. There are just a few of the  
19 design options and assumptions underlying each decoupling mechanism. Any  
20 one design flaw or questionable assumption can shift excessive risk to ratepayers  
21 and may ultimately make the decoupling mechanism unreasonable.

1           A comprehensive and properly implemented decoupling mechanism can  
2           theoretically benefit both customers and the utility. As noted above, however,  
3           there are several assumptions that make this outcome infrequent and context  
4           specific. In some instances, decoupling can protect customers from extreme  
5           weather events that could have otherwise resulted in excessive bills. Regardless  
6           of whether customers benefit from the presence of decoupling, however, utilities  
7           always benefit from improved revenue collection. The improved revenue  
8           collection can lower utility risk and translate to improved bond ratings and  
9           sometimes lower allowed return on equity (for investor-owned utilities).<sup>1</sup>

10           Furthermore, any comprehensive and properly implemented decoupling  
11           mechanism must be supported through the broader regulatory framework. To  
12           ensure benefits flow to customers, regulators must take explicit action on related  
13           issues such as rate design, energy burden, and energy efficiency. Without such  
14           explicit actions tied to decoupling, customers may benefit little and utilities may  
15           realize most, or all, benefits associated with the mechanism.

16   **Q. Can decoupling address different causes of utility sales disruption?**

17   A. Yes. Full decoupling establishes a cost recovery mechanism intended to secure a  
18           utility's revenue requirement regardless of what causes sales disruptions. One  
19           such approach is to establish a "revenue-per-customer" target for each utility

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<sup>1</sup> Migden-Ostrander, J., and Sedano, R. (2016). *Decoupling Design: Customizing Revenue Regulation to Your State's Priorities*. Montpelier, VT: Regulatory Assistance Project. Page 37 Available at: <http://www.raponline.org/knowledge-center/decouplingdesign-customizing-revenue-regulation-state-priorities>

1 customer and adjust customer rates to meet the predetermined revenue target.  
2 This can provide some rate stability and renders the utility indifferent to actual  
3 sale volumes. Of course, rate stability in and of itself is an illusory benefit if not  
4 coupled with bill affordability for consumers and there is nothing inherent in  
5 decoupling that makes bills more affordable – hence the need discussed above to  
6 tie specific utility actions to the benefit it receives from decoupling.

7 On the other hand, limited decoupling mechanism only adjusts for a  
8 single variable impacting sales. The most common such mechanism, especially  
9 for natural gas utilities, adjusts rates based on weather. This approach mitigates  
10 weather-related rate impacts, limiting customer costs during extended periods of  
11 extreme cold and allowing the utility to recover more revenue during extended  
12 periods with warmer than average temperatures.

13 PGW uses a form of limited decoupling to stabilize its revenues against  
14 changes in sales due to abnormal weather.

15 **Q. How does PGW's WNA operate?**

16 A. PGW's WNA has been in place since before PGW became PUC regulated and  
17 permits the utility to adjust gas sales revenue to levels determined to be  
18 "normal" and upon which distribution rates are designed in a base rate  
19 proceeding. The WNA is designed to balance out the effects of so called  
20 "abnormal" weather by permitting PGW to true-up its revenues: if temperatures  
21 are warmer than expected, the utility recovers additional revenue from  
22 customers to make up the deficit, and when temperatures are colder than

1 expected, the utility returns excess to customers. PGW's WNA acts as a limited  
2 decoupling mechanism by normalizing gas consumption in accordance with an  
3 approved temperature forecast, known as Normal Heating Degree Days  
4 ("NHDD"). The heating season stretches from October to May and the forecast  
5 assumes no heating in the summer months (June through September). A  
6 predetermined formula assesses the difference in actual usage from normalized  
7 usage by comparing temperature readings, known as Actual Heating Degree  
8 Days ("AHDD"), with NHDD. The delta (i.e., difference) in usage, multiplied by  
9 the distribution delivery charge, is applied as a charge, or reimbursement, to  
10 customer rates, effectively reconciling revenues. The intent of PGW's WNA, like  
11 revenue decoupling, is to share weather risk between the utility and its  
12 customers, ultimately stabilizing revenues for the utility. The formula does not  
13 adjust customer bills such that the utility earns a fixed revenue. Actual utility  
14 WNA revenues are ultimately a function of actual customer usage and  
15 deviations from weather forecasts. Furthermore, the WNA only applies to  
16 weather-related demand fluctuations, actual utility revenues can vary due to  
17 other factors such as energy efficiency and electrification. Fuel costs are a pass  
18 through costs and are not directly implicated within the WNA. Under any form  
19 of decoupling mechanism, regulators must carefully balance how risk shifts  
20 between utilities and ratepayers to ensure that ratepayers equally benefit.

1 **III. ANALYSIS OF PGW’S WEATHER NORMALIZATION ADJUSTMENT AND**  
2 **MAY 2022 EVENT**

3 **Q. What event precipitated the current proceeding?**

4 A. In May 2022, temperatures in Philadelphia were unusually warm and gas  
5 consumption was low. Due to the WNA, some customers in particular PGW  
6 billing groups faced disproportionately high gas bills solely because of a high  
7 WNA charge. The impacts of those adjustments were so substantial that PGW  
8 eventually reversed the WNA charges for May 2022 usage, thus reimbursing  
9 customers for the excessive charges.<sup>2</sup>

10 **Q. Were PGW’s customers equally impacted by the May 2022 event?**

11 A. No. Many customers experienced minor rate impacts for the unseasonable warm  
12 weather, but a subset of customers was significantly impacted. A customer’s  
13 billing cycle determined whether they experienced a rate shock. As evidenced in  
14 Figure 1,<sup>3</sup> the Company charged customers with a May 7<sup>th</sup> to June 7<sup>th</sup> billing  
15 cycle an average WNA charge of \$3.95, yet it applied an average \$87.28 WNA  
16 charge to customers with billing cycles starting just five days later (May 12<sup>th</sup> to  
17 June 10<sup>th</sup>).

18  
19  
20

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<sup>2</sup> Adamucci Direct Testimony at 10-11.

<sup>3</sup> Weather Normalization Adjustment Report to the Pennsylvania Public Utility Commission. August 12, 2022, page 11

Figure 1: WNA Impact of May 2022 event on Different Billing Cycles

Heating Degree Day Period	NHDD	AHDD	Total WNA Charges	Average WNA Charge
5/6/22 – 6/6/22	68	44	\$53,386.72	\$2.19
5/7/22 – 6/7/22	63	35	\$83,765.64	\$3.95
5/10/22 – 6/8/22	53	3	\$860,550.81	\$50.05
5/11/22 – 6/9/22	50	2	\$1,020,933.48	\$53.86
5/12/22 – 6/10/22	47	1	\$1,924,011.72	\$87.28
5/24/22 – 6/22/22	8	1	\$102,765.92	\$4.71
5/25/22 – 6/23/22	7	1	\$80,589.03	\$3.38

The values presented in Figure 1 only display averages across all customers within the same billing cycle and mask the extreme impacts of the WNA. Some customers faced greater WNA charges in June than others experienced over a full year. For example, in a March 9<sup>th</sup> hearing, witness Morgan Byrne testified to receiving a \$255.30 bill in June.<sup>4</sup> The WNA charge totaled \$201.51, nearly 80 percent of witness Byrne’s total bill and exponentially more than customers on different billing cycles.<sup>5</sup>

**Q. Has PGW analyzed why this issue occurred and if it is likely to recur?**

A. In response to the May 2022 event, PGW states that it launched an internal investigation into the WNA formula.<sup>6</sup> Although PGW analyzed the issues, the Company “did not identify a misapplication of or error in applying the long-standing WNA formula” and does not indicate whether a similar event could recur.<sup>7</sup> Even though PGW refers to the event as an “anomaly” throughout its

<sup>4</sup> Hearing transcript (March 9, 2023) at 63.

<sup>5</sup> Hearing transcript (March 9, 2023) at 63.

<sup>6</sup> Adamucci Direct Testimony at 11.

<sup>7</sup> Adamucci Direct Testimony, Exhibit DA-3 at 14.

1 testimony, the Company's proposed 25% cap suggests that another such weather  
2 event triggering significant bill impacts is possible.

3 **Q. Did PGW propose a solution intended to protect consumers against unusually**  
4 **large WNA increases?<sup>8</sup>**

5 A. Yes. The Company proposed to cap the WNA "to prevent customers from being  
6 billed a WNA charge or credit of greater than 25 percent of total delivery charges  
7 on any given bill."<sup>9</sup> Thus, the 25% cap applies to under recovery and over  
8 collection. The Company describes the cap as an "interim" solution to protect  
9 customers, yet does not propose a long-term solution in this proceeding.<sup>10</sup>

10 **Q. What are your concerns with the WNA outcome for May 2022 usage?**

11 A. I have two primary concerns. Before addressing them, I want to note that the  
12 concerns outlined here are specific to this docket and the testimony submitted at  
13 this docket by PGW. I am aware that PGW currently has a rate case pending in  
14 which it filed supplemental testimony about its WNA and in which it proposes  
15 several alternatives. I do not address those alternatives here. My  
16 recommendations here relate to PGW's proposal at this docket. The OCA will  
17 separately address in the rate case whether PGW's WNA should continue at all  
18 and, if so, what modifications are needed.

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<sup>8</sup> In PGW's base rate proceeding, Docket No. R-2023-3037933, witness Amen provides six alternative recommendations to prevent further bill anomalies. The OCA will address those recommendations in the rate case docket.

<sup>9</sup> Adamucci Direct Testimony at 12.

<sup>10</sup> Adamucci Direct Testimony at 13.



1 Turning to the issues in this case, first, it is inequitable that customers on  
2 different billing cycles faced much higher bills than others, despite experiencing  
3 the same weather anomaly. Second, it is inappropriate that there is no consumer  
4 protection against such astronomical customer bill impacts.

5 **Q. What element of PWG’s WNA allowed as subset of customers to face much**  
6 **higher bills than others?**

7 A. The fact that PGW adjusts rates monthly under the WNA increased the variance  
8 in differences between NHDD and AHDD, raising customer exposure to bill  
9 volatility. While weather abnormalities could cause WNA charges in any month,  
10 risks are magnified in the shoulder months of October and May because the  
11 WNA does not model any NHDDs between June and October, effectively  
12 shortening customers’ WNA bill cycles in May and October. All customers paid  
13 more since May AHDD were lower than NHDD, as displayed in Figure 1.<sup>11</sup>  
14 However, the heat wave stretched over several weeks starting on May 10<sup>th</sup>. Until  
15 the 10<sup>th</sup>, the month of May was colder than expected. As a result, customers  
16 whose billing cycles coincided with the beginning of the heat wave in May were  
17 more greatly impacted than others.

18 *Table 1: May 2022 NHDD and AHDD*

	NHDD	AHDD
May 1-May 9	37	53
May 10- May 31	53	3
Total (May 1 - May 31)	90	56

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<sup>11</sup> Weather Normalization Adjustment Report to the Pennsylvania Public Utility Commission. August 12, 2022, page 10

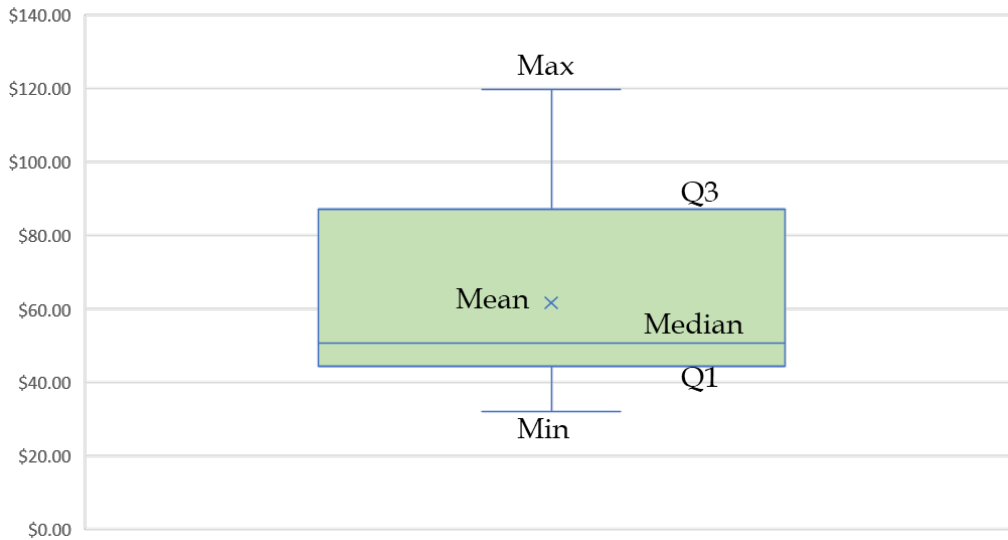
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All customers are located in Philadelphia and experience the same weather and the same delta between NHDD and AHDD. Yet, WNA charges varied widely based on billing cycle. Figure 2 shows the significant variation in residential WNA charges during the full heating season: the WNA formula recovered \$32 from some customers and nearly \$120 from others simply because of their billing cycle. The blue line at the bottom of the box in Figure 2 denotes the first quartile of average charges, the blue line dividing the green box denotes the median, and the top of the box denotes the third quartile. The wide gaps between the median, quartile three, and the peak average charge (denoted by the blue horizontal line at about \$120), highlight the volatility of WNA charges.

*Figure 2: Average Residential WNA Charges by Billing Group 2021-2022 Heating Season<sup>12</sup>*

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<sup>12</sup> Compiled with data from OCA I-5 Attachment. The chart represents the range of average customer WNA charges by cycle. The blue line segments that extend from the green box denote the minimum and maximum average charges, roughly \$32 and \$120 respectively. The bottom and top horizontal lines of the box denote the first quartile and third quartile of customer charges. The horizontal line in the box denotes the median bill and the “X” denotes the mean bill.



1

2 **Q. Would such discriminatory charges have occurred if the WNA true-up was**  
 3 **reconciled once at the conclusion of the fiscal year?**

4 A. No. If PGW compared AHDD and NHDD over the entirety of the 2021-2022  
 5 winter and charged customers according to the full cycle, the variation in WNA  
 6 charges caused by the heat wave would have been much less significant, as  
 7 demonstrated in Table 2.

8 *Table 2: 2021-2022 Heating Season Weather<sup>13</sup>*

	NHDD	AHDD	AHDD Percent of NHDD
October 1, 2021 – May 9, 2022	4,283	3,846	89.8%
May 10, 2022 – May 31, 2022	53	3	5.5%
Full season	4,336	3,849	88.8%

9

10 The monthly reconciliation increases WNA charge volatility and exposes  
 11 customers to discriminatory risks beyond their control.

<sup>13</sup> OCA I-5 Attachment.

1 Q. Are there any other unequal elements in the WNA formula?

2 A. Yes. PGW's "Example Calculations" in their Weather Normalization Adjustment  
3 Report show that the delta between NHDD and AHDD acts as a multiplier used  
4 to calculate normalized gas usage, which is then subtracted from actual gas  
5 usage to determine the WNA.<sup>14</sup> This multiplier disproportionately impacts  
6 heavier users. I demonstrate this with a sample calculation.

7 *Table 3: Sample WNA Calculation*

	Customer 1	Customer 2
Usage	10 ccf	30 ccf
NHDD	10	10
AHDD	1	1
Normalized Gas Usage*	100 ccf	300 ccf
WNA charge at \$1/ccf	\$90	\$270

8 \*Excludes 1% deadband for simplicity

9 While customer 2 uses and ultimately pays three times more for their  
10 distribution charges, the WNA charge magnifies the disparity in the customer  
11 bill. Purely based on volumetric billing (at a sample \$1/ccf), customer 2 should  
12 expect to pay \$20 more than customer 1. But because of the distortion caused by  
13 the WNA, customer 2 ends up paying \$180 more. While customers that consume  
14 more should pay proportionally more, the short reconciliation cycle exposes  
15 customers to undue volatility risk that is unrelated to cost causation for the  
16 distribution system. A slight deviation from a customer's normal usage,

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<sup>14</sup> Weather Normalization Adjustment Report to the Pennsylvania Public Utility Commission. August 12, 2022, page 5.

1 especially during shoulder months, could have significant financial  
2 consequences if it coincides with a significantly warmer than normal period.

3 **Q. Does the WNA’s monthly reconciliation appropriately balance risk between**  
4 **customers and the Company, as emphasized in Section II?**

5 A. No. Customers are far more exposed to bill volatility under shorter true-up  
6 periods. Per the Regulatory Assistance Project (RAP), this adjustment frequency  
7 benefits the utility since it regularly limits the divergence between actual and  
8 allowed revenues,<sup>15</sup> while providing little benefit to customers facing higher bill  
9 volatility. Conversely, an annual true-up “has the benefits of smoothing out  
10 shorter-term volatility and tend to result in small adjustments.”<sup>16</sup> Monthly true-  
11 ups are considered the “lower limits” to decoupling.<sup>17</sup> By using the shortest  
12 possible reconciliation period, PGW disproportionately benefits from frequent  
13 adjustments. Risk mitigation, and thus decoupling benefits, are skewed in the  
14 utility’s favor. It is inequitable for customers to fund lost utility revenues when  
15 the WNA structure can result in such extreme price increases.

16 **Q. Does PGW’s proposed 25% cap resolve your concerns about WNA for May**  
17 **2022 usage?**

18 A. No. The cap does not resolve either 1) the problem of discriminatory impacts due  
19 to billing cycle nor 2) the lack of appropriate consumer protection against  
20 extreme bill impacts. I discuss each issue individually below.

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<sup>15</sup> RAP Decoupling Design at 24

<sup>16</sup> RAP Decoupling Design at 26

<sup>17</sup> RAP Decoupling Design at 24

1           The cap does not address the underlying problems that resulted in  
2           discriminatory charges following the May 2022 event – which I have shown to be  
3           due to PGW’s use of monthly true-ups. In fact, the use of such a large cap  
4           indicates that the underlying WNA methodology results in extremely volatile  
5           charges – over 25%! – which should be addressed at their root, rather than  
6           patched over with an insufficient cap. If temperature changes result in more  
7           frequent heat waves, customers will continue to experience inequitable WNA  
8           impacts based solely on their billing cycle, and a cap will do nothing to fix that.  
9           Indeed, HDD data from the last three years indicates that temperatures are  
10          rising: NHDD outnumbered AHDD by 212 in the 2019-2020 winter season, by  
11          240 in the 2020-2021 winter season, and 483 in the 2021-2022 winter season.<sup>18</sup> As  
12          climate change continues to increase temperatures, WNA adjustments will more  
13          regularly burden customers, especially in shoulder months. The cap only serves  
14          to blunt the impact and does nothing to address the discriminatory nature of  
15          PGW’s WNA because it continues to treat otherwise similarly situated customers  
16          differently based on the arbitrary designation of their billing group and its  
17          decision to reconcile the WNA each month.

18           As for customer protection, a 25% cap on charges cannot reasonably be  
19          called a protection against rate shock, as a 25% increase would itself be rate  
20          shock. The proposal does not sufficiently limit the ratepayer impacts – and

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<sup>18</sup> OCA 1-4 Attachment.

1 therefore risk – of the WNA. Approved caps in other jurisdictions are much  
2 smaller than 25%. In fact, in many cases, when revenues vary too widely from  
3 baseline, the decoupling mechanism is subject to a review.<sup>19</sup> A 25% cap is such a  
4 significant deviation from the baseline that the decoupling mechanism as a  
5 whole must be reevaluated.

6 **Q. Provide examples of other utilities’ decoupling reconciliations caps.**

7 A. Baltimore Gas and Electric Company (“BGE”), which bills on a monthly basis,  
8 caps monthly at 10%.<sup>20</sup> Idaho Power and Light and National Grid, which  
9 reconcile charges annually, limit true-ups to 3% and 1%, respectively.<sup>21</sup>

10 Importantly, these caps are applied to utilities sales, which typically do not vary  
11 greatly. PGW’s weather normalization is less predictable than traditional  
12 decoupling measures since it uses HDD, and not total sales, to quantify  
13 adjustments.

14 **Q. What is the Company’s stated need for the WNA?**

15 A. The WNA stabilizes cash flow, reduced short-term borrowing needs and costs,  
16 and reduces the need for weather-related rate proceedings.<sup>22</sup> The Company  
17 states that, prior to the implementation of the WNA, PGW suffered liquidity  
18 crunches. Since the Company relies on cash flow to fund investments,

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<sup>19</sup> Lazar, J. et al. (2016). *Revenue Regulation and Decoupling: A Guide to Theory and Application*. Regulatory Assistance Project. Page 40. Available at: <https://www.raponline.org/knowledge-center/revenue-regulation-and-decoupling-a-guide-to-theory-and-application-incl-case-studies/>

<sup>20</sup> RAP Decoupling Design at 25

<sup>21</sup> RAP Decoupling Design at 27

<sup>22</sup> P-2022-3033477, Weather Normalization Adjustment Report to the Pennsylvania Public Utility Commission. August 18, 2022. Page 2.

1 abnormally warm weather “negatively affected PGW’s bond rating and created a  
2 consistent need to request additional rate relief to stave off financial crisis.”<sup>23</sup>

3 However, it must be noted that the WNA was first implemented approximately  
4 20 years ago. At that time, there were likely other potential confounding factors  
5 that could have been more greatly contributed to PGW’s liquidity challenges  
6 than weather variations.

7 **Q. What is the Company’s financial position?**

8 A. The Company posted a net income of \$220 million between June 1, 2021 and May  
9 31, 2022. During the 2021-2022 heating season, the Company collected \$37  
10 million from the WNA across residential, commercial, and industrial customers,  
11 a fraction of its net income during that period.<sup>24</sup> Moreover, \$13 million, or 35.4%  
12 of total WNA charges, occurred in June 2022, most of which were ultimately  
13 reimbursed. WNA revenue represents a small portion of operating revenues and  
14 net income. It is challenging to assess PGW’s financial position in the absence of  
15 a WNA and, when asked about difficulties financing long term debt,<sup>25</sup> the  
16 Company did not substantiate with evidence.<sup>26</sup>

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<sup>23</sup> Adamucci Direct Testimony at 6.

<sup>24</sup> OCA I-5 Attachment.

<sup>25</sup> OCA 2-4.

<sup>26</sup> OCA 2-2.



1 **IV. RECOMMENDATIONS**

2 **Q. What are your recommendations related to the WNA?**

3 A. I recommend that the Commission suspend the WNA until or unless PGW  
4 comes up with a rate formula that corrects the documented failures, does not  
5 discriminate against similarly situated customers, and does not result in  
6 unreasonable rate shock. The WNA, as currently allowed, even with the  
7 proposed 25% cap, cannot readily be considered a just and reasonable rate.

8 **Q. If the Commission chooses to continue with the WNA, what modifications do**  
9 **you recommend?**

10 A. I recommend that the Commission change the WNA adjustment from a monthly  
11 reconciliation period to an annual reconciliation period. The Company can track  
12 the revenue deficit (or surplus) monthly, apply a carrying charge to reflect the  
13 time value of money, and roll the balance to subsequent months. These charges  
14 should be recovered through rates in the following fiscal year. The monthly  
15 carrying charge should be comparable to the Company's cost of debt in order to  
16 minimize Company risk.

17 Additionally, I recommend applying a 5% hard cap on WNA surcharges  
18 for under-recoveries. Any Company over-recovery should be fully refunded.

19 Finally, I recommend that NHDD averaging calculations use a 10-year  
20 weather average to better reflect climate trends that the WNA is designed to  
21 address. Currently, the formulas use a 20-year average.

22

1 **Q. Do your recommendations better balance customer and utility risk?**

2 A. Yes. Extending the true-up period to an annual reconciliation would shift some  
3 customer risk to the utility and create a more equitable balance. In accordance to  
4 my recommendations, customers would be exposed to far less volatility than  
5 they are currently under monthly billing adjustments. Although the utility  
6 would bear slightly more risk, the utility will continue to recover charges using  
7 the same formula in place and would up ultimately recover the normalized gas  
8 usage cost, up to a 5% cap. The delay in adjustment recovery, from monthly to  
9 annually, does not impact the value of the recovery charge, since the carrying  
10 charge factors a rate comparable to the utility's cost of debt.

11 **Q. Had a 5% rate cap applied to the 2021-2022 winter season, what would have  
12 been the impact?**

13 A. I do not have the data to determine the financial impact of a 5% rate cap,  
14 however, such a cap would only have impacted a small percentage of HDDs. 5%  
15 of the 4,336 NHDD in the 2021-2022 season yields 217 HDD and a capped range  
16 of 4,119 to 4,553 HDD. Thus, in Fiscal Year 2022, the cap would have rolled over  
17 the financial equivalent of 266 HDD.<sup>27</sup> The ultimate impact to Company  
18 revenues of such a cap would have been minimal. As a reference, the AHDD  
19 total for each of the three prior years is 4362, 4162, and 4108.<sup>28</sup> Two years are  
20 within the 5% cap and the other (FY 2021) is only 11 HDD below the minimum

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<sup>27</sup> 483 HDD delta minus 217 HDD is 266. Monthly carrying charges would apply to the rates.

<sup>28</sup> P-2022-3033477, Weather Normalization Adjustment Report  
to the Pennsylvania Public Utility Commission. August 18, 2022. Page 9

1 bound. Therefore, I conclude that the 5% cap is unlikely to financially challenge

2 PGW.

3 **Q. Does this conclude your testimony?**

4 **A. Yes, this concludes my testimony.**

# Ron Nelson

Senior Director



Ron is a Senior Director at Strategen and a subject matter expert in gas and electric Advanced Rate Design, Cost of Service Studies, and Decarbonization. Ron leads a team that provides expertise and expert testimony on numerous topics, including multi-year utility rate plans, performance incentive mechanisms, cost of service modeling, line extension policies, residential and commercial rate design, renewable energy program design, system planning, DER interconnection cost allocation and recovery, and DER integration.

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## Education

### MS

#### Agricultural and Resource Economics

Colorado State University  
2013

### BA

#### Environmental Economics

Western Washington University  
2011

## Work Experience

### Senior Director

Strategen / Portland, OR / 2018 - Present

- + Subject matter and testimony expert in advanced rate design, embedded and marginal cost of service modeling, performance-based regulation, gas decarbonization, and DER integration and compensation.
- + Designing and implementing policies and programs to decarbonize energy systems including deployment of distributed energy resources, demand-side management programs, energy storage and grid integration.
- + Expert witness and advisor that has testified across 12 states in over 50 proceedings and supported multiple state commissions in various proceedings

### Economist

Minnesota Attorney General's Office / St. Paul, MN / 2013 - 2017

- + Provided expert testimony on cost of service modeling, rate design, grid modernization and utility business models.
- + Analyzing issues related to conservation incentive programs, value of solar, grid modernization, performance-based regulation, renewable energy program design, and MISO.
- + Reviewed and made recommendation to improve gas company pipeline replacement programs, demand response tariffs, performance metrics, and rate designs.

### Graduate Research Associate

Colorado State University / Fort Collins, CO / 2011 - 2013

### Economic Research Assistant

Washington State University / Mount Vernon, WA / 2009 - 2011

## Domain Expertise

Regulatory Strategy

Gas Decarbonization

Rate Design

Performance-Based Regulation

Performance Incentive  
Mechanisms

Cost of Service Analysis

DER Compensation

Rate Case Support

Electric Vehicles

Renewable Energy Program  
Design

## Expert Testimony

### Northern Indiana Public Service Company Rate Case

Cost of Service and Rate Design

[Direct](#)

### Application of Public Service Company of Oklahoma, an Oklahoma Corporation, for an Adjustment in its Rates and Charges and the Electric Service Rules, Regulations, and Conditions of Service for Electric Service in the State of Oklahoma and to Approve a Formula Based Rate Proposal

Cost of Service and Rate Design

### Central Maine Power Company: Request for Approval of Distribution Rate Increase and Rate Design Changes Pursuant to 35-A M.R.S. Section 307, Docket 2022-00152, On Behalf of the Governor's Energy Office w/Panelists Caroline Palmer and Nikhil Balakumar

Marginal Cost of Service, Performance-Based Regulation, Distribution System Planning

[Direct](#)

### Montana-Dakota Utilities Co. 2022 Electric Rate Increase Application

Cost of Service and Rate Design

### Georgia Power Company's 2022 Rate Case

Electric Vehicle Rate Design

[Direct](#)

### In the Matter of the Application of Northern States Power Company for Authority to Increase Rates for Electric Service in Minnesota (Docket No 21-630), On Behalf of the Citizen's Utility Board of Minnesota

Rate Riders, Fuel Clause Risk Sharing, and MYRP Structure

[Direct](#) | [Rebuttal](#)

### In the Matter of the Application of Northern States Power Company for Authority to Increase Rates for Electric Service in Minnesota (Docket No 21-630), On Behalf of the Clean Energy Organizations

Advanced Rate Design, Regulatory Sandbox, TOU Rate Design

[Direct](#) | [Surrebuttal](#)

### Massachusetts Electric Company Nantucket Electric Company d/b/a National Grid, Capital Investment Project Filing: Shutesbury (D.P.U. 22-51 through 55) On Behalf of the MA AGO w/ Panelists Jorge Camacho and Eli Asher

DER Integration, Interconnection and Cost Allocation

[Direct](#) | [Surrebuttal](#)

## Expert Testimony (Continued)

Massachusetts Electric Company Nantucket Electric Company d/b/a National Grid, Capital Investment Project Filing: Shutesbury (D.P.U. 22-61) On Behalf of the MA AGO w/ Panelists Jorge Camacho and Eli Asher

DER Integration, Interconnection and Cost Allocation

Direct

In the Matter of Delmarva Power and Light Company's Application for an Electric Multi-Year Plan (Case No. 9681) On Behalf of the Office of People's Counsel w/ Panelist Jorge Camacho

Distribution System Planning, Capital Investment Plan, Multi-Year Rate Plan Structure, Revenue Decoupling

Direct (No. 21) | Rebuttal (No. 23)

Petition of NSTAR Electric Company d/b/a Eversource Energy for approval by the Department of Public Utilities of the Company's Marion-Fairhaven capital project proposal under the Provisional Program established by the Department in Provisional System Planning Program, D.P.U 20-75-B (2021) (D.P.U. 22-47) On Behalf of the MA AGO w/ Panelists Jorge Camacho, Eli Asher, and Fred Schaefer

DER Integration, Interconnection and Cost Allocation

Direct | Surrebuttal

Petition for Approval of Beneficial Electrification Plan under the Electric Vehicle Act, 20 ILCS 627/45 and New EV Charging Delivery Classes under the Public Utilities Act, Article IX. (Docket No. 22-0432 and 22-0442) On Behalf of NRDC, Sierra Club, EDF, RHA and Little Village Environmental Justice Organization (LVEJO)

Electric Vehicle Rate Design and Energy Management Systems

Petition for Approval of Beneficial Electrification Plan pursuant to Section 45 of the Electric Vehicle Act (Docket No. 22-0431 and 22-0443) On Behalf of NRDC, Sierra Club, EDF, and RHA

Electric Vehicle Rate Design and Energy Management Systems

In the Matter of the Application of Oklahoma Gas & Electric Company for an Order of the Commission Authorizing Applicant to Modify Its Rates, Charges, and Tariffs for Retail Electric Service in Oklahoma

Cost of service, rate design, formula rate plan

Direct | Stipulation

In the Matter of the Application of Minnesota Power for Authority to Increase Rates for Electric Utility Service in Minnesota. Docket No. E-015/GR-21-335. On Behalf of CUB Minnesota

Cost recovery, cost of service, and revenue apportionment

Direct | Surrebuttal

## Expert Testimony (Continued)

**Petition for Establishment of Performance Metrics Under Section 16-108.18(e) of the Public Utilities Act, Commonwealth Edison Company, Docket No. 22-0067 On Behalf of NRDC**

[Demand Response and Electric Vehicle Performance metrics](#)

[Direct](#) | [Rebuttal](#)

**Petition for Establishment of Performance Metrics Under Section 16-108.18(e) of the Public Utilities Act, Ameren Illinois Company, Docket No. 22-0063 On Behalf of NRDC**

[Demand Response and Electric Vehicle Performance metrics](#)

[Direct](#) | [Rebuttal](#)

**In the matter of the application of CONSUMERS ENERGY COMPANY for authority to increase its rates for the distribution of natural gas and for other relief. U-21148. On Behalf of NRDC**

[Performance-based regulation and gas decarbonization](#)

[Direct](#)

**In the Matter of Delmarva Power & Light Company's Application for an Electric Multi-Year Plan, Case No. 9681**

[Revenue Decoupling, Multi-Year Rate Plan, Capital Investment Plan](#)

**Petition of NSTAR Electric Company d/b/a Eversource Energy for approval by the Department of Public Utilities of the Company's Marion-Fairhaven capital project proposal under the Provisional Program established by the Department in Provisional System Planning Program, D.P.U 20-75-B (2021)**

[DER integration, Flexible interconnection, Capital Investment Project](#)

[Direct](#) | [Surrebuttal](#)

**In the Matter of the Application of Oklahoma Gas & Electric Company for an Order of the Commission Authorizing Applicant to Modify Its Rates, Charges, and Tariffs for Retail Electric Service in Oklahoma**

[Cost of service, rate design, formula rate plan](#)

[Direct](#) | [Stipulation](#)

**In the Matter of the Application of Minnesota Power for Authority to Increase Rates for Electric Utility Service in Minnesota. Docket No. E-015/GR-21-335. On Behalf of CUB Minnesota**

[Cost recovery, cost of service, and revenue apportionment](#)

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**Petition for Establishment of Performance Metrics Under Section 16-108.18(e) of the Public Utilities Act, Commonwealth Edison Company, Docket No. 22-0067 On Behalf of NRDC**

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**Petition for Establishment of Performance Metrics Under Section 16-108.18(e) of the Public Utilities Act, Ameren Illinois Company, Docket No. 22-0063 On Behalf of NRDC**

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[Performance-based regulation and gas decarbonization](#)

[Direct](#)

**Phase 2: Petition of Fitchburg Gas and Electric Light Company d/b/a Unitil for approval of its Electric Vehicle Infrastructure Program, Electric Vehicle Demand Charge Alternative Proposal, and Residential Electric Vehicle Time-of-Use Rate Proposal (D.P.U 21-92) On Behalf of the Attorney General's Office**

[EV Program Design and Load Management](#)

[Direct](#)

**Phase 2: Petition of Massachusetts Electric Company and Nantucket Electric Company, each d/b/a National Grid, for approval of its Phase III Electric Vehicle Market Development Program and Electric Vehicle Demand Charge Alternative Proposal (D.P.U 21-91) On Behalf of the Attorney General's Office**

[EV Program Design and Load Management](#)

[Direct](#)

**Phase 2: Petition of NSTAR Electric Company d/b/a Eversource Energy for approval of its Phase II Electric Vehicle Infrastructure Program and Electric Vehicle Demand Charge Alternative Proposal (D.P.U 21-90) On Behalf of the Attorney General's Office**

[EV Program Design and Load Management](#)

[Direct](#)

**Phase 1: Petition of Fitchburg Gas and Electric Light Company d/b/a Unitil for approval of its Electric Vehicle Infrastructure Program, Electric Vehicle Demand Charge Alternative Proposal, and Residential Electric Vehicle Time-of-Use Rate Proposal (D.P.U 21-92) On Behalf of the Attorney General's Office**

[EV Program Design and Load Management](#)

[Direct](#)

**Phase 1: Petition of Massachusetts Electric Company and Nantucket Electric Company, each d/b/a National Grid, for approval of its Phase III Electric Vehicle Market Development Program and Electric Vehicle Demand Charge Alternative Proposal (D.P.U 21-91) On Behalf of the Attorney General's Office**

[EV Program Design and Load Management](#)

[Direct](#)



**Expert Testimony (Continued)**

**Phase 1: Petition of NSTAR Electric Company d/b/a Eversource Energy for approval of its Phase II Electric Vehicle Infrastructure Program and Electric Vehicle Demand Charge Alternative Proposal (D.P.U 21-90) On Behalf of the Attorney General’s Office**

[EV Program Design and Load Management](#)

[Direct](#)

**In the Matter of the Petitions for Recovery of Certain Gas Costs (DKT: 21-138, 21-235, 21-610, 21-611) On Behalf of The Citizens Utility Board of Minnesota**

[Prudency Review](#)

[Direct](#)

**In the Matter of the Application of CenterPoint Energy Resources Corp. d/b/a CenterPoint Energy Minnesota Gas for Authority to Increase Rates for Natural Gas Utility Service in Minnesota (Docket No. 21-435) On Behalf of the Clean Energy Organizations**

[Rate Design and Line Extension Policy](#)

[Direct](#)

**n the Matter of the Petitions for Recovery of Certain Gas Costs (DKT: 21-138, 21-235, 21-610, 21-611) On Behalf of The Citizens Utility Board of Minnesota**

[Prudency Review](#)

[Direct](#)

**Green Mountain Power (DKT: 2021-3707-PET) On Behalf of Green Mountain Power**

[Multi Year Rate Plan](#)

[Prefiled Direct Testimony](#)

**Public Service of Oklahoma (DKT: 202100055) On Behalf of AARP**

[ECOSS and Rate Design](#)

[Responsive Testimony](#)

**Duquesne Light Company (DKT: R-2021-3024750) On Behalf of the PA OCA**

[Transportation Electrification, Load Control](#)

[Direct | Surrebuttal](#) (note: please type in the docket number, the testimony cannot be directly referenced)

**PECO (DKT: R-2021-3024601) On Behalf of the PA OCA**

[Transportation Electrification, Load Control](#)

[Direct](#) (note: please type in the docket number, the testimony cannot be directly referenced)

**Rocky Mountain Power (DKT: 20-035-04) On Behalf of the Utah Office of Consumer Services**

[Embedded COS, Rate Design, and AMI Rollout](#)

[Direct](#)

## Expert Testimony (Continued)

### Minnesota Power\* On Behalf of the MN CUB

ECOSS and low-income rate design

### Pennsylvania Power and Light: DER Management Petition (DKT: P-2019-3010128) On Behalf of the PA OCA

[DER integration](#)

[Direct](#) | [Surrebuttal](#) (note: please type in the docket number, the testimony cannot be directly referenced)

### Public Service of New Hampshire (dba Eversource Energy) (DKT: DE 19-057) On Behalf of the NH OCA

Embedded and marginal COS, Rate Design, and PBR

[Direct](#)

### Liberty Utilities (DKT: DE 19-064) On Behalf of the NH OCA

Marginal COS, Rate Design, decoupling and PBR

[Direct](#)

\*Settled before direct was filed

### Oklahoma Gas and Electric (DKT: 201800140) On Behalf of AARP

[Rate Design and CCOSS](#)

[Direct](#)

### Vectren Energy Delivery of Ohio (DKT: 18-0298-GA-AIR) On Behalf of the Environmental Law and Policy Center

[CCOSS and Rate Design](#)

[Direct](#) | [Supplemental](#) | [Case link](#)

### Commonwealth Edison (DKT: 18-0753) On Behalf of the IL AG

[Distributed Generation Rebates and Smart Inverter Specifications](#)

[Direct](#) | [Rebuttal](#) | [Case link](#)

### Ameren Illinois Company (DKT: 18-0537) On Behalf of the IL AG

[Distributed Generation Rebates and Smart Inverter Specifications](#)

[Direct](#) | [Rebuttal](#) | [Case file](#)

### Public Service Company of Oklahoma (DKT: 201800096) On Behalf of AARP

[Formula Rates, Performance Metrics, Rate Design, and CCOSS](#)

[Direct](#)

### Oklahoma Gas and Electric (DKT: 201700496) On Behalf of AARP

[CCOSS and Revenue Apportionment](#)

[Responsive](#) | [Case link](#)

### Minnesota Power (DKT: E-002/GR-16-664) On Behalf of the MN OAG

[CCOSS, Rate Design, and the Utility Business Model](#)

[Surrebuttal](#) | [Rebuttal](#) | [Testimony](#) | [Case Link](#)

## Expert Testimony (Continued)

### Minnesota Power (DKT: E-002/GR-16-664) On Behalf of the MN OAG

CCOSS, Rate Design, and the Utility Business Model

[Surrebuttal](#) | [Rebuttal](#): | [Testimony](#) | [Case Link](#)

### Otter Tail Power (DKT: E-002/GR-15-1033) On Behalf of the MN OAG

Marginal and Embedded CCOSS and Rate Design

[Opening Statement](#) | [Direct](#) | [Rebuttal](#) | [Case link](#)

### Xcel Energy (DKT: E-002/GR-15-826) On Behalf of the MN OAG

CCOSS, Rate Design, and Performance-Based Regulation

[Direct](#) | [Rebuttal](#) | [Surrebuttal](#) | [Case link](#)

### Minnesota Energy Resources Corp. (DKT: G-011/GR-15-736) On Behalf of the MN OAG

CCOSS and Rate Design

[Direct](#): | [Rebuttal](#) | [Surrebuttal](#) | [Case link](#)

### CenterPoint Energy (DKT: E-002/GR-15-424) On Behalf of the MN OAG

CCOSS and Rate Design

[Opening Statement](#) | [Direct](#) | [Rebuttal](#) | [Surrebuttal](#) | [Case link](#)

### Dakota Energy Association (DKT: E-002/GR-14-482) On Behalf of the MN OAG

CCOSS and Rate Design

[Direct](#) | [Rebuttal](#) | [Surrebuttal](#) | [Case link](#)

### Xcel Energy (DKT: E-002/GR-13-868) On Behalf of the MN OAG

CCOSS and Rate Design

[Direct](#) | [Rebuttal](#) | [Surrebuttal](#): [Case Link](#)

### Xcel Energy, Minnesota Energy Resources Corp, CenterPoint Energy (DKT: 21-138)

Natural Gas Prudence Testimony

[Case Details](#) | [Direct](#)

### Minnesota Energy Resources Corp. (DKT: G-011/GR-13-617) On Behalf of the MN OAG

CCOSS

[Direct](#) | [Surrebuttal](#) | [Case Link](#)

### CenterPoint Energy (DKT: G-008/GR-13-316) On Behalf of the MN OAG

CCOSS

[Direct](#) | [Surrebuttal](#) | [Case Link](#)

BEFORE THE  
PENNSYLVANIA PUBLIC UTILITY COMMISSION

Pennsylvania Public Utility Commission	:	
v.	:	Docket No. R-2022-3034229
Supplement No. 152 to Gas Service Tariff –	:	
Pa. P.U.C. of Philadelphia Gas Works	:	
	:	
Petition of Philadelphia Gas Works for	:	
Approval on Less than Statutory Notice	:	Docket No. P-2022-3034264
of Tariff Supplement Revising Weather	:	
Normalization Adjustment	:	

VERIFICATION

I, Ron Nelson, hereby state that the facts set forth in my Direct Testimony, OCA Statement 1, are true and correct (or are true and correct to the best of my knowledge, information, and belief) and that I expect to be able to prove the same at a hearing held in this matter. I understand that the statements herein are made subject to the penalties of 18 Pa.C.S. § 4904 (relating to unsworn falsification to authorities).

DATED: April 13, 2023  
\*344287

Signature: Ron Nelson  
Ron Nelson

Consultant Address: Strategen Consulting  
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May 12, 2023

**Via Electronic Mail and FedEx**

The Honorable Marta Guhl  
Office of Administrative Law Judge  
Pennsylvania Public Utility Commission  
801 Market Street, Suite 4063  
Philadelphia, PA 19107

Re: Pennsylvania Public Utility Commission  
v.  
Supplement No. 152 to Gas Service Tariff –  
Pa. P.U.C. of Philadelphia Gas Works  
Docket No. R-2022-3034229

Petition of Philadelphia Gas Works for  
Approval on Less than Statutory Notice  
of Tariff Supplement Revising Weather  
Normalization Adjustment  
Docket No. P-2022-3034264

Dear Judge Guhl:

Enclosed please find a copy of the Surrebuttal Testimony being submitted on behalf of the Office of Consumer Advocate in the above-referenced proceedings, as follows:

OCA Statement 1SR: Surrebuttal Testimony of Ron Nelson

Copies have been emailed to the parties listed on the enclosed Certificate of Service. A hard copy of all testimony will be sent by FedEx to the Office of Administrative Law Judge, per the directive of the Presiding Officer in the Prehearing Order dated February 22, 2023.

Respectfully submitted,

/s/ Christy M. Appleby  
Christy M. Appleby  
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Enclosures:

cc: PUC Secretary Rosemary Chiavetta, (Letter and Certificate of Service only)  
Certificate of Service

\*345928

## CERTIFICATE OF SERVICE

Pennsylvania Public Utility Commission :  
v. : Docket No. R-2022-3034229  
Supplement No. 152 to Gas Service Tariff – :  
Pa. P.U.C. of Philadelphia Gas Works :  
  
Petition of Philadelphia Gas Works for :  
Approval on Less than Statutory Notice : Docket No. P-2022-3034264  
of Tariff Supplement Revising Weather :  
Normalization Adjustment :

I hereby certify that I have this day served a true copy of the following document, the Office of Consumer Advocate's Surrebuttal Testimony as follows:

OCA Statement 1SR: Surrebuttal Testimony of Ron Nelson  
upon parties of record in this proceeding in accordance with the requirements of 52 Pa. Code § 1.54 (relating to service by a participant), in the manner and upon the persons listed below:

Dated this 12<sup>th</sup> day of May 2023.

### **SERVICE BY E-MAIL ONLY**

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Dated: May 12, 2023  
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BEFORE THE  
PENNSYLVANIA PUBLIC UTILITY COMMISSION

PENNSYLVANIA PUBLIC UTILITY	:	
COMMISSION	:	
	:	DOCKET NOS. R-2022-3034229
V.	:	and P-2022-3034264
	:	
PHILADELPHIA GAS WORKS	:	
	:	

SURREBUTTAL TESTIMONY

OF

RON NELSON  
SENIOR DIRECTOR  
STRATEGEN CONSULTING

ON BEHALF OF  
THE OFFICE OF CONSUMER ADVOCATE

May 12, 2023



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1 **I. INTRODUCTION**

2

3 **Q. Please state your name, business address, and occupation.**

4 A. My name is Ron Nelson. I am a Senior Director with Strategen Consulting. My  
5 business address is 10265 Rockingham Dr., Suite #100-4061, Sacramento, CA  
6 95827.

7 **Q. On whose behalf are you testifying in this proceeding?**

8 A. I am testifying on behalf of the Office of the Consumer Advocate.

9 **Q. Are you the same Ron Nelson who submitted direct testimony in this proceed-**  
10 **ing?**

11 A. Yes.

12 **Q. What is the purpose of your surrebuttal testimony?**

13 A. I respond to the rebuttal testimony of Philadelphia Gas Works' ("PGW") Witness  
14 Denise Adamucci (Statement No. 1-R) regarding PGW's Weather Normalization  
15 Adjustment ("WNA").

16 **Q. PGW questions your qualifications to discuss how the WNA relates to a mu-**  
17 **nicipality. How do you respond?**

18 A. There are two relevant aspects to reviewing the WNA as it relates to PGW. First  
19 is the technical aspect. The WNA is an algebraic formula. I have a math degree  
20 and graduate level statistics and am more than qualified to evaluate the technical  
21 aspects of the WNA. The second aspect is how the WNA interacts with the  
22 unique business model of PGW, a municipal utility. I have been working on per-

1 performance-based regulation for 10 years, including advising the Hawaii and Con-  
2 necticut Commissions. I have also testified on decoupling mechanisms several  
3 times for investor owned utilities. I have also testified in a case involving a Coop-  
4 erative, albeit not on decoupling, but related areas of cost of service and rate de-  
5 sign. I also have clients that are cooperatives. While the details of those engage-  
6 ments are confidential, they involved DER strategies and rate design, and impli-  
7 cate revenue erosions issues that decoupling is used to address. I am well versed  
8 in different business and regulatory frameworks. Furthermore, PGW has not  
9 pointed to other municipalities with WNAs, much less municipalities with simi-  
10 larly designed WNAs. If PGW were aware of such municipalities, it would have  
11 supported their case to point them out, so I assume there are few or none.

12  
13 **II. RISK UNDER THE WNA**  
14

15 **Q. Does PGW agree with your characterization of decoupling mechanisms as bal-**  
16 **ancing how risk shifts between utilities and ratepayers?**

17 **A.** No. PGW asserts that I made a “fundamental error...by inappropriately referring  
18 to PGW’s WNA as involving a shifting of risk from the utility to consumers.”<sup>1</sup> To  
19 support this argument, PGW focuses on the fact that its WNA “provides revenue  
20 neutrality and not increased profitability.”<sup>2</sup>

21  

---

<sup>1</sup> Adamucci Rebuttal Testimony (Statement No. 1-R) at 7.

<sup>2</sup> Adamucci Rebuttal Testimony (Statement No. 1-R) at 8.

1 Q. How do you respond?

2 A. PGW has mischaracterized my testimony; I did not claim that the WNA enables  
3 PGW to bill more revenues than have been authorized and I do agree that the  
4 mechanism provides revenue neutrality.

5 However, it is clear that the WNA *does* shift risk because outcomes for cus-  
6 tomers and for PGW will differ with and without the WNA. And when a WNA  
7 is in place, outcomes will also differ for customers and for PGW depending on  
8 how the WNA is designed. If under one WNA design (say, monthly reconcilia-  
9 tion), customer bills vary radically as compared to another WNA design (say, an-  
10 nual reconciliation), all else constant (e.g., no significant change in outcome for  
11 PGW), the WNA with monthly reconciliation shifts more risk from PGW onto  
12 consumers.

13 PGW's recent proposal to exclude May 2023 usage from the WNA  
14 formula<sup>3</sup> again demonstrates the WNA's risk to customers. The Company evi-  
15 dently found the mechanism risky enough to customers to take this preventative  
16 action – one which shifts the risk back to PGW during that month for the second  
17 year in a row.

18 Another risk shift between utility and customers – one that is challenging  
19 to equitably address – involves the potential of a warming climate. If warming  
20 weather results in lower consumption and lower bills for consumers, but those

---

<sup>3</sup> Adamucci Rebuttal Testimony (Statement No. 1-R) at 3.

1 customers have to continue paying the same level to the Company, that outcome  
2 is not equitable. Under that structure, there also might be little incentive for the  
3 company to address its falling sales, causing customers to continue to shoulder  
4 the consequences of the weather abnormality.

5 **Q. Can you provide an example of the WNA shifting risk from PGW to its rate-**  
6 **payers?**

7 A. Yes. This very proceeding is the result of an excessive risk shift from the Com-  
8 pany to its customers. According to PGW, the mechanism worked as it was sup-  
9 posed to when it levied extreme and inconsistent bill increases upon customers  
10 after abnormally warm May 2022 weather. The risk of monthly bill volatility was  
11 imposed upon customers in order to secure revenue stability for the Company.  
12 As I demonstrated in my direct testimony, the extreme level of bill volatility  
13 would not have occurred if the mechanism were reconciled annually. The way  
14 the WNA is designed very clearly shifts financial risk from the Company to its  
15 customers.

16  
17 **III. SUPPORTING DATA**  
18

19 **Q. How does PGW respond to your recommendation of a 5% rate cap on the**  
20 **WNA bill increase?**

21 A. PGW claims that I provide “no supporting data” for a 5% cap.<sup>4</sup>  
22

---

<sup>4</sup> Adamucci Rebuttal Testimony (Statement No. 1-R) at 10.

1 **Q. How do you respond?**

2 A. I provided several examples of other utilities with similar caps in my direct testi-  
3 mony<sup>5</sup> and discovery responses,<sup>6</sup> and I also analyzed the effects of my recom-  
4 mended cap on PGW and its WNA.<sup>7</sup>In response to PGW's Set I, No. 6 to OCA, I  
5 identified the following examples:

- 6 • In Minnesota Docket No. E-002/GR-15-826, the Commission approved the use
- 7 of a decoupling mechanism with a 3% hard cap.
- 8 • In Minnesota Docket No. E-002/GR-21-630, the administrative law judge has
- 9 recommended the Commission adopt a 3% hard cap. Order forthcoming.
- 10 • Otter Tail Power Company has a 4% hard cap, despite being the smallest IOU in
- 11 the country. See Docket No. 20-719.

12

13 **Q. Has PGW provided "supporting data" for its own proposals and claims?**

14 A. No. The Company has not provided any supporting data for its own 25% cap  
15 proposal.

16

17 **IV. PROCEDURAL SCOPE**

18

19 **Q. Does PGW assert that your WNA recommendations are outside the scope of**  
20 **the instant proceeding?**

21 A. Yes. PGW states that the "sole issue in this case is whether the 25% cap should be  
22 implemented."<sup>8</sup>

23

---

<sup>5</sup> OCA St. 1 at 18.

<sup>6</sup> OCA's response to PGW 1-6.

<sup>7</sup> OCA St. 1 at 21.

<sup>8</sup> Adamucci Rebuttal Testimony (Statement No. 1-R) at 5.

1 **Q. Do you agree with the Company's position?**

2 A. No. I am not a lawyer, but it is my understanding that the Commission can adopt  
3 changes beyond a cap for the WNA in this proceeding.<sup>9</sup> In fact, PGW's own de-  
4 scription of the proceeding elsewhere in rebuttal testimony broadens the scope  
5 beyond the 25% cap: "this proceeding was initiated by PGW in August 2022 for  
6 the limited, but important, purpose of protecting customers during the current  
7 heating season."<sup>10</sup> Indeed, my direct testimony recommendations serve the pur-  
8 pose of protecting customers under the WNA.

9

10 **V. NET INCOME**

11 **Q. PGW criticizes your argument regarding the Company's net income. How do**  
12 **you respond?**

13 A. PGW states that I "selected an arbitrary number and an arbitrary time period,"<sup>11</sup>  
14 but then provides its own analysis using a different arbitrary time period. The  
15 additional analysis does not support PGW's proposed cap.

16

17

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<sup>9</sup> The Commission's Suspension Order for this case ordered that the investigation include consideration of the lawfulness, justness, and reasonableness of Philadelphia Gas Works' existing rates, rules, and regulations. *Pa. PUC v. Philadelphia Gas Works*, Docket Nos. R-2022-3034229, P-2022-3034264 (Order entered September 15, 2022) (*September 15 Order*).

<sup>10</sup> Adamucci Rebuttal Testimony (Statement No. 1-R) at 4.

<sup>11</sup> Adamucci Rebuttal Testimony (Statement No. 1-R) at 17.

1 VI. CONCLUSION

2

3 Q. Based on PGW's rebuttal, would you like to change any of your recommenda-  
4 tions from direct testimony?

5 A. No.

6 Q. Does this conclude your testimony?

7 A. Yes, this concludes my testimony.



BEFORE THE  
PENNSYLVANIA PUBLIC UTILITY COMMISSION

Pennsylvania Public Utility Commission	:	
v.	:	Docket No. R-2022-3034229
Supplement No. 152 to Gas Service Tariff –	:	
Pa. P.U.C. of Philadelphia Gas Works	:	
	:	
Petition of Philadelphia Gas Works for	:	
Approval on Less than Statutory Notice	:	Docket No. P-2022-3034264
of Tariff Supplement Revising Weather	:	
Normalization Adjustment	:	

VERIFICATION

I, Ron Nelson, hereby state that the facts set forth in my Surrebuttal Testimony, OCA Statement 1SR, are true and correct (or are true and correct to the best of my knowledge, information, and belief) and that I expect to be able to prove the same at a hearing held in this matter. I understand that the statements herein are made subject to the penalties of 18 Pa.C.S. § 4904 (relating to unsworn falsification to authorities).

DATED: May 12, 2023  
\*345908

Signature: Ron Nelson  
Ron Nelson

Consultant Address: Strategen Consulting  
2150 Allston Way  
Suite 400  
Berkeley, CA 94704

BEFORE THE  
PENNSYLVANIA PUBLIC UTILITY COMMISSION

DIRECT TESTIMONY OF

Denise Adamucci

ON BEHALF OF  
PHILADELPHIA GAS WORKS

Pa. Public Utility Commission v. Philadelphia Gas Works  
Docket Nos. R-2022-3034229 and P-2022-3034264

February 23, 2022

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1 **I. INTRODUCTION**

2 **Q. PLEASE STATE YOUR NAME AND CURRENT POSITION WITH PGW.**

3 A. My name is Denise Adamucci and I am the Senior Vice President for Customer &  
4 Regulatory Affairs at Philadelphia Gas Works (“PGW” or “Company”).

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

6 A. I assumed my present position in January 2023. Prior to this position, I was Vice  
7 President of Regulatory Compliance and Customer Programs.

8 **Q. WHAT ARE YOUR JOB RESPONSIBILITIES?**

9 A. In my present position, I am responsible for the direction of all customer affairs and  
10 service, and PUC technical and regulatory compliance. This responsibility includes the  
11 provision of universal service, including LIURP, and customer related system  
12 improvements.

13 **Q. PLEASE SUMMARIZE YOUR BACKGROUND AND EXPERIENCE.**

14 A. I have been employed with PGW since 2004. I became PGW’s Vice President of  
15 Regulatory Compliance and Customer Programs in 2012. Prior to that, I worked in  
16 PGW’s Legal Department as a senior attorney. Before joining PGW, I worked in private  
17 practice at Manta and Welge, and then at Klett Rooney Lieber & Schorling (acquired by  
18 Buchanan Ingersoll & Rooney). I received an MA in English Literature from Arizona  
19 State University and a JD from Boston University School of Law.

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

21 A. Yes, most relevantly, I have provided testimony in PGW’s two more recent base rate  
22 cases (Docket Nos. R-2017-2586783 and R-2020-3017206).

23 **Q. ON WHOSE BEHALF ARE YOU TESTIFYING IN THIS PROCEEDING?**

24 A. My testimony is submitted on behalf of PGW.

1 **Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY IN THIS PROCEEDING?**

2 A. The purpose of my testimony is to provide support for Supplement No. 152, which PGW  
3 filed on August 2, 2022 proposing to implement a 25 percent cap (“the CAP”) on charges  
4 and credits stemming from application of the Weather Normalization Adjustment  
5 (“WNA”) clause in PGW’s Gas Service Tariff. I am also offering testimony to  
6 demonstrate the value of the WNA to PGW’s financial health and stability, which in turn  
7 benefits ratepayers.

8 **Q. PLEASE DESCRIBE THE PROCEDURAL STEPS THAT RESULTED IN THE**  
9 **SUBMISSION OF THIS DIRECT TESTIMONY TODAY.**

10 A. On September 15, 2022, the Commission issued an Order suspending Supplement No.  
11 152 for suspension and investigation. On September 19, 2022, Administrative Law  
12 Judge (“ALJ) Guhl issued a Prehearing Order proposing a procedural schedule that would  
13 result in Supplement No. 152 going into effect on April 1, 2023. To afford the parties  
14 and the Commission additional time to review the WNA filing, PGW provided to the  
15 ALJ a proposed procedural schedule and discovery modifications agreed upon by the  
16 parties, which would result in the effective date being extended to October 1, 2023.  
17 Under that schedule, PGW’s Direct Testimony was due on November 30, 2022.

18 On November 9, 2022, PGW filed a Petition for Leave To Withdraw Supplement  
19 No. 152 (“Withdrawal Petition”). Since no ruling was issued on the Withdrawal Petition  
20 prior to November 30, 2022, the parties consulted with the parties and obtained  
21 agreement for an extension of time to February 14, 2023 for the filing of Direct  
22 Testimony and requested an that the procedural schedule be held in abeyance pending a  
23 ruling on the Withdrawal Petition. Via electronic mail on November 29, 2022, PGW per  
24 ALJ Guhl’s request, PGW provided an agreed-upon schedule on December 6, 2022, with

1 which the ALJ expressed no concerns. As of February 14, 2023, no ruling had been  
2 made on the Withdrawal Petition.

3 By Letter dated February 14, 2023, PGW notified the ALJ and the parties that it  
4 did not intend to file Direct Testimony on that date and that it would seek to have these  
5 issues consolidated with its upcoming base rate case. By Prehearing Order issued on  
6 February 22, 2023, the ALJ dismissed the Withdrawal Petition as moot and adopted the  
7 procedural schedule submitted by PGW on December 6, 2022. By a second Prehearing  
8 Order also issued on February 22, 2023, ALJ Guhl directed that PGW's Direct Testimony  
9 be filed by close of business on February 23, 2023.

10 **II. BACKGROUND**

11 **Q. PLEASE DESCRIBE PGW.**

12 A. PGW is owned by the City of Philadelphia and provides public utility services as a city  
13 natural gas distribution operation<sup>1</sup> in the City of Philadelphia, consistent with Section  
14 2212 of the Public Utility Code.<sup>2</sup> PGW came under the jurisdiction of the Commission  
15 on July 1, 2000.

16 **Q. HOW ARE JUST AND REASONABLE RATES FOR PGW DETERMINED?**

17 A. Just and reasonable rates are determined for PGW using the cash flow method. As PGW  
18 is a city owned utility with no shareholders, all of the funds needed to run the Company  
19 come from ratepayers or from borrowing – the costs of which then must be paid by  
20 ratepayers. Therefore, rather than having its revenue requirement determined on the  
21 basis of a fair rate of return on a used and useful rate base that is applicable to other  
22 natural gas distribution companies (“NGDCs”), PGW's rates are set by determining the

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<sup>1</sup> 66 Pa.C.S. § 102 (definitions).

<sup>2</sup> 66 Pa. C.S. § 2212.

1 appropriate levels of cash and other financial metrics to enable PGW to pay its bills and  
2 maintain access to the capital markets at reasonable rates. The Commission issued a  
3 Policy Statement more fully setting forth these criteria, as well as the financial and other  
4 considerations that are to be reviewed in setting PGW's base rates at just and reasonable  
5 levels.<sup>3</sup>

6 **Q. WITH RESPECT TO WEATHER-RELATED FACTORS, HOW HAVE THE**  
7 **BASE RATES OF NGDCS TRADITIONALLY BEEN ESTABLISHED?**

8 A. Traditionally, the base rates of NGDCs have been established on a "weather normalized"  
9 basis, i.e., rates are set to permit the Company to earn at levels determined to be  
10 reasonable assuming that sales and revenues are at the levels the utility would experience  
11 if the level of experienced "Heating Degree Days" ("HDDs") were at "normal" levels.  
12 Accordingly, when a year is colder or warmer than some determined normal level, the  
13 NGDC typically earns more or less than the normalized amount, all other things being  
14 equal.

15 **Q. WHAT IS THE PURPOSE OF A WNA?**

16 A. A WNA mechanism is one way in which to balance out the effects of "abnormal"  
17 weather by permitting the utility to true-up its revenues when experienced HDDs in a  
18 given period are less than a determined normal level. Correspondingly, when  
19 experienced HDDs exceed normal levels, the utility adjusts its charges to provide a credit  
20 to customers. Importantly, the WNA design does not result in a utility being able to earn  
21 more. Rather, the goal of the WNA design is to merely to permit the utility to recover its  
22 authorized level of earnings and, for a cash flow regulated utility, the company's  
23 authorized level of cash and liquidity.

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<sup>3</sup> 52 Pa. Code §§ 69.2702, 2703.

1 **Q. PLEASE DESCRIBE PGW’S WNA.**

2 A. PGW’s WNA is an automatic adjustment clause that adjusts billings to customers based  
3 upon the degree to which actual weather in its service territory varies from “normal”  
4 weather levels. The Commission-approved WNA is applied to customer usage from  
5 October 1 through May 31. As established by the Tariff, the charges or credits are  
6 calculated on the basis of a formula that considers historic normal HDDs and actual  
7 experienced HDDs for the billing cycle’s usage. PGW’s WNA is attached as Exhibit  
8 DA-1 when was pgw’s wna originally authorized by the COMMISSION?

9 A. The Commission originally authorized PGW’s WNA in 2002.<sup>4</sup> The WNA was approved  
10 as a three year pilot in a settlement of the 2002 base rate case. The settling parties  
11 included PGW, the Office of Trial Staff (“OTS”) - which was the predecessor of the  
12 Bureau of Investigation and Enforcement (“I&E”), the Office of Consumer Advocate  
13 (“OCA”), the Office of Small Business Advocate (“OSBA”), and the Philadelphia  
14 Industrial and Commercial Gas Users Group (“PICGUG”). In the Recommended  
15 Decision (“R.D.”) adopted by the Commission, the ALJ noted that although OCA and  
16 PICGUG had reservations about the WNA, they agreed to the provision since the parties  
17 would have an opportunity to review the results generated by the WNA before a decision  
18 was made as to whether it should be implemented on a permanent basis. The ALJ  
19 observed that the WNA “will provide more certainty in PGW’s level of annual  
20 revenues.”<sup>5</sup> In addition, the R.D. referenced OCA’s Statement in Support, which

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<sup>4</sup> *Pa. Public Utility Commission v. Philadelphia Gas Works*, Docket No. R-00017034 (Order entered August 8, 2002, Ordering Paragraph No. 5) (“2002 Base Rate Case”).

<sup>5</sup> *2002 Base Rate Case* (Recommended Decision dated July 29, 2002, at 10-11).



1 emphasized the “unique, immediate circumstances facing this municipally-owned  
 2 utility.”<sup>6</sup> PGW was authorized to implement the WNA as soon as system modifications  
 3 were completed. The WNA was implemented on December 1, 2002.

4 **Q. WHAT UNIQUE, IMMEDIATE CIRCUMSTANCES WAS PGW FACING AT**  
 5 **THAT TIME?**

6 A. Prior to implementation of the WNA, PGW experienced years in which warmer than  
 7 normal weather severely reduced the Company’s cash flow and debt service coverages,  
 8 which negatively affected PGW’s bond rating and created a consistent need to request  
 9 additional rate relief to stave off financial crisis. As a result of experiencing a number of  
 10 winters in which abnormal weather caused severe shortfalls in earnings and liquidity, the  
 11 establishment of a WNA was a crucial requirement if the Company was to return to  
 12 financial health in the long term. Those experiences led to the WNA being proposed and  
 13 approved in the 2002 base rate proceeding.

14 **Q. WHAT SPECIFIC BENEFITS DID PGW IDENTIFY AS PART OF ITS**  
 15 **PROPOSAL TO ESTABLISH A WNA IN 2002?**

16 A. PGW explained that the establishment of the WNA would: (i) stabilize cash flow from  
 17 year-to-year; (ii) possibly reduce the need for short-term borrowing from year-to-year;  
 18 (iii) positively affect PGW’s credit rating; and (iv) reduce the need for costly base rate  
 19 proceedings.<sup>7</sup> A WNA-type clause is particularly appropriate for a municipally owned  
 20 utility because under the cash flow method of ratemaking, ratepayers provide revenues to  
 21 cover the entire costs of service – but only the cost of service. The WNA minimizes the  
 22 degree to which shortfalls or windfalls occur. For a municipal utility that utilizes a

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<sup>6</sup> *Id.* (R.D. at 11).

<sup>7</sup> *2002 Base Rate Case*, PGW St. 2 at 3 (Direct Testimony of Craig White).

1 WNA, ratepayers are assigned the same responsibilities or obtain the same benefits that  
2 they would without a WNA.

3 **Q. DID OTHER PARTIES IN THE 2002 BASE RATE CASE MAKE SIMILAR**  
4 **OBSERVATIONS?**

5 A. Yes, the witness for then OTS agreed that a WNA clause would be reasonable since  
6 PGW's rates are established using the cash flow method of ratemaking.<sup>8</sup> Similarly,  
7 OCA's witness described PGW as being "unique" among NGDCs in Pennsylvania since  
8 it is a municipal utility and operates on a cash basis according to statute with no source of  
9 equity financing in the sense of a traditional investor-owned utility.<sup>9</sup>

10 **Q. DID PGW FILE A REPORT WITH THE COMMISSION AT THE CONCLUSION**  
11 **OF THE THREE YEAR PILOT?**

12 A. Yes. PGW filed a WNA Report on May 4, 2006 ("2006 WNA Report"), which examined  
13 the performance of the WNA over the prior three years and its effect on reducing  
14 volatility of earnings and concluded that both the Company and its customers have  
15 benefited from the existence of the WNA over this period. Additionally, PGW filed a  
16 Stipulation entered into by OCA and I&E agreeing to a continuation of the WNA clause  
17 on a permanent basis. The WNA Report and Stipulation are attached as Exhibit DA-2

18 **Q. HAS PGW'S WNA REMAINED IN PLACE SINCE ITS INITIAL**  
19 **IMPLEMENTATION IN 2002?**

20 A. Yes.

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<sup>8</sup> 2002 Base Rate Case, OTS St. 4 at 10 (Direct Testimony of Paul Metro).

<sup>9</sup> 2002 Base Rate Case, OCA St. 3 at 3-4 (Direct Testimony of Thomas Catlin).

1 **Q. HAS THE WNA BEEN MODIFIED SINCE IT WAS FIRST IMPLEMENTED?**

2 A. Yes. Based on a settlement reached in PGW’s 2017 base rate case, normal weather is  
 3 currently determined on the basis of a twenty year average of HDDs.<sup>10</sup> The settling  
 4 parties agreeing to shift from the use of a thirty year normal to the twenty year normal  
 5 included PGW, I&E, OCA, OSBA, the Retail Energy Supply Association, PICGUG, the  
 6 Coalition for Affordable Utility Services and Energy Efficiency in Pennsylvania  
 7 (“CAUSE-PA”) and Tenant Union Representative Network and Action Alliance of  
 8 Senior Citizens of Greater Philadelphia (“TURN”). No other changes have been made  
 9 since 2002.

10 **III. PGW’S OVERALL OBJECTIVES OF THIS PROCEEDING**

11 **Q. PLEASE EXPLAIN PGW’S OVERALL OBJECTIVES OF THIS PROCEEDING.**

12 A. PGW’s overall objectives of this proceeding are for the implementation of a continued  
 13 and slightly modified WNA, which: (i) preserves the Company’s financial health and  
 14 stability, particularly in view of its status as a city owned gas utility with rates that are  
 15 established through a cash flow method, which in turn benefits ratepayers; and (ii)  
 16 protects customers, to the extent possible, from unusually large increases resulting from  
 17 abnormal weather occurring in Philadelphia during the winter heating season.

18 **Q. HAS THE COMMISSION EXPRESSED ITS SUPPORT FOR WNAS?**

19 Yes. The Commission approved a WNA for Columbia Gas of Pennsylvania, Inc.  
 20 (“Columbia”) in May 2013, which remains in its Tariff today.<sup>11</sup> Additionally, in  
 21 September 2022, the Commission approved a WNA for UGI Utilities, Inc. (“UGI”).

<sup>10</sup> *Pa. Public Utility Commission v. Philadelphia Gas Works*, Docket No. R-2017-25867833 (Order entered November 8, 2017, at pages 17-18 and Ordering Paragraph No. 3) (“2017 Base Rate Case”).

<sup>11</sup> *Pa. Public Utility Commission v. Columbia Gas of Pennsylvania, Inc.*, Docket No. R-2012-2321748 (Order entered May 23, 2013); Columbia’s Supplement No. 350 to Tariff Gas – Pa. P.U.C. No. 9, Page Nos. 162-163.

1 While some of the elements of Columbia’s and UGI’s clauses vary from PGW’s current  
 2 WNA, the basic purpose is the same – financial health and stability for the utility. Of  
 3 particular note, Chairman Gladys Brown Dutrieuille issued a statement in connection  
 4 with the Commission’s approval of UGI’s WNA, noting that the “decoupling of  
 5 uncontrollable weather from revenues should stabilize UGI’s cashflow, and in turn, allow  
 6 UGI to focus on operational items within its control, namely infrastructure upgrades and  
 7 repairs.”<sup>12</sup> This observation demonstrates the important benefits to ratepayers, and a  
 8 cashflow utility such as PGW, of a properly designed WNA.

9 **Q. IN ADDITION, HAS THE GENERAL ASSEMBLY EXPRESSED SUPPORT FOR**  
 10 **WNAS?**

11 A. Yes. The passage of Act 58 of 2018 added Section 1330 to the Public Utility Code,  
 12 enabling utilities to seek approval of alternative rates, including decoupling  
 13 mechanisms.<sup>13</sup>

14 **Q. PLEASE DESCRIBE THE EFFECTS OF THE EXISTING WNA ON PGW’S**  
 15 **CREDIT RATING.**

16 A. Because the existing WNA has eliminated the effect of abnormal weather on earnings  
 17 and cash flow, it has had a very positive effect upon the way in which PGW has been  
 18 viewed by the financial community. Weather-related reductions in earnings and cash  
 19 flow prior to implementation of the WNA threatened PGW’s ability to successfully issue  
 20 additional long term debt, the Company’s only available source of external capital. The  
 21 rating agencies have clearly indicated their reliance upon the WNA to operate as a risk-

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<sup>12</sup> *Pa. Public Utility Commission v. UGI Utilities, Inc. – Gas Division*, Docket No. R-2021-3030218 (Order entered September 15, 2022; Brown Dutrieuille Statement).

<sup>13</sup> 66 Pa.C.S. § 1330.

1 mitigating tool, which has resulted in PGW achieving higher credit ratings.<sup>14</sup> Of note,  
2 absent the WNA, PGW would need to seek Commission approval for significantly higher  
3 base rates to guard against financial risks that might occur due abnormal weather in its  
4 service territory.

5 **IV. DISCUSSION OF EXISTING AND PROPOSED WNA**

6 **(A) Operation of Existing WNA**

7 **Q. HOW WOULD YOU CHARACTERIZE THE OPERATION OF THE WNA**  
8 **OVER THE PAST TWO DECADES?**

9 A. The WNA has worked largely as intended over the past two decades. It has been  
10 instrumental in helping PGW to become a financially stable and strong Company, while  
11 assuring that weather related charges to customers were fair and reasonable. As such, the  
12 WNA is extremely important to PGW's financial stability, which in turn benefits  
13 ratepayers.

14 **Q. PLEASE DESCRIBE THE ANOMALY THAT OCCURRED FOR MAY 2022**  
15 **USAGE.**

16 A. An anomaly occurred with the WNA for May 2022 usage, which produced unusually  
17 large charges to customers in many billing cycles with May usage. This occurred as a  
18 result of warmer than normal weather in PGW's service territory on certain dates in May.

19 **Q. HOW DID PGW ADDRESS THIS ANOMALY?**

20 A. PGW determined that its customers should not bear these charges, although they had  
21 been correctly calculated pursuant to the formula in PGW's Tariff. As a result, PGW  
22 filed a Petition for Emergency Order on June 30, 2022 seeking Commission approval to  
23 immediately revise its Tariff to reverse the WNA charges that were applied to May 2022

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<sup>14</sup> <https://www.fitchratings.com/research/us-public-finance/fitch-upgrades-philadelphia-pa-gas-works-revs-to-a-outlook-stable-17-02-2022>

1 usage. PGW did not seek to reverse the WNA credits for May usage. In addition, PGW  
 2 explained that to address the May 2022 anomaly and any possible issues over the longer-  
 3 term, the Company had instituted an internal investigation into the WNA formula.

4 **Q. HOW DID THE COMMISSION RESPOND?**

5 A. On July 1, 2022, the Commission issued an Emergency Order authorizing PGW to  
 6 implement the proposed Tariff revision. The Emergency Order was ratified by  
 7 Ratification Order at the Public Meeting held on July 14, 2022.<sup>15</sup> The Ratification Order  
 8 also directed that PGW submit a report of its internal investigation and findings to date  
 9 regarding the WNA by August 15, 2022 (“2022 WNA Report”).

10 **Q. HAS PGW REVERSED THE WNA CHARGES THAT WERE BASED ON MAY**  
 11 **2022 USAGE?**

12 A. Yes. PGW completed this process, and the reversal of the WNA charges amounted to  
 13 refunds to customers in the amount of \$12,645,000.

14 **Q. HAS PGW FILED THE 2022 WNA REPORT?**

15 A. Yes. The 2022 WNA Report was filed on August 12, 2022. It is attached to the Direct  
 16 Testimony as Exhibit DA-3.

17 **(B) Proposed 25 Percent Cap**

18 **Q. PLEASE DESCRIBE PGW’S PROPOSED 25 PERCENT CAP ON THE WNA.**

19 A. On August 2, 2022, PGW filed Supplement No. 152 to Gas Service Tariff – Pa. P.U.C.  
 20 No. 2 (“Supplement No. 152”) and a Petition for Approval on Less than Statutory Notice  
 21 of Supplement Revising Weather Normalization Adjustment (“Cap Petition”). As filed,  
 22 Supplement No. 152 proposed to revise PGW’s Gas Service Tariff – Pa. P.U.C. No. 2,

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<sup>15</sup> *Petition of Philadelphia Gas Works for Emergency Order*, Docket No. P-2022-3033477 (Order entered July 14, 2022).

1 Pages 149-150, effective October 1, 2022. Through the proposed revision, PGW sought  
2 to add a control, or Cap, to its WNA prior to the beginning of the WNA cycle beginning  
3 on October 1, 2022. PGW's WNA cycle is the period of October 1 through May 31 of  
4 each year. The purpose of this proposal was to prevent customers from being billed a  
5 WNA charge or credit of greater than 25 percent of total delivery charges on any given  
6 bill. Total delivery charges, include the Customer Charge plus the Distribution Charge,  
7 (including the Distribution System Improvement Charge), and if applicable, the Gas  
8 Adjustment Charge (including the Interruptible Revenue Credit. This proposal was  
9 designed as an interim solution to protect consumers in the event that the WNA, due to  
10 abnormal weather, produced an unusually large increase during the current heating  
11 season.

12 **Q. DID OTHER PARTIES RESPOND TO PGW'S PROPOSED 25 PERCENT CAP?**

13 A. Yes. OCA filed an Answer opposing the 25 percent cap and advocating for an immediate  
14 suspension of the entire WNA for investigation. Other parties, including I&E, OSBA,  
15 CAUSE-PA and TURN, intervened in the proceeding.

16 **Q. DID THE 25 PERCENT CAP GO INTO EFFECT ON OCTOBER 1, 2022?**

17 A. No. By Order entered on September 15, 2022 ("Suspension Order"), the Commission  
18 suspended Supplement No. 152 for investigation until April 1, 2023. Although the  
19 Commission did not suspend the underlying WNA for investigation, the Suspension  
20 Order contained the standard language indicating that the investigation of Supplement  
21 No. 152 shall also consider whether PGW's existing rates, rules and regulations are just  
22 and reasonable.

1 **Q. IS THE 25 PERCENT CAP SLATED TO GO INTO EFFECT ON APRIL 1, 2023?**

2 A. No. To accommodate the development of a procedural schedule, PGW voluntarily  
3 extended the effective date to October 1, 2023.

4 **Q. PLEASE EXPLAIN PGW'S BASIS FOR PROPOSING A 25 PERCENT CAP AS A**  
5 **WAY OF PROTECTING CONSUMERS FROM RATE SHOCK.**

6 A. PGW views the proposed 25 percent Cap as offering a simple, interim solution to ensure  
7 that if the WNA formula, due to abnormally warmer weather in Philadelphia in any given  
8 month during this winter heating season, produced an increase in customers' delivery  
9 charges of more than 25 percent, the amount above 25 percent would not be billed to  
10 ratepayers.

11 **Q. DOES SUPPLEMENT NO. 152 ALSO PLACE A SIMILAR CONTROL ON WNA**  
12 **CREDITS?**

13 A. Yes. If the WNA formula, due to abnormally colder weather in Philadelphia, would  
14 result in PGW crediting customers by more than 25 percent, such credits above that  
15 amount would not be billed to ratepayers. Since the express purpose of a WNA is to keep  
16 the utility revenue neutral, notwithstanding abnormal weather, PGW views the Cap as  
17 being equally applicable to both charges and credits.

18 **Q. ISN'T THE PROPOSED 25 PERCENT CAP ITSELF CONTRARY TO THE**  
19 **EXPRESS PURPOSE OF A WNA TO KEEP A UTILITY REVENUE NEUTRAL?**

20 A. Yes, to a degree, it is. For instance, without the 25 percent Cap, the WNA would work as  
21 intended to provide revenue neutrality and financial stability to PGW from the standpoint  
22 of weather trends in Philadelphia that are beyond the control of the Company.  
23 Nonetheless, given the anomaly that occurred with the May 2022 usage, PGW made a  
24 determination that having a control in place is preferable for its customers to the  
25 application of a formula that does not consider the volume of charges or credits. Given



1 the brief amount of time between the unusually large increases based on May 2022 usage  
2 and the onset of the 2022-2023 heating season on October 1, 2022, PGW selected this  
3 simple solution that could be quickly implemented to prevent a recurrence. The cap is a  
4 straightforward solution to explain to customers and has the advantage of being fairly  
5 simple to implement in PGW's billing system.

6 **Q. PLEASE EXPLAIN WHAT YOU MEAN BY A SIMPLE SOLUTION.**

7 A. What I mean is that a cap is a straightforward solution to explain to customers. However,  
8 PGW has not viewed the 25 percent cap as the only possible way of protecting customers,  
9 as well as the Company's own financial stability.

10 **Q. IS PGW OPPOSED TO THE CONSIDERATION IN THIS PROCEEDING OF**  
11 **OTHER ALTERNATIVES?**

12 A. PGW would have to consider any alternatives with extreme caution. Any alternative  
13 modification would have to not fundamentally or materially harm the essential benefit of  
14 the WNA – to make weather variations a neutral factor to both customers and PGW. It  
15 would also have to be something that PGW could actually implement from a technical  
16 standpoint.

17 **V. CONCLUSION**

18 **Q. DOES THAT COMPLETE YOUR TESTIMONY?**

19 A. Yes. However, I reserve the right to offer further testimony. Thank you.

PGW Exhibit DA-1

PGW  
Gas Service Tariff  
Pa. P.U.C. No. 2

Supplement No. 152

**PHILADELPHIA GAS WORKS**  
**GAS SERVICE TARIFF**



Issued by: Seth Shapiro  
President and CEO

PHILADELPHIA GAS WORKS  
800 West Montgomery Avenue  
Philadelphia, PA 19122

Proposed rates to become effective October 1, 2022 in accordance with Philadelphia Gas Works' Petition for Approval On Less Than Statutory Notice of Tariff Supplement Revising Weather Normalization Adjustment, filed August 1, 2022.

**List of Changes Made by this Tariff Supplement**

**TABLE OF CONTENTS (PAGE Nos. 6-7)**

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

**Weather Normalization Adjustment Clause (PAGE Nos. 149-150)**

Adds a control (“cap”) so that customers would not be billed a WNA charge or credit of greater than 25 percent of the Distribution Charge and Gas Cost Adjustment, on any given bill.

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## WEATHER NORMALIZATION ADJUSTMENT CLAUSE

### Provision For Adjustment

The Weather Normalization Adjustment shall be applied to each Mcf (1,000 cubic feet) used for heating purposes under Rate Schedules GS, MS, and PHA (“heating” and “heating only” customers), except for Gas usage under the Special Provisions – Air Conditioning of those rates. The Weather Normalization Adjustment will be applied to customer usage during the period of October 1 through May 31 of each year for each billing cycle (except for the 2021-2022 heating season when the Weather Normalization Adjustment will exclude May 1 through May 31 to the extent that the application would produce a charge to the customer).

### Computation of Weather Normalization Adjustment

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

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

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

### Definitions

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

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

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

DC – Delivery Charge.

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

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

### Operation of Weather Normalization Adjustment

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

### **(C) - Change**



PHILADELPHIA GAS WORKS

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

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

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

Reporting Requirements

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

WNA Cap

The Weather Normalization Adjustment surcharge or credit applied to a customer's bill shall not exceed 25% of the total of the Customer Charge plus the Distribution Charge and, if applicable, plus the Gas Adjustment Charge plus the Interruptible Revenue Credit.

(C)

(C) - Change

PGW Exhibit DA-2

ORIGINAL

Wolf Block

213 Market Street, 9th Floor, P.O. Box 865, Harrisburg, PA 17108-0865  
Tel: (717) 237-7160 ■ Fax: (717) 237-7161 ■ www.WolfBlock.com

Daniel Clearfield  
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DOCUMENT  
FOLDER

May 4, 2006

James McNulty  
Secretary  
PA Public Utility Commission  
Commonwealth Keystone Bldg.  
2nd Fl., 400 North Street  
P.O. Box 3265  
Harrisburg, PA 17105-3265

RECEIVED  
2006 MAY -4 PM 1:37  
PA PUC  
SECRETARY'S BUREAU

Re: Pa PUC v. Philadelphia Gas Works,  
Docket No. R-00017034

Dear Secretary McNulty:

As part of the settlement of Philadelphia Gas Works' ("PGW" 2002 base rate proceeding (R-00017034), the Company was permitted to implement its proposed Weather Normalization Adjustment ("WNA") clause and, in addition, agreed to conduct a review of the costs and benefits of the WNA after three years. In addition, the Settlement stated that "[a] determination will be made at the end of the review as to whether the WNA will continue, with modifications." PGW conducted such a review at the conclusion of the three-year pilot period, the results of which are reflected in the attached Report on Weather Normalization Adjustment Clause (Appendix "A" to the Stipulation). The report incorporates the input and suggestions of the Office of Consumer Advocate ("OCA") and the Office of Trial Staff ("OTS") and contains data and analyses which, in PGW's view, support the continuation of the WNA for PGW. In addition, the OCA and the OTS have entered into a stipulation with PGW which accepts the continuation of the WNA clause for PGW on a permanent basis (with one contingency explained in the stipulation).

As the 2002 Rate Case Settlement did not specify how the WNA review was to occur, PGW, OCA and OTS have agreed that PGW shall submit the WNA Report to the Commission and request that the Commission review the report and issue a secretarial letter or other pronouncement of the Commission, as it determines to be most appropriate, which authorizes or acknowledges that the WNA will continue on a permanent basis. Accordingly,

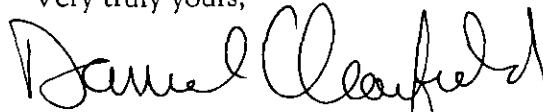
HAR:65530.1/PHI211-156924

57

James McNulty  
May 4, 2006  
Page 2

PGW is hereby submitting its WNA Report and Stipulation to the Commission for its review and any action it determines is appropriate.

Very truly yours,



Daniel Clearfield

For WOLF, BLOCK, SCHORR and SOLIS COHEN LLP

DC/lww

Attachments

cc: Robert Rosenthal, Director, FUS  
Attached Service List

**BEFORE THE  
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

PENNSYLVANIA PUBLIC UTILITY  
COMMISSION

v.

PHILADELPHIA GAS WORKS

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:  
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:  
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:

Docket No. R-00017034

RECEIVED  
2006 MAY -4 PM 1:37  
PA PUC  
SECRETARY'S BUREAU

**STIPULATION**

Philadelphia Gas Works ("PGW"), the Commission's Office of Trial Staff ("OTS") and the Office of Consumer Advocate ("OCA"), (collectively "the Stipulating Parties"), hereby stipulate and agree as follows:

WHEREAS, On February 25, 2002, PGW submitted Supplement No. 17 to Tariff Gas - Pa. P.U.C. No. 1 to become effective for service rendered on or after April 26, 2002, and proposed to increase PGW's base rates by \$60 million annually; and

WHEREAS, the proposed tariff contained a proposal to implement a weather normalization adjustment clause ("WNA") designed to adjust PGW's base rates on a monthly basis to account for colder or warmer than normal weather; and

WHEREAS, prior to completion of the public hearings on the base rate request, the parties were able to reach a Settlement which resolved all issues pertaining to PGW's base rate filing; and

WHEREAS, as part of that settlement, PGW was permitted to implement its proposed WNA as soon as necessary systems modifications were complete; and

WHEREAS, PGW actually began to implement the adjustment clause as of December 1, 2002; and

WHEREAS, the Settlement indicated that the WNA was being put in place for an initial three-year pilot period. At the conclusion of the three year period, the Company agreed to conduct a review of the costs and benefits of the WNA; and

WHEREAS, the Settlement stated that "[a] determination will be made at the end of the review as to whether the WNA will continue, continue with modifications;" and

WHEREAS, the Settlement was approved by the PUC in an order entered on August 2, 2002; and

WHEREAS, the three-year pilot period ended on August 9, 2005; and

WHEREAS, PGW has conducted the review of the costs and benefits of the WNA and has set forth its conclusions in the form of a Report, (hereinafter "the WNA Report") which is attached hereto as Appendix "A"; and

WHEREAS, the Report examined the performance of the WNA over the last three (3) years and its effect on reducing volatility of earnings and concluded that both the Company and its customers have benefited from the existence of the WNA over this period; and

WHEREAS, the Stipulating Parties were provided drafts of the WNA Report and made suggestions for inclusion, which were addressed in the body of the report.

NOW, THEREFORE, it is hereby stipulated and agreed as follows:

1. The other Stipulating Parties agree with PGW's conclusion that PGW's WNA tariff should continue on a permanent basis, subject to the conditions set forth in paragraphs 2 and 3 below.
2. PGW agrees that its internal audit department will annually audit the WNA by selecting a sample from invoices issued during the month in which the highest total monthly surcharge or credit was applied to customers' invoices. The surcharge or credit for the selected

invoices will be recalculated. All procedures will be documented and all data will be saved for a period of six months after the completion of the audit. The results of the annual audit will be provided to the Parties. The Parties will have the right to address any negative audit findings in the appropriate forum(s).

3. PGW agrees that if PGW is purchased by, or otherwise transferred to an investor owned utility, or should become an investor owned utility, PGW agrees that such successor entity may no longer utilize the WNA Clause unless the Commission upon petition by the purchasing IOU in the transfer application proceeding or otherwise authorizes the establishment of a WNA for the successor entity.

4. The Stipulating Parties agree to the following procedure to comply with the terms of the 2002 Rate Case Settlement:

a) PGW shall submit the WNA Report to the Commission and request that the Commission review the report and issue a secretarial letter or other pronouncement of the Commission, as it determines to be most appropriate, which authorizes or acknowledges that the WNA will continue on a permanent basis.

b) The Stipulating Parties, and any other interested person, may file comments to the Report and to PGW's conclusion that the WNA should continue on a permanent basis.

5. The Stipulating Parties specifically acknowledge and agree that PGW's WNA

shall continue unless and until the Commission issues a final order directing that it be terminated or modified.

Respectfully submitted,

**Philadelphia Gas Works**

By Daniel Clearfield  
Daniel Clearfield  
Mark Stewart  
Wolf, Block, Schorr and Solis-Cohen LLP  
213 Market St., 9<sup>th</sup> Fl.  
Harrisburg, PA 17101

Greg Stunder, Esq.  
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Counsel for PGW

Dated: May 3, 2006

**Office of Trial Staff**

By Johnnie E. Simms  
Johnnie E. Simms  
Counsel for Office of Trial Staff

PA Public Utility Commission  
400 North Street, P.O. Box 3265  
Harrisburg, PA 17105-3265

Date: May 4, 2006

**Office of Consumer Advocate**

By Tanya J. McCloskey  
Tanya J. McCloskey  
Stephen J. Keene, Senior Assistant  
Consumer Advocates  
Counsel for Office of Consumer  
Advocate

Office of Consumer Advocate  
555 Walnut Street, 5<sup>th</sup> Floor, Forum Place  
Harrisburg, PA 17101-1923

Dated: May 3, 2006



# PHILADELPHIA GAS WORKS

## REPORT ON WEATHER NORMALIZATION ADJUSTMENT CLAUSE



RECEIVED  
2006 MAY -4, PM 1:38  
PA PUC  
SECRETARY'S BUREAU

Prepared in Compliance with  
Joint Petition For Settlement  
*Pa PUC v. PGW*, R-00017034

PHILADELPHIA GAS WORKS  
800 West Montgomery Avenue  
Philadelphia, PA 19122

November 2005

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## I. BACKGROUND

Traditionally, the base rates of natural gas distribution companies (NGDCs) are established on a "weather normalized" basis, i.e., rates are set to permit the Company to earn at levels determined to be reasonable assuming that sales and revenues are at the levels the utility would experience if the level of experienced "Heating Degree Days" ("HDD") were at "normal" levels. Accordingly, when a year is colder or warmer than some determined "normal" level the NGDC typically earns more or less than the normalized amount, all other things being equal.

One way in which to balance out the effects of "abnormal" weather is by implementing a Weather Normalization Adjustment ("WNA") mechanism. The typical WNA permits the NGDC to true-up its revenues when experienced HDDs in a given period are less than a determined "normal" level. Correspondingly, when experienced HDDs exceed normal levels the utility adjusts its charges to provide a credit to customers. Importantly, the WNA does not result in a utility being able to earn more or realizing an earnings short-fall; it merely permits the utility to recover its authorized level of earnings and, for a cash flow regulated utility, the company's authorized level of liquidity.

As a result of experiencing a number of winters in which abnormal weather caused severe shortfalls in earnings and liquidity, PGW determined that the establishment of a WNA was a crucial requirement if the Company was to return to financial health in the long term.

Accordingly, PGW included a request to establish a WNA clause as part of its 2002 general base rate proceeding. On February 25, 2002, PGW submitted Supplement No. 17 to Tariff Gas - Pa. P.U.C. No. 1 to become effective for service rendered on or after April 26, 2002. This base rate filing sought to increase PGW's base rates by \$60 million and to implement a weather normalization adjustment clause ("WNA"). Prior to completion of the public hearings on the base rate request, the parties were able to reach a Settlement which resolved all issues

pertaining to PGW's base rate filing. As part of that settlement, PGW was permitted to implement its proposed WNA as soon as necessary systems modifications were complete. PGW agreed that the WNA would be put in place after consulting with the settling parties. PGW actually began to implement the adjustment clause as of December 1, 2002. In compliance with its settlement agreement, PGW provided consumer education to its customers to assist them in understanding the workings of the WNA.

The Settlement indicated that the WNA was being put in place for an initial three-year pilot period. At the conclusion of the three year period, the Company agreed to conduct a review of the costs and benefits of the WNA. After that evaluation, a determination was to be made as to whether the WNA will continue, continue with modifications, or be eliminated.

The Settlement was approved by the PUC in an order entered on August 2, 2002.

In presenting its proposal for a WNA, PGW's Craig White explained that the establishment of the Clause would have a number of benefits:

- i. stabilizes cash flow from year-to-year
- ii. can reduce the need for short-term borrowing from year-to-year
- iii. positively affect PGW's credit rating
- iv. reduces the need for costly base rate proceedings<sup>1</sup>

Mr. White also pointed out that a WNA-type clause was particularly appropriate for a municipally owned utility, such as PGW:

I believe that PGW's municipal status makes a WNA particularly appropriate. Under the cash flow method of ratemaking, ratepayers provide revenues to cover the entire costs of service -- but only the cost of service. Any revenue shortfalls or windfalls ultimately inure to the ratepayers. The WNA simply minimizes

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<sup>1</sup> *Pa PUC v. PGW*, R-00017034, PGW BRP St. 2 at 3.

the degree to which such shortfalls or windfalls occur. For a municipal utility that utilizes a WNA, ratepayers are assigned the same responsibilities or obtain the same benefits that they would without a WNA.<sup>2</sup>

In response to the Company's presentation, the OTS agreed with the Company's WNA proposal in principle:

I cannot agree with the Company's proposed WNA as filed. ... However, I agree in concept that a WNA clause would be reasonable only because PGW's rates are established using the cash flow method of ratemaking.<sup>3</sup>

OTS's witness Mr. Metro recommended approval of the WNA clause if several conditions were adopted by the PUC.<sup>4</sup>

OCA witness Thomas Catlin also indicated that a WNA clause would make sense for the PUC to approve for a municipal utility such as PGW:

Generally, a WNA clause would not be appropriate for an investor-owned utility where the costs of capital, especially equity capital, embodies compensation for the very risk that a WNA clause would attenuate....PGW is unique among gas distribution companies in Pennsylvania. PGW is the only gas distribution utility in Pennsylvania regulated by the Commission that is a municipal utility. Moreover, PGW operates on a cash basis according to statute, and it has no source of equity financing in the sense of a traditional investor-owned utility. The Company represents that its ability to borrow short-term is largely exhausted and it has virtually no remaining flexibility to address short-term margin losses.<sup>5</sup>

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<sup>2</sup> Id. at 3-4.

<sup>3</sup> R-00017034, OTS St. 4 at 10.

<sup>4</sup> The conditions Mr. Metro recommended were: 1) the WNA be approved for a 3 year "trial" basis; 2) the Company provide tariff language that describes how the individual customer charge and middle of the month monthly bills will be calculated; and 3) the Company will not file for a rate increase until after June 1, 2005. Id. at 10-12.

<sup>5</sup> R-00017034, OCA St. 3 at 3-4. OCA witness Catlin also recommended several refinements to the Company's proposal, including the filing of periodic reports on the

Accordingly, in evaluating the performance of the clause three years after its initiation PGW has focused on whether the WNA has provided the benefits anticipated and whether PGW's implementation has been otherwise reasonable.

## II. PERFORMANCE OF CLAUSE

In the three years in which the WNA clause has been in place, PGW has credited to customers, on net, approximately \$9.3 million.

### Philadelphia Gas Works Weather Normalization Adjustment Clause

	<u>Fiscal Year</u> <u>2002-03</u>	<u>Fiscal Year</u> <u>2003-04</u>	<u>Fiscal Year</u> <u>2004-05</u>
SEP	-	\$ 5,837	\$ 1,093
OCT	-	(293,666)	(171,486)
NOV	-	1,744,403	(85,304)
DEC	(3,094,912)	249,694	1,456,550
JAN	183,378	(313,490)	2,349,557
FEB	(4,952,755)	(4,584,777)	(791,197)
MAR	(3,636,720)	2,384,882	(3,074,010)
APR	1,334,999	(111,428)	(9,860)
MAY	107,459	2,035,759	(462,910)
JUN	8,492	1,039,386	(568,422)
JUL	11,133	2,828	(11,583)
AUG	9,590	(50,881)	2,410
<b>TOTAL</b>	<b>\$ (10,029,336)</b>	<b>\$ 2,108,547</b>	<b>\$ (1,365,162)</b>

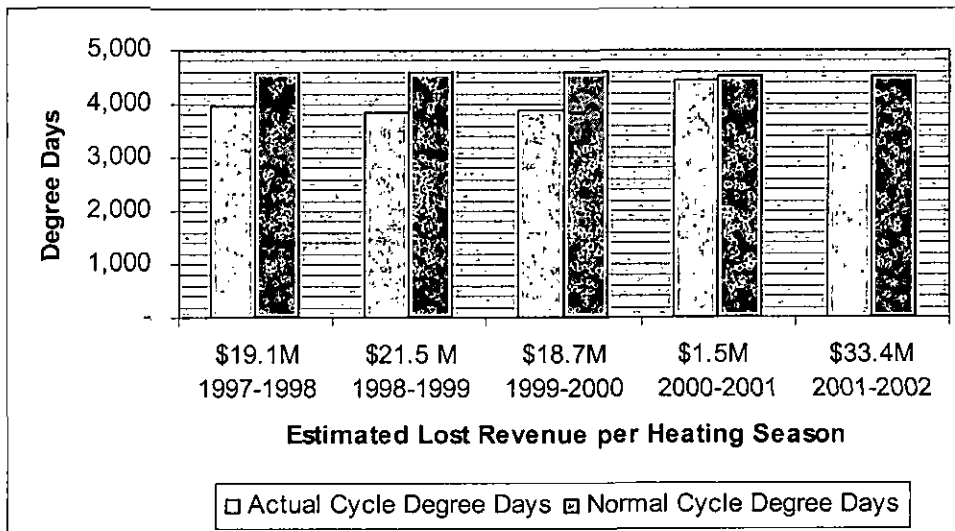
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clause, the establishment of the clause on a 3 year pilot basis, consumer education on the clause and an evaluation of the appropriateness of the 1% plus or minus deadband after actual experience is obtained.

### III. ASSESSMENT OF CLAUSE PERFORMANCE

#### A. Affect on PGW Financial Position

Notwithstanding the fact that, since its inception, the PGW has actually resulted in a net credit to customers, the existence of the WNA has had a very positive effect upon the way in which PGW has been viewed by the financial community. The principal reason for this is that the existence of the WNA has eliminated the effect of weather on earnings and cash flow. Prior to the establishment of PGW's WNA, the Company experienced substantial shortfalls in earnings and cash flow as a result of successive warmer than normal winters. The following chart illustrates PGW's historical experience:



These weather related reductions in earnings and cash flow decimated PGW's already precarious financial position and threatened the Company's ability successfully to issue additional long term debt, the firm's only available source of external capital. In fact, it is estimated that during the five fiscal years ending August 31, 2002, PGW experienced

approximately \$94 million in lost revenue due to higher than normal temperatures. As a result, PGW was downgraded to the lowest investment grade and was required to pay extremely high effective interest rates in order to obtain the long term financing on which it relies to maintain its capital improvement program. It was also forced to obtain a series of base rate increases (including a \$36 million emergency rate increase) in order to "weather" the storm.

With the implementation of the WNA, PGW has not filed any additional base rate cases and, while many other factors have continued to keep the Company in a challenging financial position, the investment community has recognized that PGW's earnings and cash flow are now uniquely insulated from the vagaries of weather. Both Standard & Poor's ("S & P") and Moody's continue to cite the WNA as a positive factor. In fact, both rating agencies have discussed the WNA in some of their most recently issued reports. In May 2005, S & P reiterated that "[a]nother indication of regulatory support involves the PUC's relatively recent approval of a weather normalization adjustment for PGW – the first such allowance to a gas utility in Pennsylvania. The WNA enables PGW to smooth out fluctuations in margin revenue due to abnormal weather in winter months."<sup>6</sup> Again, on August 30, 2005, in a report in which S & P affirmed PGW's bond rating as the lowest investment grade rating and affirmed a negative outlook, S & P stated: "The current rating assumes that the company will continue to have access to its WNA. Although poor collections exacerbate liquidity problems in colder-than-normal years (as total customer bills increase), the WNA keeps distribution revenues from dropping precipitously in years with warmer-than-normal winters."<sup>7</sup> Likewise, Moody's has clearly expressed that "[p]rior to the natural gas price spike in 2003 PGW has implemented several

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<sup>6</sup> Standard & Poor's Full Report (May 19, 2005).

<sup>7</sup> Standard & Poor's Full Report (August 30, 2005).



changes that were to be key to improved financial performance. PGW ... was granted a Weather Normalization Adjustment, to normalize the impact of changes in weather on cash flow.”<sup>8</sup> Additionally, Fitch Ratings favorably commented on the WNA after its approval. When discussing rating considerations, Fitch reported that the “rating considers management’s continued focus on cost control, steady albeit slow improvement in customer collections, and recent rate modifications that have provided some stability to cash flow...”<sup>9</sup> The rate modifications were described later in the report as permanent base rate relief of \$70 million, as well as the ability to levy a WNA for warmer than normal years.”<sup>10</sup>

B. Effect on Customers

The WNA clause has been well accepted by PGW customers. Since its inception, PGW has had an extremely small number of complaints. The Clause has been calculated without any errors or revisions being necessary.

C. WNA Billing

PGW's WNA formula used to apply the clause works as it was intended. In order to demonstrate this, PGW sampled all rate classes to which the WNA was applied<sup>11</sup> for the month of March 2005. March 2005 was selected because it was the month during which the

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<sup>8</sup> Moody’s Report (September 28, 2004).

<sup>9</sup> Fitch Ratings Report, p. 2 (December 18, 2002).

<sup>10</sup> *Id.*

<sup>11</sup> GS, MS and PHA.

largest credit was issued during the 2004-2005 fiscal year. After selecting a sample size<sup>12</sup> from each rate class, the WNA applied to each selected invoice was recalculated and no exceptions were identified. PGW's conclusion is that algorithms and billing systems used to calculate the WNA are accurate and reliable.

#### **IV. WORKSHOPS**

PGW held two telephonic workshops with the Office of the Trial Staff (“OTS”), the Office of the Consumer Advocate (“OCA”), the Office of the Small Business Advocate (“OSBA”), and the Philadelphia Industrial and Commercial Users Group (“PICGUG”) (collectively the “Parties”) on August 30 and September 15, 2005 in order to discuss draft forms of this report and exchange information. PGW and the Parties discussed many issues, the more prominent of which follow.

##### **A. WNA Deadband**

At least one of the workshop participants asked that PGW provide an analysis of the pros and cons of modifying the existing deadband, currently set at 1%. Based upon total residential heating season sales (10/1 to 5/31) of 36 Bcf, each increase of the deadband by 1% shows a correlating decrease in the total heating season surcharge or credit of \$1.5M. For example, when 36 Bcf is used as baseline residential heating season sales which are then adjusted for 5% warmer or colder weather, the resulting surcharge/credit is \$6,050,000 using a 1% deadband. The increase of the deadband to 2%, 3%, 4% and 5% results in surcharges/credits of \$4,550,000, \$3,030,000, \$1,520,000 and \$0, respectively. The same incremental change of

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<sup>12</sup> Three populations (i.e. March 2005 GS, MS and PHA invoices) were sampled based upon a 95% confidence level and a confidence interval of plus or minus 5%.

approximately \$1.5M per 1% occurs even if the temperature variance is less than 5% warmer/colder or greater than 5% warmer/colder.

The rating agencies have clearly indicated that they rely upon the WNA to be a risk mitigating tool, therefore, an increase of the deadband beyond 1% will diminish the effect of the WNA as a risk mitigating tool. After discussing PGW's analysis and the independent analyses prepared by another party, it was agreed that the deadband at 1% should be maintained.

B. WNA Audit

PGW and the parties agreed that it would be appropriate to conduct annual audits of the WNA. Accordingly, it was agreed that PGW's internal audit department will annually audit the WNA by selecting a sample from invoices issued during the month in which the highest total monthly surcharge or credit was applied to customers' invoices. The surcharge or credit for the selected invoices will be recalculated. All procedures will be documented and all data will be saved for a period of six months after the completion of the audit. The results of the annual audit will be provided to the Parties. The Parties will have the right to address any negative audit findings in the appropriate forum(s).

C. Change in Ownership of PGW

OTS wanted to address the question of the continuation of the clause in the event that PGW was sold to or transferred into an investor owned utility. Accordingly, it was agreed that if PGW is purchased by, or otherwise transferred to an investor owned utility or should become an investor owned utility, PGW agrees that such successor entity may no longer utilize the WNA Clause unless the Commission upon petition by the purchasing IOU in the transfer

application proceeding or otherwise authorizes the establishment of a WNA for the successor entity.

**V. PGW CONCLUSIONS REGARDING THE WNA**

While PGW continues to struggle under the weight of a variety of systemic (i.e. historically high natural gas prices) and idiosyncratic (high uncollectibles and low but improving cash receipts percentages) PGW's financial health would be far worse without the WNA Clause. There is no question that it can and must continue. PGW intends to continue the clause to obtain the needed benefits for the Company, its employees and, most importantly, its customers.

## CERTIFICATE OF SERVICE

I hereby certify that I have this day served a true copy of the foregoing document upon the participants listed below in accordance with the requirements of § 1.54 (relating to service by a participant).

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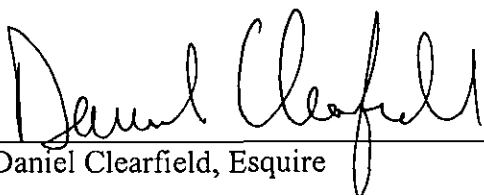
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Dated: May 4, 2006

  
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May 24, 2006

**HAND DELIVERED**

James J. McNulty, Secretary  
Pennsylvania Public Utility Commission  
Commonwealth Keystone Building  
P. O. Box 3265  
Harrisburg, PA 17105-3265

**Re: Pennsylvania Public Utility Commission v. Philadelphia Gas Works  
Docket No. R-00017034**

Dear Secretary McNulty:

I am delivering for filing today the original plus three copies of the Answer of the Office of Small Business Advocate to Philadelphia Gas Works' Proposed Stipulation filed on May 4, 2006.

As evidenced by the enclosed Certificate of Service, two copies have been served on all parties in this proceeding.

Sincerely,

Steven C. Gray  
Assistant Small Business Advocate  
Attorney ID No. 77538

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Enclosures

cc: Parties of Record

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2006 MAY 24 PM 5:02  
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BEFORE THE  
PENNSYLVANIA PUBLIC UTILITY COMMISSION

PENNSYLVANIA PUBLIC UTILITY  
COMMISSION

v.

PHILADELPHIA GAS WORKS

DOCKET NO. R-00017034

SECRETARY'S BUREAU

2005 MAY 24 PM 5:02

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**CERTIFICATE OF SERVICE**

I certify that I am serving two copies of the Answer to Philadelphia Gas Works' Proposed Stipulation, on behalf of the Office of Small Business Advocate, by e-mail and first class mail (unless otherwise noted) upon the persons addressed below:

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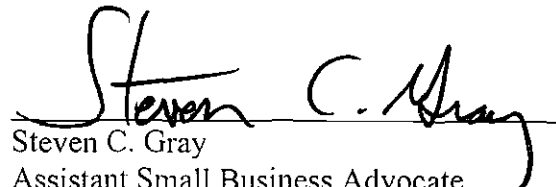
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Date: May 24, 2006

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PA. PUBLIC  
UTILITY  
SECRETARY'S BUREAU

BEFORE THE  
PENNSYLVANIA PUBLIC UTILITY COMMISSION

**ORIGINAL**

PENNSYLVANIA PUBLIC UTILITY  
COMMISSION

v.

DOCKET NO. R-00017034

PHILADELPHIA GAS WORKS

**OFFICE OF SMALL BUSINESS ADVOCATE'S  
ANSWER TO PHILADELPHIA GAS WORKS'  
PROPOSED STIPULATION**

SECRETARY'S OFFICE

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On May 2, 2006, Philadelphia Gas Works ("PGW" or the "Company") filed a Stipulation with the Pennsylvania Public Utility Commission ("Commission") that addresses the Company's weather normalization adjustment ("WNA") clause placed into operation as a "three-year pilot" by the Commission. See Docket No. R-00017034 (Order entered August 8, 2002), at Ordering Paragraph 5(c). The Stipulation proposes to place the WNA clause into permanent operation.

The Office of Small Business Advocate ("OSBA") submits this Answer in response to the Stipulation.

**Responses to the Stipulation's Numbered Paragraphs**

1. The averments of Paragraph 1 contain summaries of the Company's request for relief to which no response is required. By way of further response, the WNA clause went into effect on December 1, 2002. See *Stipulation*, at page 1. Consequently, the "three-year pilot" ended on November 30, 2005. The operation of the WNA clause should have terminated at that time. See also, *Statement in Support of the Office of Consumer Advocate*, Docket No. R-00017034 (Dated June 26, 2002), at page 3 ("The

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WNA is limited to a three year pilot period, at which time the Company will conduct a review of the costs and benefits of the WNA.”) Instead, the WNA clause continued to operate throughout the winter 2005-2006 season.<sup>1</sup>

2. The averments of Paragraph 2 contain summaries of the Company’s request for relief to which no response is required. By way of further response, the OSBA respectfully requests that the Commission order PGW to provide the OSBA with a copy of the annual WNA audit, and grant the OSBA the opportunity to “address any negative audit findings in the appropriate forum(s).”

3. The averments of Paragraph 3 contain summaries of the Company’s request for relief to which no response is required.

4a. The averments of Paragraph 4a contain summaries of the Company’s request for relief to which no response is required. By way of further response, the OSBA agrees that the Commission should review the Company’s *Report on Weather Normalization Adjustment Clause* once the Company has updated that *Report* for the winter 2005-2006 season. Specifically, the OSBA observes that Section II of the *Report* documents that the WNA clause has credited PGW’s customers two out of the three years of the WNA clause’s operation, and “since its inception, the [WNA] has actually resulted in a net credit to customers.” *Report*, at 6. If that trend continued in the winter 2005-2006 season, the OSBA is concerned that the WNA clause may not be properly designed for PGW’s purposes.

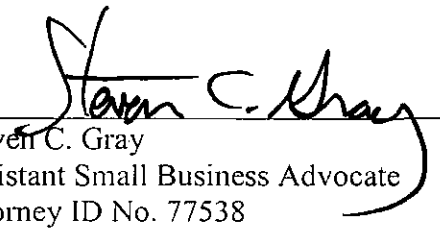
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<sup>1</sup> The OSBA has not received any analysis of the operation of the WNA clause for the winter of 2005-2006 season from the Company. That analysis should be similar to what is set forth in Section II (entitled “Performance of the Clause”) of the Company’s *Report on Weather Normalization Adjustment Clause* that is attached to the Stipulation.

4b. The averments of Paragraph 4b contain summaries of the Company's request for relief to which no response is required. By way of further response, the OSBA respectfully submits that placing the WNA into permanent operation is not reasonable at this time. Instead, the OSBA recommends that the WNA clause be continued for an additional three-year trial period (which includes the winter 2005-2006 season), be subject to a full review by all interested parties at the conclusion of that additional three-year trial period, and be terminated at the end of that additional period unless there is a Commission Order continuing the operation of the WNA clause beyond the conclusion of the six-year trial period.

5. The averments of Paragraph 5 contain summaries of the Company's request for relief to which no response is required. By way of further response, the OSBA recommends that the WNA clause be continued for an additional three-year trial period (which includes the winter 2005-2006 season), be subject to a full review by all interested parties at the conclusion of that additional three-year trial period, and be terminated at the end of that additional period unless there is a Commission Order continuing the operation of the WNA clause beyond the conclusion of the six-year trial period. However, because the WNA clause should have ceased operation on November 30, 2005 (as required by the Commission's Order at Docket No. R-00017034), the OSBA respectfully requests that the Commission enter an Order granting a three-year extension for the operation of the WNA clause through the winter 2007-2008, at which time the WNA should be subject to a full review and further Commission Order.

Respectfully submitted,

  
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Assistant Small Business Advocate  
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June 6, 2006

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JUN 06 2006

PA PUBLIC UTILITY COMMISSION  
SECRETARY'S BUREAU

Re: PA PUC v. Philadelphia Gas Works,  
Docket No. R-00017034

Dear Secretary McNulty:

On behalf of Philadelphia Gas Works, enclosed for filing please find an original and three copies of its Response to the Office of Small Business Advocate's Answer to the Joint Stipulation with regard to the above-referenced matter. A copy has been served in accordance with the attached Certificate of Service.

Very truly yours,

*Daniel Clearfield*  
Daniel Clearfield

For WOLF, BLOCK, SCHORR and SOLIS-COHEN LLP

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DC/lww  
Enclosure

cc: Attached Cert. of Service w/enc.

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51

## CERTIFICATE OF SERVICE

I hereby certify that I have this day served a true copy of the foregoing document upon the participants listed below in accordance with the requirements of § 1.54 (relating to service by a participant).

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PA PUBLIC UTILITY COMMISSION  
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Dated: June 6, 2006

  
Daniel Clearfield, Esquire



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PENNSYLVANIA PUBLIC UTILITY COMMISSION

JUN 06 2006

PENNSYLVANIA PUBLIC UTILITY  
COMMISSION

PA PUBLIC UTILITY COMMISSION  
SECRETARY'S BUREAU

v.

Docket No. R-00017034

PHILADELPHIA GAS WORKS

**PHILADELPHIA GAS WORKS' RESPONSE TO OFFICE OF SMALL  
BUSINESS ADVOCATE'S ANSWER TO PHILADELPHIA GAS WORKS'  
JOINT STIPULATION**

Philadelphia Gas Works ("PGW") hereby provides this response to the document filed by the Office of Small Business Advocate ("OSBA") which it characterized as an "Answer to Philadelphia Gas Works' Proposed Stipulation." While OSBA presents its position on the Joint Stipulation filed by Office of Trial Staff ("OTS"), the Office of Consumer Advocate ("OCA"), and PGW regarding the continuation of PGW's WNA tariff, it also makes several factual statements which require correction or clarification.

The joint stipulation was filed in accordance with the requirements of the settlement of the Company's 2002 rate case in which the parties agreed to permit the WNA to be placed into effect, but to study it after three years and make a determination whether it should continue or be modified, in whole or in part. Based upon a report prepared by PGW, with the input from the public parties, the Joint Stipulation endorsed the Clause and agreed that the WNA should continue as it is structured today, as a permanent part of PGW's rate structure.

While the OSBA joins with the other parties in agreeing that the PGW WNA clause should continue, it, unnecessarily and unreasonably, suggests that the clause should only be approved for an additional three years after which it should terminate unless the Commission issues an order to the contrary before that. As the clause is universally viewed as beneficial to PGW and its customers, and its termination would have profoundly negative consequences for

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PGW's financial circumstances, OSBA's suggestions should be rejected and, as the Joint Stipulation requests, the Commission should acknowledge that the WNA will continue in place, just as its present tariff states.

1. Preliminarily, the OSBA's document characterizes the joint filing as "PGW's proposed stipulation;" this is wrong on two counts. First, the document was filed jointly by PGW, OCA and OTS; it is not "PGW's" Stipulation. Second, the stipulation is not "proposed;" the Stipulation reflects the position of the majority of the public parties that the WNA should continue because it is good for the Company and fair to the customers.

2. OSBA requests that the report prepared by PGW detailing the Company's experience with the clause be updated to include results for the 2005-06 winter season. Attached (Attachment "A") is an Updated WNA Report which includes this information. This version is modified only to add the 2005-06 results and to remove any general characterizations of the actual WNA experience which were based on pre-2005-06 data.

3. Most importantly, OSBA incorrectly states that the original, 2002 rate Settlement had agreed that the WNA would be in place for three years and then terminated.<sup>1</sup> In addition, OSBA stated that "the WNA clause should have ceased operation on November 30, 2005 (as required by the Commission's Order at Docket No. R-00017034)."<sup>2</sup> These statements are completely untrue. The 2002 rate case Settlement states only that the clause would be in place for an initial three year pilot period, after which PGW was required to conduct a review of the clause and prepare a report which would inform a decision as to whether the clause should continue or be terminated (the relevant portions of the Settlement Agreement are attached as

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<sup>1</sup> OSBA "Answer" at 1.

<sup>2</sup> OSBA "Answer" at 3.

Attachment "B"). The actual language from the Commission's order approving the settlement restates the settlement term:

the WNA will have a three-year pilot period. At the conclusion of the three year period, the Company will conduct a review of the costs and benefits of the WNA. A determination will be made at the end of the review as to whether the WNA will continue, continue with modifications, or be eliminated.<sup>3</sup>

4. As can be plainly observed, there is nothing in the Settlement or the Commission's Order approving the Settlement, which states that the WNA is to "terminate" after the three-year pilot period. Such a suggestion is not only inconsistent with the plain language in the Settlement but it is also inconsistent with permanent nature of the tariff provision implementing the WNA which was approved by the Commission when the 2002 Settlement was approved. That tariff provision was filed as part of PGW's compliance filing implementing the Settlement and was served upon all parties to the proceeding including OSBA. Neither OSBA nor any other party raised an objection to the tariff provision implementing the WNA, as per the Settlement and the Commission's Order. The tariff language states, in part, as follows:

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

The full text of the WNA tariff provisions are attached hereto as Attachment "C." This tariff provision is permanent in every respect and does not state that it "terminates" or ends after three

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<sup>3</sup> *Pa PUC v. PGW*, R-00017034 (August 8, 2002) Ordering ¶ 5(c).

years. This is conclusive proof that the Commission did not order the clause to terminate at the end of the initial "pilot" but only that a review should occur at that time. If the OSBA was *confused about the Settlement language or had a different interpretation than the Company*, the Commission (as evidenced by the PUC's approval of the Company's permanent tariff provision) or all of the other parties, none of which have endorsed the OSBA view, it should have raised it in 2002.

5. Ironically, OSBA's substantive position does not challenge the appropriateness of the WNA (which makes its initial position even harder to understand), but suggests that the WNA be continued as an additional "trial" for another three years and that at the end of that second three year period, the clause should terminate, unless there is a PUC order prior to the end of the second trial which authorizes its continuation.<sup>4</sup>

6. PGW is not opposed to a second review and evaluation of the WNA after three years if the Commission, in its discretion, believes such a review would be prudent, but strongly opposes OSBA's suggestion that the clause should terminate after the 2007-08 winter unless the PUC issues an order continuing it. The WNA has been – and will continue to be – enormously important to PGW in providing a certain amount of financial stability for the Company. Creating a risk that the clause might not continue merely because of inadvertence or administrative error could create unnecessary and harmful uncertainty for PGW and its ratepayers.

7. In PGW's WNA Evaluation Report (attached), PGW documented how the WNA has insulated PGW's financial results from the vagaries of the weather and has had a positive impact on the way in which PGW is viewed by the bond rating agencies.<sup>5</sup> Clearly, the

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<sup>4</sup> OSBA "Answer" at ¶ 5.

<sup>5</sup> See, WNA Report at 6-8.

elimination of the WNA would have an extremely negative effect on the Company's bond rating and worsen its already precarious financial condition. Under the circumstances, putting in place a scheme in which the WNA clause would automatically go away unless the Commission took timely action is risky and inadvisable, especially since all parties, including OSBA endorse its continuation.

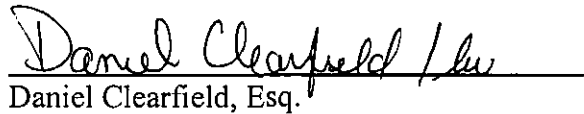
8. The OSBA does make a passing reference in its Answer to the fact that prior to the 2005-06 season, the WNA had resulted in a net credit to customers, and that "the OSBA is concerned that the WNA clause may not be properly designed for PGW's purposes."<sup>6</sup> In light of the fact that the updated Report (including the 2005-06 data) shows that, over the last four years, the WNA has resulted in a small charge (\$3.9 million) to customers (which amounts to, on average, less than \$1 million a year), the OSBA should have no further concerns.

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<sup>6</sup> OSBA "Answer" at ¶ 4a.

WHEREFORE, PGW respectfully urges the Commission to reject both OSBA's incorrect factual assertions and its recommendations. PGW also requests that the Commission adopt the Joint Stipulation and indicate its approval of the continuation of the WNA for PGW. If the PUC believes that the WNA clause should be reviewed further, it should order such a review but make clear that the WNA clause will continue unless and until the Commission enters an order terminating or modifying the clause.

Respectfully submitted,



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Dated: June 6, 2006

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# Attachment A

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# PHILADELPHIA GAS WORKS

## REPORT ON WEATHER NORMALIZATION ADJUSTMENT CLAUSE



Prepared in Compliance with  
Joint Petition For Settlement  
*Pa PUC v. PGW*, R-00017034

PHILADELPHIA GAS WORKS  
800 West Montgomery Avenue  
Philadelphia, PA 19122

November 2005

Updated June 2006



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## **I. BACKGROUND**

Traditionally, the base rates of natural gas distribution companies (NGDCs) are established on a "weather normalized" basis, i.e., rates are set to permit the Company to earn at levels determined to be reasonable assuming that sales and revenues are at the levels the utility would experience if the level of experienced "Heating Degree Days" ("HDD") were at "normal" levels. Accordingly, when a year is colder or warmer than some determined "normal" level the NGDC typically earns more or less than the normalized amount, all other things being equal.

One way in which to balance out the effects of "abnormal" weather is by implementing a Weather Normalization Adjustment ("WNA") mechanism. The typical WNA permits the NGDC to true-up its revenues when experienced HDDs in a given period are less than a determined "normal" level. Correspondingly, when experienced HDDs exceed normal levels the utility adjusts its charges to provide a credit to customers. Importantly, the WNA does not result in a utility being able to earn more or realizing an earnings short-fall; it merely permits the utility to recover its authorized level of earnings and, for a cash flow regulated utility, the company's authorized level of liquidity.

As a result of experiencing a number of winters in which abnormal weather caused severe shortfalls in earnings and liquidity, PGW determined that the establishment of a WNA was a crucial requirement if the Company was to return to financial health in the long term.

Accordingly, PGW included a request to establish a WNA clause as part of its 2002 general base rate proceeding. On February 25, 2002, PGW submitted Supplement No. 17 to Tariff Gas - Pa. P.U.C. No. 1 to become effective for service rendered on or after April 26, 2002. This base rate filing sought to increase PGW's base rates by \$60 million and to implement a weather normalization adjustment clause ("WNA"). Prior to completion of the public hearings on the base rate request, the parties were able to reach a Settlement which resolved all issues

pertaining to PGW's base rate filing. As part of that settlement, PGW was permitted to implement its proposed WNA as soon as necessary systems modifications were complete. PGW agreed that the WNA would be put in place after consulting with the settling parties. PGW actually began to implement the adjustment clause as of December 1, 2002. In compliance with its settlement agreement, PGW provided consumer education to its customers to assist them in understanding the workings of the WNA.

The Settlement indicated that the WNA was being put in place for an initial three-year pilot period. At the conclusion of the three year period, the Company agreed to conduct a review of the costs and benefits of the WNA. After that evaluation, a determination was to be made as to whether the WNA will continue, continue with modifications, or be eliminated.

The Settlement was approved by the PUC in an order entered on August 2, 2002.

In presenting its proposal for a WNA, PGW's Craig White explained that the establishment of the Clause would have a number of benefits:

- i. stabilizes cash flow from year-to-year
- ii. can reduce the need for short-term borrowing from year-to-year
- iii. positively affect PGW's credit rating
- iv. reduces the need for costly base rate proceedings<sup>1</sup>

Mr. White also pointed out that a WNA-type clause was particularly appropriate for a municipally owned utility, such as PGW:

I believe that PGW's municipal status makes a WNA particularly appropriate. Under the cash flow method of ratemaking, ratepayers provide revenues to cover the entire costs of service -- but only the cost of service. Any revenue shortfalls or windfalls ultimately inure to the ratepayers. The WNA simply minimizes

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<sup>1</sup> *Pa PUC v. PGW*, R-00017034, PGW BRP St. 2 at 3.

the degree to which such shortfalls or windfalls occur. For a municipal utility that utilizes a WNA, ratepayers are assigned the same responsibilities or obtain the same benefits that they would without a WNA.<sup>2</sup>

In response to the Company's presentation, the OTS agreed with the Company's WNA proposal in principle:

I cannot agree with the Company's proposed WNA as filed. ... However, I agree in concept that a WNA clause would be reasonable only because PGW's rates are established using the cash flow method of ratemaking.<sup>3</sup>

OTS's witness Mr. Metro recommended approval of the WNA clause if several conditions were adopted by the PUC.<sup>4</sup>

OCA witness Thomas Catlin also indicated that a WNA clause would make sense for the PUC to approve for a municipal utility such as PGW:

Generally, a WNA clause would not be appropriate for an investor-owned utility where the costs of capital, especially equity capital, embodies compensation for the very risk that a WNA clause would attenuate. ... PGW is unique among gas distribution companies in Pennsylvania. PGW is the only gas distribution utility in Pennsylvania regulated by the Commission that is a municipal utility. Moreover, PGW operates on a cash basis according to statute, and it has no source of equity financing in the sense of a traditional investor-owned utility. The Company represents that its ability to borrow short-term is largely exhausted and it has virtually no remaining flexibility to address short-term margin losses.<sup>5</sup>

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<sup>2</sup> Id. at 3-4.

<sup>3</sup> R-00017034, OTS St. 4 at 10.

<sup>4</sup> The conditions Mr. Metro recommended were: 1) the WNA be approved for a 3 year "trial" basis; 2) the Company provide tariff language that describes how the individual customer charge and middle of the month monthly bills will be calculated; and 3) the Company will not file for a rate increase until after June 1, 2005. Id. at 10-12.

<sup>5</sup> R-00017034, OCA St. 3 at 3-4. OCA witness Catlin also recommended several refinements to the Company's proposal, including the filing of periodic reports on the

Accordingly, in evaluating the performance of the clause three years after its initiation PGW has focused on whether the WNA has provided the benefits anticipated and whether PGW's implementation has been otherwise reasonable.

## II. PERFORMANCE OF CLAUSE

In the three years in which the WNA clause has been in place, PGW customers have remitted to PGW on net, approximately \$3.9 million.

**Philadelphia Gas Works**  
**Weather Normalization Clause**

	<u>Fiscal Year</u> <u>2002-03</u>	<u>Fiscal Year</u> <u>2003-04</u>	<u>Fiscal Year</u> <u>2004-05</u>	<u>Fiscal Year</u> <u>2005-06</u>	
SEP	- \$	5,837	\$ 1,093	2,492	
OCT	-	(293,666)	(171,486)	657,761	
NOV	-	1,744,403	(85,304)	799,667	
DEC	(3,094,912)	249,694	1,456,550	(1,991,219)	
JAN	183,378	(313,490)	2,349,557	4,778,258	
FEB	(4,952,755)	(4,584,777)	(791,197)	5,695,014	
MAR	(3,636,720)	2,384,882	(3,074,010)	(61,095)	
APR	1,334,999	(111,428)	(9,860)	2,342,224	
MAY	107,459	2,035,759	(462,910)	<b>1,024,782</b>	<b>MAY 2006 = ESTIMATE</b>
JUN	8,492	1,039,386	(568,422)		
JUL	11,133	2,828	(11,583)		
AUG	9,590	(50,881)	2,410		
<b>TOTAL</b>	<b>\$ (10,029,336)</b>	<b>\$ 2,108,547</b>	<b>\$ (1,365,162)</b>	<b>\$ 13,247,883</b>	<b>\$ 3,961,932</b>

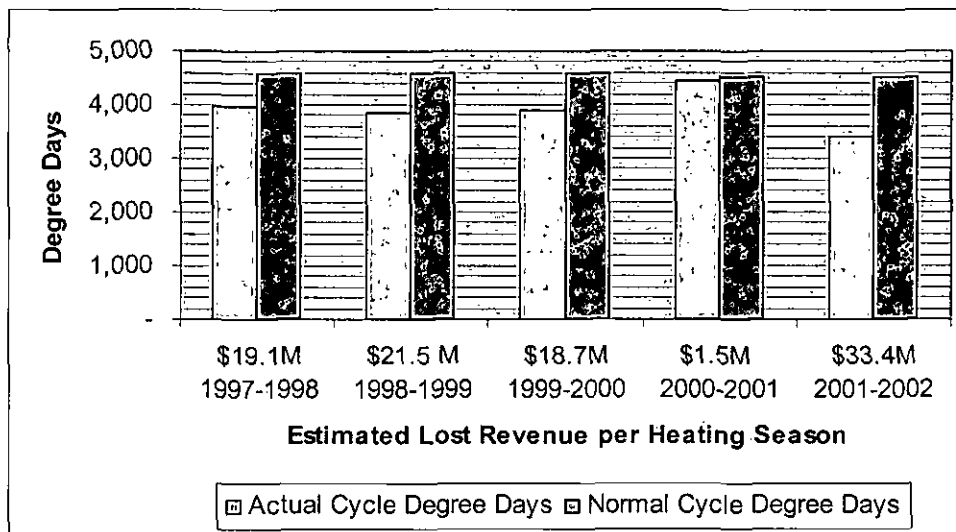
Updated June 2006

clause, the establishment of the clause on a 3 year pilot basis, consumer education on the clause and an evaluation of the appropriateness of the 1% plus or minus deadband after actual experience is obtained.

### III. ASSESSMENT OF CLAUSE PERFORMANCE

#### A. Affect on PGW Financial Position

The WNA has had a very positive effect upon the way in which PGW has been viewed by the financial community. The principal reason for this is that the existence of the WNA has eliminated the effect of weather on earnings and cash flow. Prior to the establishment of PGW's WNA, the Company experienced substantial shortfalls in earnings and cash flow as a result of successive warmer than normal winters. The following chart illustrates PGW's historical experience:



These weather related reductions in earnings and cash flow decimated PGW's already precarious financial position and threatened the Company's ability successfully to issue additional long term debt, the firm's only available source of external capital. In fact, it is estimated that during the five fiscal years ending August 31, 2002, PGW experienced

approximately \$94 million in lost revenue due to higher than normal temperatures. As a result, PGW was downgraded to the lowest investment grade and was required to pay extremely high effective interest rates in order to obtain the long term financing on which it relies to maintain its capital improvement program. It was also forced to obtain a series of base rate increases (including a \$36 million emergency rate increase) in order to "weather" the storm.

With the implementation of the WNA, PGW has not filed any additional base rate cases and, while many other factors have continued to keep the Company in a challenging financial position, the investment community has recognized that PGW's earnings and cash flow are now uniquely insulated from the vagaries of weather. Both Standard & Poor's ("S & P") and Moody's continue to cite the WNA as a positive factor. In fact, both rating agencies have discussed the WNA in some of their most recently issued reports. In May 2005, S & P reiterated that "[a]nother indication of regulatory support involves the PUC's relatively recent approval of a weather normalization adjustment for PGW – the first such allowance to a gas utility in Pennsylvania. The WNA enables PGW to smooth out fluctuations in margin revenue due to abnormal weather in winter months."<sup>6</sup> Again, on August 30, 2005, in a report in which S & P affirmed PGW's bond rating as the lowest investment grade rating and affirmed a negative outlook, S & P stated: "The current rating assumes that the company will continue to have access to its WNA. Although poor collections exacerbate liquidity problems in colder-than-normal years (as total customer bills increase), the WNA keeps distribution revenues from dropping precipitously in years with warmer-than-normal winters."<sup>7</sup> Likewise, Moody's has clearly expressed that "[p]rior to the natural gas price spike in 2003 PGW has implemented several

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<sup>6</sup> Standard & Poor's Full Report (May 19, 2005).

<sup>7</sup> Standard & Poor's Full Report (August 30, 2005).

changes that were to be key to improved financial performance. PGW ... was granted a Weather Normalization Adjustment, to normalize the impact of changes in weather on cash flow.”<sup>8</sup>

Additionally, Fitch Ratings favorably commented on the WNA after its approval. When discussing rating considerations, Fitch reported that the “rating considers management’s continued focus on cost control, steady albeit slow improvement in customer collections, and recent rate modifications that have provided some stability to cash flow...”<sup>9</sup> The rate modifications were described later in the report as permanent base rate relief of \$70 million, as well as the ability to levy a WNA for warmer than normal years.”<sup>10</sup>

B. Effect on Customers

The WNA clause has been well accepted by PGW customers. Since its inception, PGW has had an extremely small number of complaints. The Clause has been calculated without any errors or revisions being necessary.

C. WNA Billing

PGW's WNA formula used to apply the clause works as it was intended. In order to demonstrate this, PGW sampled all rate classes to which the WNA was applied<sup>11</sup> for the month of March 2005. March 2005 was selected because it was the month during which the

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<sup>8</sup> Moody’s Report (September 28, 2004).

<sup>9</sup> Fitch Ratings Report, p. 2 (December 18, 2002).

<sup>10</sup> *Id.*

<sup>11</sup> GS, MS and PHA.



largest credit was issued during the 2004-2005 fiscal year. After selecting a sample size<sup>12</sup> from each rate class, the WNA applied to each selected invoice was recalculated and no exceptions were identified. PGW's conclusion is that algorithms and billing systems used to calculate the WNA are accurate and reliable.

#### **IV. WORKSHOPS**

PGW held two telephonic workshops with the Office of the Trial Staff (“OTS”), the Office of the Consumer Advocate (“OCA”), the Office of the Small Business Advocate (“OSBA”), and the Philadelphia Industrial and Commercial Users Group (“PICGUG”) (collectively the “Parties”) on August 30 and September 15, 2005 in order to discuss draft forms of this report and exchange information. PGW and the Parties discussed many issues, the more prominent of which follow.

##### **A. WNA Deadband**

At least one of the workshop participants asked that PGW provide an analysis of the pros and cons of modifying the existing deadband, currently set at 1%. Based upon total residential heating season sales (10/1 to 5/31) of 36 Bcf, each increase of the deadband by 1% shows a correlating decrease in the total heating season surcharge or credit of \$1.5M. For example, when 36 Bcf is used as baseline residential heating season sales which are then adjusted for 5% warmer or colder weather, the resulting surcharge/credit is \$6,050,000 using a 1% deadband. The increase of the deadband to 2%, 3%, 4% and 5% results in surcharges/credits of \$4,550,000, \$3,030,000, \$1,520,000 and \$0, respectively. The same incremental change of

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<sup>12</sup> Three populations (i.e. March 2005 GS, MS and PHA invoices) were sampled based upon a 95% confidence level and a confidence interval of plus or minus 5%.

approximately \$1.5M per 1% occurs even if the temperature variance is less than 5% warmer/colder or greater than 5% warmer/colder.

The rating agencies have clearly indicated that they rely upon the WNA to be a risk mitigating tool, therefore, an increase of the deadband beyond 1% will diminish the effect of the WNA as a risk mitigating tool. After discussing PGW's analysis and the independent analyses prepared by another party, it was agreed that the deadband at 1% should be maintained.

B. WNA Audit

PGW and the parties agreed that it would be appropriate to conduct annual audits of the WNA. Accordingly, it was agreed that PGW's internal audit department will annually audit the WNA by selecting a sample from invoices issued during the month in which the highest total monthly surcharge or credit was applied to customers' invoices. The surcharge or credit for the selected invoices will be recalculated. All procedures will be documented and all data will be saved for a period of six months after the completion of the audit. The results of the annual audit will be provided to the Parties. The Parties will have the right to address any negative audit findings in the appropriate forum(s).

C. Change in Ownership of PGW

OTS wanted to address the question of the continuation of the clause in the event that PGW was sold to or transferred into an investor owned utility. Accordingly, it was agreed that if PGW is purchased by, or otherwise transferred to an investor owned utility or should become an investor owned utility, PGW agrees that such successor entity may no longer utilize the WNA Clause unless the Commission upon petition by the purchasing IOU in the transfer

application proceeding or otherwise authorizes the establishment of a WNA for the successor entity.

**V. PGW CONCLUSIONS REGARDING THE WNA**

While PGW continues to struggle under the weight of a variety of systemic (i.e. historically high natural gas prices) and idiosyncratic (high uncollectibles and low but improving cash receipts percentages) PGW's financial health would be far worse without the WNA Clause. There is no question that it can and must continue. PGW intends to continue the clause to obtain the needed benefits for the Company, its employees and, most importantly, its customers.

# Attachment B

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PA PUBLIC UTILITY COMMISSION  
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**BEFORE THE  
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

PENNSYLVANIA PUBLIC UTILITY  
COMMISSION

v.

PHILADELPHIA GAS WORKS

Docket No. R-00017034

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**JOINT PETITION FOR SETTLEMENT OF  
PHILADELPHIA GAS WORKS'  
BASE RATE PROCEEDING**

**TO ADMINISTRATION LAW JUDGE CYNTHIA WILLIAMS FORDHAM:**

**I. INTRODUCTION**

Philadelphia Gas Works ("PGW"), the Commission's Office of Trial Staff ("OTS"), the Office of Consumer Advocate ("OCA"), the Office of Small Business Advocate ("OSBA"), and the Philadelphia Industrial and Commercial Gas Users Group ("PICGUG") (collectively "the Joint Petitioners"),<sup>1</sup> hereby submit this Joint Petition for Settlement of Philadelphia Gas Works' Base Rate Proceeding as captioned above and respectfully request the following:

1. That Administrative Law Judge ("ALJ") Cynthia Williams Fordham recommend and the Commission approve this Settlement and all of its terms and conditions.<sup>2</sup>

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<sup>1</sup> The Consumers Education and Protective Association ("CEPA"), the Association of Community Organizations for Reform Now ("ACORN"), the Tenants Action Group ("TAG") and Action Alliance of Senior Citizens of Greater Philadelphia ("Action Alliance") (collectively "CEPA, et al."), who have participated jointly in this proceeding, the Service Employees International Union, Local 686, and PECO Energy Company are not participating in this Settlement, but have reviewed the Settlement and have informed the Joint Petitioners that they do not oppose the Settlement. Attached as Appendices "A" and "B," respectively, are letters of non-opposition executed by CEPA, et al, and the Service Employees International Union, Local 686.

<sup>2</sup> Attached hereto as Appendix "C" are Statements in Support submitted by OTS, OCA and PGW.

1. Base Rates. PGW shall be permitted an increase in rates equal to its existing \$36 million extraordinary rate award placed into effect in accordance with the PUC's Extraordinary Rate Order (entered April 12, 2002) on April 16, 2002.

2. The \$36 million settlement award is the result of a compromise and does not reflect or constitute the recovery of any individual expense claim or revenue assumption contained in PGW's pro forma test year filing.

3. PGW is specifically permitted to request recovery of all of the incremental costs for meter change out, gas leak survey, and safety training in its restructuring proceeding. The Joint Petitioners retain the right to argue that these costs are not incremental or that rates in effect are sufficient to cover these costs. The Joint Petitioners will not argue that these costs were specifically included in the \$36 million awarded pursuant to this Settlement or that these costs are not restructuring costs.

4. Rate Structure. The existing distribution of the extraordinary rate increase approved by the Commission in its April 12, 2002, Order will remain in effect.

5. Weather Normalization Adjustment Clause. In consideration of the agreements in this Settlement, PGW will be permitted to implement its proposed Weather Normalization Adjustment Clause (WNA) as soon as systems modifications are available.

(a) PGW will hold workshops in which all interested parties can participate where PGW will provide detailed information about systems modifications and where implementation procedures and consumer education plans will be developed. The final product of the workshop will be submitted to the Commission for review and approval. Any issues that cannot be resolved in the workshop will be submitted to the Commission for disposition.

Notwithstanding the above, the parties agree that PGW will be permitted to implement the WNA

for the 2002-03 winter heating season if systems modifications are available. Absent completion of the workshop and Commission approval by August 15, 2002, PGW will be permitted to implement the WNA as proposed with an effective date no sooner than October 1, 2002 and no later than December 1, 2002. Any subsequent changes required by the Commission will be implemented as soon as practicable.

(b) PGW will provide all consumer education materials and information and billing formats to the OCA, OTS, OSBA, all other interested parties, and the appropriate Commission staff for review and comment. Materials should be provided no less than two weeks before the Company anticipates that the materials must be in final form.

(c) The WNA will be put in place for an initial three-year pilot period. At the conclusion of the three year period, the Company will conduct a review of the costs and benefits of the WNA. A determination will be made at the end of the review as to whether the WNA will continue, continue with modifications, or be eliminated.

(d) PGW and the interested parties to the workshops will address tariff issues regarding the treatment of customers whose billing cycle falls outside of the October 1 to May 31 time frame as well the base load calculation for new customers.

6. Short Term Debt Paydowns. PGW will project the amount of annual short term debt pay down (commercial paper ) that the agreed to revenue requirement will permit, will provide the basis for its projections, and will agree to meet those projections or explain why it cannot in a yearly report to the Joint Petitioners.

7. Withdrawal of Appeals. PGW will limit its appeal of the Commission's October 4, 2001 and December 6, 2001 Orders to the rate structure issue of PGW being required by the Commission to allocate a portion of its rate award to the municipal rate class, MUN/MS.

# Attachment C

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**WEATHER NORMALIZATION ADJUSTMENT CLAUSE**Provision For Adjustment

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

Computation of Weather Normalization Adjustment

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

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

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

Definitions

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

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

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

DC – Delivery Charge.

NHDD – normal heating degree days for any given calendar day within a month are based on the thirty year average for the given calendar day based on the thirty year period ended August 31, 2001. The NHDD provided for in the formula are the total number of NHDD for the billing cycle. The degree day data is provided by the National Weather Service and measured at the Philadelphia International Airport.

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

Operation of Weather Normalization Adjustment

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

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

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

- 1) Normal HDD are calculated for each day of the fiscal year based upon the thirty year average for the thirty year period ended August 31, 2001.
- 2) At the start of the fiscal year, an average daily base load (non-heating) usage is calculated for each individual customer based upon actual base load usage.
- 3) The average daily base load (non-heating) amount is multiplied by the number of days in the billing cycle.
- 4) The total billing cycle base load amount is subtracted from the actual cycle usage of the customer in order to derive the usage applicable to heating.
- 5) The WNA factor is multiplied times the heating usage in order to derive the normalized heating usage.
  - a) The WNA factor is calculated by first adjusting the Normal HDD (NHDD) for the billing cycle by the deadband percentage (1 %). The deadband percentage is multiplied by the NHDD and then added to NHDD for the billing period when the weather is colder than normal (i.e., AHDD > NHDD) or subtracted from NHDD for the billing period when the weather is warmer than normal (i.e., AHDD < NHDD).
  - b) The adjusted NHDD are then divided by the AHDD.
- 6) The actual heating usage is subtracted from the normalized heating usage and then multiplied by the delivery charge. The result is a surcharge or credit.

#### Reporting Requirements

The Company will file all Weather Normalization Adjustments with the Commission on an annual basis.

PGW Exhibit DA-3

# **Philadelphia Gas Works**



## **Weather Normalization Adjustment Report to the Pennsylvania Public Utility Commission**

**Docket No. P-2022-3033477**

**August 12, 2022**

# **Philadelphia Gas Works**

## **Weather Normalization Adjustment Report to the Pennsylvania Public Utility Commission**

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## I. Introduction

PGW's Tariffed Weather Normalization Adjustment ("WNA") is a charge or credit applied to a customer's bill that adjusts for warmer or colder than normal weather during a billing cycle.<sup>1</sup> As a general summary, if the weather is warmer than normal, the WNA is a charge on the bill. When the weather is colder than normal, the WNA is a credit on the bill. There is no WNA charge or credit on a customer's bill if the weather is within 1.0% warmer or colder than normal. The WNA is applied to customer usage from October 1 through May 31. It has been instrumental in helping PGW to become a financially stable and strong company, with weather related charges to customers that were designed to be fair and reasonable.

An anomaly occurred with the WNA related to mid to late May 2022 weather, which produced unusually large charges to some customers. PGW determined that PGW's customers should not bear these unprecedented and unusually large charges, and therefore, PGW filed a Petition for Emergency Order on June 30, 2022, at Docket No. P-2022-3033477 ("PGW Petition for Emergency Order") seeking Commission approval to immediately revise its Tariff to reverse the WNA charges that were applied to May 2022 usage billings.

The Commission issued an Emergency Order on July 1, 2022, authorizing PGW to implement the proposed Tariff revision and also directed that PGW submit a report of its findings to date regarding the WNA within 30 days. This Order was ratified on July 14, 2022 ("Ratification Order").

On August 2, 2022, in response to the issues discussed above, PGW filed a Tariff Supplement and Petition for Approval on Less Than Statutory Notice ("PGW WNA Control Request Petition"). PGW proposed addition to its WNA to cap the WNA at 25 percent of the total of the Customer Charge, the Distribution Charge (including the Distribution System Improvement Charge), and if applicable, the Gas Adjustment Charge (including the Interruptible Revenue Credit) (collectively herein, "Bill Charge").

Consistent with the Ratification Order, this report provides PGW's WNA investigation results. The Ratification Order required that PGW report on its investigation of "the WNA formula, the inputs, and current information about weather trends affecting May."<sup>2</sup>

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<sup>1</sup> See Philadelphia Gas Works' Gas Service Tariff – Pa P.U.C. No. 2, Page Nos. 149-150.

<sup>2</sup> Ratification Order at 2, entered July 14, 2022, in Docket No. P-2022-3033477.

## **II. Purpose of the WNA**

Utility base rates are established on a “weather normalized” basis, such that rates are set to allow the utility to generate revenues at levels determined to be reasonable assuming that sales volumes are at the levels the utility would experience if the weather were at “normal” levels.

When a year is colder or warmer than some determined “normal” level, the utility typically bills more or less than the weather normalized amount, all other things being equal. One way in which to balance out the effects of “unusual” weather (and permit the utility to realize revenue levels that are consistent with that which the Commission determined was “reasonable” in its last rate case) is by utilizing a WNA mechanism. For a cash flow regulated utility such as PGW, a WNA assists the company in protecting its authorized level of liquidity and reducing the potential for emergency rate relief in an extremely warmer than normal scenario. Under PGW’s cash flow method of ratemaking, ratepayers provide revenues to cover the entire costs of service – but only the cost of service. Any revenue shortfalls or windfalls ultimately inure to the ratepayers. A WNA can minimize the degree to which such weather-related shortfalls or windfalls occur.

For PGW, a WNA provides several benefits that are not limited to those below:

- Stabilizes cash flow from year-to-year
- Reduces the need for short-term borrowing from year-to-year
- Positively affects PGW’s-credit rating, reducing cost of borrowing
- Reduces the need for base rate proceedings to recover revenue shortfalls related to weather

As a result, the WNA reduces the incremental need for short-term financing and rate case proceedings specific to revenue shortfalls due to unusual weather and contributes to PGW’s currently positive bond credit rating.<sup>3</sup>

## **III. Investigative Process**

This report provides PGW’s investigation results as required by the Order. Data was used going back to Fiscal Year 2019.

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<sup>3</sup> The rating agencies have viewed PGW’s WNA favorably, describing it as a key to the utility’s financial stability. See Moody’s Investor Service Credit Opinion (June 10, 2019) at 4; S&P Global, Philadelphia; Gas; Joint Criteria (May 8, 2019) at 3-4; Fitch Rating Outlook (July 5, 2018) at 1. These rating agency reports are part of the record in PGW’s last rate case (R-2020-3017206, Exh. JFG-3 ).

Below, the WNA formula and its inputs are reviewed, and this report examines the inputs that affected the May WNA charges. Additionally, weather trends are analyzed against historical data.

#### IV. WNA Formula

##### Formula

As defined in the Tariff, PGW's WNA formula is as follows:

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

$$\text{whereas HL} = \text{TU} - (\text{BL} * \text{BC})$$

##### Normal Weather (NHDD)

For PGW's WNA, normal weather is derived from a 20-year average of Normal Heating Degree Days ("NHDD"), pursuant to PUC Order dated November 8, 2017.<sup>4</sup> Actual Heating Degree Days are recorded daily from the National Oceanic and Atmospheric Administration (NOAA). Heating Degree Days are calculated by subtracting the daily average daily temperature from 65 degrees. If the average temperature is greater than 65 degrees, then there are 0 heating degree days.

For example, if the High Temperature of the day is 60 degrees and the Low Temperature is 40 degrees, then there are 15 heating degree days.

$$60 + 40 / 2 = 50 \text{ degrees; } 65 \text{ minus } 50 = 15 \text{ heating degree days.}$$

Of note, consistent with the PUC Order in the 2017 base rate case and PGW's Tariff, PGW submits annual Weather Normalization Adjustment Reports at that docket and serves the parties to the rate case. This report shows the AHDD and the Total WNA Charge (Credit), this information is transparent to the Commission and the parties. The most recent report for Fiscal Year 2021 was filed on January 4, 2022.

##### WNA Tariff Formula Inputs

- TU – total usage ("TU") for the Customer-specific billing cycle, measured in Mcf.

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<sup>4</sup> Opinion and Order, ¶ 3, entered November 8, 2017, in Docket No. R-2017-2586783.



- BL – base load (“BL”) Mcf is the Mcf per Customer used per day for non-heating purposes. BL is determined separately for each individual Customer and is revised annually based on non-heating month usage. BL represents the gas usage per day for non-heating purposes. If an individual Customer’s BL is not available, the BL for the related customer class is applied.
- BC – billing cycle (“BC”) is the actual number of days shown on the bill that the Customer receives for service.
- HL – normalized amount of gas used for heating purposes (“HL”). HL is the Customer’s TU minus the normal gas usage for non-heating purposes derived by multiplying BL and BC.
- DC – delivery charge in \$/Mcf (“DC”).
- NHDD – normal heating degree days (“NHDD”) for any given calendar day within a month are based on the normal weather determination applied in PGW’s most recent base rate case, currently twenty years, as approved at Docket No. R-2017-2586783. The NHDD provided for in the formula are the total number of NHDD for the BC. The degree day data is provided by the National Weather Service and measured at the Philadelphia International Airport.
- AHDD – actual experienced heating degree days (“AHDD”) for the billing cycle. The degree day data is provided by the National Weather Service and measured at the Philadelphia International Airport.
- Dead-band Percentage – Set as 1%, this represents the margin whereby the heating degree days vary and there would be no WNA. When the weather is colder than normal, the deadband is added to NHDD. And when the weather is warmer than normal, the dead-band is subtracted from NHDD.

### **WNA Calculation Explanation and Examples**

- The BL is multiplied by the number of days in the BC to calculate the normal gas usage for non-heating purposes.
- The non-heating gas usage calculated above, BL, is subtracted from TU to derive the normalized amount of gas used for HL.
- NHDD are divided by AHDD to derive how much the weather has varied from the normal weather.
- The normalized amount of gas used for heating purposes, HL, is multiplied by the ratio of NHDD to AHDD to calculate the weather normalized gas usage.
- HL is then subtracted from this to derive the difference between actual and normalized gas usage.

- This amount is then multiplied by the rate case DC to calculate the WNA.

### **Example Calculation #1**

Units in these examples are in Ccf as opposed to Mcf to align with actual customer bill presentation.

Assume customer has:

- i) Total Usage (TU) of 21 Ccf.
- ii) Base Load (BL) of 0.54 Ccf/day
- iii) Billing Cycle (BC) of 30 days
- iv) Bill Period from 5/11/2022 through 6/10/2022
- v) Normal Heating Degree Days (NHDD) of 47
- vi) Actual Heating Degree Days (AHDD) of 1
- vii) Delivery Charge (DC) of \$0.72955/Ccf

1. The Customer's non-heating gas usage (HL) is calculated by subtracting the BL of 0.54 Ccf/day times the BC of 30 days, from the TU of 21 Ccf.

$$HL = TU - (BL * BC) = 21 \text{ Ccf} - (0.54 \text{ Ccf/day} * 30 \text{ days}) = 21 \text{ Ccf} - 16.2 \text{ Ccf} = 4.8 \text{ Ccf}$$

2. The variation in weather is calculated by dividing NHDD of 47 by AHDD of 1 with a margin, or dead band, of 1%. This dead band value gives a margin of +/- 1% where if AHDD and NHDD differ by any less than that, there is no WNA charge/credit.

$$\frac{NHDD \pm (NHDD * 1\%)}{AHDD} = \frac{47 - (47 * 1\%)}{1} = \frac{47 - 0.47}{1} = \frac{46.53}{1} = 46.53$$

3. HL is then multiplied by this 46.53 to derive the normalized gas usage.

$$(4.8 * 46.53) = 223.344 \text{ Ccf}$$

4. HL is then subtracted from the normalized gas usage to derive the adjustment for weather normalization.

$$223.344 - 4.8 \text{ Ccf} = 218.544 \text{ Ccf}$$

- This difference (218.544) is then multiplied by the DC of \$0.72955/Ccf and prorated for 20 WNA-applicable days of 5/11/2022 through 5/31/2022 to provide WNA charge of approximately \$106.

$$218.544 \text{ Ccf} * \$0.72955/\text{Ccf} * 20 \text{ days} / 30 \text{ days} = \mathbf{\$106.29}$$

### **Example Calculation #2**

If all of the parameters above are held constant with the exception of AHDD changing from 1 to 40 (denominator in the WNA formula), then the WNA would have decreased from a charge of \$106.29 to \$0.33.

- As calculated above, HL = 4.8 Ccf
- The variation in weather is calculated by dividing NHDD of 47 by AHDD of 40 with the dead band, of 1%.

$$\frac{\text{NHDD} \pm (\text{NHDD} * 1\%)}{\text{AHDD}} = \frac{47 - (40 * 1\%)}{40} = \frac{47 - 0.47}{40} = \frac{46.53}{40} = 1.16325$$

- HL is then multiplied by this 1.16325 to derive the normalized gas usage.

$$(4.8 * 1.16325) = 5.5836 \text{ Ccf}$$

- HL is then subtracted from the normalized gas usage to derive the adjustment for weather normalization.

$$5.5836 \text{ Ccf} - 4.8 \text{ Ccf} = 0.7836 \text{ Ccf}$$

- This difference (0.7836 Ccf) is then multiplied by the DC of \$0.72955/Ccf and prorated for 20 WNA-applicable days of 5/11/2022 through 5/31/2022 to provide the WNA charge of approximately \$0.38.

$$0.7836 \text{ Ccf} * \$0.72955/\text{Ccf} * 20 \text{ days} / 30 \text{ days} = \mathbf{\$0.38}$$

### **Example Calculation #3**

Please see the below colder month scenario where a customer received a credit for the WNA.

Assume customer has:

- i) Total Usage (TU) of 240 Ccf.
- ii) Base Load (BL) of 0.34 Ccf/day
- iii) Billing Cycle (BC) of 29 days
- iv) Bill Period from 4/15/2020 through 5/14/2020
- v) Normal Heating Degree Days (NHDD) of 182
- vi) Actual Heating Degree Days (AHDD) of 354
- vii) Delivery Charge (DC) of \$0.66967/Ccf

1. The Customer's non-heating gas usage (HL) is calculated by subtracting the BL of 0.34 Ccf/day times the BC of 29 days, from the TU of 240 Ccf.

$$HL = TU - (BL * BC) = 240 \text{ Ccf} - (0.34 \text{ Ccf/day} * 29 \text{ days}) = 240 \text{ Ccf} - 9.86 \text{ Ccf} = 230.14 \text{ Ccf}$$

2. The variation in weather is calculated by dividing NHDD of 182 by AHDD of 354 with a margin, or dead band, of 1%. This dead band value gives a margin of +/- 1% where if AHDD and NHDD differ by any less than that, there is no WNA charge/credit. Because weather was colder than normal, the dead band is subtracted from NHDD.

$$\frac{NHDD \pm (NHDD * 1\%)}{AHDD} = \frac{182 + (182 * 1\%)}{354} = \frac{182 + 1.82}{354} = \frac{183.82}{354} = 0.519266$$

3. HL is then multiplied by this 0.519266 to derive the normalized gas usage.

$$(230.14 * 0.519266) = 119.5038 \text{ Ccf}$$

4. HL is then subtracted from the normalized gas usage to derive the adjustment for weather normalization.

$$119.5038 - 230.14 \text{ Ccf} = -110.636229 \text{ Ccf}$$

5. This difference (-110.636229) is then multiplied by the DC of \$0.66967/Ccf to provide the WNA credit of approximately \$74.09. There is no proration because the billing cycle fell completely within the WNA period. In the below result, the customer receives a \$74.09 credit on their bill.

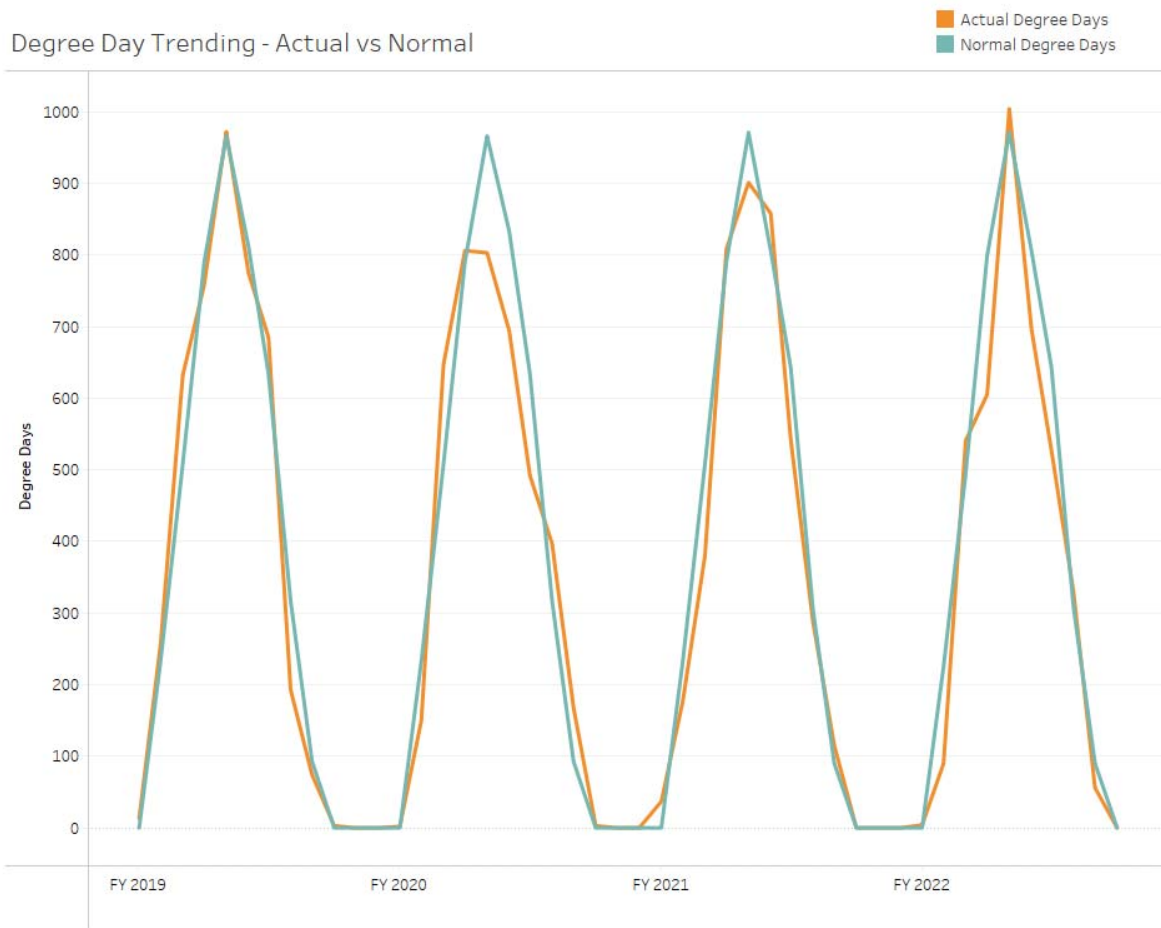
$$-110.636229 \text{ Ccf} * \$0.66967/\text{Ccf} = \mathbf{\$(74.09)}$$

## V. Fiscal Year and May Weather Trends

The purpose of this section is to show recent weather experience, and the specific variation that occurred in normal May weather versus May 2022 mid to late month weather.

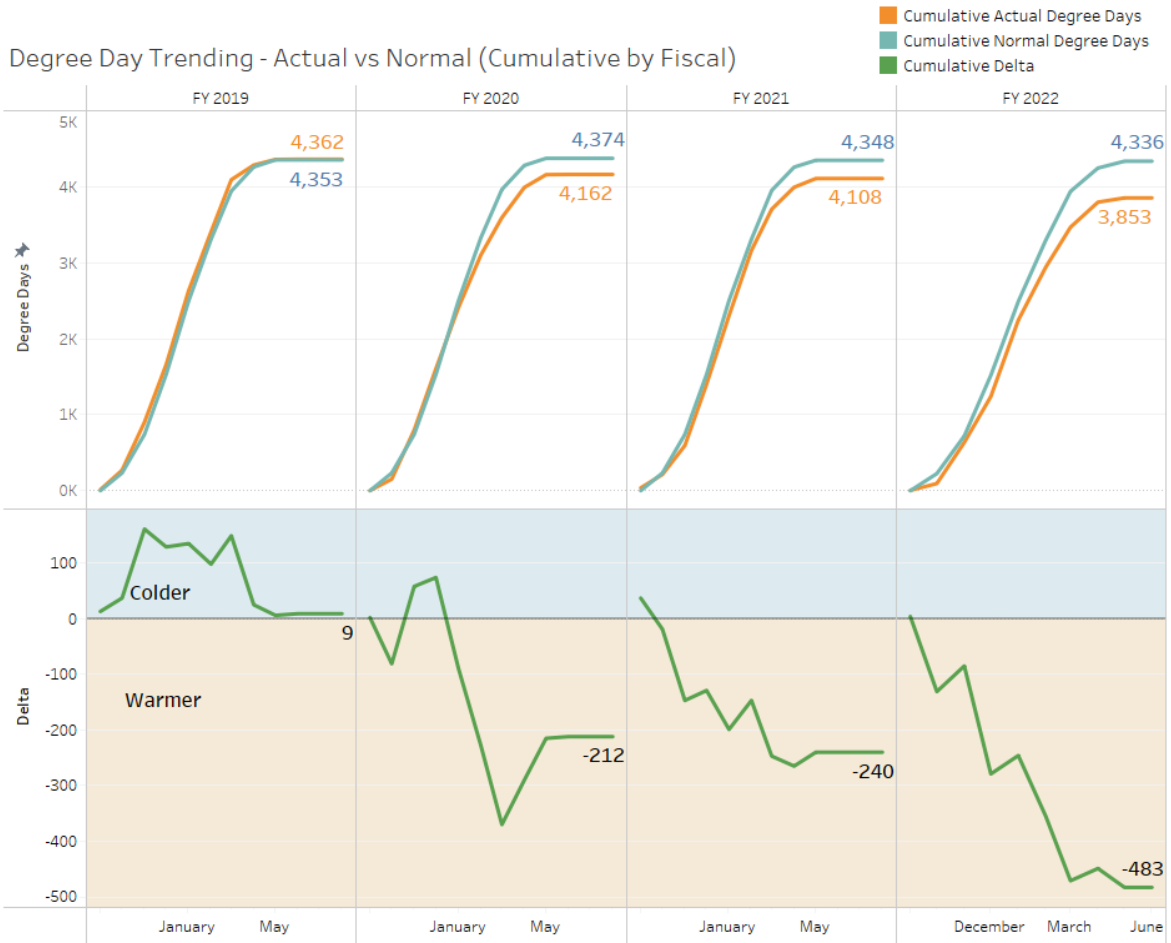
Below, Table 1 shows the monthly AHDD superimposed onto the NHDD over 4 fiscal years. In Table 1, one can see a higher heating degree day number in the colder season months as opposed to the warmer season months. When the two curves deviate from one another, this represents a difference in the AHDD from the NHDD.

**Table 1. Monthly Degree Day Trending – Actual vs. Normal Heating Degree Days**



Below, Table 2 shows the cumulative heating degree days by fiscal year. Comparing Fiscal Year 2019 from 2022 (thus far), the cumulative AHDD decreased from 4,362 to 3,853.

**Table 2. Cumulative Degree Day Trending – Actual vs. Normal Heating Degree Days**



Below Table 3 shows the May AHDD and NHDD used in the Company’s May 2022 WNA calculations; it shows the May 2021 AHDD and NHDD for comparison. In May 2022, the AHDD dropped dramatically mid-month compared to NHDD. After May 11<sup>th</sup>, 2022, there was 1 AHDD in bills whereas NHDD in bills for same period was 47 days. In comparison, FY21 had 55 AHDD for that same period.

**Table 3. Historical May Heating Degree Days**

May Day	NHDD	AHDD	
		FY 2021	FY 2022
1	4	9	6
2	3	0	0
3	5	0	1
4	5	0	5
5	5	0	0
6	5	7	9
7	4	6	15
8	3	11	13
9	3	13	4
10	3	7	1
11	3	7	1
12	3	7	0
13	5	5	0
14	4	2	0
15	2	1	0
16	2	3	0
17	3	1	0
18	4	0	0
19	4	0	0
20	3	0	0
21	4	0	0
22	3	0	0
23	2	0	0
24	1	0	0
25	2	0	0
26	1	0	1
27	1	0	0
28	1	4	0
29	1	14	0
30	1	15	0
31	0	3	0
<b>Total</b>	<b>90</b>	<b>115</b>	<b>56</b>

**VI. May 2022 AHDD & Residential Customer Impact**

As shown above, a warm weather pattern occurred in mid to late May 2022 that resulted in large WNA charges for many customers.

These increased charges were due to mid to late May warm weather’s percent variance of NHDD versus AHDD, as detailed below. For a number of customers, their bill usage period variance of NHDD versus AHDD resulted in a large WNA charge. Below, Table 4 details 7 billing periods’ NHDD, AHDD, total residential WNA charges and average residential service agreement WNA charge.

**Table 4. May 2022 Residential Customer Impact by HDD Period**

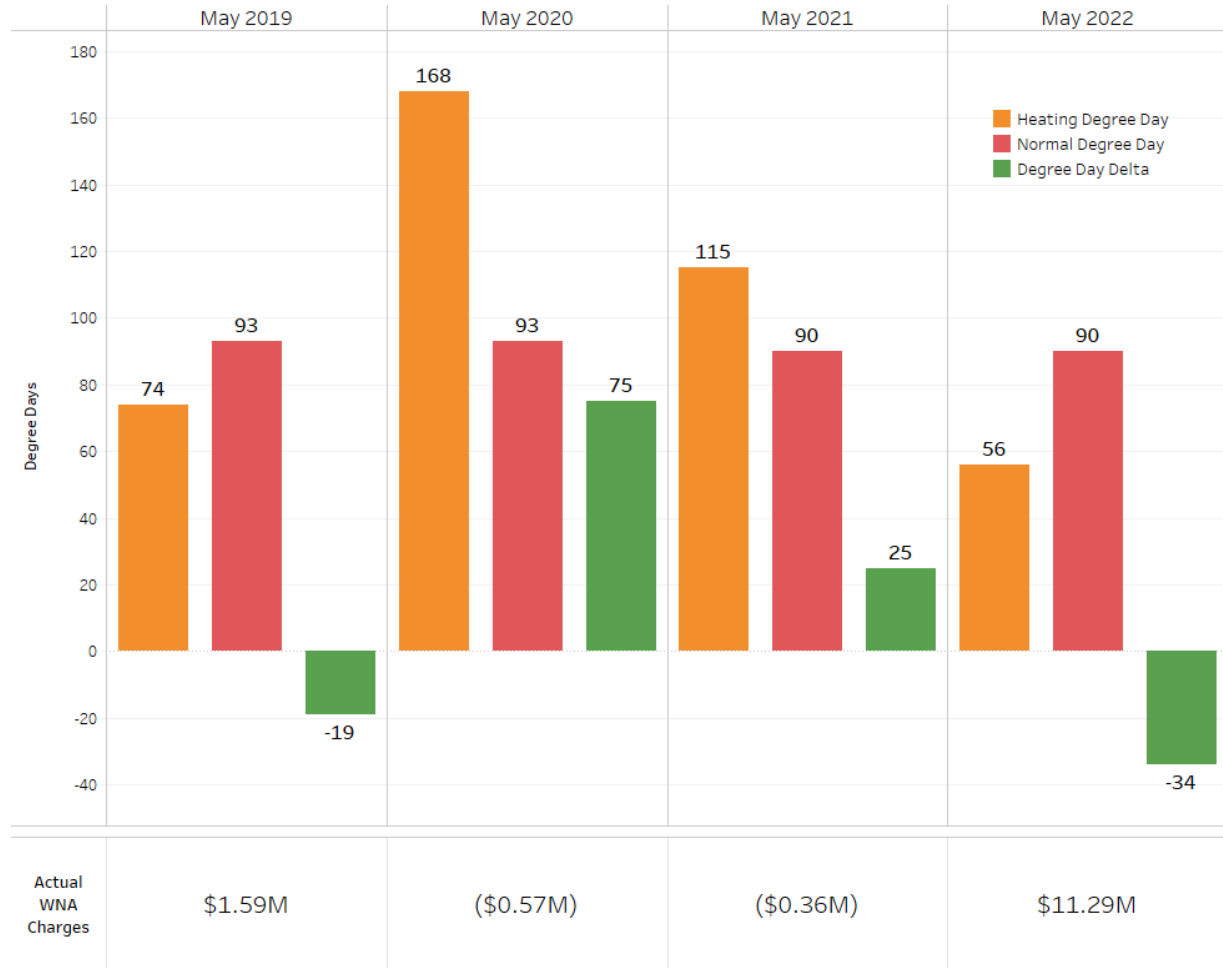
<b>Heating Degree Day Period</b>	<b>NHDD</b>	<b>AHDD</b>	<b>Total WNA Charges</b>	<b>Average WNA Charge</b>
5/6/22 – 6/6/22	68	44	\$53,386.72	\$2.19
5/7/22 – 6/7/22	63	35	\$83,765.64	\$3.95
<b>5/10/22 – 6/8/22</b>	<b>53</b>	<b>3</b>	<b>\$860,550.81</b>	<b>\$50.05</b>
<b>5/11/22 – 6/9/22</b>	<b>50</b>	<b>2</b>	<b>\$1,020,933.48</b>	<b>\$53.86</b>
<b>5/12/22 – 6/10/22</b>	<b>47</b>	<b>1</b>	<b>\$1,924,011.72</b>	<b>\$87.28</b>
5/24/22 – 6/22/22	8	1	\$102,765.92	\$4.71
5/25/22 – 6/23/22	7	1	\$80,589.03	\$3.38

Bolded in Table 4 above are three usage periods where the AHDD denominator was very low and varied greatly from the NHDD, resulting in large WNA charges. In the other examples provided in Table 4 above where NHDD and AHDD were more aligned, the WNA charges were significantly lower.

Below Table 5 shows historical May AHDD compared to NHDD, and the WNA charges applicable to that period. May 2022 was an unusually warm month that resulted in AHDD of 56 compared to NHDD of 90. The variance was particularly strong in mid to late May, as shown in Table 4 above.



**Table 5. Historical May Heating Degree Day and WNA Chart<sup>5</sup>**



**VII. Actions PGW Has Taken to Address the May 2022 WNA Anomaly**

On June 30, 2022, PGW filed a Petition for Emergency Order and proposed tariff revision to exclude May 2022 usage from the WNA calculation to allow PGW to fully refund all WNA charges that were billed for May usage. As requested by PGW, any customers who received a WNA credit for May usage retained the credit.

More recently, on August 2, 2022, PGW filed a Tariff Supplement and Petition for Approval on Less Than Statutory Notice in which PGW proposed a control to cap WNA credits and charges at 25 percent of the total Bill Charge, to ensure that WNA amounts will not have an unusually

<sup>5</sup> The stated \$11.29 million is based on data evaluated for this report for May 2022, and it differs from the approximately \$12.4 million stated in the Emergency Petition. It was noted in the Emergency Petition that \$12.4 million was an estimate.

adverse effect on PGW’s customers. This request also sought to provide continued financial stability for PGW such that its financial condition not diverge significantly from the current expectations of PGW’s bondholders or rating agencies. Maintaining PGW’s financial integrity and current bond rating keeps financial costs low, which, in turn, benefits ratepayers.

The cap will work as follows. In Example #1 in Section IV WNA Formula herein, the customer would have been charged a WNA of \$106.29. With the introduction of a 25% cap on total Bill Charges, the customer would have been charged a WNA of \$9.24. The total Bill Charge in this Example were \$143.25. Excluding the WNA of \$106.29, total charges were \$36.96. The 25% cap would be \$9.24. Since the calculated WNA of \$106.29 exceeds the proposed 25% cap, the cap would result in a billed WNA of \$9.24.

$$\text{Adjusted WNA} = (\text{Total Bill Charge}) \times 25\% = (\$143.25 - \$106.29) \times 25\% = \$36.96 \times 25\% = \$9.24.$$

Likewise, in Example #3 in Section IV WNA Formula herein, the customer would have been credited a WNA of \$74.09. With the introduction of a 25% cap on total Bill Charge, the customer would have been credited \$56.55. The total Bill Charge in this Example were \$152.09. Excluding the WNA of \$(74.09), total charges were \$226.18. The 25% cap would be \$56.55. Since the calculated WNA of \$(74.09) exceeds the proposed 25% cap, the cap would result in a billed WNA credit of \$56.55.

$$\text{Adjusted WNA} = (\text{Total Bill Charge}) \times 25\% = (\$152.09 - (-\$74.09)) \times 25\% = \$226.18 \times 25\% = \$56.55.$$

Below, Table 6 illustrates the estimated impact on prior fiscal year WNA charges with the application of the 25% cap, along with the estimated average impact per customer service agreement for those affected by the 25% WNA Cap.

**Table 6. WNA Control**

Fiscal Year	(A) WNA Billings (Actual)	(B) Estimated WNA Billings (25% Cap)	(C) = (B) – (A) Estimated Dollar Impact (25% Cap)	Estimated Average Impact per Affected Customer SA with 25% Cap
FY 2019	\$1,592,512	\$(48,055)	\$(1,640,567)	\$(12.37)
FY 2020	\$10,339,901	\$10,439,654	\$99,752	\$3.48
FY 2021	\$11,668,061	\$11,631,071	\$(36,990)	\$(4.03)
FY 2022	\$34,373,495	\$24,103,688	\$(10, 269,668)	\$(54.16)

Numbers in parentheses represent a bill credit in the favor of the customer. FY 2022 numbers are through June 2022 billings and inclusive of approximately \$11.3 million in WNA charges related to the May 2022 usage month.<sup>6</sup>

### **VIII. Conclusion**

As experienced this past May 2022, mid to late month warm weather AHDD variance compared to NHDD resulted in large WNA charges. In this investigative review, PGW did not identify a misapplication of or error in applying the long-standing WNA formula. In order to prevent a reoccurrence of the May 2022 experience, PGW has proposed a “cap” on the maximum charge or credit that can be imposed by the WNA. PGW’s proposed 25% cap would protect customers from large WNA charges and also ensure that PGW retains protection from weather variations.

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<sup>6</sup> WNA billings herein are from data analysis of WNA charges from PGW’s billing system and vary from the totals reported in PGW’s Weather Normalization Adjustment (WNA) Annual Reports. Adjustments to report totals may include, but are not limited to, out of period adjustments and timing of billings.

BEFORE THE  
PENNSYLVANIA PUBLIC UTILITY COMMISSION

REBUTTAL TESTIMONY OF

Denise Adamucci

ON BEHALF OF  
PHILADELPHIA GAS WORKS

Pa. Public Utility Commission v. Philadelphia Gas Works  
Docket Nos. R-2022-3034229 and P-2022-3034264

May 2, 2023

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1 **I. INTRODUCTION**

2 **Q. PLEASE STATE YOUR NAME AND CURRENT POSITION WITH PGW.**

3 A. My name is Denise Adamucci and I am the Senior Vice President for Customer &  
4 Regulatory Affairs at Philadelphia Gas Works (“PGW” or “Company”).

5 **Q. HAVE YOU PREVIOUSLY SUBMITTED TESTIMONY IN THIS**  
6 **PROCEEDING?**

7 A. Yes. I submitted direct testimony on behalf of PGW on February 23, 2023. In my direct  
8 testimony, I provided support for Supplement No. 152, which PGW filed on August 2,  
9 2022 proposing to implement a 25 percent cap on charges and credits stemming from  
10 application of the Weather Normalization Adjustment (“WNA”) clause in PGW’s Gas  
11 Service Tariff (“Cap Petition”). I also offered direct testimony to demonstrate the value  
12 of the WNA to PGW’s financial health and stability, which in turn benefits ratepayers.

13 **Q. WHAT IS THE PURPOSE OF YOUR REBUTTAL TESTIMONY?**

14 A. The purpose of my rebuttal testimony is to respond to the direct testimony of Ron Nelson  
15 submitted on behalf of the Office of Consumer Advocate (“OCA”)<sup>1</sup> and the direct  
16 testimony of Harry Geller submitted on behalf of the Coalition for Affordable Utility  
17 Services and Energy Efficiency in Pennsylvania (“CAUSE-PA”)<sup>2</sup> on April 13, 2023.

18 **Q. HAS THE DIRECT TESTIMONY SUBMITTED BY OCA AND CAUSE-PA**  
19 **ALTERED THE VIEWS SET FORTH IN YOUR DIRECT TESTIMONY?**

20 A. No. I continue to believe that the 25% cap on the WNA proposed by PGW on August 2,  
21 2022 had merit and should have been promptly implemented at that time to protect  
22 consumers from the potential for unusually large or unanticipated charges during the  
23 current heating season, which started on October 1, 2022. Further, my views have not

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<sup>1</sup> OCA Statement 1.

<sup>2</sup> CAUSE-PA Statement 1.

1 changed regarding the importance of the WNA to PGW's financial health and stability,  
2 which in turn benefits ratepayers. Particularly given PGW's responsibility to safely and  
3 adequately provide natural gas service to 500,000 customers, the Company needs the  
4 financial certainty of collecting Commission-authorized revenues even when Philadelphia  
5 experiences abnormally warmer weather. In view of how it fairly operates to both charge  
6 and credit customers depending on the weather, and its importance to maintaining PGW's  
7 financial stability, as well as the fact that several other natural gas distribution companies  
8 have similar clauses, it would be grossly unreasonable and unworkable to eliminate or  
9 suspend PGW's WNA as suggested by the opposing parties.

10 **II. WEATHER NORMALIZATION ADJUSTMENT CLAUSE**

11 **Q. WHAT IS A WNA CLAUSE?**

12 A. As I explained in my direct testimony, a WNA mechanism is one way in which to  
13 balance out the effects of "abnormal" weather by permitting the utility to true-up its  
14 revenues when experienced actual heating degree days ("AHDDs") in a given period vary  
15 from the determined level of normal heating degree days ("NHDDs") used to determine  
16 PGW's revenue requirement for base rate purposes. Accordingly, when experienced  
17 AHDDs exceed NHDDs, the utility adjusts its charges to provide a credit to customers,  
18 and when AHDDs are lower than NHDDs, customers' charges likewise reflect this  
19 difference. Importantly, the WNA design does not result in a utility being able to bill  
20 more revenues than have been authorized. Rather, the goal of the WNA design is to  
21 merely permit the utility to bill its Commission-authorized level of revenues and, for a  
22 cash flow regulated utility, the company's authorized level of cash and liquidity.

1 **Q. PLEASE DESCRIBE PGW'S WNA AND RECENT ACTIONS TAKEN**  
2 **CONCERNING THIS MECHANISM.**

3 A. For over 20 years, PGW's Commission-approved WNA has been applied to customer  
4 usage from October 1 through May 31 of each year. The Tariff pages addressing the  
5 WNA were provided as PGW Exhibit DA-1, which accompanied my direct testimony.  
6 Of note, on July 1, 2022, the Commission granted PGW's Petition for Emergency Order  
7 that was filed on June 30, 2022, and authorized PGW to remove May 2022 usage from  
8 the formula due to an anomaly with the extremely warm weather in the Philadelphia area  
9 that resulted in unusually large WNA charges in June 2022 bills. This Tariff change  
10 approved by the Commission resulted in a reversal of the charges imposed on June 2022  
11 bills and in refunds by PGW to customers in the amount of approximately \$12.6 million.

12 On April 27, 2023, PGW proactively filed a Petition for Emergency Order at  
13 Docket No. P-2023-3040233 proposing to exclude May 2023 usage from the WNA  
14 formula. In support of this request for emergency relief, PGW referred to the May 2022  
15 usage anomaly/June 2022 bills, as well as the findings of its consultant, Atrium  
16 Economics, LLC ("Atrium") regarding May weather. Atrium's Report studying PGW's  
17 WNA, which was submitted in the base rate proceeding at Docket No. R-2023-3037933,  
18 generally found that the WNA was working as designed, but that there were concerns  
19 about continuing its application in May, since temperatures for that month have become  
20 unusually divergent from the current normal. Given the 2022 occurrence, along with  
21 Atrium's observations concerning the month of May over the past 10 years, and the  
22 recommendation of Atrium and PGW in the base rate case to remove May from the  
23 WNA formula going forward, PGW sought to remove May 2023 from the formula this  
24 year. PGW made this request to eliminate any risk that a significant weather variation



1 would again result in unexpected charges to customers this year. On April 28, 2023, Vice  
 2 Chairman Stephen M. DeFrank signed an Emergency Order granting this request and  
 3 authorizing PGW to submit a Tariff removing May 2023 from the WNA formula.

4 Consistent with the regulations at 52 Pa. Code §3.3(a), PGW anticipates that the Vice  
 5 Chairman's Emergency Order will be considered by the Commission for ratification or  
 6 other action at the next scheduled Public Meeting on May 20, 2023.

**7 III. TESTIMONY RESPONDING TO OCA'S AND CAUSE-PA'S WITNESSES**

8 **Q. WHAT IS YOUR UNDERSTANDING OF THE OCA AND CAUSE-PA**  
 9 **TESTIMONY?**

10 A. As part of this proceeding, OCA is proposing to suspend the WNA unless and until  
 11 certain modifications are made to the clause to address concerns that it has raised, while  
 12 OCA intends to address the continuation of the WNA in the base rate proceeding.<sup>3</sup>  
 13 CAUSE-PA also advocates for elimination of the WNA in its entirety as part of this  
 14 proceeding.<sup>4</sup>

15 **(A) PGW's Position on OCA and CAUSE-PA Proposals**

16 **Q. PLEASE DESCRIBE PGW'S POSITION WITH RESPECT TO THESE**  
 17 **PROPOSALS.**

18 A. PGW has no interest in continuing litigation of the 25% cap on the WNA that is the basis  
 19 of this proceeding. Notably, this proceeding was initiated by PGW in August 2022 for  
 20 the limited, but important, purpose of protecting customers during the current heating  
 21 season of the recurrence of an anomaly such as occurred when May 2022 usage, as  
 22 reflected in June 2022 bills, resulted in unusually large charges from an application of the  
 23 WNA. Rather than have customers subjected to the potential risk that similar results

<sup>3</sup> OCA Statement 1 at 11-12, 20.

<sup>4</sup> CAUSE-PA Statement 1 at 14-15.

1 would occur during this heating season, PGW filed the Cap Petition. Unfortunately,  
2 OCA and CAUSE-PA immediately opposed the implementation of this consumer  
3 protection. As the proposed cap was rendered moot by the Commission's suspension of  
4 the filing for investigation, it did not go into effect to protect customers during the current  
5 heating season, and PGW has sought to terminate the proceeding via a Petition for Leave  
6 to Withdraw ("Withdrawal Petition") that is pending before the Commission. Indeed,  
7 because the opposition of OCA and CAUSE-PA made it impossible to have in place the  
8 protection that the Cap Petition would have afforded to customers this past season, PGW  
9 has continued to work to protect its customers. Specifically, PGW and sought emergency  
10 relief on April 27, 2023 to remove May 2023 from the WNA formula to protect  
11 customers from a potential recurrence of the May 2022 usage/June 2022 bills. I&E was  
12 the only party prior to the filing of the emergency request that provided its support for  
13 this consumer protection, in conjunction with terminating the WNA proceeding. Simply,  
14 the purpose of this proceeding, including the scope of the initial filing and the procedural  
15 schedule that was developed, were not designed to comprehensively review PGW's  
16 WNA. The sole issue in this case is whether the 25% cap should be implemented.

17 As to issues that have been raised by OCA and CAUSE-PA in this proceeding  
18 that go beyond PGW's initial 25% cap, PGW opposes those recommendations and  
19 believes that they are not appropriate for this proceeding. PGW's pending base rate case  
20 is the appropriate forum to conduct a comprehensive review of the WNA, where the  
21 impact of the WNA and any proposed modifications on PGW's revenues and its  
22 customers' rates can be considered. In that proceeding, all information needed to  
23 examine PGW's overall financial situation is readily available, and a determination can

1 be made based on record evidence as to whether the WNA should continue, and if so,  
2 whether or how it should be modified. Of note, the base rate case is being separately  
3 litigated at the same time – with a Commission order due less than two months after the  
4 effective date of the proposed Tariff accompanying the Cap Petition. The express  
5 purpose of the base rate case is to review PGW’s proposed rate increase to determine  
6 whether it is just and reasonable, and therefore warranted to enable PGW to continue  
7 providing safe and adequate natural gas utility service. A key part of that proceeding will  
8 be a determination of what a “normal” level of revenues should be for the Fully Projected  
9 Future Test Year (“FPFTY”). It is this “normal” level of revenues that will then be  
10 subsequently reconciled through the WNA. In the base rate case, PGW proposed to  
11 continue to use a twenty-year average of degree days to determine “normal” revenues. If  
12 there is a change in that “normal level,” as the OCA witness has suggested in his  
13 “alternative” recommendation in this case, that change has to occur both in PGW’s base  
14 rate proceeding and in the WNA calculation. The only proceeding in which both changes  
15 can be made is the base rate case. Therefore, a full review of the WNA provision in  
16 PGW’s Tariff can only take place in the base rate case, and its continuation or  
17 modifications unrelated to the 25% cap should not be entertained in this limited  
18 proceeding.

19 ***(B) General Observations about OCA and CAUSE-PA Witnesses’ Qualifications***

20 **Q. DO YOU HAVE ANY GENERAL OBSERVATIONS CONCERNING THE**  
21 **QUALIFICATIONS OF THE WITNESSES PRESENTED BY OCA AND CAUSE-**  
22 **PA?**

23 A. Yes. Based upon my review of their qualifications, it appears that neither of the  
24 witnesses has any experience in evaluating a WNA, or any other type of decoupling

1 mechanism, for a municipal utility.<sup>5</sup> While I respect their overall backgrounds, PGW is  
 2 in a unique situation as a municipal utility, which both witnesses have failed to  
 3 acknowledge in reviewing the WNA and offering recommendations. As a cash flow  
 4 municipal utility, PGW does not have shareholders and relies on its ratepayers for the  
 5 revenues needed to fund its natural gas operations. Of particular note, in the 2002 PGW  
 6 rate proceeding that led to implementation of the WNA, the witness for then Office of  
 7 Trial Staff (the predecessor of the Bureau of Investigation and Enforcement) agreed that a  
 8 WNA clause would be reasonable since PGW's rates are established using the cash flow  
 9 method of ratemaking.<sup>6</sup> Similarly, OCA's witness in the 2002 case described PGW as  
 10 being "unique" among NGDCs in Pennsylvania since it is a municipal utility and  
 11 operates on a cash flow basis according to statute with no source of equity financing in  
 12 the sense of a traditional investor-owned utility.<sup>7</sup>

13 ***(C) Shifting Risk from the Utility to the Customer***

14 **Q. PLEASE DESCRIBE THE FUNDAMENTAL PROBLEM THAT YOU HAVE**  
 15 **IDENTIFIED WITH THE TESTIMONY SUBMITTED BY OCA AND CAUSE-**  
 16 **PA.**

17 **A.** Both Witness Nelson for OCA and Witness Geller for CAUSE-PA have made  
 18 fundamental errors in their testimony by inappropriately referring to PGW's WNA as  
 19 involving a shifting of risk from the utility to consumers. For instance, Mr. Nelson  
 20 testifies that "[u]nder any form of decoupling mechanism, regulators must carefully  
 21 balance how risk shifts between utilities and ratepayers to ensure that ratepayers equally

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<sup>5</sup> OCA Statement 1 at 3-4, Schedule REN-1; OCA Response to PGW-I-2; CAUSE-PA Statement 1 at 1-2, Appendix A; CAUSE-PA Response to PGW-I-1.

<sup>6</sup> *Pa. Public Utility Commission v. Philadelphia Gas Works*, Docket No. R-00017034 (Order entered August 8, 2002, Ordering Paragraph No. 5) ("2002 Base Rate Case"), OTS St. 4 at 10 (Direct Testimony of Paul Metro).

<sup>7</sup> *2002 Base Rate Case*, OCA St. 3 at 3-4 (Direct Testimony of Thomas Catlin).

1 benefit.”<sup>8</sup> Mr. Nelson also indicates that one questionable assumption in a mechanism  
2 can shift excessive risk to ratepayers and may make the mechanism unreasonable.<sup>9</sup>  
3 Similarly, Mr. Geller states his concern about “shifting the financial risk of warming  
4 weather onto residential customers.”<sup>10</sup> He further suggests that the WNA has worked to  
5 the benefit of PGW and the detriment of customers.<sup>11</sup>

6 Their testimony demonstrates a fundamental misunderstanding of PGW’s WNA,  
7 which provides revenue neutrality and not increased profitability. As such, the WNA is  
8 not enabling PGW to recover more revenues than was authorized in the last base rate case  
9 by the Commission. Indeed, any reference to the shifting of risk willfully overlooks the  
10 reality that PGW is a collection of assets owned by the City of Philadelphia and provides  
11 public utility services as a city natural gas distribution operation<sup>12</sup> in the City of  
12 Philadelphia.<sup>13</sup> As a cash flow utility, PGW has no investors or shareholders and instead  
13 relies on revenues received from consumers to sustain its natural gas operations.  
14 Essentially, PGW’s ratepayers are its shareholders. This means that there is nowhere else  
15 to go for the funds that are needed to perform its functions on a daily basis as a natural  
16 gas public utility. Weather-related risks are either managed on the front end through a  
17 WNA or on the back end through rate increases, including emergency rate relief. As a  
18 result, the “shifting” of risk concept relied upon by Mr. Nelson and Mr. Geller is not  
19 applicable to PGW and should be wholly disregarded.

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8 OCA Statement 1 at 7.

9 OCA Statement 1 at 5.

10 CAUSE-PA Statement 1 at 3.

11 CAUSE-PA Statement 1 at 5.

12 66 Pa. C.S. § 102 (definitions).

13 66 Pa. C.S. § 2212.

1           The safe and adequate operation of a natural gas company for 500,000 customers  
2 is a critical statutory function performed by PGW that requires a supporting level of  
3 revenues as determined by the Commission. Once the Commission determines the  
4 revenues that are needed and authorizes their collection through rates imposed on  
5 customers (in a base rate case), it is imperative that PGW be given the opportunity to  
6 collect this level of revenues so that it can fulfill the obligations of ensuring that  
7 customers in Philadelphia continue to receive safe and adequate natural gas service.  
8 When the weather significantly varies from the normal levels that the Commission has  
9 used to calculate PGW's anticipated revenues and authorize a specific amount of rate  
10 relief, the WNA properly adjusts the charges imposed by PGW to produce the revenue  
11 levels determined by the Commission.

12           ***(D) Specific Responses to OCA's Witness***

13           **Q. WHAT DOES MR. NELSON SAY ABOUT THE ORIGIN OF PGW'S WNA?**

14           A. Mr. Nelson testifies that PGW's WNA has been in place since before the Company came  
15 under the Commission's jurisdiction, implying that this mechanism was  
16 "grandfathered."<sup>14</sup> That is not correct. PGW came under the Commission's jurisdiction  
17 in 2000 and the Commission originally authorized PGW's WNA in 2002, as a three-year  
18 pilot in a settlement of the 2002 base rate case.<sup>15</sup> Following that approval, the WNA was  
19 implemented on December 1, 2002. As explained in my direct testimony, prior to  
20 implementation of the WNA, PGW had experienced years in which warmer than normal  
21 weather severely reduced the Company's cash flow and debt service coverages, which  
22 negatively affected its bond rating and significantly threatened PGW's financial stability.

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<sup>14</sup> OCA Statement 1 at 7.

<sup>15</sup> 2002 Base Rate Case, Ordering Paragraph No. 5; PGW St. No. 1 at 5-6.

1 It was those experiences that led to the WNA being proposed and approved in the 2002  
2 base rate proceeding as a crucial requirement for PGW's financial health in the long term.  
3 Over the past 20 years, PGW's WNA formula has essentially remained the same except  
4 for the "normal" weather time period utilized in the formula.

5 **Q. WHAT IS OCA'S POSITION PROPOSAL REGARDING THE PROPOSED A**  
6 **25% CAP IN THIS PROCEEDING?**

7 A. Mr. Nelson raises two criticisms about PGW's proposed 25% cap, as follows: (1) it is  
8 inequitable that customers on different billing cycles faced much higher bills than others,  
9 despite experiencing the same weather anomaly; and (2) it is inappropriate that there is no  
10 consumer protection against such astronomical customer bill impacts.<sup>16</sup>

11 **Q. HOW DO YOU ADDRESS THESE CRITICISMS?**

12 A. At the outset, I note that neither of these criticisms is related to the proposed 25% cap,  
13 except from Mr. Nelson's standpoint that it is too high of a cap and that a 5% cap should  
14 be implemented, for which he provides no supporting data. Further, as previously  
15 explained, PGW presented the 25% cap through its Cap Petition on August 2, 2022 as a  
16 quick solution for the current heating season, which began on October 1, 2022. The  
17 proposal was intended to protect customers from variances of greater than 25% resulting  
18 from application of the WNA formula in the event that actual weather experienced in  
19 Philadelphia in any given month significantly varied from the normal weather. Although  
20 Mr. Nelson has characterized an alleged "increase" of 25% as "astronomical," he  
21 acknowledged in discovery that PGW's proposal would have offered a level of protection  
22 to consumers that currently does not exist.<sup>17</sup>

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<sup>16</sup> OCA Statement 1 at 12.

<sup>17</sup> OCA Statement 1 at 12; OCA's Response to PGW-I-8.

1           Notably, when OCA and CAUSE-PA opposed the 25% cap proposed by PGW as  
2 a consumer protection, and, as a result of that opposition, the Commission suspended it  
3 for investigation at its Public Meeting on September 15, 2022, the PGW proposal was  
4 rendered moot in that it was not implemented for the onset of the current heating season.  
5 As a result, PGW filed a Withdrawal Petition, in which it committed to either file a base  
6 rate case, which would address the WNA, or make a new, comprehensive WNA filing by  
7 March 1, 2023. Administrative Law Judge (“ALJ”) Marta Guhl denied the Withdrawal  
8 Petition by Interim Order issued on February 23, 2023, and this proceeding continues to  
9 be litigated despite the fact that PGW has now comprehensively addressed the WNA in  
10 its base rate case filed on February 27, 2023. In the base rate case, PGW has submitted a  
11 report from its expert, Atrium, which contains extensive data, observations, findings, and  
12 recommendations. Importantly, the base rate case proposes a level of normalized  
13 revenues that the WNA would reconcile on a going forward basis, and also thoroughly  
14 describes PGW’s financial situation, discussing the importance of stabilized cash flow,  
15 PGW’s credit rating, debt service coverage, and PGW’s access to credit as needed to  
16 support its operations as a natural gas utility for 500,000 customers. In that context, Mr.  
17 Nelson’s concerns about the WNA’s disparate effects on customers in different billing  
18 cycles can be effectively addressed. Given that the WNA has been charged on a bill  
19 cycle basis since its implementation over 20 years ago, Mr. Nelson’s concerns seem  
20 related to the original WNA formula and billing cycle approach, not the 25% cap  
21 proposed herein. Indeed, Mr. Nelson’s direct testimony acknowledges that these issues  
22 are in the base rate case and indicates that OCA will address in that proceeding whether



1 the WNA should continue, and if so, what modifications are needed.<sup>18</sup> Such duplication is  
2 a waste of Commission and PGW resources.

3 **Q. WHAT IS MR. NELSON’S RECOMMENDATION IN THIS PROCEEDING?**

4 A. He summarily recommends that “the Commission suspend the WNA until or unless PGW  
5 comes up with a rate formula that corrects the [alleged] documented failures, does not  
6 discriminate against similarly situated customers, and does not result in unreasonable rate  
7 shock.”<sup>19</sup> According to Mr. Nelson, “[t]he WNA, as currently allowed, even with the  
8 proposed 25% cap, cannot readily be considered a just and reasonable rate.”<sup>20</sup>

9 **Q. PLEASE RESPOND.**

10 A. Mr. Nelson has not presented sufficient evidence to support suspension of the WNA,  
11 which has been in place for over twenty years with minimal changes. Further, he has not  
12 pointed to any differences between PGW’s WNA and the WNAs of other natural gas  
13 distribution companies that have been approved by the Commission or are currently  
14 pending before the Commission. Importantly, the Commission has been supportive of  
15 WNAs, most recently approving such a mechanism in September 2022, when Chairman  
16 Chairman Gladys Brown Dutrieuille issued a statement noting that the “decoupling of  
17 uncontrollable weather from revenues should stabilize UGI’s cashflow, and in turn, allow  
18 UGI to focus on operational items within its control, namely infrastructure upgrades and  
19 repairs.”<sup>21</sup> In addition, OCA’s perfunctory proposal to suspend PGW’s WNA overlooks  
20 decades of the mechanism working largely as intended, for the important purpose of

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<sup>18</sup> OCA Statement 1 at 11.

<sup>19</sup> OCA Statement 1 at 20.

<sup>20</sup> *Id.*

<sup>21</sup> *Pa. Public Utility Commission v. UGI Utilities, Inc. – Gas Division*, Docket No. R-2021-3030218 (Order entered September 15, 2022; Brown Dutrieuille Statement).

1 ensuring that PGW collects the revenues that the Commission has determined in its base  
2 rate case to be necessary to sustain its safe and reliable operation as a natural gas utility.  
3 Particularly, in the absence of any specific recommendations for a rate formula that  
4 corrects the Mr. Nelson's perceived failures of the WNA, OCA has not presented a basis  
5 upon which PGW's WNA can be changed as part of this proceeding.

6 **Q. WHAT ARE MR. NELSON'S RECOMMENDATIONS FOR CHANGES TO THE**  
7 **WNA IN THE EVENT THAT THE COMMISSION DETERMINES THAT IT**  
8 **SHOULD CONTINUE?**

9 A. Mr. Nelson recommends that the Commission change the WNA adjustment from a  
10 monthly reconciliation period to an annual reconciliation period. Additionally, he  
11 recommends applying a 5% cap on WNA surcharges for under-recoveries, with any  
12 Company over-recovery being fully refunded. Finally, he recommends that NHDD  
13 averaging calculations use a 10-year weather average to better reflect climate trends that  
14 the WNA is designed to address, noting that the formula currently uses a 20-year  
15 average.<sup>22</sup>

16 **Q. PLEASE RESPOND.**

17 A. OCA's recommendation to change the WNA adjustment from a monthly to an annual  
18 reconciliation period would cause liquidity issues for PGW. Operating on a cash flow  
19 basis requires PGW to continually have sufficient cash on hand throughout the year to  
20 support the provision of safe and adequate natural gas service. A method that annually  
21 reconciles PGW's revenues to reflect variations in weather from the normal patterns  
22 would fail to recognize the ongoing need for cash to maintain these natural gas utility  
23 operations. Of note, a justification offered by Mr. Nelson in support of this

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<sup>22</sup> OCA Statement 1 at 20-21.

1 recommendation is that “[e]xtending the true-up period to an annual reconciliation which  
2 shift some customer risk to the utility and create a more equitable balance.”<sup>23</sup> Again, this  
3 testimony is fundamentally flawed when applied to a municipal cash flow utility since no  
4 shifting of risk can occur given the reality that the customers are effectively the  
5 shareholders of the utility and will ultimately bear the consequences of any “risk  
6 shifting.”

7 As to the suggestion for a 5% cap on the WNA, OCA has not presented data to  
8 support this level of cap. To the extent that a cap continues to be considered as part of  
9 the solution to protect consumers from unanticipated WNA charges caused by weather  
10 variations, it is important that it be sufficiently high to ensure that PGW collects the level  
11 of revenues that the Commission has determined are needed to support its operations. In  
12 addition, no justification exists to use a method for recovery, as suggested by Mr. Nelson,  
13 which is different than that used for refunds. As I have explained, the purpose of the  
14 WNA is not for PGW to collect more money than the Commission has authorized, but  
15 rather to ensure weather-sensitive revenue neutrality. Implementation of the WNA  
16 should result in PGW billing the revenues that have been determined by the Commission  
17 as necessary to provide safe and adequate operations as a natural gas utility – no more or  
18 no less.

19 With respect to Mr. Nelson’s recommendation that the NHDD averaging  
20 calculations use a 10-year weather average to better reflect climate trends that the WNA  
21 is designed to address, rather than the 20-year average currently used by the formula, I  
22 note that again, Mr. Nelson offers no statistical data in support of this proposal. The lack

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<sup>23</sup> OCA Statement 1 at 21.

1 of data is particularly noteworthy given the agreement by OCA and other parties in the  
2 2017 base rate proceeding to use 20-year average data, rather than the 30-year data that  
3 was then in use (and the 10-year average originally proposed therein by PGW).<sup>24</sup> Indeed,  
4 the consultants engaged by PGW to submit testimony in the current base rate case  
5 observed that the use of a 10-year average would have resulted in higher WNA increases  
6 than were experienced. I would further note that any change in the average data would  
7 have to be applied both to the WNA calculation *and* the determination of PGW's average  
8 FPFTY revenues, an issue that cannot be addressed in this proceeding.

9 **Q. ARE THERE OTHER PORTIONS OF OCA'S TESTIMONY THAT YOU WISH**  
10 **TO ADDRESS?**

11 A. Yes. Mr. Nelson characterizes rate stability as an "illusory benefit," testifying that it  
12 needs to be coupled with bill affordability for consumers.<sup>25</sup> I do not agree with this view  
13 since decoupling and affordability are two separate issues. While a revenue decoupling  
14 mechanism, such as PGW's WNA, is meant to provide the utility with the opportunity to  
15 recover Commission-approved revenues, the adjustment has nothing to do with the  
16 affordability of rates. Any efforts undertaken by the Commission to consider the  
17 affordability of PGW's rates are /or done so in the context of its determination of the  
18 overall revenue requirements in a rate case, and its review of customer assistance  
19 programs in a Universal Service and Energy Conservation Plan. Once the level of  
20 authorized revenues is determined by the Commission in a rate case, the WNA is  
21 designed to ensure that the utility – in this case, PGW – collects the authorized amount of  
22 revenues regardless of the actual weather that is experienced in its service territory.

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<sup>24</sup> *Pa. Public Utility Commission v. Philadelphia Gas Works*, Docket No. R-2017-25867833 (Order entered November 8, 2017, at pages 17-18 and Ordering Paragraph No. 3) ("*2017 Base Rate Case*").

<sup>25</sup> OCA Statement 1 at 7.

1 **Q. DOES MR. NELSON ADDRESS PGW'S REASONS FOR NEEDING THE WNA?**

2 A. Yes. Mr. Nelson refers to PGW's August 12, 2022 WNA Report filed with the  
3 Commission, which describes the WNA as stabilizing cash flow, reducing short-term  
4 borrowing needs and costs, and lowering the need for weather-related rate proceedings.<sup>26</sup>  
5 He further discusses my direct testimony indicating that prior to implementation of the  
6 WNA in 2002, abnormally warm weather negatively affected PGW's bond rating and  
7 created a consistent need to request additional rate relief to stave off financial crisis.<sup>27</sup> In  
8 this discussion, Mr. Nelson guesses that 20 years ago there were "potentially" other  
9 factors affecting PGW's liquidity challenges at that time other than weather variations.

10 **Q. HOW DO YOU RESPOND?**

11 A. Mr. Nelson's speculation as to potential other factors that may have existed when the  
12 WNA was first implemented is nothing but conjecture. He does not provide any support  
13 for this statement or suggest what other factors besides weather variations may have been  
14 affecting PGW's liquidity challenges. Regardless, it is not relevant here. The point of my  
15 direct testimony is that PGW had no mechanism available to address abnormal weather,  
16 short of submitting multiple weather-related rate cases, and that this structure negatively  
17 affected PGW's bond rating, as well as its cash on hand and its debt service ratio. That  
18 issue existed in 2002 when the WNA was approved by the Commission, and continues to  
19 be a concern today.

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<sup>26</sup> OCA Statement at 18.

<sup>27</sup> OCA Statement at 19.

1 **Q. DOES MR. NELSON ALSO REFER TO PGW'S NET INCOME AS A WAY OF**  
2 **OPPOSING THE WNA?**

3 A. Yes. Mr. Nelson points to the Company posting a net income of \$220 million between  
4 June 1, 2021 and May 31, 2022.

5 **Q. PLEASE RESPOND.**

6 A. In pointing to PGW's net income, Mr. Nelson has selected an arbitrary number and an  
7 arbitrary time period, without any context relating to the WNA's critical role in PGW's  
8 overall financial situation.<sup>28</sup> PGW did not "earn" \$220 million, but rather had that level  
9 of net revenues from operations, which were used to fund its operations and support other  
10 cash requirements as a natural gas utility. These include but are not limited to: \$18  
11 million City Payment, the internally generated funds ("IGF") needed by PGW to continue  
12 to meet its IGF goals to support capital investments, and to support working capital.  
13 What is important concerning the WNA and the revenues that it produces is the effect  
14 that it has on the number of days of cash on hand and the debt service ratio. For example,  
15 I have consulted with Joseph F. Golden, Jr., who is PGW's Executive Vice President and  
16 Acting Chief Financial Officer, regarding these metrics, who advises that if we use  
17 January 2021 through today, PGW has billed approximately \$60 million in WNA charges  
18 since the last rate case. Without this revenue, PGW's number of cash days on hand  
19 would be down from 16.9 days at the end of the FPFTY to *negative* 14.8 days. This  
20 would be a totally unacceptable financial result. In addition, in the pending base rate  
21 case, PGW witness Lover explains the significance of these factors on the cost of  
22 borrowing by PGW – a cost that is absorbed by its ratepayers – and its overall credit

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<sup>28</sup> PGW's "net income" is not even mentioned as a factor in determining a just and reasonable revenue requirement using the cash flow method of ratemaking, the method used to determine PGW's required revenues. 69 Pa. Code § 69.2703.

1 rating. It bears reiterating that the WNA does not improve or reduce these key metrics  
 2 compared to what the Commission determines are the reasonable levels in PGW's base  
 3 rate case; it simply permits PGW to realize the levels that have already been approved.

4 ***(E) Specific Responses to CAUSE-PA's Witness***

5 **Q. DOES MR. GELLER ERR WHEN DISCUSSING THE EFFECT OF THE WNA**  
 6 **ON CUSTOMERS WHO PARTICIPATE IN PGW'S CUSTOMER**  
 7 **RESPONSIBILITY PROGRAM ("CRP").**

8 A. Yes. Referring to the average income for a PGW CRP customer, Mr. Geller claims that  
 9 "these customers could pay 10% or more of their monthly income for the WNA charge  
 10 alone."<sup>29</sup> This statement is factually incorrect. CRP customers are unaffected by the  
 11 WNA because they pay PGW the lower of an affordable energy burden (as set by the  
 12 Commission) under a Percentage of Income Payment Plan ("PIPP") or their average bill.  
 13 The current Commission energy burdens for PGW's CRP customers are 4% and 6%.  
 14 These energy burdens do not change with rate changes or WNA charges.

15 **Q. WHAT IS MR. GELLER'S CRITICISM OF THE PROPOSED 25% CAP?**

16 A. Mr. Geller presents a calculation of a customer's WNA charge, under the proposed 25%  
 17 cap, showing that the customer with a total Bill Charge of \$36.96 would still face a  
 18 maximum WNA charge of \$9.24 in a particular month.<sup>30</sup> If unadjusted, WNA charges  
 19 exceeded the proposed cap.

20 **Q. PLEASE RESPOND.**

21 A. It is important to make a distinction between total "Bill Charges" and total "Delivery  
 22 Charges" since the WNA only imposes charges in connection with the delivery of natural  
 23 gas, not the cost of purchased gas. Essentially, Mr. Geller is complaining that the total

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<sup>29</sup> CAUSE-PA Statement 1 at 10.

<sup>30</sup> CAUSE-PA Statement 1 at 13-14.

1 “Delivery Charges” contain too many components. However, all the components in  
 2 PGW’s WNA are related to usage and the result of weather-related variances. Thus, they  
 3 are properly included in the cap calculation.

4 **Q. PLEASE DESCRIBE MR. GELLER’S TESTIMONY CONCERNING THE**  
 5 **APPROPRIATE BALANCE BETWEEN CONSUMERS AND UTILITIES.**

6 A. Mr. Geller testifies that the Commission should evaluate future WNA proposals to  
 7 determine whether they “will achieve the appropriate balance of interests between  
 8 consumers and utilities – without undermining rate affordability and critically important  
 9 conservation and efficiency goals.”<sup>31</sup>

10 **Q. HOW DO YOU RESPOND?**

11 A. In this testimony, Mr. Geller is overlooking the fact that PGW’s WNA is designed only  
 12 to achieve revenue neutrality, meaning that PGW will have an opportunity to recover the  
 13 Commission-approved cost of service. Again, the WNA does not allow for over-  
 14 recovery of costs by PGW.

15 **(F) Overall Conclusions**

16 **Q. DO YOU HAVE ANY OTHER OBSERVATIONS REGARDING THE**  
 17 **TESTIMONY SUBMITTED BY OCA AND CAUSE -PA?**

18 A. Yes. I am concerned that in advancing proposals to suspend or eliminate the WNA –  
 19 because of one instance in 2022 when the mechanism did not operate as intended (in  
 20 comparison to a 20-year period in which it did operate as intended), which PGW  
 21 promptly identified and voluntarily rectified – OCA and CAUSE-PA are overlooking the  
 22 overall importance of PGW’s WNA to its operations, and attempting to insert into this  
 23 25% cap request proceeding their goal of abolishing all WNAs in Pennsylvania. As

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<sup>31</sup> CAUSE-PA Statement 1 at 15.



1 PGW stated over 20 years ago, and as still holds true today, the WNA: (i) stabilizes cash  
2 flow from year-to-year; (ii) reduces the need for short-term borrowing from year-to-year;  
3 (iii) positively affects PGW's credit rating; and (iv) reduces the need for costly base rate  
4 proceedings (which could even include extraordinary rate requests if actual revenues  
5 diverged dramatically and quickly from normal levels).<sup>32</sup> As the other parties and the  
6 Commission and the Pennsylvania General Assembly<sup>33</sup> have appropriately recognized in  
7 the past, a WNA-type clause is particularly appropriate for a municipally owned utility  
8 because under the cash flow method of ratemaking, ratepayers provide revenues to cover  
9 the entire costs of service – but only the cost of service. The WNA minimizes the degree  
10 to which shortfalls or windfalls occur. For a municipal utility that utilizes a WNA,  
11 ratepayers are assigned the same responsibilities or obtain the same benefits that they  
12 would without a WNA.

13 **Q. PLEASE DESCRIBE THE EFFECTS OF THE EXISTING WNA ON PGW'S**  
14 **CREDIT RATING.**

15 A. Because the existing WNA has eliminated the effect of abnormal weather on revenues  
16 and cash flow, it has had a very positive effect upon the way in which PGW has been  
17 viewed by the financial community. Weather-related reductions in earnings and cash  
18 flow prior to implementation of the WNA threatened PGW's ability to successfully issue  
19 additional long-term debt, the Company's only available source of external capital. The  
20 rating agencies have clearly indicated their reliance upon the WNA to operate as a risk-  
21 mitigating tool, which has resulted in PGW achieving higher credit ratings.<sup>34</sup> Of note,

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<sup>32</sup> 2002 Base Rate Case, PGW St. 2 at 3 (Direct Testimony of Craig White).

<sup>33</sup> PGW St. No. 1 at 9.

<sup>34</sup> <https://www.fitchratings.com/research/us-public-finance/fitch-upgrades-philadelphia-pa-gas-works-revs-to-a-outlook-stable-17-02-2022>

1 absent the WNA, PGW would need to seek Commission approval for significantly higher  
2 base rates to guard against financial risks that might occur due abnormal weather in its  
3 service territory.

4 **IV. CONCLUSION**


5 **Q. DOES THAT COMPLETE YOUR TESTIMONY?**

6 **A.** Yes. However, I reserve the right to offer further testimony. Thank you.

**VERIFICATION**

I, Denise Adamucci, hereby state that: (1) I am the Senior Vice President for Customer & Regulatory Affairs for Philadelphia Gas Works (“PGW”); (2) I have reviewed the statements set forth in PGW’s Rebuttal Testimony as to their accuracy; and (3) the facts set forth therein are true and correct to the best of my knowledge, information and belief. I understand that statements herein are made subject subject to the penalties of 18 Pa. C.S. § 4904 (relating to unsworn falsification to authorities).

Date: May 2, 2023

  
Denise Adamucci  
Senior Vice President for Customer & Regulatory Affairs  
Philadelphia Gas Works

BEFORE THE  
PENNSYLVANIA PUBLIC UTILITY COMMISSION

REJOINDER TESTIMONY OF

Denise Adamucci

ON BEHALF OF  
PHILADELPHIA GAS WORKS

Pa. Public Utility Commission v. Philadelphia Gas Works  
Docket Nos. R-2022-3034229 and P-2022-3034264

May 19, 2023

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1 **I. INTRODUCTION**

2 **Q. PLEASE STATE YOUR NAME AND CURRENT POSITION WITH PGW.**

3 A. My name is Denise Adamucci and I am the Senior Vice President for Customer &  
4 Regulatory Affairs at Philadelphia Gas Works (“PGW” or “Company”).

5 **Q. HAVE YOU PREVIOUSLY SUBMITTED TESTIMONY IN THIS**  
6 **PROCEEDING?**

7 A. Yes. I submitted direct testimony on February 23, 2023 supporting Supplement No. 152,  
8 which PGW filed on August 2, 2022 to modify its Weather Normalization Adjustment  
9 (“WNA”) clause in the Company’s Gas Service Tariff.<sup>1</sup> By Supplement No. 152, PGW  
10 sought to implement a 25% cap on rate changes resulting from application of the WNA  
11 during the current heating season. I also submitted rebuttal testimony on May 2, 2023 to  
12 respond to the direct testimony offered by witness Ron Nelson on behalf of the Office of  
13 Consumer Advocate (“OCA”) and the direct testimony presented by witness Harry S.  
14 Geller on behalf of the Coalition for Affordable Utility Services and Energy Efficiency in  
15 Pennsylvania (“CAUSE-PA”).<sup>2</sup> Both my direct and rebuttal testimony demonstrate the  
16 importance of the WNA to PGW’s overall financial health and stability, which in turn  
17 benefits ratepayers.

18 **Q. WHAT IS THE PURPOSE OF YOUR REJOINER TESTIMONY?**

19 A. The purpose of my rejoinder testimony is to respond to the surrebuttal testimony of Mr.  
20 Nelson submitted by OCA<sup>3</sup> and the surrebuttal testimony of Mr. Geller submitted by  
21 CAUSE-PA<sup>4</sup> on May 12, 2023.

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1 PGW Statement No. 1.  
2 PGW Statement No. 1-R.  
3 OCA Statement 1-SR.  
4 CAUSE-PA Statement 1-SR.

1 **Q. HAS THE SURREBUTTAL TESTIMONY SUBMITTED BY OCA AND CAUSE-**  
 2 **PA ALTERED THE VIEWS SET FORTH IN YOUR PRIOR TESTIMONY IN**  
 3 **THIS PROCEEDING?**

4 A. No. I continue to believe that the 25% cap on the WNA proposed by PGW on August 2,  
 5 2022 had merit and should have been promptly implemented at that time to protect  
 6 consumers from the potential for unusually large or unanticipated charges during the  
 7 current heating season, which started on October 1, 2022. Further, I have not altered my  
 8 views regarding the importance of the WNA to PGW's financial health and stability,  
 9 which in turn benefits ratepayers. Particularly given PGW's responsibility to provide  
 10 safe and adequate natural gas service to ~500,000 customers, the Company needs the  
 11 financial certainty of billing the level of revenues authorized by the Commission even  
 12 when Philadelphia experiences abnormally warmer weather during the heating season.

13 **II. OVERALL OBSERVATIONS OF SURREBUTTAL TESTIMONY**

14 **Q. DO YOU HAVE ANY OVERALL OBSERVATIONS ABOUT MR. NELSON'S**  
 15 **SURREBUTTAL TESTIMONY SUBMITTED BY OCA?**

16 A. Yes. Despite agreeing that the WNA mechanism provides revenue neutrality, in that it  
 17 does not enable PGW to bill more revenues than have been authorized by the  
 18 Commission,<sup>5</sup> Mr. Nelson's surrebuttal testimony reflects a continued failure to  
 19 acknowledge that it is PGW's ratepayers who pay if the Company cannot meet its  
 20 financial obligations, and essentially proposes the elimination of PGW's WNA. For  
 21 instance, in his discussion of warming weather, Mr. Nelson suggests that the outcome of  
 22 the WNA is not equitable to customers because they continue to be billed the same level  
 23 of revenues despite their lower consumption.<sup>6</sup> Of note, PGW's WNA only results in an

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<sup>5</sup> OCA Statement 1-SR at 4.

<sup>6</sup> OCA Statement 1-SR at 4-5.

1 adjustment to rates if usage is reduced because of weather. However, if usage goes down  
2 because the customer conserves, the customer gets the benefit of that conservation. The  
3 whole point of a decoupling mechanism, such as PGW's WNA, is to ensure that the  
4 Company is able to bill revenues at a level authorized by the Commission as being  
5 necessary to sustain PGW's natural gas operations. Indeed, I am informed by counsel  
6 that the legislature has recognized this value of this tool in directing the Commission to  
7 authorize decoupling mechanisms that permit a utility to recover an authorized level of  
8 revenues whether lower billed revenues are due to weather or conservation.<sup>7</sup>

9 If PGW were not able to adjust billings through the WNA to reflect warmer  
10 weather during the heating season, its natural gas operations would be jeopardized,  
11 directly harming customers. Also, PGW would be required to more frequently seek rate  
12 relief from the Commission, potentially on an emergency basis, which again would need  
13 to be paid by the Company's customers. Yet, Mr. Nelson's surrebuttal testimony  
14 continues to ignore that PGW does not have access to funds other than those that are  
15 provided by ratepayers. It is imperative for the Commission to recognize the  
16 fundamental error in Mr. Nelson's assumption in this regard and to continue to support  
17 the WNA as providing PGW a cash balance that is critical to the safe and adequate  
18 provision of natural gas utility service to ~500,000 customers in Philadelphia.

19 **Q. DO YOU HAVE ANY OVERALL OBSERVATIONS ABOUT MR. GELLER'S**  
20 **TESTIMONY SUBMITTED BY CAUSE-PA?**

21 A. Yes. By focusing on the impact of the WNA on low-income customers, Mr. Geller's  
22 surrebuttal testimony seeks to portray this proceeding as having been initiated by PGW to

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<sup>7</sup> 66 Pa.C.S. § 1330.



1 increase rates. To the contrary, after obtaining PUC approval to refund a significant  
2 amount to customers for a charge properly billed under its approved tariff, PGW filed a  
3 consumer protection proposal seeking to cap the WNA at 25%. The WNA is a long-  
4 standing, Commission-approved formula, and herein PGW proposed to limit its charges.  
5 It is inappropriate for Mr. Geller to use this proceeding, which is focused on PGW trying  
6 to protect customers, as a platform for arguing that the WNA – a single component of  
7 PGW’s rates – is harmful to low-income customers. Mr. Geller has plenty of other  
8 forums in which to advocate on behalf of low-income customers; a proceeding initiated  
9 by PGW to protect all customers, including low-income customers, is not the appropriate  
10 place.

11 Further, because PGW’s WNA is already in its Commission-approved Tariff, it is  
12 the other parties’ burden to demonstrate that the Tariff provision is somehow  
13 unreasonable – not PGW’s burden to justify its continued existence. Counsel advises that  
14 Tariff provisions approved by the Commission are *prima facie* reasonable, and parties  
15 challenging such provisions bear a heavy burden to prove that facts and circumstances  
16 have changed drastically so as to render application of the Tariff provision unreasonable.<sup>8</sup>  
17 Certainly, neither Mr. Geller nor Mr. Nelson has met that heavy burden; their argument  
18 against the WNA is simply that it (sometimes) raises rates for customers. Importantly,  
19 however, it was designed to not raise rates above the level that the Commission has  
20 already approved. Moreover, the anomaly that occurred with the WNA in May 2022, and  
21 the potential of which PGW avoided this year by seeking and receiving emergency relief  
22 to exclude May 2023 usage from the formula, cannot be viewed as a “drastic” change

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<sup>8</sup> *Shenango Township Board of Supervisors v. Pa. PUC*, 686 A.2d 910, 914 (Pa. Cmwlth. 1996).

1 rendering application of the provision unreasonable, particularly since the WNA has not  
2 been applied to customers in either year.

3 Of note, in the base rate case that is pending, PGW has sought to remove May  
4 from the WNA formula so as to prevent any potential recurrence in the future. Through a  
5 study performed by PGW's consultant in the rate case, it became clear that the exclusion  
6 of May would address the warming weather trends in Philadelphia over recent years.<sup>9</sup>  
7 Indeed, if any changes are made to the WNA in the context of this proceeding, the  
8 removal of May from the formula makes sense since usage in this month has resulted in  
9 the issuance of emergency orders by the Commission (at the request of PGW) in the last  
10 two years.<sup>10</sup> The evidence appears clear: to the extent that the WNA is producing  
11 concerning results, those results are focused on May. Elimination of May in the formula,  
12 therefore, would be reasonable. PGW would support an Order permanently removing  
13 May from the formula in this proceeding.

#### 14 **III. SPECIFIC RESPONSES TO SURREBUTTAL TESTIMONY**

##### 15 **(A) Shifting of Risks**

16 **Q. DO THE WITNESSES FOR OCA AND CAUSE-PA CONTINUE TO CLAIM**  
17 **THAT PGW'S WNA SHIFTS RISKS ASSOCIATED WITH THE WEATHER**  
18 **FROM THE COMPANY TO CUSTOMERS?**

19 **A.** Yes. In his surrebuttal testimony for OCA, Mr. Nelson reiterates his view that PGW's  
20 WNA shifts risks of the weather and its impact on PGW's revenues from the Company to  
21 its customers. Indeed, he mischaracterizes this proceeding – one initiated by PGW to

<sup>9</sup> *Pa. P.U.C. v. Philadelphia Gas Works*, Docket No. R-2023-3037933 (Supplemental Direct Testimony of Denise Adamucci, PGW St. No. 1-SD at 20-21, served on April 3, 2023).

<sup>10</sup> *Petition of Philadelphia Gas Works for Emergency Order*, Docket No. P-2022-3033047 (Emergency Order entered July 1, 2022; Ratification Order entered July 14, 2022); *Petition of Philadelphia Gas Works for Emergency Order*, Docket No. P-2023-3040233 (Emergency Order entered April 28, 2023; Ratification Order entered May 18, 2023).

1 protect customers – as “the result of an excessive risk shift from the Company to its  
2 customers.”<sup>11</sup> Further, he testifies that “it is clear that the WNA *does* shift risk because  
3 outcomes for customers and for PGW will differ with and without the WNA. And when a  
4 WNA is in place, outcomes will also differ for customers and for PGW depending on  
5 how the WNA is designed.”<sup>12</sup>

6 Similarly, on behalf of CAUSE-PA, Mr. Geller again ignores the impact of the  
7 fact that PGW is owned by the City – more specifically, that the Company does not have  
8 investors to assume the financial risk associated with weather. Testifying that PGW’s  
9 WNA violates the “basic tenet” of just and reasonable rates “because it charges  
10 residential customers more than they should have to pay,”<sup>13</sup> Mr. Geller rejects the  
11 fundamental importance of cash flow to a utility like PGW that operates on a cash flow  
12 basis, and legislative intent regarding decoupling mechanisms. He suggests that PGW is  
13 only concerned about its cash flow without considering the impact of the WNA on  
14 customers.

15 **Q. PLEASE ADDRESS THE CLAIMS OF THE WITNESSES THAT PGW IS**  
16 **SHIFTING RISK FROM THE COMPANY TO ITS CUSTOMERS.**

17 A. While Mr. Geller refers to the WNA as producing rates that are not just and reasonable,  
18 Mr. Nelson recognizes that the WNA is not enabling PGW to bill more revenues than the  
19 amount authorized in the last base rate case by the Commission. Yet, both witnesses, in  
20 claiming there is a shift of the risk from the Company to its customers, continue to  
21 overlook the reality that PGW is operating as a cash flow utility. In doing so, OCA and

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<sup>11</sup> OCA Statement 1-SR at 5.

<sup>12</sup> OCA Statement 1-SR at 4.

<sup>13</sup> CAUSE-PA Statement 1-SR at 2.

1 CAUSE-PA ignore the fact that if a year is colder than normal, the WNA is designed to  
2 protect ratepayers from paying more. Moreover, with no investors or shareholders, PGW  
3 relies on revenues received from customers – essentially the Company’s shareholders – to  
4 sustain its natural gas operations. Simply, there is nowhere else to go besides rates for  
5 the funds that are needed to perform its natural gas public utility functions.

6 As to Mr. Nelson’s comment about PGW’s request for emergency relief to  
7 remove May 2023 usage from the WNA, that filing did not demonstrate the clause’s risk  
8 to customers, as he suggests, but rather demonstrates PGW’s desire to protect consumers  
9 from potential variances in May weather as well as its concerns regarding May weather.  
10 Because of the warmer weather trends being experienced in Philadelphia in May, as well  
11 as the way in which customers appear to respond to colder weather when it does occur,  
12 and a recommendation offered by PGW’s consultant in the base rate case to remove May  
13 from the WNA, PGW took the proactive measure of proposing its removal from the  
14 formula this May. It is disingenuous for Mr. Nelson to suggest that a consumer  
15 protection proposal filed by PGW somehow supports his criticisms of PGW’s WNA.

16 If PGW is unable to fulfill its critical statutory duties due to a shortage of cash, it  
17 is the Company’s ratepayers who would be harmed. Therefore, in its efforts to ensure  
18 sufficient revenues to support its day-to-day operations, not to mention the consumer  
19 protection proposal the Company filed to initiate this proceeding and the emergency  
20 relief request discussed above, PGW is completely focused on any potential negative  
21 impact of the WNA on its customers. Weather-related risks are either managed on the  
22 front end through a WNA or on the back end through rate increases, including emergency

1 or extraordinary rate relief.<sup>14</sup> As I stated in my rebuttal testimony, the “shifting” of risk  
 2 concept relied upon by Mr. Nelson and Mr. Geller is not applicable to PGW and should  
 3 be wholly disregarded.

4 **Q. DO YOU HAVE ANY OTHER COMMENTS REGARDING THE**  
 5 **PERSPECTIVES OF OCA AND CAUSE-PA ABOUT THE POTENTIAL**  
 6 **IMPACT OF THE WNA ON CUSTOMER RATES?**

7 A. Yes. The witnesses for OCA and CAUSE-PA are reviewing the impact on customers of  
 8 a single component of PGW’s rates. Rates are designed with fixed and variable  
 9 components to address the fine balance of ensuring that the utility collects the cost of  
 10 service but also aligns with customers’ usage patterns. The WNA is no different than  
 11 other rates and surcharges, which are currently being examined in PGW’s base rate case.  
 12 This singular focus on the WNA mechanism, particularly in a proceeding initiated to  
 13 protect consumers, fails to look at PGW’s rates from the broader perspective that is  
 14 necessary to consider the full impact on customers.

15 **(B) Monthly Reconciliation**

16 **Q. PLEASE DESCRIBE MR. NELSON’S TESTIMONY REGARDING MONTHLY**  
 17 **VERSUS ANNUAL RECONCILIATION.**

18 A. Mr. Nelson testifies that under the WNA’s monthly reconciliation, bills vary radically as  
 19 compared to annual reconciliation. He also suggests that the monthly reconciliation  
 20 feature of PGW’s WNA “shifts more risk from PGW onto consumers.”<sup>15</sup>

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<sup>14</sup> It is worth noting that, because PGW is regulated on a cash flow basis, any significant reduction in PGW’s cash balances in one year would create a revenue requirement to repair that cash deficiency in a subsequent rate case.

<sup>15</sup> OCA Statement 1-SR at 4.

1 **Q. PLEASE RESPOND.**

2 A. In criticizing the feature of PGW's WNA that involves monthly reconciliation, Mr.  
3 Nelson fails to consider the effect of annual reconciliation on the Company's day-to-day  
4 operations. As explained in my rebuttal testimony, OCA's recommendation to change  
5 the WNA adjustment from a monthly to an annual reconciliation period would cause  
6 major liquidity issues for PGW. Operating on a cash flow basis requires PGW to  
7 continually have sufficient cash on hand throughout the year (not just at year-end) to  
8 support the provision of safe and adequate natural gas service. A method that annually  
9 reconciles PGW's revenues to reflect variations in weather from the normal patterns  
10 would fail to recognize the ongoing need for cash to maintain these natural gas utility  
11 operations.<sup>16</sup>

12 In reviewing financial statements and the historic annual WNA billings and  
13 credits, PGW has determined that a hypothetical move from a monthly to an annual  
14 reconciliation lends the potential for the Company's accounts receivable balance to grow  
15 year after year in a warmer than normal year. This working capital increase would  
16 require PGW to have additional funding available to support its growth. The increase in  
17 accounts receivable would extend the days sales outstanding and decrease cash on hand,  
18 which would likely be viewed negatively by the bond rating agencies. PGW would also  
19 have to record an increase in its bad debt expense and reserve for uncollectible accounts,  
20 thereby decreasing its net income, which would likewise likely be viewed negatively by  
21 the bond rating agencies. In the end, PGW customers are the ones who would pay for  
22 such results.

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<sup>16</sup> PGW Statement No. 1-R at 13-14.

1 **Q. DO YOU HAVE OTHER CONCERNS ABOUT A POTENTIAL MOVE FROM**  
2 **MONTHLY TO ANNUAL RECONCILIATION?**

3 A. Yes. Although it is unclear exactly how the charge would be reconciled over time, any  
4 annual reconciliation would shift the collection of WNA charges (or pass through of  
5 credits) across a multi-year span. This outcome could have impacts on PGW rate case  
6 filings, as well as customers paying a charge not linked to their billing cycle usage during  
7 a current season. In suggesting a move to annual reconciliation, Mr. Nelson has failed to  
8 acknowledge that customers could end up facing higher rates in a subsequent year due to  
9 a large amount of weather-related reconciliation being necessary, coupled with colder  
10 than normal weather which would require increased bills that are not reconciled until a  
11 future period.

12 **(C) Supporting Data for Caps**

13 **Q. PLEASE DESCRIBE THE TESTIMONY OF MR. NELSON CONCERNING**  
14 **SUPPORTING DATA FOR THE CAPS PROPOSED BY PGW AND OCA.**

15 A. Mr. Nelson responds to my rebuttal testimony regarding a lack of data offered by OCA to  
16 support a 5% cap on rate increases due to application of the WNA. In responding, he  
17 refers to examples of investor-owned public utilities in other jurisdictions, including  
18 Minnesota, as supporting OCA's proposed 5% cap. Mr. Nelson also claims that PGW  
19 has not provided support for its proposal to implement a 25% cap.<sup>17</sup>

20 **Q. PLEASE RESPOND.**

21 A. At the outset, as I explained in my rebuttal testimony, PGW no longer has an interest in  
22 implementing a 25% cap since it was intended as a quick solution to protect customers  
23 during the current heating season and has become moot. Nonetheless, PGW did offer

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<sup>17</sup> OCA Statement 1-SR at 6.

1 data in support of the proposed cap, which it shared with the parties through discovery in  
2 response to OCA-II-7, which is attached as PGW Exhibit DA-4. Further, since originally  
3 suggesting the 25% cap, PGW has engaged a consultant to review its WNA and has made  
4 specific recommendations regarding this mechanism in testimony submitted in the  
5 pending base rate case. A very low cap – essentially nullifying the financial benefit of a  
6 WNA – is not among those recommendations. Indeed, in my direct testimony, I  
7 acknowledged that to a degree, a cap is inconsistent with the whole purpose of the WNA.  
8 For instance, without the 25% cap, the WNA would work as intended to provide revenue  
9 neutrality and financial stability to PGW from the standpoint of weather trends in  
10 Philadelphia that are beyond the control of the Company. Nonetheless, given the  
11 anomaly that occurred with the May 2022 usage, PGW made a determination that having  
12 a control in place is preferable for its customers as compared to the application of a  
13 formula that does not consider the volume of charges or credits. Given the brief amount  
14 of time between the unusually large increases based on May 2022 usage and the onset of  
15 the 2022-2023 heating season on October 1, 2022, PGW selected this simple solution that  
16 could be quickly implemented at the time to prevent a recurrence. The proposed 25% cap  
17 was a straightforward solution to explain to customers and had the advantage of being  
18 fairly simple to implement in PGW's then current billing system.

19 As to Mr. Nelson's claim that he has supported his proposed 5% cap, I note that  
20 he has offered no financial analyses showing why that is the appropriate level. Examples  
21 from other jurisdictions of investor-owned utilities are not relevant to a municipally-



1 owned utility like PGW.<sup>18</sup> In addition, Mr. Nelson gives no information about the  
2 context of these caps or how rates are otherwise determined or structured in other  
3 jurisdictions. Importantly, placing a 5% cap on rate increases that may occur as a result  
4 of application of the WNA would impact PGW's financial stability in much the same  
5 way as would an elimination of the mechanism. My direct and rebuttal testimony  
6 stressed the importance of keeping the WNA in place, even if it is slightly modified.  
7 Specifically, the safe and adequate operation of a natural gas company for ~500,000  
8 customers is a critical statutory function performed by PGW that requires a supporting  
9 level of revenues as determined by the Commission. Once the Commission determines  
10 the revenues that are needed and authorizes their collection through rates imposed on  
11 customers (in a base rate case), it is imperative that PGW be given the opportunity to  
12 collect this level of revenues so that it can fulfill the obligations of ensuring that  
13 customers in Philadelphia continue to receive safe and adequate natural gas service.  
14 When the weather significantly varies from the normal levels that the Commission has  
15 used to calculate PGW's anticipated revenues and authorize a specific amount of rate  
16 relief, the WNA properly adjusts the charges imposed by PGW to produce the revenue  
17 levels determined by the Commission.

18 As PGW stated over 20 years ago, and as still holds true today, the WNA: (i)  
19 stabilizes cash flow from year-to-year; (ii) reduces the need for short-term borrowing  
20 from year-to-year; (iii) positively affects PGW's credit rating; and (iv) reduces the need

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<sup>18</sup> With respect to OCA's testimony noting that PGW has not pointed to other municipal utilities with similarly designed WNAs, I note that PGW is the only other natural gas municipal utility in Pennsylvania and one of the few regulated by a state public utility commission. Self-regulated municipal utilities can raise rates to meet downturns in revenues due to weather without going through the extensive, costly and time-consuming process of a base rate case.

1 for costly base rate proceedings (which could even include extraordinary rate requests if  
 2 actual revenues diverged dramatically and quickly from normal levels). As the other  
 3 parties and the Commission and the Pennsylvania General Assembly<sup>19</sup> have appropriately  
 4 recognized in the past, a WNA-type clause is particularly appropriate for a municipally  
 5 owned utility because under the cash flow method of ratemaking, ratepayers provide  
 6 revenues to cover the entire costs of service – but only the cost of service.<sup>20</sup>

7 ***(D) Low-Income Customers***

8 **Q. PLEASE DESCRIBE MR. GELLER’S TESTIMONY CONCERNING THE**  
 9 **IMPACT OF THE WNA ON LOW-INCOME CUSTOMERS.**

10 A. Mr. Geller is concerned about the financial impact of the WNA on low-income customers  
 11 who are not enrolled in the Customer Responsibility Program (“CRP”). In his surrebuttal  
 12 testimony, he asserts that these customers have no protection from the financial burden  
 13 imposed by the WNA.<sup>21</sup>

14 **Q. PLEASE RESPOND.**

15 A. PGW understands that its low-income customers, particularly those who are not in the  
 16 CRP, face challenges paying their natural gas bills. For that reason, PGW has been  
 17 committed to the implementation of a robust customer assistance program and adjusted  
 18 the energy burdens in its program as immediately as possible when the Commission  
 19 lowered those energy burdens. However, it is not appropriate to focus on the WNA  
 20 component of PGW’s rates as causing specific harm to low-income customers since it is  
 21 only designed to ensure that PGW has an opportunity to recover the level of revenues that  
 22 was authorized by the Commission in the last base rate case. Whether warmer weather is

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<sup>19</sup> 66 Pa.C.S. § 1330.

<sup>20</sup> PGW Statement No. 1 at 5-6 and 8-9.

<sup>21</sup> CAUSE-PA Statement 1-SR at 4-5.

1 addressed by the WNA or through higher base rates, the reality is that preserving PGW's  
 2 financial stability is imperative, which in turn, benefits ratepayers by having continued  
 3 access to critical natural gas utility services. And, again, the WNA is not raising rates  
 4 over the level *the Commission has already approved*. PGW's WNA, similar to  
 5 mechanisms in use or under consideration by other natural utilities, allows the Company  
 6 to focus on the infrastructure needed to maintain its operations. With investor-owned  
 7 utilities having access to this tool, using WNAs that are very similar in design to PGW's,  
 8 and with legislative intent clear regarding alternative ratemaking mechanisms,<sup>22</sup> it is  
 9 entirely inappropriate to single out PGW's WNA as a mechanism that is harming  
 10 customers.

11 **Q. DO YOU HAVE ANY OTHER COMMENTS ABOUT THE IMPACT OF RATES**  
 12 **ON LOW-INCOME CUSTOMERS?**

13 A. Yes. Mr. Geller has access to a variety of forums in which he can pursue any concerns he  
 14 has about the impact of rates charged by public utilities on low-income customers. These  
 15 broader issues need to be considered on a statewide basis. This proceeding, which PGW  
 16 initiated to propose a WNA cap, is not the avenue to litigate CRP enrollment, outreach or  
 17 other issues that Mr. Geller has raised in his surrebuttal testimony, including the effect of  
 18 the WNA on energy efficiency measures taken by consumers.

19 **(E) Alternative Ratemaking Methods**

20 **Q. PLEASE DESCRIBE MR. GELLER'S TESTIMONY ABOUT ALTERNATIVE**  
 21 **RATEMAKING METHODS.**

22 A. While Mr. Geller acknowledges that revenue stability is a factor that the Commission  
 23 considers in reviewing alternative rate designs, he refers to other factors, such as impact

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<sup>22</sup> 66 Pa.C.S. § 1330.

1 on low-income customers, that the Commission’s regulations governing alternative  
 2 ratemaking methods address.<sup>23</sup>

3 **Q. HAS PGW REVIEWED THE OTHER FACTORS IDENTIFIED BY THE**  
 4 **COMMISSION’S POLICY STATEMENT?**

5 A. Yes. On July 18, 2019, the Commission issued a Final Policy Statement Order to  
 6 implement Section 1330 of the Public Utility Code, and identified factors that it would  
 7 consider in determining just and reasonable distribution rates that promote the efficient  
 8 use of electricity, natural gas or water, and the use of distributed energy resources, as well  
 9 as reduce disincentives for such efficient use and resources and ensure adequate revenue  
 10 to maintain the safe, secure and reliable operation of fixed utility distribution systems.  
 11 One of the alternative ratemaking methodologies that Section 1330 specifically  
 12 authorizes is a “decoupling mechanism,” which includes a weather normalization clause.  
 13 At the same time, the Commission emphasized that an alternative rate design  
 14 methodology should reflect the sound application of cost of service principles, establish a  
 15 rate structure that is just and reasonable, and consider customer impacts. The factors set  
 16 forth in the Final Policy Statement Order are set forth in the “Distribution Rates –  
 17 Statement of Policy” at 52 Pa. Code § 69.3302 (“Policy Statement”).

18 **Q. DOES PGW’S WNA ALIGN WITH THE COMMISSION’S ALTERNATIVE**  
 19 **RATEMAKING METHODOLOGIES POLICY STATEMENT?**

20 A. Yes. While PGW’s WNA was approved by the Commission prior to Section 1330 being  
 21 added to the Public Utility Code, or the promulgation of this Statement of Policy, its clause  
 22 is consistent with both. PGW Exhibit DA- 5, which is attached, examines each factor in

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<sup>23</sup> CAUSE-PA Statement 1-SR at 3.

1 the Policy Statement and explains how PGW's WNA – current and proposed – aligns  
2 with the applicable criteria.

3 **IV. CONCLUSION**

4 **Q. DOES THAT COMPLETE YOUR TESTIMONY?**

5 **A.** Yes. However, I reserve the right to offer further testimony. Thank you.

PGW Exhibit DA-4  
Response to OCA-II-7

Philadelphia Gas Works  
Case Name: PGW WNA Cap Proceeding  
Docket No(s): P-2022-3034264

Response to Discovery Request: OCA Set II-7  
Date of Response: 3/27/2023  
Response Provided By: Denise Adamucci

Question:

Reference Adamucci Direct Section IV.B: Proposed 25 Percent Cap. Please answer the following questions:

- a. Is the Company aware of other regulated utilities with 25 percent or above caps on decoupling related adjustments? Please summarize the mechanisms the Company is aware of and provide commission orders, with line citations, that state the approved adjustment cap.
- b. Is the Company aware of decoupling related adjustment caps that are lower than 25 percent? Please summarize the mechanisms the Company is aware of and provide commission orders, with line citations, that state the approved adjustment cap.
- c. Did the Company do any analytics to support the 25 percent cap? For example, how frequently would the cap be reached based on historical data. Provide any and all analysis conducted by the Company.
- d. Did the Company consider modifying the WNA formula or mechanism in addition to, or as a substitute for, the 25 percent cap? If so, explain the modifications considered and provide any supporting analysis. If not, explain why not.

Where applicable, provide your response in live, unlocked Excel spreadsheets with all links and formula intact.

Attachments: 1

OCA\_Set\_II\_7\_Exhibit OCA II-7.xlsx

Response:

- a. No.
- b. See response to (a.) above.
- c. Yes, see the attached analytics. PGW reviewed what cap percentage would prevent a recurrence of the larger May 2022 WNA charges while minimizing the cash flow loss to PGW.

The proposed cap would be calculated and triggered on a service agreement level and would be reached monthly for some customers.

- d. PGW's analysis of alternatives is not yet completed.

### WNA Cap Modeling by Fiscal Year and % Cap

Line	Description	FY 2019	FY 2020	FY 2021	FY 2022	FY 2022 (excl. May)
1	Actual WNA	\$1,592,512	\$10,339,902	\$11,668,061	\$34,373,495	\$23,084,787
	<u>Estimated Capped WNA</u>					
2	15% Cap	(\$1,445,321)	\$10,965,306	\$10,978,938	\$22,419,496	\$21,097,176
3	20% Cap	(\$628,428)	\$10,744,740	\$11,523,361	\$23,558,859	\$21,914,058
4	25% Cap	(\$48,055)	\$10,439,654	\$11,631,071	\$24,103,688	\$22,168,839
5	30% Cap	\$354,334	\$10,343,082	\$11,656,172	\$24,560,207	\$22,354,055
6	35% Cap	\$627,258	\$10,335,465	\$11,660,882	\$24,962,200	\$22,497,902
	<u>Estimated Variance</u>					
7	15% Cap	(\$3,037,833)	\$625,404	(\$689,123)	(\$11,953,999)	(\$1,987,611)
8	20% Cap	(\$2,220,940)	\$404,838	(\$144,700)	(\$10,814,636)	(\$1,170,729)
9	25% Cap	(\$1,640,567)	\$99,752	(\$36,990)	(\$10,269,807)	(\$915,948)
10	30% Cap	(\$1,238,178)	\$3,180	(\$11,889)	(\$9,813,288)	(\$730,732)
11	35% Cap	(\$965,254)	(\$4,437)	(\$7,179)	(\$9,411,295)	(\$586,885)



PGW Exhibit DA-5  
Analysis of Policy Statement Factors  
52 Pa. Code § 69.3302

## Analysis of Factors Identified in Policy Statement

Each factor in the Policy Statement at 52 Pa. Code § 69.3302 is identified below, with an explanation of how PGW's WNA – current and proposed – aligns with the applicable criterion:

- (1) How the ratemaking mechanism and rate design align revenues with cost causation principles as to both fixed and variable costs.

PGW's WNA is designed to enable the recovery of revenues through volumetric distribution rates that reflect the cost-of-service requirements determined in a base rate proceeding. A significant portion of these revenues is caused by fixed costs, such as operation and maintenance expenses, administrative and general expenses, depreciation and certain taxes, which do not vary with the amount of gas that is delivered to customers. These costs also do not vary, in the short-term, with changes in the weather. In the absence of a rate design that affords PGW the opportunity to recover all fixed costs in a fixed monthly charge, the WNA mechanism better aligns distribution revenues with cost causation principles. The WNA accomplishes this result by allowing PGW to recover fixed costs through volumetric distribution rates by appropriately accounting for variation in usage due to weather.

- (2) How the ratemaking mechanism and rate design impact the fixed utility's capacity utilization.

PGW's WNA has no identifiable impact on its capacity utilization.

- (3) Whether the ratemaking mechanism and rate design reflect the level of demand associated with the customer's anticipated consumption levels.

The base load is determined separately for each individual customer and is revised annually to reflect the non-temperature sensitive usage of customers to which PGW's WNA adjustment applies reflected in the prior heating season's sales.

- (4) How the ratemaking mechanism and rate design limit or eliminate interclass and intraclass cost shifting.

Since the WNA mechanism applies rates that are based upon the specific revenue allocation and rate design approved by the Commission for heating customers, its continued implementation will mitigate the potential for interclass or intraclass cost shifting related to weather driven usage deviations from the weather assumptions used in establishing rates.

- (5) How the ratemaking mechanism and rate design limit or eliminate disincentives for the promotion of efficiency programs.

PGW remains committed to the successful implementation of its Universal Service and Energy Conservation Plan. The Company has also demonstrated its commitment to saving customers money and ensuring efficient energy use by implementing a Low Income Smart Thermostat Program as part of its Demand Side Management program in 2022. The WNA only addresses variations due to weather and does not negatively impact energy efficiency programs.

- (6) How the ratemaking mechanism and rate design impact customer incentives to employ efficiency measures and distributed energy resources.

Customers remain incentivized to employ efficiency measures and distributed energy resources that reduce their overall bill, and the portion of their bill that is subject to the WNA mechanism.

- (7) How the ratemaking mechanism and rate design impact low-income customers and support consumer assistance programs.

Customers participating in the Customer Responsibility Program and abiding by its terms are unaffected by the WNA as their energy burden will not exceed the level approved by the PUC. In stabilizing the recovery by PGW of the costs of delivering safe and reliable gas to customers, the WNA likewise reduces the variability of distribution rates that are paid by consumers.

- (8) How the ratemaking mechanism and rate design impact customer rate stability principles.

The WNA provides more stability for customers because it avoids the need for PGW to seek emergency rate relief, which would potentially result in greater increases.

- (9) How weather impacts utility revenue under the ratemaking mechanism and rate design.

With the WNA's purpose of achieving revenue neutrality, this mechanism reduces the impact of the weather when it varies from what is considered historically normal weather, on PGW's revenue. While the WNA does not ensure that PGW will recover 100% of its authorized distribution revenues, the clause reduces the amount of weather-related variation in both customer bills and associated utility distribution revenues. Without the WNA, PGW would be deprived of the opportunity to recover the Commission-approved distribution costs of service during times when warmer than normal weather occurs in its service territory and customers would not receive a

credit when it is colder than normal. The absence of a WNA would place PGW in a position of receiving a higher amount of revenues from customers when the weather is colder than normal. The WNA serves to avoid both scenarios by minimizing the impact of weather on PGW's revenues and customers' bills.

*(10) How the ratemaking mechanism and rate design impact the frequency of rate case filings and affect regulatory lag.*

Due to PGW's status as a municipal utility that operates under the cash flow method for ratemaking, the WNA has the potential to reduce the frequency of rate case filings and regulatory lag. When weather variations reduce PGW's opportunity to fully recover the fixed costs of operating the natural gas utility, its ability to continue providing safe and reliable natural gas service to consumers is jeopardized. To ensure that PGW has sufficient cash on hand to fulfill its obligations as a natural gas distribution company, the absence of a WNA to provide revenue neutrality would likely require the more frequent filing of rate cases, including requests for emergency relief.

*(11) If or how the ratemaking mechanism and rate design interact with other revenue sources, such as Section 1307 automatic adjustment surcharges, 66 Pa.C.S. § 1307 (relating to sliding scale of rates; adjustments), riders such as 66 Pa.C.S. § 2804(9) (relating to standards for restructuring of electric industry) or system improvement charges, 66 Pa.C.S. § 1353 (relating to distribution system improvement charge).*

The WNA only applies to distribution related charges - these are recovering the base distribution revenue requirement from applicable WNA customer classes for the heating season of October through May. The mechanism does not interact with other revenue sources.

*(12) Whether the alternative ratemaking mechanism and rate design include appropriate consumer protections.*

The WNA protects consumers from paying higher bills when the weather is colder than normal and benefits consumers by ensuring that their natural gas utility is financially strong and stable such that they continue to receive safe, secure and reliable natural gas service, regardless of variations in weather.

(13) Whether the alternative ratemaking mechanism and rate design are understandable to consumers.

The basic concept of the WNA is not difficult to convey to consumers, which is that the Commission has determined that PGW needs to recover a certain amount of revenues in order to continue operating as a natural gas utility and providing consumers with safe, secure and reliable natural gas service, regardless of how the weather varies from one heating season to another. In other words, once the Commission has identified a level of fixed costs that PGW incurs to operate the natural gas distribution system, it is important that PGW recover that level of costs – no less and no more. The WNA is a mechanism that is designed to ensure that outcome.

(14) How the ratemaking mechanism and rate design will support improvements in utility reliability.

The WNA supports improvements in utility reliability by ensuring that PGW is recovering the fixed costs associated with operating a natural gas utility and providing safe, secure and reliable natural gas service to the customers on its distribution system. These costs include maintenance of and upgrades to the infrastructure that is at the core of these operations. With the financial stability that the WNA affords PGW for an opportunity to recover its fixed costs, PGW is able to continue its capital improvement program that is designed to enhance the reliability of its natural gas service.

**VERIFICATION**

I, Denise Adamucci, hereby state that: (1) I am the Senior Vice President for Customer & Regulatory Affairs for Philadelphia Gas Works (“PGW”); (2) I have reviewed the statements set forth in PGW’s Rejoinder Testimony as to their accuracy; and (3) the facts set forth therein are true and correct to the best of my knowledge, information and belief. I understand that statements herein are made subject subject to the penalties of 18 Pa. C.S. § 4904 (relating to unsworn falsification to authorities).

Date: May 19, 2023

DA

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Denise Adamucci  
Senior Vice President for Customer & Regulatory Affairs  
Philadelphia Gas Works