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File #: 203275

January 31, 2024

***VIA ELECTRONIC FILING***

Rosemary Chiavetta, Secretary  
Pennsylvania Public Utility Commission  
Commonwealth Keystone Building  
400 North Street, 2nd Floor North  
P.O. Box 3265  
Harrisburg, PA 17105-3265

**Re: Pennsylvania Public Utility Commission v. National Fuel Gas Distribution Corporation**  
**Docket Nos. R-2024-3045177**

Dear Secretary Chiavetta:

Attached for filing on behalf of National Fuel Gas Distribution Corporation (“Distribution”) in the above-referenced proceeding pursuant to Section 1307(f)(1) of the Public Utility Code, 66 Pa. C.S. § 1307(f)(1), are two bound volumes which contain testimony, exhibits, a Tariff Supplement and a Tariff Addendum. Distribution has also enclosed a disk which contains an electronic copy of all testimony and exhibits being submitted with this letter.

The first bound volume includes Supplement No. 269 to Tariff Gas – Pa. P.U.C. No. 9, issued January 31, 2024, and effective August 1, 2024, as well as a Tariff Addendum and the required redline version. The list of tariff changes is provided on pages 2 and 3. The second bound volume contains testimony and exhibits supporting Distribution’s actual and projected change in natural gas costs.

As indicated on the attached Certificate of Service, copies of these materials are being provided to the Bureau of Investigation and Enforcement, the Office of Consumer Advocate and the Office of Small Business Advocate.

If you have any comments or questions regarding the attached, please contact the undersigned.

Rosemary Chiavetta, Secretary  
January 31, 2024  
Page 2

Respectfully submitted,

A handwritten signature in blue ink, appearing to read "Anthony D. Kanagy". The signature is fluid and cursive, with a large initial "A" and "K".

Anthony D. Kanagy

ADK/kl  
Enclosures

cc: Certificate of Service

## CERTIFICATE OF SERVICE

I hereby certify that a true and correct copy of the foregoing has been served upon the following persons, in the manner indicated, in accordance with the requirements of 52 Pa. Code § 1.54 (relating to service by a participant).

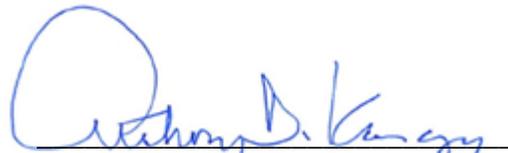
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Date: January 31, 2024



Anthony D. Kanagy

**NATIONAL FUEL GAS DISTRIBUTION CORPORATION  
BUFFALO, NEW YORK**

**RATES, RULES AND REGULATIONS**

**GOVERNING THE FURNISHING  
OF  
NATURAL GAS SERVICE  
IN  
TERRITORY DESCRIBED HEREIN**

Issued: January 31, 2024

Effective: August 1, 2024

D. L. DeCAROLIS, PRESIDENT  
BUFFALO, NEW YORK

This Supplement includes increases and decreases to existing rates.  
See page 2.

LIST OF CHANGES MADE BY THIS TARIFF

INCREASE:

1. Distribution Charge for Residential, Commercial and Public Authority, Small Volume Industrial, Intermediate Volume Industrial, Large Volume Industrial and Large Industrial Service Classes increase.  
Pages 36, 36A, 41, 41A, 42, 53, 55, 65, 66, 76
2. Gas Adjustment Charges increase for Residential, Commercial and Public Authority, Small Volumes Industrial, Intermediate Volume Industrial, and Large Industrial Service  
Pages 36, 41, 41A, 42, 53, 55, 65, 76
3. The Natural Gas Supply Charge for Residential, Commercial and Public Authority, Small Volume Industrial, Intermediate Volume Industrial, Large Volume Industrial and Large Industrial Service Classes increase.  
Pages 36A, 41, 41A, 42, 53, 55, 66 and 76A.
4. Demand Charges for Load Balancing Service increase.  
Pages 48, 61, 72, 79, 82
5. Commodity Charges for Sales Services increase.  
Pages 50, 62, 73, 80
6. Commodity Charges for Transportation Service increase.  
Page 50, 63, 74, 81
7. Components of Natural Gas Vehicle rates increase.  
Pages 83 and 84.
8. Priority Standby Service monthly rate increase.  
Pages 93, 95
9. The price for purchase of gas by Distribution from a transportation service customer in the event of a curtailment or interruption will increase.  
Pages 106, 117 and 146G.
10. Purchased gas costs in Rider A increase.  
Page 147
11. The Price to Compare shown in Rider H increases.  
Page 169.
12. MMT Service Rates increased for Residential, "Small" Commercial/ Public Authority >25,000, "Large" Commercial/ Public Authority, Intermediate Volume Industrial, Large Volume Industrial, and Large Industrial Service Classes.  
Pages 100 and 101

LIST OF CHANGES MADE BY THIS TARIFF

INCREASE:

13. SATC Transportation Service rates increase for Residential and Small Volume Industrial.  
Page 119A, 120, 121
14. Certain Demand Transfer Recovery Rates ("DTR") increase.  
Page 127.
15. SATC Alternative Capacity Release Rate increase.  
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16. The Merchant Function Charge in Rider G increase.  
Page 168.

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17. Weighted average demand cost of upstream capacity increases.  
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RESIDENTIAL SERVICE RATE SCHEDULE

RESIDENTIAL CLASSIFICATION

This classification shall include gas supplied for residential purposes such as a private dwelling, apartment house with a single meter supplying four or less dwelling units, separately metered apartments of a multiple dwelling, accessory buildings to dwellings or apartment houses such as garages, except at residences receiving service under Rate Schedule LIRAS for Low Income Residential Assistance Service and other places of residence where gas is used for residential purposes.

Churches and missions (places of worship) shall be entitled to Service under the Residential service rate schedule.

AVAILABILITY OF SERVICE

Gas Service shall be available at one location, except as otherwise provided, for residential customers.

APPLICABILITY

Applicable in all areas served under this tariff.

MONTHLY RATE

Basic Service Charge			
\$14.00	per Month		
Distribution Charges			
34.036¢	per 100 cubic feet		(I)
Gas Adjustment Charge			
(0.479)¢	per 100 cubic feet	Purchased Gas Cost Component (Rider A)	(I)
<u>(0.009)¢</u>	per 100 cubic feet	Merchant Function Charge (Rider G)	(I)
(0.488)¢	Per 100 cubic feet	Total Gas Adjustment Charge	(I)

(D) Indicates Decrease

(I) Indicates Increase

RESIDENTIAL SERVICE RATE SCHEDULE (cont.)

Natural Gas Supply Charge			
55.335¢	per 100 cubic feet	Purchased Gas Cost Component (Rider A)	(I)
0.998¢	per 100 cubic feet	Merchant Function Charge (Rider G)	(I)
<u>1.149¢</u>	per 100 cubic feet	Gas Procurement Charge (Rider H)	
57.482¢	per 100 cubic feet Charge	Total Natural Gas Supply	(I)

The Natural Gas Supply Charge shall include a Merchant Function Charge (Rider G) to recover uncollectible costs associated with purchase gas costs of 1.8032% and the Gas Procurement Charge (Rider H) to recover costs of procuring natural gas pursuant to 52 Pa. Code §62.223. The above non-purchased gas cost rates shall be subject to surcharges in accordance with the provisions of Rider B - State Tax Adjustment Surcharge. Residential rate classes shall be subject to Rider F - LIRA Discount Charge as set forth in this tariff.

RULES AND REGULATIONS

The rules and regulations set forth in this tariff shall govern, where applicable, the supply of gas service under this rate schedule.

(D) Indicates Decrease

(I) Indicates Increase

COMMERCIAL AND PUBLIC AUTHORITY SERVICE RATE SCHEDULE (cont.)

APPLICABILITY

Applicable in all areas served under this tariff.

MONTHLY RATE

For "Small" Commercial/Public Authority Customers using not more than 250,000 cubic feet per year:

Basic Service Charge			
\$27.00 per Month			
Distribution Charges			
27.419¢ per 100 cubic feet			(I)
Gas Adjustment Charge			
(0.479)¢ per 100 cubic feet	Purchased Gas Cost Component		(I)
	(Rider A)		
<u>(0.002)¢</u> per 100 cubic feet	Merchant Function Charge		(I)
	(Rider G)		
(0.481)¢ per 100 cubic feet	Total Gas Adjustment Charge		(I)
Natural Gas Supply Charge			
55.335¢ per 100 cubic feet	Purchased Gas Cost Component		(I)
	(Rider A)		
0.188¢ per 100 cubic feet	Merchant Function Charge		(I)
	(Rider G)		
<u>1.149¢</u> per 100 cubic feet	Gas Procurement Charge (Rider H)		
56.672¢ per 100 cubic feet	Total Natural Gas Supply Charge		(I)

The Natural Gas Supply Charge shall include a Merchant Function Charge (Rider G) to recover uncollectible costs associated with purchase gas costs of 0.3398% and the Gas Procurement Charge (Rider H) to recover costs of procuring natural gas pursuant to 52 Pa. Code §62.223.

The above non-purchased gas cost rates shall be subject to surcharges in accordance with the provisions of Rider B - State Tax Adjustment Surcharge as set forth in this tariff.

(D) Indicates Decrease

(I) Indicates Increase

COMMERCIAL AND PUBLIC AUTHORITY SERVICE RATE SCHEDULE (Cont'd)

For "Small" Commercial/Public Authority Customers using greater than 250,000 cubic feet but not more than 1,000,000 cubic feet per year:

Basic Service Charge			
\$37.00	per Month		
Distribution Charges			
24.980¢	per 100 cubic feet		(I)
Gas Adjustment Charge			
(0.479)¢	per 100 cubic feet	Purchased Gas Cost Component (Rider A)	(I)
<u>(0.002)¢</u>	per 100 cubic feet	Merchant Function Charge (Rider G)	(I)
(0.481)¢	per 100 cubic feet	Total Gas Adjustment Charge	(I)
Natural Gas Supply Charge			
55.335¢	per 100 cubic feet	Purchased Gas Cost Component (Rider A)	(I)
0.188¢	per 100 cubic feet	Merchant Function Charge (Rider G)	(I)
<u>1.149¢</u>	per 100 cubic feet	Gas Procurement Charge (Rider H)	
56.672¢	per 100 cubic feet	Total Natural Gas Supply Charge	(I)

The Natural Gas Supply Charge shall include a Merchant Function Charge (Rider G) to recover uncollectible costs associated with purchase gas costs of 0.3398% and the Gas Procurement Charge (Rider H) to recover costs of procuring natural gas pursuant to 52 Pa. Code §62.223.

The above non-purchased gas cost rates shall be subject to surcharges in accordance with the provisions of Rider B - State Tax Adjustment Surcharge as set forth in this tariff.

(D) Indicates Decrease

(I) Indicates Increase

Commercial and Public Authority Service Rate Schedule (Cont'd)

For "Large" Commercial/Public Authority Customers:

Basic Service Charge	\$151.00	per Month		
Distribution Charges	21.047¢	per 100 cubic feet		(I)
Gas Adjustment Charge	(0.479)¢	per 100 cubic feet	Purchased Gas Cost Component (Rider A)	(I)
	<u>(0.002)¢</u>	per 100 cubic feet	Merchant Function Charge (Rider G)	(I)
	(0.481)¢	per 100 cubic feet	Total Gas Adjustment Charge	(I)
Natural Gas Supply Charge	55.335¢	per 100 cubic feet	Purchased Gas Cost Component (Rider A)	(I)
	0.188¢	per 100 cubic feet	Merchant Function Charge (Rider G)	(I)
	<u>1.149¢</u>	per 100 cubic feet	Gas Procurement Charge (Rider H)	(I)
	56.672¢	per 100 cubic feet	Total Natural Gas Supply Charge	(I)

The Natural Gas Supply Charge shall include a Merchant Function Charge (Rider G) to recover uncollectible costs associated with purchase gas costs of 0.3398% and the Gas Procurement Charge (Rider H) to recover costs of procuring natural gas pursuant to 52 Pa. Code §62.223.

The above non-purchased gas cost rates shall be subject to surcharges in accordance with the provisions of Rider B - State Tax Adjustment Surcharge as set forth in this tariff.

APPLICATION PERIOD

The Application Period shall be the twelve months beginning March 1 of each year.

RULES AND REGULATIONS

The Rules and Regulations set forth in this tariff shall govern, where applicable, the supply of gas service under this rate schedule.

(D) Indicates Decrease

(I) Indicates Increase

1. The purchased gas demand costs applicable to the Residential, Commercial and Public Authority, Small Volume Industrial, Intermediate Volume Industrial, Large Volume Industrial and Large Industrial classes, the "DC", shall be obtained from Rider "A" - Section 1307(f) Purchased Gas Costs.
  
2. The number 12 shall be multiplied by the sum of (a) the volume of gas (expressed in Mcf) purchased from the Company by all Residential, Commercial and Public Authority, Small Volume Industrial, Intermediate Volume Industrial, Large Volume Industrial and Large Industrial customers, during the Company peak Sales Month and (b) the volume of service (expressed in Mcf) to all customers under the "Monthly Volume" provisions of Rate Schedule SB, during the Company Peak Sales Month.
  - (a) "Company Peak Sales Month" is defined as the calendar month within which the Company experienced the System-Wide Peak Sales Day, such month being December, January or February preceding the Section 1307(f) Application Period for which the determination of the rate per Gas BDU is being made.
  - (b) "System-Wide Peak Sales Day" is defined as the day of maximum gas purchased by the Company, including all volumes of gas purchased from the Company throughout its entire system in the states of Pennsylvania and New York.
  
3. The amount determined in Item 1 above shall be divided by the amount determined in Item 2 above to determine the amount included in the rate for recovery of purchased gas costs.
  
4. The rate per Gas BDU shall be the amount for purchased gas demand costs (Item 3).

The current rate per Gas BDU is as follows:

Purchased Gas Demand Cost	\$1.2315/BDU	(I)
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Each time there is a change in the provision for recovery of purchased gas costs pursuant to Rider "A" of this tariff, a recomputation shall be made, under Items 1, 2 and 3, above, of the component to be included in the rate for purchased gas demand costs and the rate per Gas BDU shall be changed accordingly.

(D) Indicates Decrease

(I) Indicates Increase

B. COMMODITY CHARGES FOR SALES AND FOR TRANSPORTATION SERVICE

1. Commodity Charge for Sales Service

The monthly Commodity Charge for Sales Service shall be the product of multiplying the rate per Mcf, determined as provided below, by the volume of gas sold to the Customer by the Company during the applicable billing cycle.

The rate per Mcf shall be determined as follows and shall be \$3.8678 (I)  
per Mcf, subject to revision as provided below:

The current components of the rate are as follows:

Purchased Gas Commodity		
Costs, set forth in Rider "A"	\$3.3112/Mcf	(I)
Non Gas Costs	\$0.5566/Mcf	

a. Determination of Rate per Mcf

The rate per Mcf shall be the sum of:

1. The net amount per Mcf for recovery of the commodity component of purchased gas costs and for recovery or refund of "E" factor amounts, the "PGCC", as determined in Rider "A" - Section 1307(f) Purchased Gas Costs of this tariff; plus
2. The amount of \$0.5566 per Mcf for recovery of non-gas costs.

Each time there is a change in the provision for recovery of purchased gas costs pursuant to Rider "A" of this tariff, a recomputation shall be made of the commodity component of purchased gas costs (Item 1, above) and the rate per Mcf shall be changed accordingly. The component included in the rate for recovery of non-gas costs shall remain constant until changed in accordance with a procedure, other than a proceeding pursuant to Section 1307(f) of the Public Utility Code, 66 Pa.C.S. Section 1307(f).

2. Commodity Charge for Transportation Service

The monthly Commodity Charge for Transportation Service shall be the product of multiplying the rate per Mcf, determined as provided below, by the volume of gas transported by the Company to the Customer's load balancing facilities.

The rate per Mcf for transportation of gas under this rate schedule (I)  
shall be \$1.1366 per Mcf, which includes \$0.5566 for recovery of non-gas costs  
and \$0.5800 for recovery of purchased gas.

(I)

(D) Indicates Decrease

(I) Indicates Increase

SVIS  
Small Volume Industrial Service Rate Schedule (Cont'd)

MONTHLY RATE

Basic Service Charge			
\$82.00	per Month		
Distribution Charges			
25.147¢	per 100 cubic feet		(I)
Gas Adjustment Charge			
(0.479)¢	per 100 cubic feet	Purchased Gas Cost Component (Rider A)	(I)
<u>(0.002)¢</u>	per 100 cubic feet	Merchant Function Charge (Rider G)	(I)
(0.481)¢	per 100 cubic feet	Total Gas Adjustment Charge	(I)
Natural Gas Supply Charge			
55.335¢	per 100 cubic feet	Purchased Gas Cost Component (Rider A)	(I)
0.188¢	per 100 cubic feet	Merchant Function Charge (Rider G)	(I)
<u>1.149¢</u>	per 100 cubic feet	Gas Procurement Charge (Rider H)	
56.672¢	per 100 cubic feet	Total Natural Gas Supply Charge	(I)

The Natural Gas Supply Charge shall include a Merchant Function Charge (Rider G) to recover uncollectible costs associated with purchase gas costs of 0.3398% and the Gas Procurement Charge (Rider H) to recover costs of procuring natural gas pursuant to 52 Pa. Code §62.223.

The above non-purchased gas cost rates shall be subject to surcharges in accordance with the provisions of Rider B - State Tax Adjustment Surcharge.

APPLICATION PERIOD

The Application Period shall be the twelve months beginning March 1 of each year.

RULES AND REGULATIONS

The Rules and Regulations set forth in this tariff shall govern, where applicable, the supply of gas service under this rate schedule.

(D) Indicates Decrease

(I) Indicates Increase

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Issued: January 31, 2024

Effective: August 1, 2024

IVIS  
INTERMEDIATE VOLUME INDUSTRIAL SERVICE RATE SCHEDULE (Cont'd)  
MONTHLY RATE

Basic Service Charge		
\$252.00	per Month	
Distribution Charges		
17.772¢	per 100 cubic feet	(I)
Gas Adjustment Charge		
(0.479)¢	per 100 cubic feet	Purchased Gas Cost Component (I)
		(Rider A)
<u>(0.002)¢</u>	per 100 cubic feet	Merchant Function Charge (I)
		(Rider G)
(0.481)¢	per 100 cubic feet	Total Gas Adjustment Charge (I)
Natural Gas Supply Charge		
55.335¢	per 100 cubic feet	Purchased Gas Cost Component (I)
		(Rider A)
0.188¢	per 100 cubic feet	Merchant Function Charge (I)
		(Rider G)
<u>1.149¢</u>	per 100 cubic feet	Gas Procurement Charge (Rider H)
56.672¢	per 100 cubic feet	Total Natural Gas Supply Charge (I)

The Natural Gas Supply Charge shall include a Merchant Function Charge (Rider G) to recover uncollectible costs associated with purchase gas costs of 0.3398% and the Gas Procurement Charge (Rider H) to recover costs of procuring natural gas pursuant to 52 Pa. Code §62.223.

The above non-purchased gas cost rates shall be subject to surcharges in accordance with the provisions of Rider B - State Tax Adjustment Surcharge as set forth in this tariff.

APPLICATION PERIOD

The Application Period shall be the twelve months beginning March 1 of each year.

RULES AND REGULATIONS

(D) Indicates Decrease

(I) Indicates Increase

Industrial and Large Industrial customers, during the Company peak Sales Month defined in Rate Schedule CPA-LBS and (b) the volumes of service (expressed in Mcf) to all customers under the "Monthly Volume" provisions of Rate Schedule SB, during the Company Peak Sales Month defined in Rate Schedule CPA-LBS.

3. The amount determined in Item 1 above shall be divided by the amount determined in Item 2 above to determine the amount included in the rate for recovery of purchased gas costs.
4. The rate per Gas BDU shall be the amount for purchased gas demand costs (Item 3).

The current rate per Gas BDU is as follows:

Purchased Gas Demand Cost	\$1.2315/BDU	(I)
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Each time there is a change in the provision for recovery of purchased gas costs pursuant to Rider "A" of this tariff, a recomputation shall be made, under Items 1, 2 and 3, above, of the component to be included in the rate for purchased gas demand costs and the rate per Gas BDU shall be changed accordingly.

b. Determination of Customer's Gas BDUs

The Customer's Gas BDUs shall be determined as follows: The actual volumes of gas purchased by the Customer from the Company and used by the Customer in the separately-metered load balancing facilities during such Customer's Peak billing Cycle, as defined hereinafter, shall be multiplied by a fraction. The numerator shall be the number 30. The denominator shall be the number of days of service for which such Customer was billed in such Customer's Peak Billing Cycle.

The Customer's Peak Billing Cycle shall be the single billing cycle of maximum delivery to the Customer's separately-metered load balancing facilities that ended during one of the months of December, January, February and March during the period beginning with the most recently-completed billing cycle ended in December and ending with the current billing cycle.

If the customer used no gas under this rate schedule during the most recently concluded billing cycles ended in December, January, February or March, then the level of Gas BDUs applicable to Customer shall be zero (0).

(D) Indicates Decrease

(I) Indicates Increase

2. Margin Demand Charge

- a. The rate per Margin BDU shall be \$.5122 per Margin BDU.
- b. Determination of Customer's Margin BDUs

The Customer's Margin BDUs shall be determined as follows: The actual deliveries of gas to the Customer by Company, including not only volumes of gas purchased by the Customer from the Company and used by the Customer in the separately-metered load balancing facilities but also volumes of Customer-owned gas transported to the Customer's load balancing facilities through the Company's facilities, during such Customer's Peak billing Cycle, as defined hereinafter, shall be multiplied by a fraction. The numerator shall be the number 30. The denominator shall be the number of days of service for which such Customer was billed in such Customer's Peak Billing Cycle.

The Customer's Peak Billing Cycle shall be the single billing cycle of maximum delivery to the Customer's separately-metered load balancing facilities that ended during one of the months of December, January, February and March during the period beginning with the most recently-completed billing cycle ended in December and ending with the current billing cycle.

If the customer used no gas under this rate schedule during the most recently concluded billing cycles ended in December, January, February or March, then the level of Margin BDUs applicable to Customer shall be zero (0).

B. COMMODITY CHARGES FOR SALES AND FOR TRANSPORTATION SERVICE

1. Commodity Charge for Sales Service

The monthly Commodity Charge for Sales Service shall be the product of multiplying the rate per Mcf, determined as provided below, by the volume of gas sold to the Customer by the Company during the applicable billing cycle.

The rate per Mcf shall be determined as follows and shall be \$3.6920 per (I) Mcf, subject to revision as provided below:

The current components of the rate are as follows:

Purchased Gas Commodity		
Costs, set forth in Rider "A"	\$3.3112/Mcf	(I)
Non Gas Costs	\$0.3808/Mcf	

a. Determination of Rate per Mcf

The rate per Mcf shall be the sum of:

1. The net amount per Mcf for recovery of the commodity component of purchased gas costs and for recovery or refund of "E" factor amounts, the "PGCC", as determined in Rider "A" - Section 1307(f) Purchased Gas Costs of this tariff; plus

(D) Indicates Decrease

(I) Indicates Increase

2. The amount of \$0.3808 per Mcf for recovery of non-gas costs.

Each time there is a change in the provision for recovery of purchased gas costs pursuant to Rider "A" of this tariff, a recomputation shall be made of the commodity component of purchased gas costs (Item 1, above) and the rate per Mcf shall be changed accordingly. The component included in the rate for recovery of non-gas costs shall remain constant until changed in accordance with a procedure, other than a proceeding pursuant to Section 1307(f) of the Public Utility Code, 66 Pa.C.S. Section 1307(f).

2. Commodity Charge for Transportation Service

The monthly Commodity Charge for Transportation Service shall be the product of multiplying the rate per Mcf, determined as provided below, by the volume of gas transported by the Company to the Customer's load balancing facilities.

The rate per Mcf for transportation of gas under this rate schedule shall be \$0.9608 per Mcf, which includes \$0.3808 for recovery of non-gas costs and \$0.5800 for recovery of purchased gas. (I)

V. SURCHARGE

The non-purchased gas cost Demand Charges and the non-purchased gas cost Commodity Charge for Sales Service and the non-purchased gas cost Commodity Charge for Transportation Service shall be subject to surcharges in accordance with provisions of Rider B - State Tax Adjustment Surcharge.

VI. AMOUNTS TO BE INCLUDED IN OVER/UNDERCOLLECTION OF GAS COSTS

Purchased gas cost revenues billed under this rate schedule shall be included as revenues for recovery of gas costs for purposes of computing Factor "E" of Company's 1307(f) rate in accordance with procedures set forth in Rider "A" - Section 1307(f) Purchased Gas Costs.

VII. SPECIAL PROVISIONS

Monthly metered Special Provisions A through J contained in the Company's Rate Schedule for Transportation Service shall apply to transportation service under this rate schedule.

VIII. RULES AND REGULATIONS

The rules and regulations set forth in this tariff shall govern, where applicable, the supply of gas service under this rate schedule.

(D) Indicates Decrease

(I) Indicates Increase

LVIS

Large Volume Industrial Service (Cont'd)

- C. An Industrial Customer, for which the Company estimates that the total volumes of gas purchased from the Company or transported by the Company during the next succeeding twelve months will be not less than 50,000 Mcf, if the Industrial Customer has used total volumes of gas in at least one billing month of not less than 4,167 Mcf, even if the Customer disagrees with the Company's estimate.
- D. An Industrial Customer for which the Company estimates that total volumes of gas to be used by the customer during the next succeeding twelve months will not be less than 50,000 Mcf of gas per year whether the gas is purchased by the Industrial Customer from the Company, delivered by the Company to the Industrial Customer, or obtained by the customer from another source.

An Industrial Customer that meets the above criteria under this rate schedule at the beginning of an Application Period is required to continue to be subject to this rate schedule during all months of such Application Period. An Industrial Customer that meets the above criteria under this rate schedule during an Application Period is required to continue to be subject to this rate schedule during all or remaining months of such Application Period.

MONTHLY RATE

Basic Service Charge			
\$1,023.00	per Month		
Distribution Charges			
14.668¢	per 100 cubic feet		(I)
Gas Adjustment Charge			
(0.479)¢	per 100 cubic feet	Purchased Gas Cost Component (Rider A)	(I)
<u>(0.002)¢</u>	per 100 cubic feet	Merchant Function Charge (Rider G)	(I)
(0.481)¢	Per 100 cubic feet	Total Gas Adjustment Charge	(I)

(D) Indicates Decrease

(I) Indicates Increase

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Issued: January 31, 2024

Effective: August 1, 2024

LVIS  
Large Volume Industrial Service (Cont'd)

Natural Gas Supply Charge				
55.335¢	per 100 cubic feet	Purchased Gas Cost Component	(I)	
		(Rider A)		
0.188¢	per 100 cubic feet	Merchant Function Charge	(I)	
		(Rider G)		
<u>1.149¢</u>	per 100 cubic feet	Gas Procurement		
		Charge (Rider H)		
56.672¢	per 100 cubic feet	Total Natural Gas Supply	(I)	
	Charge			

The Natural Gas Supply Charge shall include a Merchant Function Charge (Rider G) to recover uncollectible costs associated with purchase gas costs of 0.3398% and the Gas Procurement Charge (Rider H) to recover costs of procuring natural gas pursuant to 52 Pa. Code §62.223.

The above non-purchased gas cost rates shall be subject to surcharges in accordance with provisions of Rider B - State Tax Adjustment Surcharge.

RULES AND REGULATIONS

The Rules and Regulations set forth in this tariff shall govern, where applicable, the supply of gas service under this rate schedule.

APPLICABLE PERIOD

The Application Period shall be the twelve months beginning March 1 of each year.

(D) Indicates Decrease

(I) Indicates Increase

Commercial and Public Authority, Small Volume Industrial, Intermediate Volume Industrial, Large Volume Industrial and Large Industrial customers, during the Company Peak Sales Month defined in Rate Schedule CPA-LBS and (b) the volume of service (expressed in Mcf) to all customers under the "Monthly Volume" provisions of Rate Schedule SB, during the Company Peak Sales Month defined in Rate Schedule CPA-LBS.

3. The amount determined in Item 1 above shall be divided by the amount determined in Item 2 above to determine the amount included in the rate for recovery of purchased gas costs.
4. The rate per Gas BDU shall be the amount for purchased gas demand costs (Item 3).

The current rate per Gas BDU is as follows:

Purchased Gas Demand Cost	\$1.2315/BDU	(I)
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Each time there is a change in the provision for recovery of purchased gas costs pursuant to Rider "A" of this tariff, a recomputation shall be made, under Items 1, 2 and 3, above, of the component to be included in the rate for purchased gas demand costs and the rate per Gas BDU shall be changed accordingly.

b. Determination of Customer's Gas BDUs

The Customer's Gas BDUs shall be determined as follows: The actual volumes of gas purchased by the Customer from the Company and used by the Customer in the separately-metered qualifying load balancing facilities during such Customer's Peak billing Cycle, as defined hereinafter, shall be multiplied by a fraction. The numerator shall be the number 30. The denominator shall be the number of days of service for which such Customer was billed in such Customer's Peak Billing Cycle.

The Customer's Peak Billing Cycle shall be the single billing cycle of maximum delivery to the Customer's separately-metered qualifying load balancing facilities that ended during on of the months of December, January, February and March during the period beginning with the most recently-completed billing cycle and ending with the current billing cycle.

If the customer used no gas under this rate schedule during the most recently concluded billing cycles ended in December, January, February or March, then the level of Gas BDUs applicable to Customer shall be zero (0).

(D) Indicates Decrease

(I) Indicates Increase

2. Margin Demand Charge

- a. The rate per Margin BDU shall be \$.3182 per Margin BDU.
- b. Determination of Customer's Margin BDUs

The Customer's Margin BDUs shall be determined as follows: The actual deliveries of gas to the Customer by Company, including not only volumes of gas purchased by the Customer from the Company and used by the Customer in the separately-metered load balancing facilities but also volumes of Customer-owned gas transported to the Customer's load balancing facilities through the Company's facilities, during such Customer's Peak billing Cycle, as defined hereinafter, shall be multiplied by a fraction. The numerator shall be the number 30. The denominator shall be the number of days of service for which such Customer was billed in such Customer's Peak Billing Cycle.

The Customer's Peak Billing Cycle shall be the single billing cycle of maximum delivery to the Customer's separately-metered load balancing facilities that ended during one of the months of December, January, February and March during the period beginning with the most recently-completed billing cycle ended in December and ending with the current billing cycle.

If the customer used no gas under this rate schedule during the most recently concluded billing cycles ended in December, January, February or March, then the level of Margin BDUs applicable to Customer shall be zero (0).

B. COMMODITY CHARGES FOR SALES AND FOR TRANSPORTATION SERVICE

1. Commodity Charge for Sales Service

The monthly Commodity Charge for Sales Service shall be the product of multiplying the rate per Mcf, determined as provided below, by the volume of gas sold to the Customer by the Company during the applicable billing cycle.

The rate per Mcf shall be determined as follows and shall be \$3.5585 per (I) Mcf, subject to revision as provided below:

The current components of the rate are as follows:

Purchased Gas Commodity		
Costs, set forth in Rider "A"	\$3.3112/Mcf	(I)
Non Gas Costs	\$0.2473/Mcf	

a. Determination of Rate per Mcf

The rate per Mcf shall be the sum of:

- 1. The net amount per Mcf for recovery of the commodity component of purchased gas costs and for recovery or refund of "E" factor amounts, the "PGCC", as determined in Rider "A" - Section 1307(f) Purchased Gas Costs of this tariff; plus

D) Indicates Decrease

(I) Indicates Increase

2. The amount of \$0.2473 per Mcf for recovery of non-gas costs.

Each time there is a change in the provision for recovery of purchased gas costs pursuant to Rider "A" of this tariff, a recomputation shall be made of the commodity component of purchased gas costs (Item 1, above) and the rate per Mcf shall be changed accordingly. The component included in the rate for recovery of non-gas costs shall remain constant until changed in accordance with a procedure, other than a proceeding pursuant to Section 1307(f) of the Public Utility Code, 66 Pa.C.S. Section 1307(f).

2. Commodity Charge for Transportation Service

The monthly Commodity Charge for Transportation Service shall be the product of multiplying the rate per Mcf, determined as provided below, by the volume of gas transported by the Company to the Customer's load balancing facilities.

The rate per Mcf for transportation of gas under this rate schedule shall be \$0.8273 per Mcf, which includes \$0.2473 for recovery of non-gas costs and \$0.5800 for recovery of purchased gas. (I)

V. SURCHARGE

The non-purchased gas cost Demand Charges and the non-purchased gas cost Commodity Charge for Sales Service and the non-purchased gas cost Commodity Charge for Transportation Service shall be subject to surcharges in accordance with provisions of Rider B - State Tax Adjustment Surcharge as set forth in this tariff.

VI. AMOUNTS TO BE INCLUDED IN OVER/UNDERCOLLECTION OF GAS COSTS

Purchased gas cost revenues billed under this rate schedule shall be included as revenues for recovery of gas costs for purposes of computing Factor "E" of Company's 1307(f) rate in accordance with procedures set forth in Rider "A" - Section 1307(f) Purchased Gas Costs.

VII. SPECIAL PROVISIONS

Monthly metered Special Provisions A through J contained in the Company's Rate Schedule for Transportation Service shall apply to transportation service under this rate schedule.

VIII. RULES AND REGULATIONS

The rules and regulations set forth in this tariff shall govern, where applicable, the supply of gas service under this rate schedule.

(D) Indicates Decrease

(I) Indicates Increase

LIS

Large Industrial Service (Cont'd)

- C. An Industrial Customer, for which the Company estimates that the total volumes of gas purchased from the Company or transported by the Company during the next succeeding twelve months will be not less than 200,000 Mcf, if the Industrial Customer has used total volumes of gas in at least one billing month of not less than 17,000 Mcf, even if the Customer disagrees with the Company's estimate.

An Industrial Customer that meets the above criteria under this rate schedule at the beginning of an Application Period is required to continue to be subject to this rate schedule during all months of such Application Period. An Industrial Customer that meets the above criteria under this rate schedule during an Application Period is required to continue to be subject to this rate schedule during all or remaining months of such Application Period.

MONTHLY RATE

Basic Service Charge  
\$1,165.00 per Month

Distribution Charges  
10.418¢ per 100 cubic feet (I)

Gas Adjustment Charge			
(0.479)¢ per 100 cubic feet	Purchased Gas Cost Component		(I)
	(Rider A)		
(0.002)¢ per 100 cubic feet	Merchant Function Charge		(I)
	(Rider G)		
(0.481)¢ per 100 cubic feet	Total Gas Adjustment Charge		(I)

(D) Indicates Decrease

(I) Indicates Increase

LIS  
Large Industrial Service (Cont'd)

Natural Gas Supply Charge			
55.335¢ per 100 cubic feet		Purchased Gas Cost Component (Rider A)	(I)
0.188¢ per 100 cubic feet		Merchant Function Charge (Rider G)	(I)
<u>1.149¢</u> per 100 cubic feet		Gas Procurement Charge (Rider H)	
56.672¢ per 100 cubic feet		Total Natural Gas Supply Charge	(I)

The Natural Gas Supply Charge shall include a Merchant Function Charge (Rider G) to recover uncollectible costs associated with purchase gas costs of 0.3398% and the Gas Procurement Charge (Rider H) to recover costs of procuring natural gas pursuant to 52 Pa. Code §62.223.

The above non-purchased gas cost rates shall be subject to surcharges in accordance with provisions of Rider B - State Tax Adjustment Surcharge.

GAS SHORTAGE CURTAILMENT

Service under this schedule to an LIS Industrial Customer is subject to curtailment and excess consumption penalty as set forth in Rule 26 of this tariff.

RULES AND REGULATIONS

The rules and regulations set forth in this tariff shall govern, where applicable, the supply of gas service under this rate schedule.

(D) Indicates Decrease

(I) Indicates Increase

LBS and (b) volume of service (expressed in Mcf) to all customers under the "Monthly Volume" provisions of Rate Schedule SB, during the Company Peak Sales Month defined in Rate Schedule CPA-LBS.

3. The amount determined in Item 1 above shall be divided by the amount determined in Item 2 above to determine the amount included in the rate for recovery of purchased gas costs.
4. The rate per Gas BDU shall be the amount for purchased gas demand costs (Item 3).

The current rate per Gas BDU is as follows:

Purchased Gas Demand Cost	\$1.2315/BDU	(I)
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Each time there is a change in the provision for recovery of purchased gas costs pursuant to Rider "A" of this tariff, a recomputation shall be made, under Items 1, 2 and 3, above, of the component to be included in the rate for purchased gas demand costs and the rate per Gas BDU shall be changed accordingly.

b. Determination of Customer's Gas BDUs

The Customer's Gas BDUs shall be determined as follows: The actual volumes of gas purchased by the Customer from the Company and used by the Customer in the separately-metered load balancing facilities during such Customer's Peak billing Cycle, as defined hereinafter, shall be multiplied by a fraction. The numerator shall be the number 30. The denominator shall be the number of days of service for which such Customer was billed in such Customer's Peak Billing Cycle.

The Customer's Peak Billing Cycle shall be the single billing cycle of maximum delivery to the Customer's separately-metered load balancing facilities that ended during one of the months of December, January, February and March during the period beginning with the most recently-completed billing cycle ended in December and ending with the current billing cycle.

If the customer used no gas under this rate schedule during the most recently concluded billing cycles ended in December, January, February or March, then the level of Gas BDUs applicable to Customer shall be zero (0).

(D) Indicates Decrease

(I) Indicates Increase

2. Margin Demand Charge

a. The rate per Margin BDU shall be \$.2517 per Margin BDU.

b. Determination of Customer's Margin BDUs

The Customer's Margin BDUs shall be determined as follows: The actual deliveries of gas to the Customer by Company, including not only volumes of gas purchased by the Customer from the Company and used by the Customer in the separately-metered load balancing facilities but also volumes of Customer-owned gas transported to the Customer's load balancing facilities through the Company's facilities, during such Customer's Peak billing Cycle, as defined hereinafter, shall be multiplied by a fraction. The numerator shall be the number 30. The denominator shall be the number of days of service for which such Customer was billed in such Customer's Peak Billing Cycle.

The Customer's Peak Billing Cycle shall be the single billing cycle of maximum delivery to the Customer's separately-metered load balancing facilities that ended during one of the months of December, January, February and March during the period beginning with the most recently-completed billing cycle ended in December and ending with the current billing cycle.

If the customer used no gas under this rate schedule during the most recently concluded billing cycles ended in December, January, February or March, then the level of Margin BDUs applicable to Customer shall be zero (0).

B. COMMODITY CHARGES FOR SALES AND FOR TRANSPORTATION SERVICE

1. Commodity Charge for Sales Service

The monthly Commodity Charge for Sales Service shall be the product of multiplying the rate per Mcf, determined as provided below, by the volume of gas sold to the Customer by the Company during the applicable billing cycle.

The rate per Mcf shall be determined as follows and shall be \$3.5036 per (I) Mcf, subject to revision as provided below:

The current components of the rate are as follows:

Purchased Gas Commodity		
Costs, set forth in Rider "A"	\$3.3112/Mcf	(I)
Non Gas Costs	\$0.1924/Mcf	

a. Determination of Rate per Mcf

The rate per Mcf shall be the sum of:

(D) Indicates Decrease

(I) Indicates Increase

1. The net amount per Mcf for recovery of the commodity component of purchased gas costs and for recovery or refund of "E" factor amounts, the "PGCC", as determined in Rider "A" - Section 1307(f) Purchased Gas Costs of this tariff; plus

2. The amount of \$.1924 per Mcf for recovery of non-gas costs.

Each time there is a change in the provision for recovery of purchased gas costs pursuant to Rider "A" of this tariff, a recomputation shall be made of the commodity component of purchased gas costs (Item 1, above) and the rate per Mcf shall be changed accordingly. The component included in the rate for recovery of non-gas costs shall remain constant until changed in accordance with a procedure, other than a proceeding pursuant to Section 1307(f) of the Public Utility Code, 66 Pa.C.S. Section 1307(f).

2. Commodity Charge for Transportation Service

The monthly Commodity Charge for Transportation Service shall be the product of multiplying the rate per Mcf, determined as provided below, by the volume of gas transported by the Company to the Customer's load balancing facilities.

The rate per Mcf for transportation of gas under this rate schedule shall be \$0.7724 per Mcf, which includes \$0.1924 for recovery of non-gas costs and \$0.5800 for recovery of purchased gas. (I)

V. SURCHARGE (I)

The non-purchased gas cost Demand Charges and the non-purchased gas cost Commodity Charge for Sales Service and the non-purchased gas cost Commodity Charge for Transportation Service shall be subject to surcharges in accordance with provisions of Rider B - State Tax Adjustment Surcharge as set forth in this tariff.

VI. AMOUNTS TO BE INCLUDED IN OVER/UNDERCOLLECTION OF GAS COSTS

Purchased gas cost revenues billed under this rate schedule shall be included as revenues for recovery of gas costs for purposes of computing Factor "E" of Company's 1307(f) rate in accordance with procedures set forth in Rider "A" - Section 1307(f) Purchased Gas Costs.

VII. SPECIAL PROVISIONS

Monthly metered Special Provisions A through J contained in the Company's Rate Schedule for Transportation Service shall apply to transportation service under this rate schedule.

VIII. RULES AND REGULATIONS

The rules and regulations set forth in this tariff shall govern, where applicable, the supply of gas service under this rate schedule.

(D) Indicates Decrease

(I) Indicates Increase

RATE SCHEDULE - NGV

NATURAL GAS VEHICLE SERVICE

I. APPLICABILITY

Throughout the territory served under this tariff.

II. AVAILABILITY

Sales Service under this rate schedule is available for use of natural gas by a customer directly in a natural gas motor vehicle ("NGV").

III. NATURE OF SERVICE

Service provided in this rate schedule shall be firm service subject to the curtailment priorities of Rule 26. For curtailment purposes, service under this rate schedule shall be defined as curtailment priority number (6), firm large noncritical commercial and industrial requirements other than requirement for boiler fuel use.

IV. RATE

Rates per 100 cu. Ft. shall be established by the Company on the first day of each calendar month for each of the categories set forth below to compete with alternative vehicle fuels. The rates shall not be less than the 100% load factor base cost of gas, plus the take-or-pay surcharge, plus the surcharge for Transition Cost, plus the incremental operating cost incurred by the Company for operating Company owned NGV compression equipment on a per Ccf basis, if any, plus \$0.01 per cu. ft., plus the state tax adjustment surcharge, and not more than the tailblock rate of the Commercial and Public Authority Service Rate Schedule, including all applicable surcharges, plus the incremental operating cost incurred by the Company for operating Company owned NGV compression equipment on a per Ccf basis, if any.

The 100% load factor base cost of gas shall be \$0.26631 per 100 cu. ft. (I)  
(as calculated by adding the purchase gas components of the Load Balancing Service Rates).

Purchased Gas 100% Load Factor Demand Cost	\$0.12315/Ccf	(I)
plus		
Purchased Gas Commodity Cost	<u>\$0.33112/Ccf</u>	(I)
Equals		
100% Load Factor Base Cost of Gas	\$0.45427/Ccf	(I)

The incremental operating cost for compression shall be \$0.13436/Ccf.

(D) Indicates Decrease

(I) Indicates Increase

ADDENDUM TO

NATIONAL FUEL GAS  
DISTRIBUTION CORPORATION

Supplement No. 269 to  
Gas - Pa. P.U.C. No. 9  
One-Hundred-Twenty-Sixth Revised Page No. 83  
Canceling One-Hundred-Twenty-Fifth Revised Page No. 83

Natural gas vehicle customers are classified into the following categories:

NGV(1) All natural gas vehicle customers utilizing Company owned filling facilities. A uniform rate shall be established each month within the parameters set forth above, for customers utilizing Company-owned filling facilities.

The minimum NGV(1) rate shall be: \$0.59863/Ccf (I)

The current components of the minimum NGV(1) rate are as follows:

100% load factor base cost of gas:	\$0.45427/Ccf	(I)
Incremental operating cost of Company owned NGV compression equipment:	\$0.13436/Ccf	
Transition Cost Surcharge	\$0.00000/Ccf	
State Tax Adjustment Surcharge	\$0.00000/Ccf	
Minimum allowable Non-Gas cost	\$0.01000/Ccf	

The maximum NGV(1) rate shall be: \$0.90674/Ccf (I)

The current components of the maximum NGV(1) rate are as follows:

Tailblock rate of the Commercial and Public Authority Service Rate schedule:	\$0.77238/Ccf	(I)
Incremental operating cost of Company owned NGV compression equipment:	\$0.13436/Ccf	
State Tax Adjustment Surcharge	\$0.00000/Ccf	

NGV(2) Natural gas vehicle customers utilizing customer owned filling facilities. A uniform rate will be established each month within the parameters set forth above, to customers utilizing customer owned filling facilities.

The minimum NGV(2) rate shall be: \$0.46427/Ccf (I)

The current components of the minimum NGV(2) rate are as follows:

100% load factor base cost of gas:	\$0.45427/Ccf	(I)
Transition Cost Surcharge	\$0.00000/Ccf	
State Tax Adjustment Surcharge	\$0.00000/Ccf	
Minimum allowable Non-Gas cost	\$0.01000/Ccf	

The maximum NGV(2) rate shall be: \$0.77238/Ccf (I)

(D) Indicates Decrease

(I) Indicates Increase

Issued: January 31, 2024

Effective: August 1, 2024

The current components of the maximum NGV(2) rate are as follows:

Tailblock rate of the Commercial and Public Authority Service Rate schedule:	\$0.77238 /Ccf (I)
State Tax Adjustment Surcharge	\$0.00000/Ccf

V. SURCHARGE

All non-purchased gas cost charges under this rate schedule will be subject to surcharges in accordance with provisions of Rider B - State Tax Adjustment Surcharge as set forth in this tariff.

VI. AMOUNTS TO BE INCLUDED IN OVER/UNDERCOLLECTION OF GAS COSTS

Purchased gas cost revenues billed under this rate schedule shall be included as revenues for recovery of gas costs for purposes of computing Factor "E" of Company's 1307(f) rate in accordance with procedures set forth in Rider "A" - section 1307(f) Purchased Gas Costs. Purchased gas cost revenues recovered under this rate schedule shall be the 100% load factor base cost of gas as defined above.

VII. RULES AND REGULATIONS

The rules and regulations set forth in this tariff shall govern, where applicable, the supply of gas service under this rate schedule.

(D) Indicates Decrease

(I) Indicates Increase

RATE SCHEDULE PSB

PRIORITY STANDBY SERVICE

APPLICABILITY

Throughout the territory served under this tariff.

AVAILABILITY OF SERVICE

Service under this rate schedule is available to all customers under the Residential, Commercial and Public Authority, and SVIS Rate Schedules which enter into a contract for service under this Rate Schedule. A customer will be permitted to enter into a contract, prepared by the Company, for service under this rate schedule, however, only if the Company projects that sufficient volumes of gas will be available to the Company during the period of the customer's contract for Priority Standby Service.

Service under this rate schedule is mandatory for all customers categorized as Priority 1 under the curtailment priorities of Rule 26 who enter into contracts with the Company to receive Transportation Service and who do not have dual or alternate fuel equipment on site which is installed and operable with sufficient amounts of alternate fuel available on site during each winter period of each year commencing on December 1 and ending on March 31 of the following year. Service under this rate schedule is voluntary for all other customers.

NATURE OF SERVICE

Priority standby service shall permit the customer to purchase gas on a firm basis subject to curtailment priorities of Rule 26. The Company will take all reasonable steps to obtain or to maintain gas supplies sufficient to enable the Company to provide reasonably continuous service to each Customer receiving Priority Standby Service.

MONTHLY RATE

The monthly rate shall be \$1.3432 per Mcf, which shall be applied to the total monthly volumes transported by the customer during the month. (I)

The rate shall equal the PGDC portion of the commodity rate applicable to the corresponding sales rate classification.

(D) Indicates Decrease

(I) Indicates Increase

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Issued: January 31, 2024

Effective: August 1, 2024

MONTHLY RATE

The monthly rate shall be \$0.6326 per Mcf, which shall be applied to the (I) Monthly Volume, as defined below.

MONTHLY VOLUME

The Mcf volume of gas to which the Monthly Rate set forth above shall be applied, shall be determined for each billing cycle, as set forth below;

1. The volume of gas specified in the Service Agreement under this rate schedule shall be adjusted for each billing cycle by, multiplying such volume, expressed in Mcf, by a fraction. The numerator of the fraction shall be the number of days in the billing cycle applicable to the customer and the denominator shall be thirty (30).
2. If the volume determined under item 1, above, is greater than the sum of the Mcf volume of gas purchased by the customer under rate schedules other than load balancing rate schedules during the billing cycle, the Monthly Rate shall be applied to the difference between: (a) the volume determined under item 1, above, and (b) the Mcf volume of gas purchased by the customer under the rate schedules other than load balancing rate schedules during such billing cycle.
3. If the volume determined under item 1, above, is equal to or less than the Mcf volume of gas purchased by the customer under rate schedules other than load balancing rate schedules during the billing cycle, then the Monthly Volume shall be zero (0) Mcf.

(D) Indicates Decrease

(I) Indicates Increase

RATE SCHEDULE FOR MONTHLY METERED TRANSPORTATION SCHEDULE (cont'd)

MONTHLY RATES

Commodity Rates

The commodity rates set forth below contain a component, presently \$0.5800 per Mcf, for recovery of purchased gas costs.

For transportation of gas to Residential Customers, the monthly rate for transportation of gas both within and outside the Commonwealth of Pennsylvania shall be:

\$3.5411 Mcf (I)

For transportation of gas to Commercial and Public Authority Customers, the monthly rate for transportation of gas produced within the Commonwealth of Pennsylvania shall be:

\$2.8794 per Mcf for Small Commercial/Public Authority using not more than 250 Mcf per year (I)

\$2.6355 per Mcf for Small Commercial/Public Authority using greater than 250 Mcf but not more than 1,000 Mcf per year (I)

\$2.2422 per Mcf for Large Commercial/Public Authority (I)

For transportation of gas to Commercial and Public Authority Customers, the monthly rate for transportation of gas produced outside the Commonwealth of Pennsylvania shall be:

\$2.8794 per Mcf for Small Commercial/Public Authority using not more than 250 Mcf per year (I)

\$2.6355 per Mcf for Small Commercial/Public Authority using greater than 250 Mcf but not more than 1,000 Mcf per year (I)

\$2.2422 per Mcf for Large Commercial/Public Authority (I)

For transportation of gas to Small Volume Industrial Customers, the monthly rate for transportation of gas produced within the Commonwealth of Pennsylvania shall be:

\$2.6522 per Mcf for SVIS Customers (I)

For transportation of gas to Small Volume Industrial Customers, the monthly rate for transportation of gas produced outside the Commonwealth of Pennsylvania shall be:

\$2.6522 per Mcf for SVIS Customers (I)

(D) Indicates Decrease

(I) Indicates Increase

RATE SCHEDULE FOR MONTHLY METERED TRANSPORTATION SCHEDULE (cont'd)

For transportation of gas to Intermediate Volume Industrial Customers, the monthly rate for transportation of gas produced within the Commonwealth of Pennsylvania shall be:  
\$1.9147 per Mcf for IVIS Customers (I)

For transportation of gas to Intermediate Volume Industrial Customers, the monthly rate for transportation of gas produced outside the Commonwealth of Pennsylvania shall be:  
\$1.9147 per Mcf for IVIS Customers (I)

For transportation of gas to Large Volume Industrial Customers and any entity that is not a Gas Service Customer, the monthly rate for transportation of gas produced within the Commonwealth of Pennsylvania shall be:  
\$1.6043 per Mcf (I)

For transportation of gas to Large Volume Industrial Customers and any entity that is not a Gas Service Customer, the monthly rate for transportation of gas produced outside the Commonwealth of Pennsylvania shall be:  
\$1.6043 per Mcf (I)

For transportation of gas to Large Industrial Customers, the monthly rate for transportation of gas produced within the Commonwealth of Pennsylvania shall be:  
\$1.1793 per Mcf (I)

For transportation of gas to Large Industrial Customers, the monthly rate for transportation of gas produced outside the Commonwealth of Pennsylvania shall be:  
\$1.1793 per Mcf (I)

Provided, however, that the Company, in its sole discretion, may reduce by contract the portion of the above rates applicable to the Customer that are for recovery of gas or the portion of the rate for recovery of non-gas costs of service if it is reasonably necessary to do so to meet competition from another supplier of energy including gas from another supplier of gas that has constructed, or could construct, facilities to deliver supplies of gas to a MMT Customer of the Company without use of the Company's facilities or another transportation of gas. The Company may also reduce or eliminate the compensation for line losses provided for in Special Provisions paragraph B of this rate schedule in order to meet the competitive circumstances for alternate fuels or bypass situations cited above excluding competition from other Pennsylvania local distribution companies. The Company will reduce the applicable rate only if:

- (a) Either (1) the MMT Customer has facilities in place and operable to use an alternative fuel or obtain gas from an alternative supplier or (2) in the Company's judgment, such facilities would be constructed;

(D) Indicates Decrease

(I) Indicates Increase

E. In the event of interruption or curtailment of transportation service, pursuant to items C and D, above, and during such period of interruption or curtailment, the MMT Customer must sell to the Company all or a portion of the MMT Customer's supply of gas at the higher of (1) the Transportation Service Customer's cost of purchased gas at the point of delivery to the Company or (2) the Company's average cost of purchased gas per Mcf, as determined based upon the Company's Section 1307(f) Rate, which is \$5.9879. (I)

F. If for any reason (including the default of an MMNGS Supplier), the MMNGS Supplier fails to provide sufficient daily deliveries of natural gas supplies to meet the MMT Customers DDQ pursuant to the terms of MMNGS supply service, and/or MMT Customer's MMNGS Supplier does not provide complete compensation to the Company for services provided under Rate Schedule MMNGS, Special Provision D.3, the Company shall charge the MMT Customer for the deficient daily deliveries under the applicable gas sales rate schedule plus applicable surcharge as set forth in Rate Schedule SB Special Provisions.

(D) Indicates Decrease

(I) Indicates Increase

E. In the event of interruption or curtailment of transportation service, pursuant to items C and D, above, and during such period of interruption or curtailment, the DMT Service Customer must sell to the Company all or a portion of the DMT Service Customer's supply of gas at the higher of (1) the Transportation Service Customer's cost of purchased gas at the point of delivery to the Company or (2) the Company's average cost of purchased gas per Mcf, as determined based upon the Company's Section 1307(f) Rate, which is \$5.9879. (I)

F. If a Gas Service Customer receiving gas transported by the Company uses less than the amount of gas delivered into the Company's system for transportation to such Customer ("excess deliveries"), the Gas Service Customer receiving gas transported by the Company may use such gas during the banking/balancing period defined below, following which the Company shall have the right, but not the obligation, to purchase remaining excess deliveries of gas from the DMT service Customer at a rate equal to the lowest of (1) the cost at which it was acquired by the DMT Service Customer, including pipeline transportation charges, or (2) the Company's average commodity delivered cost of gas to National Fuel Gas Supply Corporation, or (3) the Company's average commodity cost of locally produced gas during the month when excess deliveries were received by the Company. The cost at which the DMT Service Customer acquired the gas will be determined from such Customer's contract with the supplier or by a sworn affidavit setting forth the Customer's cost of gas, including cost of delivery of such gas to the Company's system. Upon request by the Company, the DMT Service Customer will be required to furnish to the Company the DMT service Customer's choice of (1) a copy of this contract or (2) an affidavit. The banking/balancing period shall be the three billing months after the billing month in which the Company received excess deliveries in behalf of the Customer.

G. "Underdeliveries" are volumes of gas taken from the Company by a Gas Service Customer in excess of the sum of (1) any excess deliveries of the customer at the beginning of the day and (2) the volume of gas delivered to the Company for the customer's account, after adjustment for line losses less volumes of volumes of gas determined to be sales by the Company to the customer. Cumulative underdeliveries, as determined each day, in excess of two percent of the volume of gas delivered by the Company to the customer that day, shall be a sale of gas by the Company to the customer under the applicable rate schedule plus applicable surcharges as set forth in Rate Schedule SB Special Provisions and shall not be recharacterized as transportation service under any circumstances. Cumulative underdeliveries of not more than two percent of the volume of gas delivered to a customer by the Company on any day may be offset by volumes of gas delivered to the Company for the customer's account, after adjustment for line losses, in excess of the volume of gas taken by the customer from the Company on subsequent days within the same billing month.

(D) Indicates Decrease

(I) Indicates Increase

RATE SCHEDULE SATC  
SMALL AGGREGATION TRANSPORTATION CUSTOMER SERVICE (Cont'd)

RATES AND CHARGES

A. Customer Transportation Service Rates

The Company will provide transportation services to deliver gas supplies to the SATC Customer(s). The Customer shall be billed the charges for the transportation services rendered for it at the appropriate charges provided herein for which service the SATC Customer qualifies.

The SATC Customer shall pay the following transportation charges for the transportation of gas. The commodity rates set forth below contain a component, presently \$0.04425 per Ccf, for the recovery of purchased gas demand costs and shall be adjusted pursuant to Rider A of the tariff. Such purchased gas costs collected through these rates shall be included as revenues for the recovery of purchased gas costs as specified in Rider A of this tariff. (I)

(D) Indicates Decrease

(I) Indicates Increase

RATE SCHEDULE SATC  
SMALL AGGREGATION TRANSPORTATION CUSTOMER SERVICE (Cont.)

1. Residential Transportation Rates

SATC Customers that meet the qualifications under the Residential Service Rate Schedule classification:

Rates per Residential SATC Customer per Month:

\$14.00	Basic Service Charge	
\$0.34036	per 100 cubic feet (I)	(I)

2. Commercial and Public Authority Transportation Rates

SATC Customers that meet the qualifications under the Commercial and Public Authority Service Rate Schedule classification:

a. Rates per Commercial/Public Authority customer per month for "Small" Commercial/Public Customers using not more than 250,000 cubic feet per year:

\$27.00	Basic Service Charge	
\$0.27419	per 100 cubic feet	(I)

b. Rates per Commercial/Public Authority customer per month for "Small" Commercial/Public Customers using greater than 250,000 cubic feet but not more than 1,000,000 cubic feet per year:

\$37.00	Basic Service Charge	
\$0.24980	per 100 cubic feet	(I)

c. Rates per Commercial/Public Authority customer per month for "Large" Commercial/Public Customers:

\$151.00	Basic Service Charge	
\$0.21047	per 100 cubic feet	(I)

(D) Indicates Decrease

(I) Indicates Increase

RATE SCHEDULE SATC  
SMALL AGGREGATION TRANSPORTATION CUSTOMER SERVICE (Cont.)

3. Small Volume Industrial Service Transportation Rates

SATC Customers that meet the qualifications under the Small Volume Industrial Service Rate Schedule classification:

Rates per Small Volume Industrial Service SATC Customer per Month:

\$82.00	Basic Service Charge	
\$0.25147	per 100 cubic feet	(I)

4. Intermediate Volume Industrial Service Transportation Rates

SATC Customers that meet the qualifications under the Intermediate Volume Industrial Service Rate Schedule classification:

Rates per Intermediate Volume Industrial Service SATC Customer per Month:

\$252.00	Basic Service Charge	
\$0.17772	per 100 cubic feet	(I)

B. Miscellaneous Customer Surcharges

1. Residential rate classes shall be subject to surcharges in accordance with Rider F - LIRA Discount Charge as set forth in this tariff.

2. The above non-purchased gas cost SATC rates shall be subject to surcharges in accordance with provisions of Rider B - State Tax Adjustment Surcharge.

(C) Indicates Change

(D) Indicates Decrease

(I) Indicates Increase

RATE SCHEDULE SATS  
SMALL AGGREGATION TRANSPORTATION SUPPLIER SERVICE (Cont.)

C. Total Upstream Capacity Requirements for SATS Suppliers

SATS Suppliers shall be required to provide sufficient firm pipeline transportation and storage capacity to meet the estimated extreme day requirements of their SATC Customer groups as further described below. The SATS Suppliers' estimated extreme day requirements of their SATC Customer Group used for Supplier capacity allocations and requirements shall be based on a sixty-two (62) degree day extreme peak day calculation. The Company shall utilize peaking and temperature swing storage capacity retained by the Company and recovered through SATC rates to provide for any variances between actual and forecasted usage and for any peak delivery requirements for days colder than sixty-two (62) degree days.

Such sufficient pipeline transportation and storage capacity shall be provided through the following means:

1. Released ESS Storage Capacity and Associated EFT Capacity

a. Requirements To Be Met Through ESS Storage

55% of extreme peak day requirements shall be provided through the Company's ESS storage and associated EFT transportation capacity on NFGSC. Such NFGSC Storage and transmission capacity shall be released to SATS Suppliers at the maximum rate under the pipeline's FERC gas tariff. (I)

b. Initial Assignment of ESS Storage Capacity

In a month a SATS Supplier begins to serve SATC customers, it shall be provided with an initial assignment of storage capacity, based on the percentage set forth at C.1.a. above, to meet the Supplier's requirements for the upcoming winter period. Approximately fifteen days prior to the close of nominations for the month, the Company will calculate the quantity of storage capacity released to match the SATS Supplier's winter requirements based on the number of SATC Customers aggregated by the Supplier. If the initial assignment takes place in a month other than April, the Company will transfer storage gas to the Supplier pursuant to C.1.c below. The SATS Supplier shall be responsible for all taxes and pipeline fees associated with moving or transferring the storage gas to the Company.

(D) Indicates Decrease

(I) Indicates Increase

RATE SCHEDULE SATS  
SMALL AGGREGATION TRANSPORTATION SUPPLIER SERVICE (Cont.)

c. Additional Assignments of ESS Storage Capacity

Approximately fifteen days prior to the close of nominations for each month, the Company will recalculate the quantity of storage capacity released to match the SATS Supplier's revised winter requirements based on the number of SATC Customers aggregated by the Supplier. If additional SATC Customers join a SATS Supplier's SATC Customer Group, the Company will release additional capacity as required, based on the percentage set forth at C.1.a. above. In addition, the SATS Supplier will be required to pay the Company for storage gas transferred and all taxes and pipeline fees associated with moving or transferring the storage gas to the Supplier. The storage gas transfer rate shall be the sum of (1) the higher of the Company's average cost of gas based upon the Company's Section 1307f rate, or the DMI for the first day of month in which gas is transferred plus all transportation costs to the Company's City Gate, plus (2) the demand Transfer Recovery Rate ("DTR Rate"). The DTR rate shall equal the per Mcf System Average Unrecovered Demand Charge revenue beginning in the month of April through the initial month that storage capacity is released to the Supplier. The System Average Unrecovered demand Charge Revenue shall equal the sum of the differences between the average demand charge revenues and the average fixed demand costs beginning the month of April through the initial month that storage capacity is released to the Supplier.

The DTR by month shall be as follows:

Capacity Transfer <u>Month</u>	DTR <u>\$/Mcf</u>	
April	\$0.00	
May	\$0.00	
June	\$0.00	
July	\$0.00	
August	\$0.00	
September	\$0.00	
October	\$0.00	
November	\$0.64	(I)
December	\$1.05	(I)
January	\$0.94	(I)
February	\$0.49	(I)
March	\$0.00	

(D) Indicates Decrease

(I) Indicates Increase

RATE SCHEDULE SATS  
SMALL AGGREGATION TRANSPORTATION SUPPLIER SERVICE (Cont.)

2. Released Transmission Capacity Not Included in SATC  
Transportation Rates

45% of extreme peak day requirements is to be provided by the release of pipeline capacity upstream of NFGSC and the release of associated EFT transportation capacity on NFGSC which is not included in transportation rates. All such capacity shall be released to SATS Suppliers, and SATS Suppliers shall take such released capacity, at the maximum rate under the pipeline's FERC gas tariff. The actual pipeline capacity path upstream of NFGSC to be released to the Supplier by the Company shall be designated by the Company from its available capacity. The Company will attempt to accommodate a Supplier's request for particular capacity on a first-come first-serve basis. (D)

As an alternative to the above, the Company may designate an alternative capacity path(s) from its available capacity. The capacity release rate for the pipeline capacity path released to the Supplier shall be \$7.0946/Dth which equals the weighted average demand cost of upstream capacity, however, capacity released on NFGSC will be released at the maximum rate under NFGSC's FERC gas tariff. The Company will post a listing of the alternative capacity path(s) designated, including the associated quantity of capacity, on its web site. (D)

For capacity termination notices, prior to the termination notice date of any capacity contract in this Section C.2., the Company will issue a request for proposals to qualified Suppliers under this tariff to determine if the Company should terminate, renew, or replace such contract, in whole or in part. The Company will terminate a proportionate share of the capacity contract if: (1) Suppliers demonstrate that they will provide comparable firm capacity to serve the Company's core customers, (2) the Suppliers agree to assign such comparable capacity at the contracted price to the Company upon Company request if such capacity is required to meet supply requirements of SATC Customers due to the termination of the SATS Supplier pursuant to Section H.1. or if the Supplier has reduced the level of delivery requirements from the previous periods requirements, and 3) the Commission approves such comparable capacity. Comparable capacity must have firm rights for at least the seven (7) winter months, and such capacity must have primary delivery rights into available primary receipt rights on NFGSC held by the Company. Comparable capacity must have firm capacity rights sufficient in volume and duration (with renewal rights) to serve the customers to be served by the SATS Supplier. The Company will post a listing of capacity contracts, including the associated quantity of capacity, that it determines to be of critical status on its web site.

(D) Indicates Decrease

(I) Indicates Increase

E. In the event of interruption or curtailment of transportation service, pursuant to items C and D, above, and during such period of interruption or curtailment, the DMLMT Service customer must sell to the Company all or a portion of the DMLMT Service Customer's supply of gas at the higher of (1) the Transportation Service Customer's cost of purchased gas at the point of delivery to the Company or (2) the Company's average cost of purchased gas per Mcf, as determined based upon the Company's Section 1307(f) Rate which is \$5.9879.

(I)

F. If a Gas Service Customer receiving gas transported by the Company uses less than the amount of gas delivered into the Company's system for transportation to such Customer ("excess deliveries"), the Gas Service Customer receiving gas transported by the Company may use such gas during the banking/balancing period defined below, following which the Company shall have the right, but not the obligation, to purchase remaining excess deliveries of gas from the DMLMT Service Customer at a rate equal to the lowest of (1) the cost at which it was acquired by the DMLMT Service Customer, including pipeline transportation charges, or (2) the Company's average commodity delivered cost of gas to National Fuel Gas Supply Corporation, or (3) the Company's average commodity cost of locally-produced gas during the month when excess deliveries were received by the Company. The cost at which the DMLMT Service Customer acquired the gas will be determined from such Customer's contract with the supplier or by a sworn affidavit setting forth the Customer's cost of gas, including cost of delivery of such gas to the Company's system. Upon request by the Company, the DMLMT service Customer will be required to furnish to the Company the DMLMT Service Customer's choice of (1) a copy of this contract or (2) an affidavit. The banking/balancing period shall be the three billing months after the billing month in which the Company received excess deliveries in behalf of the Customer.

G. "Underdeliveries" are volumes of gas taken from the Company by a Gas Service Customer in excess of the sum of (1) any excess deliveries of the customer at the beginning of the day and (2) the volume of gas delivered to the Company for the customer's account, after adjustment for line losses less volumes of gas determined to be sales by the Company to the customer. Cumulative underdeliveries, as determined each day, in excess of two percent of the volume of gas delivered by the Company to the customer that day, shall be a sale of gas by the Company to the customer under the applicable rate schedule plus applicable surcharges as set forth in Rate Schedule SB Special Provisions and shall not be recharacterized as transportation service under any circumstances. Cumulative underdeliveries of not more than two percent of the volume of gas delivered to a customer by the Company on any day may be offset by volumes of gas delivered to the Company for the customer's account, after adjustment for line losses, in excess of the volume of gas taken by the customer from the Company on subsequent days within the same billing month.

(D) Indicates Decrease

(I) Indicates Increase

RIDER A  
SECTION 1307(F) PURCHASED GAS COSTS  
PROVISION FOR RECOVERY OF PURCHASED GAS COSTS

Rates for each Mcf (1,000 cubic feet) of gas supplied under Residential, Low Income Residential Assistance Service, Commercial and Public Authority, Commercial and Public Authority Load Balancing Service ("LBS"), Small Volume Industrial, Intermediate Volume Industrial, Intermediate Volume Industrial LBS, Large Industrial, Large Industrial LBS, Large Volume Industrial, Large Volume Industrial LBS and Natural Gas Vehicle Service rate schedules of this tariff, shall include \$3.3112 per Mcf for recovery of purchased gas commodity costs, calculated in the manner set forth below, pursuant to Section 1307(f) of the Public Utility Code. (I)

Rates for each Mcf (1,000 cubic feet) of gas supplied under Residential, Commercial and Public Authority, Small Volume Industrial Service, Intermediate Volume Industrial, Large Volume Industrial Service, Large Industrial Service and Standby Service rate schedules of this tariff, shall include \$2.1744 per Mcf for recovery of purchased gas demand costs, calculated in the manner set forth below, pursuant to Section 1307(f) of the Public Utility Code. (I)

Rates for each Mcf (1,000 cubic feet) of gas transported under the Small Aggregation Transportation Customer Rate Schedule shall include \$0.4425 per Mcf for the recovery of purchased gas demand costs. (I)

Such rates for gas service shall be increased or decreased, from time to time, as provided by Section 1307(f) of the Public Utility Code and the Commission's regulations, to reflect changes in the level of purchased gas costs.

The amounts per Mcf for recovery of purchased gas costs (commodity and demand) included in rates under each rate schedule of the tariff are as follows:

	<u>Distribution</u>		<u>Gas Adjustment</u>	<u>Natural Gas</u>	
	<u>Total</u>	<u>Charges</u>	<u>Charge</u>	<u>Supply Charge</u>	
Residential	\$5.9281	\$0.4425	\$(0.0479)	\$5.5335	(I)
Low Income Residential Assistance Service	\$5.9281	\$0.4425	\$(0.0479)	\$5.5335	(I)
Commercial/Public Authority	\$5.9281	\$0.4425	\$(0.0479)	\$5.5335	(I)
Small Volume Industrial	\$5.9281	\$0.4425	\$(0.0479)	\$5.5335	(I)
Intermediate Volume Industrial	\$5.9281	\$0.4425	\$(0.0479)	\$5.5335	(I)
Large Volume Industrial	\$5.9281	\$0.4425	\$(0.0479)	\$5.5335	(I)
Large Industrial	\$5.9281	\$0.4425	\$(0.0479)	\$5.5335	(I)
Standby	\$0.6326				(I)
Priority Standby	\$1.3432				(I)
Small Aggregation Transportation Customer Rate Schedule	\$0.4425	\$0.4425			(I)

(I) Indicates Decrease

(I) Indicates Increase

Rider G  
Merchant Function Charge (MFC) Rider

Applicability:

The Merchant Function Charge (MFC) shall be added to the Natural Gas Supply Charge and Gas Adjustment Charge of Residential, LIRAS, Commercial and Public Authority, SVIS, IVIS, LVIS and LIS rate schedules.

Such charges shall be updated quarterly and effective each February 1, May 1, August 1, and November 1 of the year. The charge will also be updated whenever there is a change to the Sales Service Rate Customer Charge, Distribution Charge, Natural Gas Supply Charge or Gas Adjustment Charge.

Calculation of Rate:

For customers receiving service in the Residential classification, the MFC shall equal 1.8032% times the Natural Gas Supply Charge and the Gas Adjustment Clause as calculated for Rider A.

The current Residential MFC Charge is:

Natural Gas Supply Charge per Mcf	\$0.0998	(I)
Gas Adjustment clause (E-Factor) per Mcf	\$(0.0009)	(I)
Total Residential MFC per Mcf	\$0.0989	(I)

For customers receiving service in the Non-Residential classifications, the MFC shall equal 0.3398% times the Natural Gas Supply Charge and Gas Adjustment Clause as calculated for Rider A.

The current Non-Residential MFC Charge is:

Natural Gas Supply Charge per Mcf	\$0.0188	(I)
Gas Adjustment clause (E-Factor) per Mcf	\$(0.0002)	(I)
Total Non-Residential MFC per Mcf	\$0.0186	(I)

(D) Indicates Decrease

(I) Indicates Increase

Issued: January 31, 2024

Effective: August 1, 2024

Rider H  
Gas Procurement Charge (GPC)

APPLICABILITY

Effective June 1, 2013, the Gas Procurement Charge will be included in the Natural Gas Supply Charge of Residential, LIRAS, Commercial and Public Authority, SVIS, IVIS, LVIS and LIS rate schedules.

The charge is designed to recover the costs of procuring natural gas pursuant to 52 Pa. Code §62.223. The natural gas procurement costs included in the GPC charge will only be updated in a base rate case.

The GPC to be included in the Natural Gas Supply Charge shall be \$0.1149 / Mcf and is not reconcilable.

	Residential (¢ per 100 cubic feet)	Non Residential (¢ per 100 cubic feet)	
<b>Price To Compare Component</b>			
Natural Gas Supply Charge			
Purchased Gas Cost Component (Rider A)	55.335	55.335	(I)
Merchant Function Charge associated with Natural Gas Supply Charge (Rider G)	0.998	0.188	(I)
Gas Procurement Charge (Rider H)	<u>1.149</u>	<u>1.149</u>	
Subtotal Natural Gas Supply Charge	57.482	56.672	(I)
Gas Adjustment Charge			
Purchased Gas Cost Component (Rider A)	(0.479)	(0.479)	(I)
Merchant Function Charge associated with Gas Adjustment Charge (Rider G)	<u>(0.009)</u>	<u>(0.002)</u>	(I)
Subtotal Gas Adjustment Charge	(0.488)	(0.481)	(I)
Total Price To Compare	<u>56.994</u>	<u>56.191</u>	(I)

(D) Indicates Decrease

(I) Indicates Increase

**NATIONAL FUEL GAS DISTRIBUTION CORPORATION  
BUFFALO, NEW YORK  
RATES, RULES AND REGULATIONS  
GOVERNING THE FURNISHING  
OF  
NATURAL GAS SERVICE  
IN  
TERRITORY DESCRIBED HEREIN**

Issued: January 31, 2024

Effective: August 1, 2024

D. L. DeCAROLIS, PRESIDENT  
BUFFALO, NEW YORK

This Supplement includes increases and decreases to existing rates.  
See page 2.

LIST OF CHANGES MADE BY THIS TARIFF

INCREASE:

1. Distribution Charge for Residential, Commercial and Public Authority, Small Volume Industrial, Intermediate Volume Industrial, Large Volume Industrial and Large Industrial Service Classes increase.  
Pages 36, 36A, 41, 41A, 42, 53, 55, 65, 66, 76
2. Gas Adjustment Charges increase for Residential, Commercial and Public Authority, Small Volumes Industrial, Intermediate Volume Industrial, and Large Industrial Service  
Pages 36, 41, 41A, 42, 53, 55, 65, 76
3. The Natural Gas Supply Charge for Residential, Commercial and Public Authority, Small Volume Industrial, Intermediate Volume Industrial, Large Volume Industrial and Large Industrial Service Classes increase.  
Pages 36A, 41, 41A, 42, 53, 55, 66 and 76A.
4. Demand Charges for Load Balancing Service increase.  
Pages 48, 61, 72, 79, 82
5. Commodity Charges for Sales Services increase.  
Pages 50, 62, 73, 80
6. Commodity Charges for Transportation Service increase.  
Page 50, 63, 74, 81
7. Components of Natural Gas Vehicle rates increase.  
Pages 83 and 84.
8. Priority Standby Service monthly rate increase.  
Pages 93, 95
9. The price for purchase of gas by Distribution from a transportation service customer in the event of a curtailment or interruption will increase.  
Pages 106, 117 and 146G.
10. Purchased gas costs in Rider A increase.  
Page 147
11. The Price to Compare shown in Rider H increases.  
Page 169.
12. MMT Service Rates increased for Residential, "Small" Commercial/ Public Authority >25,000, "Large" Commercial/ Public Authority, Intermediate Volume Industrial, Large Volume Industrial, and Large Industrial Service Classes.  
Pages 100 and 101

LIST OF CHANGES MADE BY THIS TARIFF

INCREASE:

13. SATC Transportation Service rates increase for Residential and Small Volume Industrial.  
Page 119A, 120, 121
14. Certain Demand Transfer Recovery Rates ("DTR") increase.  
Page 127.
15. SATC Alternative Capacity Release Rate increase.  
Page 131.
16. The Merchant Function Charge in Rider G increase.  
Page 168.

DECREASE:

17. Weighted average demand cost of upstream capacity increases.  
Page 131.

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RESIDENTIAL SERVICE RATE SCHEDULE

RESIDENTIAL CLASSIFICATION

This classification shall include gas supplied for residential purposes such as a private dwelling, apartment house with a single meter supplying four or less dwelling units, separately metered apartments of a multiple dwelling, accessory buildings to dwellings or apartment houses such as garages, except at residences receiving service under Rate Schedule LIRAS for Low Income Residential Assistance Service and other places of residence where gas is used for residential purposes.

Churches and missions (places of worship) shall be entitled to Service under the Residential service rate schedule.

AVAILABILITY OF SERVICE

Gas Service shall be available at one location, except as otherwise provided, for residential customers.

APPLICABILITY

Applicable in all areas served under this tariff.

MONTHLY RATE

Basic Service Charge			
	\$14.00	per Month	
Distribution Charges			
	34.036¢	per 100 cubic feet	(I)
Gas Adjustment Charge			
	(0.479)¢	per 100 cubic feet	Purchased Gas Cost Component (I)
			(Rider A)
	<u>(0.009)¢</u>	per 100 cubic feet	Merchant Function Charge (I)
			(Rider G)
	(0.488)¢	Per 100 cubic feet	Total Gas Adjustment Charge (I)

(D) Indicates Decrease

(I) Indicates Increase

RESIDENTIAL SERVICE RATE SCHEDULE (cont.)

Natural Gas Supply Charge			
55.335¢	per 100 cubic feet	Purchased Gas Cost Component (Rider A)	(I)
0.998¢	per 100 cubic feet	Merchant Function Charge (Rider G)	(I)
<u>1.149¢</u>	per 100 cubic feet	Gas Procurement Charge (Rider H)	
57.482¢	per 100 cubic feet Charge	Total Natural Gas Supply	(I)

The Natural Gas Supply Charge shall include a Merchant Function Charge (Rider G) to recover uncollectible costs associated with purchase gas costs of 1.8032% and the Gas Procurement Charge (Rider H) to recover costs of procuring natural gas pursuant to 52 Pa. Code §62.223. The above non-purchased gas cost rates shall be subject to surcharges in accordance with the provisions of Rider B - State Tax Adjustment Surcharge. Residential rate classes shall be subject to Rider F - LIRA Discount Charge as set forth in this tariff.

RULES AND REGULATIONS

The rules and regulations set forth in this tariff shall govern, where applicable, the supply of gas service under this rate schedule.

(D) Indicates Decrease

(I) Indicates Increase

COMMERCIAL AND PUBLIC AUTHORITY SERVICE RATE SCHEDULE (cont.)

APPLICABILITY

Applicable in all areas served under this tariff.

MONTHLY RATE

For "Small" Commercial/Public Authority Customers using not more than 250,000 cubic feet per year:

Basic Service Charge			
\$27.00	per Month		
Distribution Charges			
27.419¢	per 100 cubic feet		(I)
Gas Adjustment Charge			
(0.479)¢	per 100 cubic feet	Purchased Gas Cost Component (Rider A)	(I)
<u>(0.002)¢</u>	per 100 cubic feet	Merchant Function Charge (Rider G)	(I)
(0.481)¢	per 100 cubic feet	Total Gas Adjustment Charge	(I)
Natural Gas Supply Charge			
55.335¢	per 100 cubic feet	Purchased Gas Cost Component (Rider A)	(I)
0.188¢	per 100 cubic feet	Merchant Function Charge (Rider G)	(I)
<u>1.149¢</u>	per 100 cubic feet	Gas Procurement Charge (Rider H)	
56.672¢	per 100 cubic feet	Total Natural Gas Supply Charge	(I)

The Natural Gas Supply Charge shall include a Merchant Function Charge (Rider G) to recover uncollectible costs associated with purchase gas costs of 0.3398% and the Gas Procurement Charge (Rider H) to recover costs of procuring natural gas pursuant to 52 Pa. Code §62.223.

The above non=purchased gas cost rates shall be subject to surcharges in accordance with the provisions of Rider B - State Tax Adjustment Surcharge as set forth in this tariff.

(D) Indicates Decrease

(I) Indicates Increase

COMMERCIAL AND PUBLIC AUTHORITY SERVICE RATE SCHEDULE (Cont'd)

For "Small" Commercial/Public Authority Customers using greater than 250,000 cubic feet but not more than 1,000,000 cubic feet per year:

Basic Service Charge			
\$37.00	per Month		
Distribution Charges			
24.980¢	per 100 cubic feet		(I)
Gas Adjustment Charge			
(0.479)¢	per 100 cubic feet	Purchased Gas Cost Component (Rider A)	(I)
<u>(0.002)¢</u>	per 100 cubic feet	Merchant Function Charge (Rider G)	(I)
(0.481)¢	per 100 cubic feet	Total Gas Adjustment Charge	(I)
Natural Gas Supply Charge			
55.335¢	per 100 cubic feet	Purchased Gas Cost Component (Rider A)	(I)
0.188¢	per 100 cubic feet	Merchant Function Charge (Rider G)	(I)
<u>1.149¢</u>	per 100 cubic feet	Gas Procurement Charge (Rider H)	
56.672¢	per 100 cubic feet	Total Natural Gas Supply Charge	(I)

The Natural Gas Supply Charge shall include a Merchant Function Charge (Rider G) to recover uncollectible costs associated with purchase gas costs of 0.3398% and the Gas Procurement Charge (Rider H) to recover costs of procuring natural gas pursuant to 52 Pa. Code §62.223.

The above non-purchased gas cost rates shall be subject to surcharges in accordance with the provisions of Rider B - State Tax Adjustment Surcharge as set forth in this tariff.

(D) Indicates Decrease

(I) Indicates Increase

Commercial and Public Authority Service Rate Schedule (Cont'd)

For "Large" Commercial/Public Authority Customers:

Basic Service Charge	\$151.00	per Month		
Distribution Charges	21.047¢	per 100 cubic feet		(I)
Gas Adjustment Charge	(0.479)¢	per 100 cubic feet	Purchased Gas Cost Component (Rider A)	(I)
	<u>(0.002)¢</u>	per 100 cubic feet	Merchant Function Charge (Rider G)	(I)
	(0.481)¢	per 100 cubic feet	Total Gas Adjustment Charge	(I)
Natural Gas Supply Charge	55.335¢	per 100 cubic feet	Purchased Gas Cost Component (Rider A)	(I)
	0.188¢	per 100 cubic feet	Merchant Function Charge (Rider G)	(I)
	<u>1.149¢</u>	per 100 cubic feet	Gas Procurement Charge (Rider H)	
	56.672¢	per 100 cubic feet	Total Natural Gas Supply Charge	(I)

The Natural Gas Supply Charge shall include a Merchant Function Charge (Rider G) to recover uncollectible costs associated with purchase gas costs of 0.3398% and the Gas Procurement Charge (Rider H) to recover costs of procuring natural gas pursuant to 52 Pa. Code §62.223.

The above non-purchased gas cost rates shall be subject to surcharges in accordance with the provisions of Rider B - State Tax Adjustment Surcharge as set forth in this tariff.

APPLICATION PERIOD

The Application Period shall be the twelve months beginning March 1 of each year.

RULES AND REGULATIONS

The Rules and Regulations set forth in this tariff shall govern, where applicable, the supply of gas service under this rate schedule.

(D) Indicates Decrease

(I) Indicates Increase

1. The purchased gas demand costs applicable to the Residential, Commercial and Public Authority, Small Volume Industrial, Intermediate Volume Industrial, Large Volume Industrial and Large Industrial classes, the "DC", shall be obtained from Rider "A" - Section 1307(f) Purchased Gas Costs.
2. The number 12 shall be multiplied by the sum of (a) the volume of gas (expressed in Mcf) purchased from the Company by all Residential, Commercial and Public Authority, Small Volume Industrial, Intermediate Volume Industrial, Large Volume Industrial and Large Industrial customers, during the Company peak Sales Month and (b) the volume of service (expressed in Mcf) to all customers under the "Monthly Volume" provisions of Rate Schedule SB, during the Company Peak Sales Month.
  - (a) "Company Peak Sales Month" is defined as the calendar month within which the Company experienced the System-Wide Peak Sales Day, such month being December, January or February preceding the Section 1307(f) Application Period for which the determination of the rate per Gas BDU is being made.
  - (b) "System-Wide Peak Sales Day" is defined as the day of maximum gas purchased by the Company, including all volumes of gas purchased from the Company throughout its entire system in the states of Pennsylvania and New York.
3. The amount determined in Item 1 above shall be divided by the amount determined in Item 2 above to determine the amount included in the rate for recovery of purchased gas costs.
4. The rate per Gas BDU shall be the amount for purchased gas demand costs (Item 3).

The current rate per Gas BDU is as follows:

Purchased Gas Demand Cost	\$1.2315/BDU	(I)
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Each time there is a change in the provision for recovery of purchased gas costs pursuant to Rider "A" of this tariff, a recomputation shall be made, under Items 1, 2 and 3, above, of the component to be included in the rate for purchased gas demand costs and the rate per Gas BDU shall be changed accordingly.

(D) Indicates Decrease

(I) Indicates Increase

B. COMMODITY CHARGES FOR SALES AND FOR TRANSPORTATION SERVICE

1. Commodity Charge for Sales Service

The monthly Commodity Charge for Sales Service shall be the product of multiplying the rate per Mcf, determined as provided below, by the volume of gas sold to the Customer by the Company during the applicable billing cycle.

The rate per Mcf shall be determined as follows and shall be \$3.8678 (I)  
per Mcf, subject to revision as provided below:

The current components of the rate are as follows:

Purchased Gas Commodity Costs, set forth in Rider "A"	\$3.3112/Mcf	(I)
Non Gas Costs	\$0.5566/Mcf	

a. Determination of Rate per Mcf

The rate per Mcf shall be the sum of:

1. The net amount per Mcf for recovery of the commodity component of purchased gas costs and for recovery or refund of "E" factor amounts, the "PGCC", as determined in Rider "A" - Section 1307(f) Purchased Gas Costs of this tariff;  
plus
2. The amount of \$0.5566 per Mcf for recovery of non-gas costs.

Each time there is a change in the provision for recovery of purchased gas costs pursuant to Rider "A" of this tariff, a recomputation shall be made of the commodity component of purchased gas costs (Item 1, above) and the rate per Mcf shall be changed accordingly. The component included in the rate for recovery of non-gas costs shall remain constant until changed in accordance with a procedure, other than a proceeding pursuant to Section 1307(f) of the Public Utility Code, 66 Pa.C.S. Section 1307(f).

2. Commodity Charge for Transportation Service

The monthly Commodity Charge for Transportation Service shall be the product of multiplying the rate per Mcf, determined as provided below, by the volume of gas transported by the Company to the Customer's load balancing facilities.

The rate per Mcf for transportation of gas under this rate schedule (I)  
shall be \$1.1366 per Mcf, which includes \$0.5566 for recovery of non-gas costs  
and \$0.5800 for recovery of purchased gas.

(I)

(D) Indicates Decrease

(I) Indicates Increase

SVIS  
Small Volume Industrial Service Rate Schedule (Cont'd)

MONTHLY RATE

Basic Service Charge			
\$82.00	per Month		
Distribution Charges			
25.147¢	per 100 cubic feet		(I)
Gas Adjustment Charge			
(0.479)¢	per 100 cubic feet	Purchased Gas Cost Component (Rider A)	(I)
<u>(0.002)¢</u>	per 100 cubic feet	Merchant Function Charge (Rider G)	(I)
(0.481)¢	per 100 cubic feet	Total Gas Adjustment Charge	(I)
Natural Gas Supply Charge			
55.335¢	per 100 cubic feet	Purchased Gas Cost Component (Rider A)	(I)
0.188¢	per 100 cubic feet	Merchant Function Charge (Rider G)	(I)
<u>1.149¢</u>	per 100 cubic feet	Gas Procurement Charge (Rider H)	
56.672¢	per 100 cubic feet	Total Natural Gas Supply Charge	(I)

The Natural Gas Supply Charge shall include a Merchant Function Charge (Rider G) to recover uncollectible costs associated with purchase gas costs of 0.3398% and the Gas Procurement Charge (Rider H) to recover costs of procuring natural gas pursuant to 52 Pa. Code §62.223.

The above non-purchased gas cost rates shall be subject to surcharges in accordance with the provisions of Rider B - State Tax Adjustment Surcharge.

APPLICATION PERIOD

The Application Period shall be the twelve months beginning March 1 of each year.

RULES AND REGULATIONS

The Rules and Regulations set forth in this tariff shall govern, where applicable, the supply of gas service under this rate schedule.

(D) Indicates Decrease

(I) Indicates Increase

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Issued: January 31, 2024

Effective: August 1, 2024

IVIS

INTERMEDIATE VOLUME INDUSTRIAL SERVICE RATE SCHEDULE (Cont'd)  
MONTHLY RATE

Basic Service Charge			
	\$252.00	per Month	
Distribution Charges			
	17.772¢	per 100 cubic feet	(I)
Gas Adjustment Charge			
	(0.479)¢	per 100 cubic feet	Purchased Gas Cost Component (I)
			(Rider A)
	<u>(0.002)¢</u>	per 100 cubic feet	Merchant Function Charge (I)
			(Rider G)
	(0.481)¢	per 100 cubic feet	Total Gas Adjustment Charge (I)
Natural Gas Supply Charge			
	55.335¢	per 100 cubic feet	Purchased Gas Cost Component (I)
			(Rider A)
	0.188¢	per 100 cubic feet	Merchant Function Charge (I)
			(Rider G)
	<u>1.149¢</u>	per 100 cubic feet	Gas Procurement Charge (Rider H)
	56.672¢	per 100 cubic feet	Total Natural Gas Supply Charge (I)

The Natural Gas Supply Charge shall include a Merchant Function Charge (Rider G) to recover uncollectible costs associated with purchase gas costs of 0.3398% and the Gas Procurement Charge (Rider H) to recover costs of procuring natural gas pursuant to 52 Pa. Code §62.223.

The above non-purchased gas cost rates shall be subject to surcharges in accordance with the provisions of Rider B - State Tax Adjustment Surcharge as set forth in this tariff.

APPLICATION PERIOD

The Application Period shall be the twelve months beginning March 1 of each year.

RULES AND REGULATIONS

(D) Indicates Decrease

(I) Indicates Increase

Industrial and Large Industrial customers, during the Company peak Sales Month defined in Rate Schedule CPA-LBS and (b) the volumes of service (expressed in Mcf) to all customers under the "Monthly Volume" provisions of Rate Schedule SB, during the Company Peak Sales Month defined in Rate Schedule CPA-LBS.

3. The amount determined in Item 1 above shall be divided by the amount determined in Item 2 above to determine the amount included in the rate for recovery of purchased gas costs.
4. The rate per Gas BDU shall be the amount for purchased gas demand costs (Item 3).

The current rate per Gas BDU is as follows:

Purchased Gas Demand Cost	\$1.2315/BDU	(I)
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Each time there is a change in the provision for recovery of purchased gas costs pursuant to Rider "A" of this tariff, a recomputation shall be made, under Items 1, 2 and 3, above, of the component to be included in the rate for purchased gas demand costs and the rate per Gas BDU shall be changed accordingly.

b. Determination of Customer's Gas BDUs

The Customer's Gas BDUs shall be determined as follows: The actual volumes of gas purchased by the Customer from the Company and used by the Customer in the separately-metered load balancing facilities during such Customer's Peak billing Cycle, as defined hereinafter, shall be multiplied by a fraction. The numerator shall be the number 30. The denominator shall be the number of days of service for which such Customer was billed in such Customer's Peak Billing Cycle.

The Customer's Peak Billing Cycle shall be the single billing cycle of maximum delivery to the Customer's separately-metered load balancing facilities that ended during one of the months of December, January, February and March during the period beginning with the most recently-completed billing cycle ended in December and ending with the current billing cycle.

If the customer used no gas under this rate schedule during the most recently concluded billing cycles ended in December, January, February or March, then the level of Gas BDUs applicable to Customer shall be zero (0).

(D) Indicates Decrease

(I) Indicates Increase

2. Margin Demand Charge

- a. The rate per Margin BDU shall be \$.5122 per Margin BDU.
- b. Determination of Customer's Margin BDUs

The Customer's Margin BDUs shall be determined as follows: The actual deliveries of gas to the Customer by Company, including not only volumes of gas purchased by the Customer from the Company and used by the Customer in the separately-metered load balancing facilities but also volumes of Customer-owned gas transported to the Customer's load balancing facilities through the Company's facilities, during such Customer's Peak billing Cycle, as defined hereinafter, shall be multiplied by a fraction. The numerator shall be the number 30. The denominator shall be the number of days of service for which such Customer was billed in such Customer's Peak Billing Cycle.

The Customer's Peak Billing Cycle shall be the single billing cycle of maximum delivery to the Customer's separately-metered load balancing facilities that ended during one of the months of December, January, February and March during the period beginning with the most recently-completed billing cycle ended in December and ending with the current billing cycle.

If the customer used no gas under this rate schedule during the most recently concluded billing cycles ended in December, January, February or March, then the level of Margin BDUs applicable to Customer shall be zero (0).

B. COMMODITY CHARGES FOR SALES AND FOR TRANSPORTATION SERVICE

1. Commodity Charge for Sales Service

The monthly Commodity Charge for Sales Service shall be the product of multiplying the rate per Mcf, determined as provided below, by the volume of gas sold to the Customer by the Company during the applicable billing cycle.

The rate per Mcf shall be determined as follows and shall be \$3.6920 per (I) Mcf, subject to revision as provided below:

The current components of the rate are as follows:

Purchased Gas Commodity		
Costs, set forth in Rider "A"	\$3.3112/Mcf	(I)
Non Gas Costs	\$0.3808/Mcf	

a. Determination of Rate per Mcf

The rate per Mcf shall be the sum of:

1. The net amount per Mcf for recovery of the commodity component of purchased gas costs and for recovery or refund of "E" factor amounts, the "PGCC", as determined in Rider "A" - Section 1307(f) Purchased Gas Costs of this tariff; plus

(D) Indicates Decrease

(I) Indicates Increase

2. The amount of \$0.3808 per Mcf for recovery of non-gas costs.

Each time there is a change in the provision for recovery of purchased gas costs pursuant to Rider "A" of this tariff, a recomputation shall be made of the commodity component of purchased gas costs (Item 1, above) and the rate per Mcf shall be changed accordingly. The component included in the rate for recovery of non-gas costs shall remain constant until changed in accordance with a procedure, other than a proceeding pursuant to Section 1307(f) of the Public Utility Code, 66 Pa.C.S. Section 1307(f).

2. Commodity Charge for Transportation Service

The monthly Commodity Charge for Transportation Service shall be the product of multiplying the rate per Mcf, determined as provided below, by the volume of gas transported by the Company to the Customer's load balancing facilities.

The rate per Mcf for transportation of gas under this rate schedule shall be \$0.9608 per Mcf, which includes \$0.3808 for recovery of non-gas costs and \$0.5800 for recovery of purchased gas. (I)

V. SURCHARGE

The non-purchased gas cost Demand Charges and the non-purchased gas cost Commodity Charge for Sales Service and the non-purchased gas cost Commodity Charge for Transportation Service shall be subject to surcharges in accordance with provisions of Rider B - State Tax Adjustment Surcharge.

VI. AMOUNTS TO BE INCLUDED IN OVER/UNDERCOLLECTION OF GAS COSTS

Purchased gas cost revenues billed under this rate schedule shall be included as revenues for recovery of gas costs for purposes of computing Factor "E" of Company's 1307(f) rate in accordance with procedures set forth in Rider "A" - Section 1307(f) Purchased Gas Costs.

VII. SPECIAL PROVISIONS

Monthly metered Special Provisions A through J contained in the Company's Rate Schedule for Transportation Service shall apply to transportation service under this rate schedule.

VIII. RULES AND REGULATIONS

The rules and regulations set forth in this tariff shall govern, where applicable, the supply of gas service under this rate schedule.

(D) Indicates Decrease

(I) Indicates Increase

LVIS

Large Volume Industrial Service (Cont'd)

- C. An Industrial Customer, for which the Company estimates that the total volumes of gas purchased from the Company or transported by the Company during the next succeeding twelve months will be not less than 50,000 Mcf, if the Industrial Customer has used total volumes of gas in at least one billing month of not less than 4,167 Mcf, even if the Customer disagrees with the Company's estimate.
- D. An Industrial Customer for which the Company estimates that total volumes of gas to be used by the customer during the next succeeding twelve months will not be less than 50,000 Mcf of gas per year whether the gas is purchased by the Industrial Customer from the Company, delivered by the Company to the Industrial Customer, or obtained by the customer from another source.

An Industrial Customer that meets the above criteria under this rate schedule at the beginning of an Application Period is required to continue to be subject to this rate schedule during all months of such Application Period. An Industrial Customer that meets the above criteria under this rate schedule during an Application Period is required to continue to be subject to this rate schedule during all or remaining months of such Application Period.

MONTHLY RATE

Basic Service Charge			
\$1,023.00	per Month		
Distribution Charges			
14.668¢	per 100 cubic feet		(I)
Gas Adjustment Charge			
(0.479)¢	per 100 cubic feet	Purchased Gas Cost Component (Rider A)	(I)
<u>(0.002)¢</u>	per 100 cubic feet	Merchant Function Charge (Rider G)	(I)
(0.481)¢	Per 100 cubic feet	Total Gas Adjustment Charge	(I)

(D) Indicates Decrease

(I) Indicates Increase

LVIS  
Large Volume Industrial Service (Cont'd)

Natural Gas Supply Charge				
55.335¢	per 100 cubic feet	Purchased Gas Cost Component	(I)	
		(Rider A)		
0.188¢	per 100 cubic feet	Merchant Function Charge	(I)	
		(Rider G)		
<u>1.149¢</u>	per 100 cubic feet	Gas Procurement		
		Charge (Rider H)		
56.672¢	per 100 cubic feet	Total Natural Gas Supply	(I)	
	Charge			

The Natural Gas Supply Charge shall include a Merchant Function Charge (Rider G) to recover uncollectible costs associated with purchase gas costs of 0.3398% and the Gas Procurement Charge (Rider H) to recover costs of procuring natural gas pursuant to 52 Pa. Code §62.223.

The above non-purchased gas cost rates shall be subject to surcharges in accordance with provisions of Rider B - State Tax Adjustment Surcharge.

RULES AND REGULATIONS

The Rules and Regulations set forth in this tariff shall govern, where applicable, the supply of gas service under this rate schedule.

APPLICABLE PERIOD

The Application Period shall be the twelve months beginning March 1 of each year.

(D) Indicates Decrease

(I) Indicates Increase

Commercial and Public Authority, Small Volume Industrial, Intermediate Volume Industrial, Large Volume Industrial and Large Industrial customers, during the Company Peak Sales Month defined in Rate Schedule CPA-LBS and (b) the volume of service (expressed in Mcf) to all customers under the "Monthly Volume" provisions of Rate Schedule SB, during the Company Peak Sales Month defined in Rate Schedule CPA-LBS.

3. The amount determined in Item 1 above shall be divided by the amount determined in Item 2 above to determine the amount included in the rate for recovery of purchased gas costs.
4. The rate per Gas BDU shall be the amount for purchased gas demand costs (Item 3).

The current rate per Gas BDU is as follows:

Purchased Gas Demand Cost	\$1.2315/BDU	(I)
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Each time there is a change in the provision for recovery of purchased gas costs pursuant to Rider "A" of this tariff, a recomputation shall be made, under Items 1, 2 and 3, above, of the component to be included in the rate for purchased gas demand costs and the rate per Gas BDU shall be changed accordingly.

b. Determination of Customer's Gas BDUs

The Customer's Gas BDUs shall be determined as follows: The actual volumes of gas purchased by the Customer from the Company and used by the Customer in the separately-metered qualifying load balancing facilities during such Customer's Peak billing Cycle, as defined hereinafter, shall be multiplied by a fraction. The numerator shall be the number 30. The denominator shall be the number of days of service for which such Customer was billed in such Customer's Peak Billing Cycle.

The Customer's Peak Billing Cycle shall be the single billing cycle of maximum delivery to the Customer's separately-metered qualifying load balancing facilities that ended during on of the months of December, January, February and March during the period beginning with the most recently-completed billing cycle and ending with the current billing cycle.

If the customer used no gas under this rate schedule during the most recently concluded billing cycles ended in December, January, February or March, then the level of Gas BDUs applicable to Customer shall be zero (0).

(D) Indicates Decrease

(I) Indicates Increase

2. Margin Demand Charge

- a. The rate per Margin BDU shall be \$.3182 per Margin BDU.
- b. Determination of Customer's Margin BDUs

The Customer's Margin BDUs shall be determined as follows: The actual deliveries of gas to the Customer by Company, including not only volumes of gas purchased by the Customer from the Company and used by the Customer in the separately-metered load balancing facilities but also volumes of Customer-owned gas transported to the Customer's load balancing facilities through the Company's facilities, during such Customer's Peak billing Cycle, as defined hereinafter, shall be multiplied by a fraction. The numerator shall be the number 30. The denominator shall be the number of days of service for which such Customer was billed in such Customer's Peak Billing Cycle.

The Customer's Peak Billing Cycle shall be the single billing cycle of maximum delivery to the Customer's separately-metered load balancing facilities that ended during one of the months of December, January, February and March during the period beginning with the most recently-completed billing cycle ended in December and ending with the current billing cycle.

If the customer used no gas under this rate schedule during the most recently concluded billing cycles ended in December, January, February or March, then the level of Margin BDUs applicable to Customer shall be zero (0).

B. COMMODITY CHARGES FOR SALES AND FOR TRANSPORTATION SERVICE

1. Commodity Charge for Sales Service

The monthly Commodity Charge for Sales Service shall be the product of multiplying the rate per Mcf, determined as provided below, by the volume of gas sold to the Customer by the Company during the applicable billing cycle.

The rate per Mcf shall be determined as follows and shall be \$3.5585 per (I) Mcf, subject to revision as provided below:

The current components of the rate are as follows:

Purchased Gas Commodity		
Costs, set forth in Rider "A"	\$3.3112/Mcf	(I)
Non Gas Costs	\$0.2473/Mcf	

a. Determination of Rate per Mcf

The rate per Mcf shall be the sum of:

- 1. The net amount per Mcf for recovery of the commodity component of purchased gas costs and for recovery or refund of "E" factor amounts, the "PGCC", as determined in Rider "A" - Section 1307(f) Purchased Gas Costs of this tariff; plus

D) Indicates Decrease

(I) Indicates Increase

2. The amount of \$0.2473 per Mcf for recovery of non-gas costs.

Each time there is a change in the provision for recovery of purchased gas costs pursuant to Rider "A" of this tariff, a recomputation shall be made of the commodity component of purchased gas costs (Item 1, above) and the rate per Mcf shall be changed accordingly. The component included in the rate for recovery of non-gas costs shall remain constant until changed in accordance with a procedure, other than a proceeding pursuant to Section 1307(f) of the Public Utility Code, 66 Pa.C.S. Section 1307(f).

2. Commodity Charge for Transportation Service

The monthly Commodity Charge for Transportation Service shall be the product of multiplying the rate per Mcf, determined as provided below, by the volume of gas transported by the Company to the Customer's load balancing facilities.

The rate per Mcf for transportation of gas under this rate schedule shall be \$0.8273 per Mcf, which includes \$0.2473 for recovery of non-gas costs and \$0.5800 for recovery of purchased gas. (I)

V. SURCHARGE

The non-purchased gas cost Demand Charges and the non-purchased gas cost Commodity Charge for Sales Service and the non-purchased gas cost Commodity Charge for Transportation Service shall be subject to surcharges in accordance with provisions of Rider B - State Tax Adjustment Surcharge as set forth in this tariff. (I)

VI. AMOUNTS TO BE INCLUDED IN OVER/UNDERCOLLECTION OF GAS COSTS

Purchased gas cost revenues billed under this rate schedule shall be included as revenues for recovery of gas costs for purposes of computing Factor "E" of Company's 1307(f) rate in accordance with procedures set forth in Rider "A" - Section 1307(f) Purchased Gas Costs.

VII. SPECIAL PROVISIONS

Monthly metered Special Provisions A through J contained in the Company's Rate Schedule for Transportation Service shall apply to transportation service under this rate schedule.

VIII. RULES AND REGULATIONS

The rules and regulations set forth in this tariff shall govern, where applicable, the supply of gas service under this rate schedule.

(D) Indicates Decrease

(I) Indicates Increase

LIS

Large Industrial Service (Cont'd)

- C. An Industrial Customer, for which the Company estimates that the total volumes of gas purchased from the Company or transported by the Company during the next succeeding twelve months will be not less than 200,000 Mcf, if the Industrial Customer has used total volumes of gas in at least one billing month of not less than 17,000 Mcf, even if the Customer disagrees with the Company's estimate.

An Industrial Customer that meets the above criteria under this rate schedule at the beginning of an Application Period is required to continue to be subject to this rate schedule during all months of such Application Period. An Industrial Customer that meets the above criteria under this rate schedule during an Application Period is required to continue to be subject to this rate schedule during all or remaining months of such Application Period.

MONTHLY RATE

Basic Service Charge  
\$1,165.00 per Month

Distribution Charges  
10.418¢ per 100 cubic feet (I)

Gas Adjustment Charge  
(0.479)¢ per 100 cubic feet Purchased Gas Cost Component (I)  
(Rider A)  
(0.002)¢ per 100 cubic feet Merchant Function Charge (I)  
(Rider G)  
(0.481)¢ per 100 cubic feet Total Gas Adjustment Charge (I)

(D) Indicates Decrease

(I) Indicates Increase

LIS  
Large Industrial Service (Cont'd)

Natural Gas Supply Charge			
55.335¢ per 100 cubic feet		Purchased Gas Cost Component (Rider A)	(I)
0.188¢ per 100 cubic feet		Merchant Function Charge (Rider G)	(I)
<u>1.149¢</u> per 100 cubic feet		Gas Procurement Charge (Rider H)	
56.672¢ per 100 cubic feet		Total Natural Gas Supply Charge	(I)

The Natural Gas Supply Charge shall include a Merchant Function Charge (Rider G) to recover uncollectible costs associated with purchase gas costs of 0.3398% and the Gas Procurement Charge (Rider H) to recover costs of procuring natural gas pursuant to 52 Pa. Code §62.223.

The above non-purchased gas cost rates shall be subject to surcharges in accordance with provisions of Rider B - State Tax Adjustment Surcharge.

GAS SHORTAGE CURTAILMENT

Service under this schedule to an LIS Industrial Customer is subject to curtailment and excess consumption penalty as set forth in Rule 26 of this tariff.

RULES AND REGULATIONS

The rules and regulations set forth in this tariff shall govern, where applicable, the supply of gas service under this rate schedule.

(D) Indicates Decrease

(I) Indicates Increase

LBS and (b) volume of service (expressed in Mcf) to all customers under the "Monthly Volume" provisions of Rate Schedule SB, during the Company Peak Sales Month defined in Rate Schedule CPA-LBS.

3. The amount determined in Item 1 above shall be divided by the amount determined in Item 2 above to determine the amount included in the rate for recovery of purchased gas costs.
4. The rate per Gas BDU shall be the amount for purchased gas demand costs (Item 3).

The current rate per Gas BDU is as follows:

Purchased Gas Demand Cost	\$1.2315/BDU	(I)
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Each time there is a change in the provision for recovery of purchased gas costs pursuant to Rider "A" of this tariff, a recomputation shall be made, under Items 1, 2 and 3, above, of the component to be included in the rate for purchased gas demand costs and the rate per Gas BDU shall be changed accordingly.

b. Determination of Customer's Gas BDUs

The Customer's Gas BDUs shall be determined as follows: The actual volumes of gas purchased by the Customer from the Company and used by the Customer in the separately-metered load balancing facilities during such Customer's Peak billing Cycle, as defined hereinafter, shall be multiplied by a fraction. The numerator shall be the number 30. The denominator shall be the number of days of service for which such Customer was billed in such Customer's Peak Billing Cycle.

The Customer's Peak Billing Cycle shall be the single billing cycle of maximum delivery to the Customer's separately-metered load balancing facilities that ended during one of the months of December, January, February and March during the period beginning with the most recently-completed billing cycle ended in December and ending with the current billing cycle.

If the customer used no gas under this rate schedule during the most recently concluded billing cycles ended in December, January, February or March, then the level of Gas BDUs applicable to Customer shall be zero (0).

(D) Indicates Decrease

(I) Indicates Increase

2. Margin Demand Charge

a. The rate per Margin BDU shall be \$.2517 per Margin BDU.

b. Determination of Customer's Margin BDUs

The Customer's Margin BDUs shall be determined as follows: The actual deliveries of gas to the Customer by Company, including not only volumes of gas purchased by the Customer from the Company and used by the Customer in the separately-metered load balancing facilities but also volumes of Customer-owned gas transported to the Customer's load balancing facilities through the Company's facilities, during such Customer's Peak billing Cycle, as defined hereinafter, shall be multiplied by a fraction. The numerator shall be the number 30. The denominator shall be the number of days of service for which such Customer was billed in such Customer's Peak Billing Cycle.

The Customer's Peak Billing Cycle shall be the single billing cycle of maximum delivery to the Customer's separately-metered load balancing facilities that ended during one of the months of December, January, February and March during the period beginning with the most recently-completed billing cycle ended in December and ending with the current billing cycle.

If the customer used no gas under this rate schedule during the most recently concluded billing cycles ended in December, January, February or March, then the level of Margin BDUs applicable to Customer shall be zero (0).

B. COMMODITY CHARGES FOR SALES AND FOR TRANSPORTATION SERVICE

1. Commodity Charge for Sales Service

The monthly Commodity Charge for Sales Service shall be the product of multiplying the rate per Mcf, determined as provided below, by the volume of gas sold to the Customer by the Company during the applicable billing cycle.

The rate per Mcf shall be determined as follows and shall be \$3.5036 per (I) Mcf, subject to revision as provided below:

The current components of the rate are as follows:

Purchased Gas Commodity		
Costs, set forth in Rider "A"	\$3.3112/Mcf	(I)
Non Gas Costs	\$0.1924/Mcf	

a. Determination of Rate per Mcf

The rate per Mcf shall be the sum of:

(D) Indicates Decrease

(I) Indicates Increase

1. The net amount per Mcf for recovery of the commodity component of purchased gas costs and for recovery or refund of "E" factor amounts, the "PGCC", as determined in Rider "A" - Section 1307(f) Purchased Gas Costs of this tariff; plus

2. The amount of \$.1924 per Mcf for recovery of non-gas costs.

Each time there is a change in the provision for recovery of purchased gas costs pursuant to Rider "A" of this tariff, a recomputation shall be made of the commodity component of purchased gas costs (Item 1, above) and the rate per Mcf shall be changed accordingly. The component included in the rate for recovery of non-gas costs shall remain constant until changed in accordance with a procedure, other than a proceeding pursuant to Section 1307(f) of the Public Utility Code, 66 Pa.C.S. Section 1307(f).

2. Commodity Charge for Transportation Service

The monthly Commodity Charge for Transportation Service shall be the product of multiplying the rate per Mcf, determined as provided below, by the volume of gas transported by the Company to the Customer's load balancing facilities.

The rate per Mcf for transportation of gas under this rate schedule shall be \$0.7724 per Mcf, which includes \$0.1924 for recovery of non-gas costs and \$0.5800 for recovery of purchased gas. (I)

V. SURCHARGE (I)

The non-purchased gas cost Demand Charges and the non-purchased gas cost Commodity Charge for Sales Service and the non-purchased gas cost Commodity Charge for Transportation Service shall be subject to surcharges in accordance with provisions of Rider B - State Tax Adjustment Surcharge as set forth in this tariff.

VI. AMOUNTS TO BE INCLUDED IN OVER/UNDERCOLLECTION OF GAS COSTS

Purchased gas cost revenues billed under this rate schedule shall be included as revenues for recovery of gas costs for purposes of computing Factor "E" of Company's 1307(f) rate in accordance with procedures set forth in Rider "A" - Section 1307(f) Purchased Gas Costs.

VII. SPECIAL PROVISIONS

Monthly metered Special Provisions A through J contained in the Company's Rate Schedule for Transportation Service shall apply to transportation service under this rate schedule.

VIII. RULES AND REGULATIONS

The rules and regulations set forth in this tariff shall govern, where applicable, the supply of gas service under this rate schedule.

(D) Indicates Decrease

(I) Indicates Increase

RATE SCHEDULE - NGV

NATURAL GAS VEHICLE SERVICE

I. APPLICABILITY

Throughout the territory served under this tariff.

II. AVAILABILITY

Sales Service under this rate schedule is available for use of natural gas by a customer directly in a natural gas motor vehicle ("NGV").

III. NATURE OF SERVICE

Service provided in this rate schedule shall be firm service subject to the curtailment priorities of Rule 26. For curtailment purposes, service under this rate schedule shall be defined as curtailment priority number (6), firm large noncritical commercial and industrial requirements other than requirement for boiler fuel use.

IV. RATE

Rates per 100 cu. Ft. shall be established by the Company on the first day of each calendar month for each of the categories set forth below to compete with alternative vehicle fuels. The rates shall not be less than the 100% load factor base cost of gas, plus the take-or-pay surcharge, plus the surcharge for Transition Cost, plus the incremental operating cost incurred by the Company for operating Company owned NGV compression equipment on a per Ccf basis, if any, plus \$0.01 per cu. ft., plus the state tax adjustment surcharge, and not more than the tailblock rate of the Commercial and Public Authority Service Rate Schedule, including all applicable surcharges, plus the incremental operating cost incurred by the Company for operating Company owned NGV compression equipment on a per Ccf basis, if any.

The 100% load factor base cost of gas shall be \$0.26631 per 100 cu. ft. (I)  
(as calculated by adding the purchase gas components of the Load Balancing Service Rates).

Purchased Gas 100% Load Factor Demand Cost	\$0.12315/Ccf	(I)
plus Purchased Gas Commodity Cost Equals	<u>\$0.33112/Ccf</u>	(I)
100% Load Factor Base Cost of Gas	\$0.45427/Ccf	(I)

The incremental operating cost for compression shall be \$0.13436/Ccf.

(D) Indicates Decrease

(I) Indicates Increase

Natural gas vehicle customers are classified into the following categories:

NGV(1) All natural gas vehicle customers utilizing Company owned filling facilities. A uniform rate shall be established each month within the parameters set forth above, for customers utilizing Company-owned filling facilities.

The minimum NGV(1) rate shall be: \$0.59863/Ccf (I)

The current components of the minimum NGV(1) rate are as follows:

100% load factor base cost of gas:	\$0.45427/Ccf	(I)
Incremental operating cost of Company owned NGV compression equipment:	\$0.13436/Ccf	
Transition Cost Surcharge	\$0.00000/Ccf	
State Tax Adjustment Surcharge	\$0.00000/Ccf	
Minimum allowable Non-Gas cost	\$0.01000/Ccf	

The maximum NGV(1) rate shall be: \$0.90674/Ccf (I)

The current components of the maximum NGV(1) rate are as follows:

Tailblock rate of the Commercial and Public Authority Service Rate schedule:	\$0.77238/Ccf	(I)
Incremental operating cost of Company owned NGV compression equipment:	\$0.13436/Ccf	
State Tax Adjustment Surcharge	\$0.00000/Ccf	

NGV(2) Natural gas vehicle customers utilizing customer owned filling facilities. A uniform rate will be established each month within the parameters set forth above, to customers utilizing customer owned filling facilities.

The minimum NGV(2) rate shall be: \$0.46427/Ccf (I)

The current components of the minimum NGV(2) rate are as follows:

100% load factor base cost of gas:	\$0.45427/Ccf	(I)
Transition Cost Surcharge	\$0.00000/Ccf	
State Tax Adjustment Surcharge	\$0.00000/Ccf	
Minimum allowable Non-Gas cost	\$0.01000/Ccf	

The maximum NGV(2) rate shall be: \$0.77238/Ccf (I)

(D) Indicates Decrease

(I) Indicates Increase

The current components of the maximum NGV(2) rate are as follows:

Tailblock rate of the Commercial and Public Authority	
Service Rate schedule:	\$0.77238 /Ccf (I)
State Tax Adjustment Surcharge	\$0.00000/Ccf

V. SURCHARGE

All non-purchased gas cost charges under this rate schedule will be subject to surcharges in accordance with provisions of Rider B - State Tax Adjustment Surcharge as set forth in this tariff.

VI. AMOUNTS TO BE INCLUDED IN OVER/UNDERCOLLECTION OF GAS COSTS

Purchased gas cost revenues billed under this rate schedule shall be included as revenues for recovery of gas costs for purposes of computing Factor "E" of Company's 1307(f) rate in accordance with procedures set forth in Rider "A" - section 1307(f) Purchased Gas Costs. Purchased gas cost revenues recovered under this rate schedule shall be the 100% load factor base cost of gas as defined above.

VII. RULES AND REGULATIONS

The rules and regulations set forth in this tariff shall govern, where applicable, the supply of gas service under this rate schedule.

(D) Indicates Decrease

(I) Indicates Increase

RATE SCHEDULE PSB

PRIORITY STANDBY SERVICE

APPLICABILITY

Throughout the territory served under this tariff.

AVAILABILITY OF SERVICE

Service under this rate schedule is available to all customers under the Residential, Commercial and Public Authority, and SVIS Rate Schedules which enter into a contract for service under this Rate Schedule. A customer will be permitted to enter into a contract, prepared by the Company, for service under this rate schedule, however, only if the Company projects that sufficient volumes of gas will be available to the Company during the period of the customer's contract for Priority Standby Service.

Service under this rate schedule is mandatory for all customers categorized as Priority 1 under the curtailment priorities of Rule 26 who enter into contracts with the Company to receive Transportation Service and who do not have dual or alternate fuel equipment on site which is installed and operable with sufficient amounts of alternate fuel available on site during each winter period of each year commencing on December 1 and ending on March 31 of the following year. Service under this rate schedule is voluntary for all other customers.

NATURE OF SERVICE

Priority standby service shall permit the customer to purchase gas on a firm basis subject to curtailment priorities of Rule 26. The Company will take all reasonable steps to obtain or to maintain gas supplies sufficient to enable the Company to provide reasonably continuous service to each Customer receiving Priority Standby Service.

MONTHLY RATE

The monthly rate shall be \$1.3432 per Mcf, which shall be applied to the total monthly volumes transported by the customer during the month. (I)

The rate shall equal the PGDC portion of the commodity rate applicable to the corresponding sales rate classification.

(D) Indicates Decrease

(I) Indicates Increase

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Issued: January 31, 2024

Effective: August 1, 2024

MONTHLY RATE

The monthly rate shall be \$0.6326 per Mcf, which shall be applied to the (I) Monthly Volume, as defined below.

MONTHLY VOLUME

The Mcf volume of gas to which the Monthly Rate set forth above shall be applied, shall be determined for each billing cycle, as set forth below;

1. The volume of gas specified in the Service Agreement under this rate schedule shall be adjusted for each billing cycle by, multiplying such volume, expressed in Mcf, by a fraction. The numerator of the fraction shall be the number of days in the billing cycle applicable to the customer and the denominator shall be thirty (30).
2. If the volume determined under item 1, above, is greater than the sum of the Mcf volume of gas purchased by the customer under rate schedules other than load balancing rate schedules during the billing cycle, the Monthly Rate shall be applied to the difference between: (a) the volume determined under item 1, above, and (b) the Mcf volume of gas purchased by the customer under the rate schedules other than load balancing rate schedules during such billing cycle.
3. If the volume determined under item 1, above, is equal to or less than the Mcf volume of gas purchased by the customer under rate schedules other than load balancing rate schedules during the billing cycle, then the Monthly Volume shall be zero (0) Mcf.

(D) Indicates Decrease

(I) Indicates Increase

RATE SCHEDULE FOR MONTHLY METERED TRANSPORTATION SCHEDULE (cont'd)

MONTHLY RATES

Commodity Rates

The commodity rates set forth below contain a component, presently \$0.5800 per Mcf, for recovery of purchased gas costs.

For transportation of gas to Residential Customers, the monthly rate for transportation of gas both within and outside the Commonwealth of Pennsylvania shall be:

\$3.5411 Mcf (I)

For transportation of gas to Commercial and Public Authority Customers, the monthly rate for transportation of gas produced within the Commonwealth of Pennsylvania shall be:

\$2.8794 per Mcf for Small Commercial/Public Authority using not more than 250 Mcf per year (I)

\$2.6355 per Mcf for Small Commercial/Public Authority using greater than 250 Mcf but not more than 1,000 Mcf per year (I)

\$2.2422 per Mcf for Large Commercial/Public Authority (I)

For transportation of gas to Commercial and Public Authority Customers, the monthly rate for transportation of gas produced outside the Commonwealth of Pennsylvania shall be:

\$2.8794 per Mcf for Small Commercial/Public Authority using not more than 250 Mcf per year (I)

\$2.6355 per Mcf for Small Commercial/Public Authority using greater than 250 Mcf but not more than 1,000 Mcf per year (I)

\$2.2422 per Mcf for Large Commercial/Public Authority (I)

For transportation of gas to Small Volume Industrial Customers, the monthly rate for transportation of gas produced within the Commonwealth of Pennsylvania shall be:

\$2.6522 per Mcf for SVIS Customers (I)

For transportation of gas to Small Volume Industrial Customers, the monthly rate for transportation of gas produced outside the Commonwealth of Pennsylvania shall be:

\$2.6522 per Mcf for SVIS Customers (I)

(D) Indicates Decrease

(I) Indicates Increase

RATE SCHEDULE FOR MONTHLY METERED TRANSPORTATION SCHEDULE (cont'd)

For transportation of gas to Intermediate Volume Industrial Customers, the monthly rate for transportation of gas produced within the Commonwealth of Pennsylvania shall be:  
\$1.9147 per Mcf for IVIS Customers (I)

For transportation of gas to Intermediate Volume Industrial Customers, the monthly rate for transportation of gas produced outside the Commonwealth of Pennsylvania shall be:  
\$1.9147 per Mcf for IVIS Customers (I)

For transportation of gas to Large Volume Industrial Customers and any entity that is not a Gas Service Customer, the monthly rate for transportation of gas produced within the Commonwealth of Pennsylvania shall be:  
\$1.6043 per Mcf (I)

For transportation of gas to Large Volume Industrial Customers and any entity that is not a Gas Service Customer, the monthly rate for transportation of gas produced outside the Commonwealth of Pennsylvania shall be:  
\$1.6043 per Mcf (I)

For transportation of gas to Large Industrial Customers, the monthly rate for transportation of gas produced within the Commonwealth of Pennsylvania shall be:  
\$1.1793 per Mcf (I)

For transportation of gas to Large Industrial Customers, the monthly rate for transportation of gas produced outside the Commonwealth of Pennsylvania shall be:  
\$1.1793 per Mcf (I)

Provided, however, that the Company, in its sole discretion, may reduce by contract the portion of the above rates applicable to the Customer that are for recovery of gas or the portion of the rate for recovery of non-gas costs of service if it is reasonably necessary to do so to meet competition from another supplier of energy including gas from another supplier of gas that has constructed, or could construct, facilities to deliver supplies of gas to a MMT Customer of the Company without use of the Company's facilities or another transportation of gas. The Company may also reduce or eliminate the compensation for line losses provided for in Special Provisions paragraph B of this rate schedule in order to meet the competitive circumstances for alternate fuels or bypass situations cited above excluding competition from other Pennsylvania local distribution companies. The Company will reduce the applicable rate only if:

- (a) Either (1) the MMT Customer has facilities in place and operable to use an alternative fuel or obtain gas from an alternative supplier or (2) in the Company's judgment, such facilities would be constructed;

(D) Indicates Decrease

(I) Indicates Increase

E. In the event of interruption or curtailment of transportation service, pursuant to items C and D, above, and during such period of interruption or curtailment, the MMT Customer must sell to the Company all or a portion of the MMT Customer's supply of gas at the higher of (1) the Transportation Service Customer's cost of purchased gas at the point of delivery to the Company or (2) the Company's average cost of purchased gas per Mcf, as determined based upon the Company's Section 1307(f) Rate, which is \$5.9879. (I)

F. If for any reason (including the default of an MMNGS Supplier), the MMNGS Supplier fails to provide sufficient daily deliveries of natural gas supplies to meet the MMT Customers DDQ pursuant to the terms of MMNGS supply service, and/or MMT Customer's MMNGS Supplier does not provide complete compensation to the Company for services provided under Rate Schedule MMNGS, Special Provision D.3, the Company shall charge the MMT Customer for the deficient daily deliveries under the applicable gas sales rate schedule plus applicable surcharge as set forth in Rate Schedule SB Special Provisions.

(D) Indicates Decrease

(I) Indicates Increase

E. In the event of interruption or curtailment of transportation service, pursuant to items C and D, above, and during such period of interruption or curtailment, the DMT Service Customer must sell to the Company all or a portion of the DMT Service Customer's supply of gas at the higher of (1) the Transportation Service Customer's cost of purchased gas at the point of delivery to the Company or (2) the Company's average cost of purchased gas per Mcf, as determined based upon the Company's Section 1307(f) Rate, which is \$5.9879.

(I)

F. If a Gas Service Customer receiving gas transported by the Company uses less than the amount of gas delivered into the Company's system for transportation to such Customer ("excess deliveries"), the Gas Service Customer receiving gas transported by the Company may use such gas during the banking/balancing period defined below, following which the Company shall have the right, but not the obligation, to purchase remaining excess deliveries of gas from the DMT service Customer at a rate equal to the lowest of (1) the cost at which it was acquired by the DMT Service Customer, including pipeline transportation charges, or (2) the Company's average commodity delivered cost of gas to National Fuel Gas Supply Corporation, or (3) the Company's average commodity cost of locally produced gas during the month when excess deliveries were received by the Company. The cost at which the DMT Service Customer acquired the gas will be determined from such Customer's contract with the supplier or by a sworn affidavit setting forth the Customer's cost of gas, including cost of delivery of such gas to the Company's system. Upon request by the Company, the DMT Service Customer will be required to furnish to the Company the DMT service Customer's choice of (1) a copy of this contract or (2) an affidavit. The banking/balancing period shall be the three billing months after the billing month in which the Company received excess deliveries in behalf of the Customer.

G. "Underdeliveries" are volumes of gas taken from the Company by a Gas Service Customer in excess of the sum of (1) any excess deliveries of the customer at the beginning of the day and (2) the volume of gas delivered to the Company for the customer's account, after adjustment for line losses less volumes of volumes of gas determined to be sales by the Company to the customer. Cumulative underdeliveries, as determined each day, in excess of two percent of the volume of gas delivered by the Company to the customer that day, shall be a sale of gas by the Company to the customer under the applicable rate schedule plus applicable surcharges as set forth in Rate Schedule SB Special Provisions and shall not be recharacterized as transportation service under any circumstances. Cumulative underdeliveries of not more than two percent of the volume of gas delivered to a customer by the Company on any day may be offset by volumes of gas delivered to the Company for the customer's account, after adjustment for line losses, in excess of the volume of gas taken by the customer from the Company on subsequent days within the same billing month.

(D) Indicates Decrease

(I) Indicates Increase

RATE SCHEDULE SATC  
SMALL AGGREGATION TRANSPORTATION CUSTOMER SERVICE (Cont'd)

RATES AND CHARGES

A. Customer Transportation Service Rates

The Company will provide transportation services to deliver gas supplies to the SATC Customer(s). The Customer shall be billed the charges for the transportation services rendered for it at the appropriate charges provided herein for which service the SATC Customer qualifies.

The SATC Customer shall pay the following transportation charges for the transportation of gas. The commodity rates set forth below contain a component, presently \$0.04425 per Ccf, for the recovery of purchased gas demand costs and shall be adjusted pursuant to Rider A of the tariff. Such purchased gas costs collected through these rates shall be included as revenues for the recovery of purchased gas costs as specified in Rider A of this tariff. (I)

(D) Indicates Decrease

(I) Indicates Increase

RATE SCHEDULE SATC  
SMALL AGGREGATION TRANSPORTATION CUSTOMER SERVICE (Cont.)

1. Residential Transportation Rates

SATC Customers that meet the qualifications under the Residential Service Rate Schedule classification:

Rates per Residential SATC Customer per Month:

\$14.00	Basic Service Charge	
\$0.34036	per 100 cubic feet (I)	(I)

2. Commercial and Public Authority Transportation Rates

SATC Customers that meet the qualifications under the Commercial and Public Authority Service Rate Schedule classification:

a. Rates per Commercial/Public Authority customer per month for "Small" Commercial/Public Customers using not more than 250,000 cubic feet per year:

\$27.00	Basic Service Charge	
\$0.27419	per 100 cubic feet	(I)

b. Rates per Commercial/Public Authority customer per month for "Small" Commercial/Public Customers using greater than 250,000 cubic feet but not more than 1,000,000 cubic feet per year:

\$37.00	Basic Service Charge	
\$0.24980	per 100 cubic feet	(I)

c. Rates per Commercial/Public Authority customer per month for "Large" Commercial/Public Customers:

\$151.00	Basic Service Charge	
\$0.21047	per 100 cubic feet	(I)

(D) Indicates Decrease

(I) Indicates Increase

RATE SCHEDULE SATC  
SMALL AGGREGATION TRANSPORTATION CUSTOMER SERVICE (Cont.)

3. Small Volume Industrial Service Transportation Rates

SATC Customers that meet the qualifications under the Small Volume Industrial Service Rate Schedule classification:

Rates per Small Volume Industrial Service SATC Customer per Month:

\$82.00 Basic Service Charge  
\$0.25147 per 100 cubic feet (I)

4. Intermediate Volume Industrial Service Transportation Rates

SATC Customers that meet the qualifications under the Intermediate Volume Industrial Service Rate Schedule classification:

Rates per Intermediate Volume Industrial Service SATC Customer per Month:

\$252.00 Basic Service Charge  
\$0.17772 per 100 cubic feet (I)

B. Miscellaneous Customer Surcharges

1. Residential rate classes shall be subject to surcharges in accordance with Rider F - LIRA Discount Charge as set forth in this tariff.

2. The above non-purchased gas cost SATC rates shall be subject to surcharges in accordance with provisions of Rider B - State Tax Adjustment Surcharge.

(C) Indicates Change

(D) Indicates Decrease

(I) Indicates Increase

RATE SCHEDULE SATS  
SMALL AGGREGATION TRANSPORTATION SUPPLIER SERVICE (Cont.)

C. Total Upstream Capacity Requirements for SATS Suppliers

SATS Suppliers shall be required to provide sufficient firm pipeline transportation and storage capacity to meet the estimated extreme day requirements of their SATC Customer groups as further described below. The SATS Suppliers' estimated extreme day requirements of their SATC Customer Group used for Supplier capacity allocations and requirements shall be based on a sixty-two (62) degree day extreme peak day calculation. The Company shall utilize peaking and temperature swing storage capacity retained by the Company and recovered through SATC rates to provide for any variances between actual and forecasted usage and for any peak delivery requirements for days colder than sixty-two (62) degree days.

Such sufficient pipeline transportation and storage capacity shall be provided through the following means:

1. Released ESS Storage Capacity and Associated EFT Capacity

a. Requirements To Be Met Through ESS Storage

55% of extreme peak day requirements shall be provided through the Company's ESS storage and associated EFT transportation capacity on NFGSC. Such NFGSC Storage and transmission capacity shall be released to SATS Suppliers at the maximum rate under the pipeline's FERC gas tariff. (I)

b. Initial Assignment of ESS Storage Capacity

In a month a SATS Supplier begins to serve SATC customers, it shall be provided with an initial assignment of storage capacity, based on the percentage set forth at C.1.a. above, to meet the Supplier's requirements for the upcoming winter period. Approximately fifteen days prior to the close of nominations for the month, the Company will calculate the quantity of storage capacity released to match the SATS Supplier's winter requirements based on the number of SATC Customers aggregated by the Supplier. If the initial assignment takes place in a month other than April, the Company will transfer storage gas to the Supplier pursuant to C.1.c below. The SATS Supplier shall be responsible for all taxes and pipeline fees associated with moving or transferring the storage gas to the Company.

(D) Indicates Decrease

(I) Indicates Increase

RATE SCHEDULE SATS  
SMALL AGGREGATION TRANSPORTATION SUPPLIER SERVICE (Cont.)

c. Additional Assignments of ESS Storage Capacity

Approximately fifteen days prior to the close of nominations for each month, the Company will recalculate the quantity of storage capacity released to match the SATS Supplier's revised winter requirements based on the number of SATC Customers aggregated by the Supplier. If additional SATC Customers join a SATS Supplier's SATC Customer Group, the Company will release additional capacity as required, based on the percentage set forth at C.1.a. above. In addition, the SATS Supplier will be required to pay the Company for storage gas transferred and all taxes and pipeline fees associated with moving or transferring the storage gas to the Supplier. The storage gas transfer rate shall be the sum of (1) the higher of the Company's average cost of gas based upon the Company's Section 1307f rate, or the DMI for the first day of month in which gas is transferred plus all transportation costs to the Company's City Gate, plus (2) the demand Transfer Recovery Rate ("DTR Rate"). The DTR rate shall equal the per Mcf System Average Unrecovered Demand Charge revenue beginning in the month of April through the initial month that storage capacity is released to the Supplier. The System Average Unrecovered demand Charge Revenue shall equal the sum of the differences between the average demand charge revenues and the average fixed demand costs beginning the month of April through the initial month that storage capacity is released to the Supplier.

The DTR by month shall be as follows:

Capacity Transfer <u>Month</u>	DTR <u>\$/Mcf</u>	
April	\$0.00	
May	\$0.00	
June	\$0.00	
July	\$0.00	
August	\$0.00	
September	\$0.00	
October	\$0.00	
November	\$0.64	(I)
December	\$1.05	(I)
January	\$0.94	(I)
February	\$0.49	(I)
March	\$0.00	

(D) Indicates Decrease

(I) Indicates Increase

RATE SCHEDULE SATS  
SMALL AGGREGATION TRANSPORTATION SUPPLIER SERVICE (Cont.)

2. Released Transmission Capacity Not Included in SATC  
Transportation Rates

45% of extreme peak day requirements is to be provided by the release of pipeline capacity upstream of NFGSC and the release of associated EFT transportation capacity on NFGSC which is not included in transportation rates. All such capacity shall be released to SATS Suppliers, and SATS Suppliers shall take such released capacity, at the maximum rate under the pipeline's FERC gas tariff. The actual pipeline capacity path upstream of NFGSC to be released to the Supplier by the Company shall be designated by the Company from its available capacity. The Company will attempt to accommodate a Supplier's request for particular capacity on a first-come first-serve basis. (D)

As an alternative to the above, the Company may designate an alternative capacity path(s) from its available capacity. The capacity release rate for the pipeline capacity path released to the Supplier shall be \$7.0946/Dth which equals the weighted average demand cost of upstream capacity, however, capacity released on NFGSC will be released at the maximum rate under NFGSC's FERC gas tariff. The Company will post a listing of the alternative capacity path(s) designated, including the associated quantity of capacity, on its web site. (D)

For capacity termination notices, prior to the termination notice date of any capacity contract in this Section C.2., the Company will issue a request for proposals to qualified Suppliers under this tariff to determine if the Company should terminate, renew, or replace such contract, in whole or in part. The Company will terminate a proportionate share of the capacity contract if: (1) Suppliers demonstrate that they will provide comparable firm capacity to serve the Company's core customers, (2) the Suppliers agree to assign such comparable capacity at the contracted price to the Company upon Company request if such capacity is required to meet supply requirements of SATC Customers due to the termination of the SATS Supplier pursuant to Section H.1. or if the Supplier has reduced the level of delivery requirements from the previous periods requirements, and 3) the Commission approves such comparable capacity. Comparable capacity must have firm rights for at least the seven (7) winter months, and such capacity must have primary delivery rights into available primary receipt rights on NFGSC held by the Company. Comparable capacity must have firm capacity rights sufficient in volume and duration (with renewal rights) to serve the customers to be served by the SATS Supplier. The Company will post a listing of capacity contracts, including the associated quantity of capacity, that it determines to be of critical status on its web site.

(D) Indicates Decrease

(I) Indicates Increase

E. In the event of interruption or curtailment of transportation service, pursuant to items C and D, above, and during such period of interruption or curtailment, the DMLMT Service customer must sell to the Company all or a portion of the DMLMT Service Customer's supply of gas at the higher of (1) the Transportation Service Customer's cost of purchased gas at the point of delivery to the Company or (2) the Company's average cost of purchased gas per Mcf, as determined based upon the Company's Section 1307(f) Rate which is \$5.9879.

(I)

F. If a Gas Service Customer receiving gas transported by the Company uses less than the amount of gas delivered into the Company's system for transportation to such Customer ("excess deliveries"), the Gas Service Customer receiving gas transported by the Company may use such gas during the banking/balancing period defined below, following which the Company shall have the right, but not the obligation, to purchase remaining excess deliveries of gas from the DMLMT Service Customer at a rate equal to the lowest of (1) the cost at which it was acquired by the DMLMT Service Customer, including pipeline transportation charges, or (2) the Company's average commodity delivered cost of gas to National Fuel Gas Supply Corporation, or (3) the Company's average commodity cost of locally-produced gas during the month when excess deliveries were received by the Company. The cost at which the DMLMT Service Customer acquired the gas will be determined from such Customer's contract with the supplier or by a sworn affidavit setting forth the Customer's cost of gas, including cost of delivery of such gas to the Company's system. Upon request by the Company, the DMLMT service Customer will be required to furnish to the Company the DMLMT Service Customer's choice of (1) a copy of this contract or (2) an affidavit. The banking/balancing period shall be the three billing months after the billing month in which the Company received excess deliveries in behalf of the Customer.

G. "Underdeliveries" are volumes of gas taken from the Company by a Gas Service Customer in excess of the sum of (1) any excess deliveries of the customer at the beginning of the day and (2) the volume of gas delivered to the Company for the customer's account, after adjustment for line losses less volumes of gas determined to be sales by the Company to the customer. Cumulative underdeliveries, as determined each day, in excess of two percent of the volume of gas delivered by the Company to the customer that day, shall be a sale of gas by the Company to the customer under the applicable rate schedule plus applicable surcharges as set forth in Rate Schedule SB Special Provisions and shall not be recharacterized as transportation service under any circumstances. Cumulative underdeliveries of not more than two percent of the volume of gas delivered to a customer by the Company on any day may be offset by volumes of gas delivered to the Company for the customer's account, after adjustment for line losses, in excess of the volume of gas taken by the customer from the Company on subsequent days within the same billing month.

(D) Indicates Decrease

(I) Indicates Increase

RIDER A  
SECTION 1307(F) PURCHASED GAS COSTS  
PROVISION FOR RECOVERY OF PURCHASED GAS COSTS

Rates for each Mcf (1,000 cubic feet) of gas supplied under Residential, Low Income Residential Assistance Service, Commercial and Public Authority, Commercial and Public Authority Load Balancing Service ("LBS"), Small Volume Industrial, Intermediate Volume Industrial, Intermediate Volume Industrial LBS, Large Industrial, Large Industrial LBS, Large Volume Industrial, Large Volume Industrial LBS and Natural Gas Vehicle Service rate schedules of this tariff, shall include \$3.3112 per Mcf for recovery of purchased gas commodity costs, calculated in the manner set forth below, pursuant to Section 1307(f) of the Public Utility Code. (I)

Rates for each Mcf (1,000 cubic feet) of gas supplied under Residential, Commercial and Public Authority, Small Volume Industrial Service, Intermediate Volume Industrial, Large Volume Industrial Service, Large Industrial Service and Standby Service rate schedules of this tariff, shall include \$2.1744 per Mcf for recovery of purchased gas demand costs, calculated in the manner set forth below, pursuant to Section 1307(f) of the Public Utility Code. (I)

Rates for each Mcf (1,000 cubic feet) of gas transported under the Small Aggregation Transportation Customer Rate Schedule shall include \$0.4425 per Mcf for the recovery of purchased gas demand costs. (I)

Such rates for gas service shall be increased or decreased, from time to time, as provided by Section 1307(f) of the Public Utility Code and the Commission's regulations, to reflect changes in the level of purchased gas costs.

The amounts per Mcf for recovery of purchased gas costs (commodity and demand) included in rates under each rate schedule of the tariff are as follows:

	<u>Distribution</u>		<u>Gas Adjustment</u>	<u>Natural Gas</u>	
	<u>Total</u>	<u>Charges</u>	<u>Charge</u>	<u>Supply Charge</u>	
Residential	\$5.9281	\$0.4425	\$(0.0479)	\$5.5335	(I)
Low Income Residential Assistance Service	\$5.9281	\$0.4425	\$(0.0479)	\$5.5335	(I)
Commercial/Public Authority	\$5.9281	\$0.4425	\$(0.0479)	\$5.5335	(I)
Small Volume Industrial	\$5.9281	\$0.4425	\$(0.0479)	\$5.5335	(I)
Intermediate Volume Industrial	\$5.9281	\$0.4425	\$(0.0479)	\$5.5335	(I)
Large Volume Industrial	\$5.9281	\$0.4425	\$(0.0479)	\$5.5335	(I)
Large Industrial	\$5.9281	\$0.4425	\$(0.0479)	\$5.5335	(I)
Standby	\$0.6326				(I)
Priority Standby	\$1.3432				(I)
Small Aggregation Transportation Customer Rate Schedule	\$0.4425	\$0.4425			(I)

(I) Indicates Decrease

(I) Indicates Increase

Rider G  
Merchant Function Charge (MFC) Rider

Applicability:

The Merchant Function Charge (MFC) shall be added to the Natural Gas Supply Charge and Gas Adjustment Charge of Residential, LIRAS, Commercial and Public Authority, SVIS, IVIS, LVIS and LIS rate schedules.

Such charges shall be updated quarterly and effective each February 1, May 1, August 1, and November 1 of the year. The charge will also be updated whenever there is a change to the Sales Service Rate Customer Charge, Distribution Charge, Natural Gas Supply Charge or Gas Adjustment Charge.

Calculation of Rate:

For customers receiving service in the Residential classification, the MFC shall equal 1.8032% times the Natural Gas Supply Charge and the Gas Adjustment Clause as calculated for Rider A.

The current Residential MFC Charge is:

Natural Gas Supply Charge per Mcf	\$0.0998	(I)
Gas Adjustment clause (E-Factor) per Mcf	\$(0.0009)	(I)
Total Residential MFC per Mcf	\$0.0989	(I)

For customers receiving service in the Non-Residential classifications, the MFC shall equal 0.3398% times the Natural Gas Supply Charge and Gas Adjustment Clause as calculated for Rider A.

The current Non-Residential MFC Charge is:

Natural Gas Supply Charge per Mcf	\$0.0188	(I)
Gas Adjustment clause (E-Factor) per Mcf	\$(0.0002)	(I)
Total Non-Residential MFC per Mcf	\$0.0186	(I)

(D) Indicates Decrease

(I) Indicates Increase

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Issued: January 31, 2024

Effective: August 1, 2024

Rider H  
Gas Procurement Charge (GPC)

APPLICABILITY

Effective June 1, 2013, the Gas Procurement Charge will be included in the Natural Gas Supply Charge of Residential, LIRAS, Commercial and Public Authority, SVIS, IVIS, LVIS and LIS rate schedules.

The charge is designed to recover the costs of procuring natural gas pursuant to 52 Pa. Code §62.223. The natural gas procurement costs included in the GPC charge will only be updated in a base rate case.

The GPC to be included in the Natural Gas Supply Charge shall be \$0.1149 / Mcf and is not reconcilable.

	Residential (¢ per 100 cubic feet)	Non Residential (¢ per 100 cubic feet)	
<b>Price To Compare Component</b>			
Natural Gas Supply Charge			
Purchased Gas Cost Component (Rider A)	55.335	55.335	(I)
Merchant Function Charge associated with Natural Gas Supply Charge (Rider G)	0.998	0.188	(I)
Gas Procurement Charge (Rider H)	<u>1.149</u>	<u>1.149</u>	
Subtotal Natural Gas Supply Charge	57.482	56.672	(I)
Gas Adjustment Charge			
Purchased Gas Cost Component (Rider A)	(0.479)	(0.479)	(I)
Merchant Function Charge associated with Gas Adjustment Charge (Rider G)	<u>(0.009)</u>	<u>(0.002)</u>	(I)
Subtotal Gas Adjustment Charge	(0.488)	(0.481)	(I)
Total Price To Compare	<u>56.994</u>	<u>56.191</u>	(I)

(D) Indicates Decrease

(I) Indicates Increase

REDLINED VERSION

Supplement No. ~~269~~ to  
Gas - Pa. P.U.C. No. 9

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**NATIONAL FUEL GAS DISTRIBUTION CORPORATION  
BUFFALO, NEW YORK**

**RATES, RULES AND REGULATIONS**

**GOVERNING THE FURNISHING**

**OF**

**NATURAL GAS SERVICE**

**IN**

**TERRITORY DESCRIBED HEREIN**

Issued: ~~January 31, 2024~~

Effective: ~~August 1, 2024~~

Deleted: September 29, 2023

Deleted: October 1, 2023

D. L. DeCAROLIS, PRESIDENT  
BUFFALO, NEW YORK

This Supplement includes increases and decreases to existing rates.  
See page 2.

LIST OF CHANGES MADE BY THIS TARIFF

INCREASE:

1. Distribution Charge for Residential, Commercial and Public Authority, Small Volume Industrial, Intermediate Volume Industrial, Large Volume Industrial and Large Industrial Service Classes increase.  
Pages 36, 36A, 41, 41A, 42, 53, 55, 65, 66, 76
2. Gas Adjustment Charges increase for Residential, Commercial and Public Authority, Small Volumes Industrial, Intermediate Volume Industrial, and Large Industrial Service  
Pages 36, 41, 41A, 42, 53, 55, 65, 76
3. The Natural Gas Supply Charge for Residential, Commercial and Public Authority, Small Volume Industrial, Intermediate Volume Industrial, Large Volume Industrial and Large Industrial Service Classes increase.  
Pages 36A, 41, 41A, 42, 53, 55, 66 and 76A.
4. Demand Charges for Load Balancing Service increase.  
Pages 48, 61, 72, 79, 82
5. Commodity Charges for Sales Services increase.  
Pages 50, 62, 73, 80
6. Commodity Charges for Transportation Service increase.  
Page 50, 63, 74, 81
7. Components of Natural Gas Vehicle rates increase.  
Pages 83 and 84.
8. Priority Standby Service monthly rate increase.  
Pages 93, 95
9. The price for purchase of gas by Distribution from a transportation service customer in the event of a curtailment or interruption will increase.  
Pages 106, 117 and 146G.
10. Purchased gas costs in Rider A increase.  
Page 147
11. The Price to Compare shown in Rider H increases.  
Page 169.
12. MMT Service Rates increased for Residential, "Small" Commercial/ Public Authority >25,000, "Large" Commercial/ Public Authority, Intermediate Volume Industrial, Large Volume Industrial, and Large Industrial Service Classes.  
Pages 100 and 101

Issued: ~~January 31, 2024~~

Effective: ~~August 1, 2024~~

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1. The date for Rider E changes to December 31, 2024 (Page 162)¶

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NATIONAL FUEL GAS  
DISTRIBUTION CORPORATION

Supplement No. ~~269~~ to  
Gas - Pa. P.U.C. No. 9  
Eighty-~~Second~~ Revised Page No. 3  
Canceling ~~Eighty-First~~ Revised Page No. 3

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LIST OF CHANGES MADE BY THIS TARIFF

INCREASE:

13. SATC Transportation Service rates increase for Residential and Small  
Volume Industrial.  
Page 119A, 120, 121
14. Certain Demand Transfer Recovery Rates ("DTR") increase.  
Page 127.
15. SATC Alternative Capacity Release Rate increase.  
Page 131.
16. The Merchant Function Charge in Rider G increase.  
Page 168.

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DECREASE:

17. Weighted average demand cost of upstream capacity increases.  
Page 131.

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Issued: January 31, 2024

Effective: August 1, 2024

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DISTRIBUTION CORPORATION

Supplement No. ~~269~~ to  
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Canceling Two-Hundred-Thirty-~~Fifth~~ Revised Page No. 4

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NATIONAL FUEL GAS  
DISTRIBUTION CORPORATION

Supplement No. ~~269~~ to  
Gas - Pa. P.U.C. No. 9

One-Hundred-~~Thirtieth~~ Revised Page No. 5  
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NATIONAL FUEL GAS  
DISTRIBUTION CORPORATION

Supplement No. ~~269~~ to  
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NATIONAL FUEL GAS  
DISTRIBUTION CORPORATION

Supplement No. ~~269~~ to  
Gas - Pa. P.U.C. No. 9  
One-Hundred-~~Fifty-First~~ Revised Page No. 7  
Canceling One-Hundred-~~Fiftieth~~ Revised Page No 7

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NATIONAL FUEL GAS  
DISTRIBUTION CORPORATION

Supplement No. ~~269~~ to  
Gas - Pa. P.U.C. No. 9

One-Hundred-Seventy-~~Eighth~~ Revised Page No. 7A

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NATIONAL FUEL GAS  
DISTRIBUTION CORPORATION

Supplement No. ~~269~~ to  
Gas - Pa. P.U.C. No. 9

~~One-Hundred-Seventeenth Revised Page No. 36~~

~~Canceling One-Hundred-Sixteenth Revised Page No. 36~~

RESIDENTIAL SERVICE RATE SCHEDULE

RESIDENTIAL CLASSIFICATION

This classification shall include gas supplied for residential purposes such as a private dwelling, apartment house with a single meter supplying four or less dwelling units, separately metered apartments of a multiple dwelling, accessory buildings to dwellings or apartment houses such as garages, except at residences receiving service under Rate Schedule LIRAS for Low Income Residential Assistance Service and other places of residence where gas is used for residential purposes.

Churches and missions (places of worship) shall be entitled to Service under the Residential service rate schedule.

AVAILABILITY OF SERVICE

Gas Service shall be available at one location, except as otherwise provided, for residential customers.

APPLICABILITY

Applicable in all areas served under this tariff.

MONTHLY RATE

Basic Service Charge  
\$14.00 per Month

Distribution Charges  
~~34.036¢~~ per 100 cubic feet (I)

Gas Adjustment Charge  
~~(0.479)¢~~ per 100 cubic feet Purchased Gas Cost Component (Rider A) (I)

~~(0.009)¢~~ per 100 cubic feet Merchant Function Charge (Rider G) (I)

~~(0.488)¢~~ Per 100 cubic feet Total Gas Adjustment Charge (I)

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NATIONAL FUEL GAS  
DISTRIBUTION CORPORATION

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Gas - Pa. P.U.C. No. 9  
Fifty-~~Third~~ Revised Page No. 36A  
Canceling Fifty-~~Second~~ Revised Page No. 36A

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RESIDENTIAL SERVICE RATE SCHEDULE (cont.)

Natural Gas Supply Charge

<del>55.335</del> ¢	per 100 cubic feet	Purchased Gas Cost Component (Rider A)	(I)
<del>0.998</del> ¢	per 100 cubic feet	Merchant Function Charge (Rider G)	(I)
<del>1.149</del> ¢	per 100 cubic feet	Gas Procurement Charge (Rider H)	
<del>57.482</del> ¢	per 100 cubic feet	Total Natural Gas Supply Charge	(I)

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The Natural Gas Supply Charge shall include a Merchant Function Charge (Rider G) to recover uncollectible costs associated with purchase gas costs of 1.8032% and the Gas Procurement Charge (Rider H) to recover costs of procuring natural gas pursuant to 52 Pa. Code §62.223. The above non-purchased gas cost rates shall be subject to surcharges in accordance with the provisions of Rider B - State Tax Adjustment Surcharge. Residential rate classes shall be subject to Rider F - LIRA Discount Charge as set forth in this tariff.

RULES AND REGULATIONS

The rules and regulations set forth in this tariff shall govern, where applicable, the supply of gas service under this rate schedule.

(D) Indicates Decrease

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NATIONAL FUEL GAS  
DISTRIBUTION CORPORATION

Supplement No. 269 to  
Gas - Pa. P.U.C. No. 9  
One-Hundred-~~Seventeenth~~ Revised Page No. 41  
Canceling One-Hundred-~~Sixteenth~~ Revised Page No. 41

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COMMERCIAL AND PUBLIC AUTHORITY SERVICE RATE SCHEDULE (cont.)

APPLICABILITY

Applicable in all areas served under this tariff.

MONTHLY RATE

For "Small" Commercial/Public Authority Customers using not more than  
250,000 cubic feet per year:

Basic Service Charge  
\$27.00 per Month

Distribution Charges

27.419¢ per 100 cubic feet (I)

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Gas Adjustment Charge

(0.479)¢ per 100 cubic feet Purchased Gas Cost Component (I)  
(Rider A)

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(0.002)¢ per 100 cubic feet Merchant Function Charge (I)  
(Rider G)

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(0.481)¢ per 100 cubic feet Total Gas Adjustment Charge (I)

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Natural Gas Supply Charge

55.335¢ per 100 cubic feet Purchased Gas Cost Component (I)  
(Rider A)

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0.188¢ per 100 cubic feet Merchant Function Charge (I)  
(Rider G)

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1.149¢ per 100 cubic feet Gas Procurement Charge (Rider H)  
56.672¢ per 100 cubic feet Total Natural Gas Supply Charge (I)

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The Natural Gas Supply Charge shall include a Merchant Function Charge (Rider G) to recover uncollectible costs associated with purchase gas costs of 0.3398% and the Gas Procurement Charge (Rider H) to recover costs of procuring natural gas pursuant to 52 Pa. Code §62.223.

The above non-purchased gas cost rates shall be subject to surcharges in accordance with the provisions of Rider B - State Tax Adjustment Surcharge as set forth in this tariff.

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NATIONAL FUEL GAS  
DISTRIBUTION CORPORATION

Supplement No. ~~269~~ to  
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~~Seventy-First~~ Revised Page No. 41A  
Canceling ~~Seventieth~~ Revised Page No. 41A

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COMMERCIAL AND PUBLIC AUTHORITY SERVICE RATE SCHEDULE (Cont'd)

For "Small" Commercial/Public Authority Customers using greater than 250,000 cubic feet but not more than 1,000,000 cubic feet per year:

Basic Service Charge  
\$37.00 per Month

Distribution Charges  
24.980¢ per 100 cubic feet (I)

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Gas Adjustment Charge  
(0.479)¢ per 100 cubic feet Purchased Gas Cost Component (I)  
(Rider A)  
(0.002)¢ per 100 cubic feet Merchant Function Charge (I)  
(Rider G)  
(0.481)¢ per 100 cubic feet Total Gas Adjustment Charge (I)

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Natural Gas Supply Charge  
55.335¢ per 100 cubic feet Purchased Gas Cost Component (I)  
(Rider A)  
0.188¢ per 100 cubic feet Merchant Function Charge (I)  
(Rider G)  
1.149¢ per 100 cubic feet Gas Procurement Charge (Rider H)  
56.672¢ per 100 cubic feet Total Natural Gas Supply Charge (I)

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The Natural Gas Supply Charge shall include a Merchant Function Charge (Rider G) to recover uncollectible costs associated with purchase gas costs of 0.3398% and the Gas Procurement Charge (Rider H) to recover costs of procuring natural gas pursuant to 52 Pa. Code §62.223.

The above non-purchased gas cost rates shall be subject to surcharges in accordance with the provisions of Rider B - State Tax Adjustment Surcharge as set forth in this tariff.

(D) Indicates Decrease

(I) Indicates Increase

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NATIONAL FUEL GAS  
DISTRIBUTION CORPORATION

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Gas - Pa. P.U.C. No. 9  
One-Hundred-~~Seventeenth~~ Revised Page No. 42  
Canceling One-Hundred-~~Sixteenth~~ Revised Page No. 42

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Commercial and Public Authority Service Rate Schedule (Cont'd)

For "Large" Commercial/Public Authority Customers:

Basic Service Charge  
\$151.00 per Month

Distribution Charges  
~~21.047~~¢ per 100 cubic feet (I)

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Gas Adjustment Charge  
~~(0.479)~~¢ per 100 cubic feet Purchased Gas Cost Component (I)  
(Rider A)  
~~(0.002)~~¢ per 100 cubic feet Merchant Function Charge (I)  
(Rider G)  
~~(0.481)~~¢ per 100 cubic feet Total Gas Adjustment Charge (I)

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Natural Gas Supply Charge  
~~55.335~~¢ per 100 cubic feet Purchased Gas Cost Component (I)  
(Rider A)  
0.188¢ per 100 cubic feet Merchant Function Charge (I)  
(Rider G)  
1.149¢ per 100 cubic feet Gas Procurement Charge  
(Rider H)  
~~56.672~~¢ per 100 cubic feet Total Natural Gas Supply Charge (I)

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The Natural Gas Supply Charge shall include a Merchant Function Charge (Rider G) to recover uncollectible costs associated with purchase gas costs of 0.3398% and the Gas Procurement Charge (Rider H) to recover costs of procuring natural gas pursuant to 52 Pa. Code §62.223.

The above non-purchased gas cost rates shall be subject to surcharges in accordance with the provisions of Rider B - State Tax Adjustment Surcharge as set forth in this tariff.

APPLICATION PERIOD

The Application Period shall be the twelve months beginning March 1 of each year.

RULES AND REGULATIONS

The Rules and Regulations set forth in this tariff shall govern, where applicable, the supply of gas service under this rate schedule.

(D) Indicates Decrease

(I) Indicates Increase

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NATIONAL FUEL GAS  
DISTRIBUTION CORPORATION

Supplement No. 269 to  
Gas - Pa. P.U.C. No. 9  
One-Hundred-Ninth Revised Page No. 50  
Canceling One-Hundred-Eighth Revised Page No. 50

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B. COMMODITY CHARGES FOR SALES AND FOR TRANSPORTATION SERVICE

1. Commodity Charge for Sales Service

The monthly Commodity Charge for Sales Service shall be the product of multiplying the rate per Mcf, determined as provided below, by the volume of gas sold to the Customer by the Company during the applicable billing cycle.

The rate per Mcf shall be determined as follows and shall be \$3.8678 (I) per Mcf, subject to revision as provided below:

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The current components of the rate are as follows:

Purchased Gas Commodity  
Costs, set forth in Rider "A" \$3.3112/Mcf (I)  
Non Gas Costs \$0.5566/Mcf

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a. Determination of Rate per Mcf

The rate per Mcf shall be the sum of:

1. The net amount per Mcf for recovery of the commodity component of purchased gas costs and for recovery or refund of "E" factor amounts, the "PGCC", as determined in Rider "A" - Section 1307(f) Purchased Gas Costs of this tariff; plus
2. The amount of \$0.5566 per Mcf for recovery of non-gas costs.

Each time there is a change in the provision for recovery of purchased gas costs pursuant to Rider "A" of this tariff, a recomputation shall be made of the commodity component of purchased gas costs (Item 1, above) and the rate per Mcf shall be changed accordingly. The component included in the rate for recovery of non-gas costs shall remain constant until changed in accordance with a procedure, other than a proceeding pursuant to Section 1307(f) of the Public Utility Code, 66 Pa.C.S. Section 1307(f).

2. Commodity Charge for Transportation Service

The monthly Commodity Charge for Transportation Service shall be the product of multiplying the rate per Mcf, determined as provided below, by the volume of gas transported by the Company to the Customer's load balancing facilities.

The rate per Mcf for transportation of gas under this rate schedule shall be \$1.1366 per Mcf, which includes \$0.5566 for recovery of non-gas costs and \$0.5800 for recovery of purchased gas. (I)

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NATIONAL FUEL GAS  
DISTRIBUTION CORPORATION

Supplement No. ~~269~~ to  
Gas - Pa. P.U.C. No. 9  
One-Hundred-~~Fourteenth~~ Revised Page No. 53  
Canceling One-Hundred-~~Thirteenth~~ Revised Page No. 53

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SVIS  
Small Volume Industrial Service Rate Schedule (Cont'd)

MONTHLY RATE

Basic Service Charge  
\$82.00 per Month

Distribution Charges  
~~25.147~~¢ per 100 cubic feet (I)

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Gas Adjustment Charge  
~~(0.479)~~¢ per 100 cubic feet Purchased Gas Cost Component (I)  
(Rider A)  
~~(0.002)~~¢ per 100 cubic feet Merchant Function Charge (I)  
(Rider G)  
~~(0.481)~~¢ per 100 cubic feet Total Gas Adjustment Charge (I)

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Natural Gas Supply Charge  
~~55.335~~¢ per 100 cubic feet Purchased Gas Cost Component (I)  
(Rider A)  
0.188¢ per 100 cubic feet Merchant Function Charge (I)  
(Rider G)  
1.149¢ per 100 cubic feet Gas Procurement Charge  
(Rider H)  
~~56.672~~¢ per 100 cubic feet Total Natural Gas Supply Charge (I)

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The Natural Gas Supply Charge shall include a Merchant Function Charge (Rider G) to recover uncollectible costs associated with purchase gas costs of 0.3398% and the Gas Procurement Charge (Rider H) to recover costs of procuring natural gas pursuant to 52 Pa. Code §62.223.

The above non-purchased gas cost rates shall be subject to surcharges in accordance with the provisions of Rider B - State Tax Adjustment Surcharge.

APPLICATION PERIOD

The Application Period shall be the twelve months beginning March 1 of each year.

RULES AND REGULATIONS

The Rules and Regulations set forth in this tariff shall govern, where applicable, the supply of gas service under this rate schedule.

(D) Indicates Decrease

(I) Indicates Increase

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NATIONAL FUEL GAS  
DISTRIBUTION CORPORATION

Supplement No. ~~269~~ to  
Gas - Pa. P.U.C. No. ~~9~~  
One-Hundred-~~Fourteenth~~ Revised Page No. 55  
Canceling One-Hundred-~~Thirteenth~~ Revised Page No. 55

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IVIS

INTERMEDIATE VOLUME INDUSTRIAL SERVICE RATE SCHEDULE (Cont'd)  
MONTHLY RATE

Basic Service Charge  
\$252.00 per Month

Distribution Charges  
17. ~~772~~¢ per 100 cubic feet (I)

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Gas Adjustment Charge  
~~(0.479)~~¢ per 100 cubic feet Purchased Gas Cost Component (I)  
(Rider A)  
~~(0.002)~~¢ per 100 cubic feet Merchant Function Charge (I)  
(Rider G)  
~~(0.481)~~¢ per 100 cubic feet Total Gas Adjustment Charge (I)

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Natural Gas Supply Charge  
~~55.335~~¢ per 100 cubic feet Purchased Gas Cost Component (I)  
(Rider A)  
0. ~~188~~¢ per 100 cubic feet Merchant Function Charge (I)  
(Rider G)  
1.149¢ per 100 cubic feet Gas Procurement Charge (Rider H)  
~~56.672~~¢ per 100 cubic feet Total Natural Gas Supply Charge (I)

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The Natural Gas Supply Charge shall include a Merchant Function Charge (Rider G) to recover uncollectible costs associated with purchase gas costs of 0.3398% and the Gas Procurement Charge (Rider H) to recover costs of procuring natural gas pursuant to 52 Pa. Code §62.223.

The above non-purchased gas cost rates shall be subject to surcharges in accordance with the provisions of Rider B - State Tax Adjustment Surcharge as set forth in this tariff.

APPLICATION PERIOD

The Application Period shall be the twelve months beginning March 1 of each year.

RULES AND REGULATIONS

(D) Indicates Decrease

(I) Indicates Increase

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NATIONAL FUEL GAS  
DISTRIBUTION CORPORATION

Supplement No. ~~269~~ to  
Gas - Pa. P.U.C. No. 9  
One-Hundred-~~Fifth~~ Revised Page No. 62  
Canceling One-Hundred-~~Fourth~~ Revised Page No. 62

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2. Margin Demand Charge

- a. The rate per Margin BDU shall be \$.5122 per Margin BDU.
- b. Determination of Customer's Margin BDUs

The Customer's Margin BDUs shall be determined as follows: The actual deliveries of gas to the Customer by Company, including not only volumes of gas purchased by the Customer from the Company and used by the Customer in the separately-metered load balancing facilities but also volumes of Customer-owned gas transported to the Customer's load balancing facilities through the Company's facilities, during such Customer's Peak billing Cycle, as defined hereinafter, shall be multiplied by a fraction. The numerator shall be the number 30. The denominator shall be the number of days of service for which such Customer was billed in such Customer's Peak Billing Cycle.

The Customer's Peak Billing Cycle shall be the single billing cycle of maximum delivery to the Customer's separately-metered load balancing facilities that ended during one of the months of December, January, February and March during the period beginning with the most recently-completed billing cycle ended in December and ending with the current billing cycle.

If the customer used no gas under this rate schedule during the most recently concluded billing cycles ended in December, January, February or March, then the level of Margin BDUs applicable to Customer shall be zero (0).

B. COMMODITY CHARGES FOR SALES AND FOR TRANSPORTATION SERVICE

1. Commodity Charge for Sales Service

The monthly Commodity Charge for Sales Service shall be the product of multiplying the rate per Mcf, determined as provided below, by the volume of gas sold to the Customer by the Company during the applicable billing cycle.

The rate per Mcf shall be determined as follows and shall be ~~\$3.6920~~ per (I) Mcf, subject to revision as provided below:

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The current components of the rate are as follows:

Purchased Gas Commodity		
Costs, set forth in Rider "A"	<del>\$3.3112</del> /Mcf	(I)
Non Gas Costs	\$0.3808/Mcf	

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a. Determination of Rate per Mcf

The rate per Mcf shall be the sum of:

1. The net amount per Mcf for recovery of the commodity component of purchased gas costs and for recovery or refund of "E" factor amounts, the "PGCC", as determined in Rider "A" - Section 1307(f) Purchased Gas Costs of this tariff; plus

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NATIONAL FUEL GAS  
DISTRIBUTION CORPORATION

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Gas - Pa. P.U.C. No. 9  
Forty-~~Third~~ Revised Page No. 63  
Canceling Forty-~~Second~~ Revised Page No. 63

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2. The amount of \$0.3808 per Mcf for recovery of non-gas costs.

Each time there is a change in the provision for recovery of purchased gas costs pursuant to Rider "A" of this tariff, a recomputation shall be made of the commodity component of purchased gas costs (Item 1, above) and the rate per Mcf shall be changed accordingly. The component included in the rate for recovery of non-gas costs shall remain constant until changed in accordance with a procedure, other than a proceeding pursuant to Section 1307(f) of the Public Utility Code, 66 Pa.C.S. Section 1307(f).

2. Commodity Charge for Transportation Service

The monthly Commodity Charge for Transportation Service shall be the product of multiplying the rate per Mcf, determined as provided below, by the volume of gas transported by the Company to the Customer's load balancing facilities.

The rate per Mcf for transportation of gas under this rate schedule (I) shall be \$0.~~9608~~ per Mcf, which includes \$0.3808 for recovery of non-gas costs and \$0.~~5800~~ for recovery of purchased gas.

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V. SURCHARGE

The non-purchased gas cost Demand Charges and the non-purchased gas cost Commodity Charge for Sales Service and the non-purchased gas cost Commodity Charge for Transportation Service shall be subject to surcharges in accordance with provisions of Rider B - State Tax Adjustment Surcharge.

VI. AMOUNTS TO BE INCLUDED IN OVER/UNDERCOLLECTION OF GAS COSTS

Purchased gas cost revenues billed under this rate schedule shall be included as revenues for recovery of gas costs for purposes of computing Factor "E" of Company's 1307(f) rate in accordance with procedures set forth in Rider "A" - Section 1307(f) Purchased Gas Costs.

VII. SPECIAL PROVISIONS

Monthly metered Special Provisions A through J contained in the Company's Rate Schedule for Transportation Service shall apply to transportation service under this rate schedule.

VIII. RULES AND REGULATIONS

The rules and regulations set forth in this tariff shall govern, where applicable, the supply of gas service under this rate schedule.

(D) Indicates Decrease

(I) Indicates Increase

Issued: ~~January 31, 2024~~

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NATIONAL FUEL GAS  
DISTRIBUTION CORPORATION

Supplement No. ~~269~~ to  
Gas - Pa. P.U.C. No. 9  
One-Hundred-~~Fourteenth~~ Revised Page No. 65  
Canceling One-Hundred-~~Thirteenth~~ Revised Page No. 65

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LVIS

Large Volume Industrial Service (Cont'd)

- C. An Industrial Customer, for which the Company estimates that the total volumes of gas purchased from the Company or transported by the Company during the next succeeding twelve months will be not less than 50,000 Mcf, if the Industrial Customer has used total volumes of gas in at least one billing month of not less than 4,167 Mcf, even if the Customer disagrees with the Company's estimate.
- D. An Industrial Customer for which the Company estimates that total volumes of gas to be used by the customer during the next succeeding twelve months will not be less than 50,000 Mcf of gas per year whether the gas is purchased by the Industrial Customer from the Company, delivered by the Company to the Industrial Customer, or obtained by the customer from another source.

An Industrial Customer that meets the above criteria under this rate schedule at the beginning of an Application Period is required to continue to be subject to this rate schedule during all months of such Application Period. An Industrial Customer that meets the above criteria under this rate schedule during an Application Period is required to continue to be subject to this rate schedule during all or remaining months of such Application Period.

MONTHLY RATE

Basic Service Charge  
\$1,023.00 per Month

Distribution Charges  
14.668¢ per 100 cubic feet (I)

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Gas Adjustment Charge

(0.479)¢	per 100 cubic feet	Purchased Gas Cost Component (Rider A)	(I)
(0.002)¢	per 100 cubic feet	Merchant Function Charge (Rider G)	(I)
(0.481)¢	Per 100 cubic feet	Total Gas Adjustment Charge	(I)

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(D) Indicates Decrease

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Issued: ~~January 31, 2024~~ Effective: ~~August 1, 2024~~

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NATIONAL FUEL GAS  
DISTRIBUTION CORPORATION

Supplement No. ~~269~~ to  
Gas - Pa. P.U.C. No. 9  
Sixty-~~Eighth~~ Revised Page No. 66  
Canceling Sixty-~~Seventh~~ Revised Page No. 66

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LVIS  
Large Volume Industrial Service (Cont'd)

Natural Gas Supply Charge

<del>55.335</del> ¢	per 100 cubic feet	Purchased Gas Cost Component (I) (Rider A)
0.188¢	per 100 cubic feet	Merchant Function Charge (I) (Rider G)
1.149¢	per 100 cubic feet	Gas Procurement Charge (Rider H)
<del>56.672</del> ¢	per 100 cubic feet	Total Natural Gas Supply (I) Charge

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The Natural Gas Supply Charge shall include a Merchant Function Charge (Rider G) to recover uncollectible costs associated with purchase gas costs of 0.3398% and the Gas Procurement Charge (Rider H) to recover costs of procuring natural gas pursuant to 52 Pa. Code §62.223.

The above non-purchased gas cost rates shall be subject to surcharges in accordance with provisions of Rider B - State Tax Adjustment Surcharge.

RULES AND REGULATIONS

The Rules and Regulations set forth in this tariff shall govern, where applicable, the supply of gas service under this rate schedule.

APPLICABLE PERIOD

The Application Period shall be the twelve months beginning March 1 of each year.

(D) Indicates Decrease

(I) Indicates Increase

Issued: ~~January 31, 2024~~

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2. Margin Demand Charge

- a. The rate per Margin BDU shall be \$.3182 per Margin BDU.
- b. Determination of Customer's Margin BDUs

The Customer's Margin BDUs shall be determined as follows: The actual deliveries of gas to the Customer by Company, including not only volumes of gas purchased by the Customer from the Company and used by the Customer in the separately-metered load balancing facilities but also volumes of Customer-owned gas transported to the Customer's load balancing facilities through the Company's facilities, during such Customer's Peak billing Cycle, as defined hereinafter, shall be multiplied by a fraction. The numerator shall be the number 30. The denominator shall be the number of days of service for which such Customer was billed in such Customer's Peak Billing Cycle.

The Customer's Peak Billing Cycle shall be the single billing cycle of maximum delivery to the Customer's separately-metered load balancing facilities that ended during one of the months of December, January, February and March during the period beginning with the most recently-completed billing cycle ended in December and ending with the current billing cycle.

If the customer used no gas under this rate schedule during the most recently concluded billing cycles ended in December, January, February or March, then the level of Margin BDUs applicable to Customer shall be zero (0).

B. COMMODITY CHARGES FOR SALES AND FOR TRANSPORTATION SERVICE

1. Commodity Charge for Sales Service

The monthly Commodity Charge for Sales Service shall be the product of multiplying the rate per Mcf, determined as provided below, by the volume of gas sold to the Customer by the Company during the applicable billing cycle.

The rate per Mcf shall be determined as follows and shall be ~~\$3.5585~~ per (I) Mcf, subject to revision as provided below:

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The current components of the rate are as follows:

Purchased Gas Commodity		
Costs, set forth in Rider "A"	<del>\$3.3112</del> /Mcf	(I)
Non Gas Costs	\$0.2473/Mcf	

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a. Determination of Rate per Mcf

The rate per Mcf shall be the sum of:

- 1. The net amount per Mcf for recovery of the commodity component of purchased gas costs and for recovery or refund of "E" factor amounts, the "PGCC", as determined in Rider "A" - Section 1307(f) Purchased Gas Costs of this tariff; plus

D) Indicates Decrease

(I) Indicates Increase

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NATIONAL FUEL GAS  
DISTRIBUTION CORPORATION

Supplement No. 26~~9~~ to  
Gas - Pa. P.U.C. No. 9  
Forty-~~Third~~ Revised Page No. 74  
Canceling Forty-~~Second~~ Revised Page No. 74

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2. The amount of \$0.2473 per Mcf for recovery of non-gas costs.

Each time there is a change in the provision for recovery of purchased gas costs pursuant to Rider "A" of this tariff, a recomputation shall be made of the commodity component of purchased gas costs (Item 1, above) and the rate per Mcf shall be changed accordingly. The component included in the rate for recovery of non-gas costs shall remain constant until changed in accordance with a procedure, other than a proceeding pursuant to Section 1307(f) of the Public Utility Code, 66 Pa.C.S. Section 1307(f).

2. Commodity Charge for Transportation Service

The monthly Commodity Charge for Transportation Service shall be the product of multiplying the rate per Mcf, determined as provided below, by the volume of gas transported by the Company to the Customer's load balancing facilities.

The rate per Mcf for transportation of gas under this rate schedule (I)  
shall be \$0.~~8273~~ per Mcf, which includes \$0.2473 for recovery of non-gas costs  
and \$0.~~5800~~ for recovery of purchased gas. (I)

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V. SURCHARGE

The non-purchased gas cost Demand Charges and the non-purchased gas cost Commodity Charge for Sales Service and the non-purchased gas cost Commodity Charge for Transportation Service shall be subject to surcharges in accordance with provisions of Rider B - State Tax Adjustment Surcharge as set forth in this tariff.

VI. AMOUNTS TO BE INCLUDED IN OVER/UNDERCOLLECTION OF GAS COSTS

Purchased gas cost revenues billed under this rate schedule shall be included as revenues for recovery of gas costs for purposes of computing Factor "E" of Company's 1307(f) rate in accordance with procedures set forth in Rider "A" - Section 1307(f) Purchased Gas Costs.

VII. SPECIAL PROVISIONS

Monthly metered Special Provisions A through J contained in the Company's Rate Schedule for Transportation Service shall apply to transportation service under this rate schedule.

VIII. RULES AND REGULATIONS

The rules and regulations set forth in this tariff shall govern, where applicable, the supply of gas service under this rate schedule.

(D) Indicates Decrease

(I) Indicates Increase

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NATIONAL FUEL GAS  
DISTRIBUTION CORPORATION

Supplement No. ~~269~~ to  
Gas - Pa. P.U.C. No. 9  
One-Hundred-~~Eleventh~~ Revised Page No. 76  
Canceling One-Hundred-~~Twelfth~~ Revised Page No. 76

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LIS

Large Industrial Service (Cont'd)

C. An Industrial Customer, for which the Company estimates that the total volumes of gas purchased from the Company or transported by the Company during the next succeeding twelve months will be not less than 200,000 Mcf, if the Industrial Customer has used total volumes of gas in at least one billing month of not less than 17,000 Mcf, even if the Customer disagrees with the Company's estimate.

An Industrial Customer that meets the above criteria under this rate schedule at the beginning of an Application Period is required to continue to be subject to this rate schedule during all months of such Application Period. An Industrial Customer that meets the above criteria under this rate schedule during an Application Period is required to continue to be subject to this rate schedule during all or remaining months of such Application Period.

MONTHLY RATE

Basic Service Charge  
\$1,165.00 per Month

Distribution Charges  
~~10.418¢~~ per 100 cubic feet (I)

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Gas Adjustment Charge  
~~(0.479)¢~~ per 100 cubic feet Purchased Gas Cost Component (I)  
(Rider A)  
~~(0.002)¢~~ per 100 cubic feet Merchant Function Charge (I)  
(Rider G)  
~~(0.481)¢~~ per 100 cubic feet Total Gas Adjustment Charge (I)

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NATIONAL FUEL GAS  
DISTRIBUTION CORPORATION

Supplement No. ~~269~~ to  
Gas - Pa. P.U.C. No. 9  
Fifty-~~Third~~ Revised Page No. 76A  
Canceling Fifty-~~Second~~ Revised Page No. 76A

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LIS  
Large Industrial Service (Cont'd)

Natural Gas Supply Charge

<del>55.335¢</del>	per 100 cubic feet	Purchased Gas Cost Component (I) (Rider A)
<del>0.188¢</del>	per 100 cubic feet	Merchant Function Charge (I) (Rider G)
<del>1.149¢</del>	per 100 cubic feet (Rider H)	Gas Procurement Charge
<del>56.672¢</del>	per 100 cubic feet	Total Natural Gas Supply (I) Charge

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The Natural Gas Supply Charge shall include a Merchant Function Charge (Rider G) to recover uncollectible costs associated with purchase gas costs of 0.3398% and the Gas Procurement Charge (Rider H) to recover costs of procuring natural gas pursuant to 52 Pa. Code §62.223.

The above non-purchased gas cost rates shall be subject to surcharges in accordance with provisions of Rider B - State Tax Adjustment Surcharge.

GAS SHORTAGE CURTAILMENT

Service under this schedule to an LIS Industrial Customer is subject to curtailment and excess consumption penalty as set forth in Rule 26 of this tariff.

RULES AND REGULATIONS

The rules and regulations set forth in this tariff shall govern, where applicable, the supply of gas service under this rate schedule.

(D) Indicates Decrease

(I) Indicates Increase

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NATIONAL FUEL GAS  
DISTRIBUTION CORPORATION

Supplement No. ~~269~~ to  
Gas - Pa. P.U.C. No. 9  
One-Hundred-~~Fifth~~ Revised Page No. 80  
Canceling One-Hundred-~~Fourth~~ Revised Page No. 80

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2. Margin Demand Charge

- a. The rate per Margin BDU shall be \$.2517 per Margin BDU.
- b. Determination of Customer's Margin BDUs

The Customer's Margin BDUs shall be determined as follows: The actual deliveries of gas to the Customer by Company, including not only volumes of gas purchased by the Customer from the Company and used by the Customer in the separately-metered load balancing facilities but also volumes of Customer-owned gas transported to the Customer's load balancing facilities through the Company's facilities, during such Customer's Peak billing Cycle, as defined hereinafter, shall be multiplied by a fraction. The numerator shall be the number 30. The denominator shall be the number of days of service for which such Customer was billed in such Customer's Peak Billing Cycle.

The Customer's Peak Billing Cycle shall be the single billing cycle of maximum delivery to the Customer's separately-metered load balancing facilities that ended during one of the months of December, January, February and March during the period beginning with the most recently-completed billing cycle ended in December and ending with the current billing cycle.

If the customer used no gas under this rate schedule during the most recently concluded billing cycles ended in December, January, February or March, then the level of Margin BDUs applicable to Customer shall be zero (0).

B. COMMODITY CHARGES FOR SALES AND FOR TRANSPORTATION SERVICE

1. Commodity Charge for Sales Service

The monthly Commodity Charge for Sales Service shall be the product of multiplying the rate per Mcf, determined as provided below, by the volume of gas sold to the Customer by the Company during the applicable billing cycle.

The rate per Mcf shall be determined as follows and shall be ~~\$3.5036~~ per (I) Mcf, subject to revision as provided below:

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The current components of the rate are as follows:

Purchased Gas Commodity		
Costs, set forth in Rider "A"	<del>\$3.3112</del> /Mcf	(I)
Non Gas Costs	\$0.1924/Mcf	

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a. Determination of Rate per Mcf

The rate per Mcf shall be the sum of:

(D) Indicates Decrease

(I) Indicates Increase

Issued: ~~January 31, 2024~~

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NATIONAL FUEL GAS  
DISTRIBUTION CORPORATION

Supplement No. 269, to  
Gas - Pa. P.U.C. No. 9  
Forty-Fourth Revised Page No. 81  
Canceling Forty-Third Revised Page No. 81

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1. The net amount per Mcf for recovery of the commodity component of purchased gas costs and for recovery or refund of "E" factor amounts, the "PGCC", as determined in Rider "A" - Section 1307(f) Purchased Gas Costs of this tariff; plus

2. The amount of \$.1924 per Mcf for recovery of non-gas costs.

Each time there is a change in the provision for recovery of purchased gas costs pursuant to Rider "A" of this tariff, a recomputation shall be made of the commodity component of purchased gas costs (Item 1, above) and the rate per Mcf shall be changed accordingly. The component included in the rate for recovery of non-gas costs shall remain constant until changed in accordance with a procedure, other than a proceeding pursuant to Section 1307(f) of the Public Utility Code, 66 Pa.C.S. Section 1307(f).

2. Commodity Charge for Transportation Service

The monthly Commodity Charge for Transportation Service shall be the product of multiplying the rate per Mcf, determined as provided below, by the volume of gas transported by the Company to the Customer's load balancing facilities.

The rate per Mcf for transportation of gas under this rate schedule shall be \$0.7724, per Mcf, which includes \$0.1924 for recovery of non-gas costs and \$0.5800 for recovery of purchased gas. (I)

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V. SURCHARGE (I)

The non-purchased gas cost Demand Charges and the non-purchased gas cost Commodity Charge for Sales Service and the non-purchased gas cost Commodity Charge for Transportation Service shall be subject to surcharges in accordance with provisions of Rider B - State Tax Adjustment Surcharge as set forth in this tariff.

VI. AMOUNTS TO BE INCLUDED IN OVER/UNDERCOLLECTION OF GAS COSTS

Purchased gas cost revenues billed under this rate schedule shall be included as revenues for recovery of gas costs for purposes of computing Factor "E" of Company's 1307(f) rate in accordance with procedures set forth in Rider "A" - Section 1307(f) Purchased Gas Costs.

VII. SPECIAL PROVISIONS

Monthly metered Special Provisions A through J contained in the Company's Rate Schedule for Transportation Service shall apply to transportation service under this rate schedule.

VIII. RULES AND REGULATIONS

The rules and regulations set forth in this tariff shall govern, where applicable, the supply of gas service under this rate schedule.

(D) Indicates Decrease

(I) Indicates Increase

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NATIONAL FUEL GAS  
DISTRIBUTION CORPORATION

Supplement No. ~~269~~ to  
Gas - Pa. P.U.C. No. 9  
One-Hundred-~~Third~~ Revised Page No. 82  
Canceling One-Hundred-~~Second~~ Revised Page No. 82

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RATE SCHEDULE - NGV

NATURAL GAS VEHICLE SERVICE

I. APPLICABILITY

Throughout the territory served under this tariff.

II. AVAILABILITY

Sales Service under this rate schedule is available for use of natural gas by a customer directly in a natural gas motor vehicle ("NGV").

III. NATURE OF SERVICE

Service provided in this rate schedule shall be firm service subject to the curtailment priorities of Rule 26. For curtailment purposes, service under this rate schedule shall be defined as curtailment priority number (6), firm large noncritical commercial and industrial requirements other than requirement for boiler fuel use.

IV. RATE

Rates per 100 cu. Ft. shall be established by the Company on the first day of each calendar month for each of the categories set forth below to compete with alternative vehicle fuels. The rates shall not be less than the 100% load factor base cost of gas, plus the take-or-pay surcharge, plus the surcharge for Transition Cost, plus the incremental operating cost incurred by the Company for operating Company owned NGV compression equipment on a per Ccf basis, if any, plus \$0.01 per cu. ft., plus the state tax adjustment surcharge, and not more than the tailblock rate of the Commercial and Public Authority Service Rate Schedule, including all applicable surcharges, plus the incremental operating cost incurred by the Company for operating Company owned NGV compression equipment on a per Ccf basis, if any.

The 100% load factor base cost of gas shall be \$0.26631 per 100 cu. ft. (I)  
(as calculated by adding the purchase gas components of the Load Balancing Service Rates).

Purchased Gas 100% Load Factor Demand Cost	\$0. <del>12315</del> /Ccf	(I)
plus Purchased Gas Commodity Cost Equals	\$0. <del>33112</del> /Ccf	(I)
100% Load Factor Base Cost of Gas	\$0. <del>45427</del> /Ccf	(I)

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The incremental operating cost for compression shall be \$0.13436/Ccf.

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(I) Indicates Increase

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NATIONAL FUEL GAS  
DISTRIBUTION CORPORATION

Supplement No. ~~269~~ to  
Gas - Pa. P.U.C. No. 9  
One-Hundred-Twenty-~~Sixth~~ Revised Page No. 83  
Canceling One-Hundred-Twenty-~~Fifth~~ Revised Page No. 83

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Natural gas vehicle customers are classified into the following categories:

NGV(1) All natural gas vehicle customers utilizing Company owned filling facilities. A uniform rate shall be established each month within the parameters set forth above, for customers utilizing Company-owned filling facilities.

The minimum NGV(1) rate shall be: \$0. ~~59863~~/Ccf (I)

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The current components of the minimum NGV(1) rate are as follows:

100% load factor base cost of gas: \$0. ~~45427~~/Ccf (I)  
Incremental operating cost of Company owned NGV compression equipment: \$0.13436/Ccf  
Transition Cost Surcharge \$0.00000/Ccf  
State Tax Adjustment Surcharge \$0.00000/Ccf  
Minimum allowable Non-Gas cost \$0.01000/Ccf

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The maximum NGV(1) rate shall be: \$0. ~~90674~~/Ccf (I)

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The current components of the maximum NGV(1) rate are as follows:

Tailblock rate of the Commercial and Public Authority Service Rate schedule: \$0. ~~77238~~/Ccf (I)  
Incremental operating cost of Company owned NGV compression equipment: \$0.13436/Ccf  
State Tax Adjustment Surcharge \$0.00000/Ccf

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NGV(2) Natural gas vehicle customers utilizing customer owned filling facilities. A uniform rate will be established each month within the parameters set forth above, to customers utilizing customer owned filling facilities.

The minimum NGV(2) rate shall be: \$0. ~~46427~~/Ccf (I)

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The current components of the minimum NGV(2) rate are as follows:

100% load factor base cost of gas: \$0. ~~45427~~/Ccf (I)  
Transition Cost Surcharge \$0.00000/Ccf  
State Tax Adjustment Surcharge \$0.00000/Ccf  
Minimum allowable Non-Gas cost \$0.01000/Ccf

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The maximum NGV(2) rate shall be: \$0. ~~77238~~/Ccf (I)

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(D) Indicates Decrease

(I) Indicates Increase

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NATIONAL FUEL GAS  
DISTRIBUTION CORPORATION

Supplement No. ~~269~~ to  
Gas - Pa. P.U.C. No. 9  
One-Hundred-~~Twentieth~~ Revised Page No. 84  
Canceling One-Hundred-~~Nineteenth~~ Revised Page No. 84

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The current components of the maximum NGV(2) rate are  
as follows:

Tailblock rate of the Commercial and Public Authority  
Service Rate schedule:  
State Tax Adjustment Surcharge

\$0. ~~77238~~ /Ccf (I)  
\$0.00000/Ccf

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V. SURCHARGE

All non-purchased gas cost charges under this rate schedule will be  
subject to surcharges in accordance with provisions of Rider B - State Tax  
Adjustment Surcharge as set forth in this tariff.

VI. AMOUNTS TO BE INCLUDED IN OVER/UNDERCOLLECTION OF GAS COSTS

Purchased gas cost revenues billed under this rate schedule shall be  
included as revenues for recovery of gas costs for purposes of computing  
Factor "E" of Company's 1307(f) rate in accordance with procedures set forth  
in Rider "A" - section 1307(f) Purchased Gas Costs. Purchased gas cost  
revenues recovered under this rate schedule shall be the 100% load factor base  
cost of gas as defined above.

VII. RULES AND REGULATIONS

The rules and regulations set forth in this tariff shall govern, where  
applicable, the supply of gas service under this rate schedule.

(D) Indicates Decrease

(I) Indicates Increase

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NATIONAL FUEL GAS  
DISTRIBUTION CORPORATION

Supplement No. ~~269~~ to  
Gas - Pa. P.U.C. No. 9  
Seventy-~~Eighth~~ Revised Page No. 93  
Canceling Seventy-~~Seventh~~ Revised Page No. 93

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RATE SCHEDULE PSB

PRIORITY STANDBY SERVICE

APPLICABILITY

Throughout the territory served under this tariff.

AVAILABILITY OF SERVICE

Service under this rate schedule is available to all customers under the Residential, Commercial and Public Authority, and SVIS Rate Schedules which enter into a contract for service under this Rate Schedule. A customer will be permitted to enter into a contract, prepared by the Company, for service under this rate schedule, however, only if the Company projects that sufficient volumes of gas will be available to the Company during the period of the customer's contract for Priority Standby Service.

Service under this rate schedule is mandatory for all customers categorized as Priority 1 under the curtailment priorities of Rule 26 who enter into contracts with the Company to receive Transportation Service and who do not have dual or alternate fuel equipment on site which is installed and operable with sufficient amounts of alternate fuel available on site during each winter period of each year commencing on December 1 and ending on March 31 of the following year. Service under this rate schedule is voluntary for all other customers.

NATURE OF SERVICE

Priority standby service shall permit the customer to purchase gas on a firm basis subject to curtailment priorities of Rule 26. The Company will take all reasonable steps to obtain or to maintain gas supplies sufficient to enable the Company to provide reasonably continuous service to each Customer receiving Priority Standby Service.

MONTHLY RATE

The monthly rate shall be \$1.~~3432~~ per Mcf, which shall be applied to the total monthly volumes transported by the customer during the month. (I)

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The rate shall equal the PGDC portion of the commodity rate applicable to the corresponding sales rate classification.

(D) Indicates Decrease

(I) Indicates Increase

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NATIONAL FUEL GAS  
DISTRIBUTION CORPORATION

Supplement No. ~~269~~ to  
Gas - Pa. P.U.C. No. 9  
~~Seventy-Eighth~~ Revised Page No. 95  
Canceling ~~Seventy-Seventh~~ Revised Page No. 95

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MONTHLY RATE

The monthly rate shall be \$0.~~6326~~ per Mcf, which shall be applied to the (I)  
Monthly Volume, as defined below.

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MONTHLY VOLUME

The Mcf volume of gas to which the Monthly Rate set forth above shall be  
applied, shall be determined for each billing cycle, as set forth below;

1. The volume of gas specified in the Service Agreement under this rate schedule shall be adjusted for each billing cycle by, multiplying such volume, expressed in Mcf, by a fraction. The numerator of the fraction shall be the number of days in the billing cycle applicable to the customer and the denominator shall be thirty (30).
2. If the volume determined under item 1, above, is greater than the sum of the Mcf volume of gas purchased by the customer under rate schedules other than load balancing rate schedules during the billing cycle, the Monthly Rate shall be applied to the difference between: (a) the volume determined under item 1, above, and (b) the Mcf volume of gas purchased by the customer under the rate schedules other than load balancing rate schedules during such billing cycle.
3. If the volume determined under item 1, above, is equal to or less than the Mcf volume of gas purchased by the customer under rate schedules other than load balancing rate schedules during the billing cycle, then the Monthly Volume shall be zero (0) Mcf.

(D) Indicates Decrease

(I) Indicates Increase

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Effective: ~~August 1, 2024~~

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NATIONAL FUEL GAS  
DISTRIBUTION CORPORATION

Supplement No. 269 to  
Gas - Pa. P.U.C. No. 9  
Fifty-Fourth Revised Page No. 100  
Canceling Fifty-Third Revised Page No. 100

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RATE SCHEDULE FOR MONTHLY METERED TRANSPORTATION SCHEDULE (cont'd)

MONTHLY RATES

Commodity Rates

The commodity rates set forth below contain a component, presently  
\$0.5800 per Mcf, for recovery of purchased gas costs.

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For transportation of gas to Residential Customers, the monthly rate for  
transportation of gas both within and outside the Commonwealth of  
Pennsylvania shall be:

\$3.5411, Mcf

(I)

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For transportation of gas to Commercial and Public Authority Customers,  
the monthly rate for transportation of gas produced within the  
Commonwealth of Pennsylvania shall be:

\$2.8794, per Mcf for Small Commercial/Public Authority using not more  
than 250 Mcf per year

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\$2.6355, per Mcf for Small Commercial/Public Authority using greater  
than 250 Mcf but not more than 1,000 Mcf per year

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\$2.2422, per Mcf for Large Commercial/Public Authority

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For transportation of gas to Commercial and Public Authority Customers,  
the monthly rate for transportation of gas produced outside the  
Commonwealth of Pennsylvania shall be:

\$2.8794, per Mcf for Small Commercial/Public Authority using not more  
than 250 Mcf per year

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\$2.6355, per Mcf for Small Commercial/Public Authority using greater  
than 250 Mcf but not more than 1,000 Mcf per year

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\$2.2422, per Mcf for Large Commercial/Public Authority

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For transportation of gas to Small Volume Industrial Customers, the  
monthly rate for transportation of gas produced within the Commonwealth of  
Pennsylvania shall be:

\$2.6522, per Mcf for SVIS Customers

(I)

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For transportation of gas to Small Volume Industrial Customers, the  
monthly rate for transportation of gas produced outside the Commonwealth  
of Pennsylvania shall be:

\$2.6522, per Mcf for SVIS Customers

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(D) Indicates Decrease

(I) Indicates Increase

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NATIONAL FUEL GAS  
DISTRIBUTION CORPORATION

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Gas - Pa. P.U.C. No. 9  
Fifty-Second, Revised Page No. 101  
Canceling Fifty-First, Revised Page No. 101

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RATE SCHEDULE FOR MONTHLY METERED TRANSPORTATION SCHEDULE (cont'd)

For transportation of gas to Intermediate Volume Industrial Customers, the monthly rate for transportation of gas produced within the Commonwealth of Pennsylvania shall be:

~~\$1.9147~~, per Mcf for IVIS Customers (I)

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For transportation of gas to Intermediate Volume Industrial Customers, the monthly rate for transportation of gas produced outside the Commonwealth of Pennsylvania shall be:

~~\$1.9147~~, per Mcf for IVIS Customers (I)

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For transportation of gas to Large Volume Industrial Customers and any entity that is not a Gas Service Customer, the monthly rate for transportation of gas produced within the Commonwealth of Pennsylvania shall be:

~~\$1.6043~~, per Mcf (I)

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For transportation of gas to Large Volume Industrial Customers and any entity that is not a Gas Service Customer, the monthly rate for transportation of gas produced outside the Commonwealth of Pennsylvania shall be:

~~\$1.6043~~, per Mcf (I)

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For transportation of gas to Large Industrial Customers, the monthly rate for transportation of gas produced within the Commonwealth of Pennsylvania shall be:

~~\$1.1793~~, per Mcf (I)

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For transportation of gas to Large Industrial Customers, the monthly rate for transportation of gas produced outside the Commonwealth of Pennsylvania shall be:

~~\$1.1793~~, per Mcf (I)

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Provided, however, that the Company, in its sole discretion, may reduce by contract the portion of the above rates applicable to the Customer that are for recovery of gas or the portion of the rate for recovery of non-gas costs of service if it is reasonably necessary to do so to meet competition from another supplier of energy including gas from another supplier of gas that has constructed, or could construct, facilities to deliver supplies of gas to a MMT Customer of the Company without use of the Company's facilities or another transportation of gas. The Company may also reduce or eliminate the compensation for line losses provided for in Special Provisions paragraph B of this rate schedule in order to meet the competitive circumstances for alternate fuels or bypass situations cited above excluding competition from other Pennsylvania local distribution companies. The Company will reduce the applicable rate only if:

- (a) Either (1) the MMT Customer has facilities in place and operable to use an alternative fuel or obtain gas from an alternative supplier or (2) in the Company's judgment, such facilities would be constructed;

(D) Indicates Decrease

(I) Indicates Increase

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NATIONAL FUEL GAS  
DISTRIBUTION CORPORATION

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Gas - Pa. P.U.C. No. 9  
One-Hundred-~~Eighth~~ Revised Page No.106  
Canceling One-hundred-~~Seventh~~ Revised Page No.106

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E. In the event of interruption or curtailment of transportation service, pursuant to items C and D, above, and during such period of interruption or curtailment, the MMT Customer must sell to the Company all or a portion of the MMT Customer's supply of gas at the higher of (1) the Transportation Service Customer's cost of purchased gas at the point of delivery to the Company or (2) the Company's average cost of purchased gas per Mcf, as determined based upon the Company's Section 1307(f) Rate, which is ~~\$5.9879~~.

(I)

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F. If for any reason (including the default of an MMNGS Supplier), the MMNGS Supplier fails to provide sufficient daily deliveries of natural gas supplies to meet the MMT Customers DDQ pursuant to the terms of MMNGS supply service, and/or MMT Customer's MMNGS Supplier does not provide complete compensation to the Company for services provided under Rate Schedule MMNGS, Special Provision D.3, the Company shall charge the MMT Customer for the deficient daily deliveries under the applicable gas sales rate schedule plus applicable surcharge as set forth in Rate Schedule SB Special Provisions.

(D) Indicates Decrease

(I) Indicates Increase

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One-Hundred-~~Seventh~~ Revised Page No. 117  
Canceling One-Hundred-~~Sixth~~ Revised Page No.117

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E. In the event of interruption or curtailment of transportation service, pursuant to items C and D, above, and during such period of interruption or curtailment, the DMT Service Customer must sell to the Company all or a portion of the DMT Service Customer's supply of gas at the higher of (1) the Transportation Service Customer's cost of purchased gas at the point of delivery to the Company or (2) the Company's average cost of purchased gas per Mcf, as determined based upon the Company's Section 1307(f) Rate, which is ~~\$5.9879~~.

(I)

Deleted: 4.9692

F. If a Gas Service Customer receiving gas transported by the Company uses less than the amount of gas delivered into the Company's system for transportation to such Customer ("excess deliveries"), the Gas Service Customer receiving gas transported by the Company may use such gas during the banking/balancing period defined below, following which the Company shall have the right, but not the obligation, to purchase remaining excess deliveries of gas from the DMT service Customer at a rate equal to the lowest of (1) the cost at which it was acquired by the DMT Service Customer, including pipeline transportation charges, or (2) the Company's average commodity delivered cost of gas to National Fuel Gas Supply Corporation, or (3) the Company's average commodity cost of locally produced gas during the month when excess deliveries were received by the Company. The cost at which the DMT Service Customer acquired the gas will be determined from such Customer's contract with the supplier or by a sworn affidavit setting forth the Customer's cost of gas, including cost of delivery of such gas to the Company's system. Upon request by the Company, the DMT Service Customer will be required to furnish to the Company the DMT service Customer's choice of (1) a copy of this contract or (2) an affidavit. The banking/balancing period shall be the three billing months after the billing month in which the Company received excess deliveries in behalf of the Customer.

G. "Underdeliveries" are volumes of gas taken from the Company by a Gas Service Customer in excess of the sum of (1) any excess deliveries of the customer at the beginning of the day and (2) the volume of gas delivered to the Company for the customer's account, after adjustment for line losses less volumes of volumes of gas determined to be sales by the Company to the customer. Cumulative underdeliveries, as determined each day, in excess of two percent of the volume of gas delivered by the Company to the customer that day, shall be a sale of gas by the Company to the customer under the applicable rate schedule plus applicable surcharges as set forth in Rate Schedule SB Special Provisions and shall not be recharacterized as transportation service under any circumstances. Cumulative underdeliveries of not more than two percent of the volume of gas delivered to a customer by the Company on any day may be offset by volumes of gas delivered to the Company for the customer's account, after adjustment for line losses, in excess of the volume of gas taken by the customer from the Company on subsequent days within the same billing month.

(D) Indicates Decrease

(I) Indicates Increase

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Gas - Pa. P.U.C. No. 9  
~~Sixty-First~~ Revised Page No. 119A  
Canceling ~~Sixtieth~~ Revised Page No. 119A

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RATE SCHEDULE SATC  
SMALL AGGREGATION TRANSPORTATION CUSTOMER SERVICE (Cont'd)

RATES AND CHARGES

A. Customer Transportation Service Rates

The Company will provide transportation services to deliver gas supplies to the SATC Customer(s). The Customer shall be billed the charges for the transportation services rendered for it at the appropriate charges provided herein for which service the SATC Customer qualifies.

The SATC Customer shall pay the following transportation charges for the transportation of gas. The commodity rates set forth below contain a component, presently \$0.~~04425~~ per Ccf, for the recovery of purchased gas demand costs and shall be adjusted pursuant to Rider A of the tariff. Such purchased gas costs collected though these rates shall be included as revenues for the recovery of purchased gas costs as specified in Rider A of this tariff. (I)

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(D) Indicates Decrease

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NATIONAL FUEL GAS  
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One-Hundred-~~Fifteenth~~ Revised Page No. 120  
Canceling One-Hundred-~~Fourteenth~~ Revised Page No. 120

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RATE SCHEDULE SATC  
SMALL AGGREGATION TRANSPORTATION CUSTOMER SERVICE (Cont.)

1. Residential Transportation Rates

SATC Customers that meet the qualifications under the Residential  
Service Rate Schedule classification:

Rates per Residential SATC Customer per Month:

\$14.00 Basic Service Charge  
\$0. ~~34036~~ per 100 cubic feet (I)

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2. Commercial and Public Authority Transportation Rates

SATC Customers that meet the qualifications under the Commercial and  
Public Authority Service Rate Schedule classification:

a. Rates per Commercial/Public Authority customer per month for  
"Small" Commercial/Public Customers using not more than 250,000 cubic feet per  
year:

\$27.00 Basic Service Charge  
\$0. ~~27419~~ per 100 cubic feet (I)

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b. Rates per Commercial/Public Authority customer per month for  
"Small" Commercial/Public Customers using greater than 250,000 cubic feet but  
not more than 1,000,000 cubic feet per year:

\$37.00 Basic Service Charge  
\$0. ~~24980~~ per 100 cubic feet (I)

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c. Rates per Commercial/Public Authority customer per month for  
"Large" Commercial/Public Customers:

\$151.00 Basic Service Charge  
\$0. ~~21047~~ per 100 cubic feet (I)

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(D) Indicates Decrease

(I) Indicates Increase

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NATIONAL FUEL GAS  
DISTRIBUTION CORPORATION

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Gas - Pa. P.U.C. No. 9  
One-Hundred-~~Eighteenth~~ Revised Page No. 121  
Canceling One-Hundred-~~Seventeenth~~ Revised Page No. 121

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RATE SCHEDULE SATC  
SMALL AGGREGATION TRANSPORTATION CUSTOMER SERVICE (Cont.)

3. Small Volume Industrial Service Transportation Rates

SATC Customers that meet the qualifications under the Small Volume Industrial Service Rate Schedule classification:

Rates per Small Volume Industrial Service SATC Customer per Month:

\$82.00 Basic Service Charge  
\$0. ~~25147~~ per 100 cubic feet (I)

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4. Intermediate Volume Industrial Service Transportation Rates

SATC Customers that meet the qualifications under the Intermediate Volume Industrial Service Rate Schedule classification:

Rates per Intermediate Volume Industrial Service SATC Customer per Month:

\$252.00 Basic Service Charge  
\$0. ~~17772~~ per 100 cubic feet (I)

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B. Miscellaneous Customer Surcharges

1. Residential rate classes shall be subject to surcharges in accordance with Rider F - LIRA Discount Charge as set forth in this tariff.

2. The above non-purchased gas cost SATC rates shall be subject to surcharges in accordance with provisions of Rider B - State Tax Adjustment Surcharge.

(C) Indicates Change (D) Indicates Decrease (I) Indicates Increase

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NATIONAL FUEL GAS  
DISTRIBUTION CORPORATION

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Gas - Pa. P.U.C. No. 9  
Thirty-~~seventh~~, Revised Page No. 126  
Canceling Thirty-~~Sixth~~, Revised Page No. 126

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RATE SCHEDULE SATS  
SMALL AGGREGATION TRANSPORTATION SUPPLIER SERVICE (Cont.)

C. Total Upstream Capacity Requirements for SATS Suppliers

SATS Suppliers shall be required to provide sufficient firm pipeline transportation and storage capacity to meet the estimated extreme day requirements of their SATC Customer groups as further described below. The SATS Suppliers' estimated extreme day requirements of their SATC Customer Group used for Supplier capacity allocations and requirements shall be based on a sixty-two (62) degree day extreme peak day calculation. The Company shall utilize peaking and temperature swing storage capacity retained by the Company and recovered through SATC rates to provide for any variances between actual and forecasted usage and for any peak delivery requirements for days colder than sixty-two (62) degree days.

Such sufficient pipeline transportation and storage capacity shall be provided through the following means:

1. Released ESS Storage Capacity and Associated EFT Capacity
  - a. Requirements To Be Met Through ESS Storage

~~55%~~ of extreme peak day requirements shall be provided through the (I) Company's ESS storage and associated EFT transportation capacity on NFGSC. Such NFGSC Storage and transmission capacity shall be released to SATS Suppliers at the maximum rate under the pipeline's FERC gas tariff.

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- b. Initial Assignment of ESS Storage Capacity

In a month a SATS Supplier begins to serve SATC customers, it shall be provided with an initial assignment of storage capacity, based on the percentage set forth at C.1.a. above, to meet the Supplier's requirements for the upcoming winter period. Approximately fifteen days prior to the close of nominations for the month, the Company will calculate the quantity of storage capacity released to match the SATS Supplier's winter requirements based on the number of SATC Customers aggregated by the Supplier. If the initial assignment takes place in a month other than April, the Company will transfer storage gas to the Supplier pursuant to C.1.c below. The SATS Supplier shall be responsible for all taxes and pipeline fees associated with moving or transferring the storage gas to the Company.

(D) Indicates Decrease  
(I) Indicates Increase

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DISTRIBUTION CORPORATION

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~~Seventy-First~~ Revised Page No. 127  
Canceling ~~Seventieth~~ Revised Page No. 127

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RATE SCHEDULE SATS  
SMALL AGGREGATION TRANSPORTATION SUPPLIER SERVICE (Cont.)

c. Additional Assignments of ESS Storage Capacity

Approximately fifteen days prior to the close of nominations for each month, the Company will recalculate the quantity of storage capacity released to match the SATS Supplier's revised winter requirements based on the number of SATC Customers aggregated by the Supplier. If additional SATC Customers join a SATS Supplier's SATC Customer Group, the Company will release additional capacity as required, based on the percentage set forth at C.1.a. above. In addition, the SATS Supplier will be required to pay the Company for storage gas transferred and all taxes and pipeline fees associated with moving or transferring the storage gas to the Supplier. The storage gas transfer rate shall be the sum of (1) the higher of the Company's average cost of gas based upon the Company's Section 1307f rate, or the DMI for the first day of month in which gas is transferred plus all transportation costs to the Company's City Gate, plus (2) the demand Transfer Recovery Rate ("DTR Rate"). The DTR rate shall equal the per Mcf System Average Unrecovered Demand Charge revenue beginning in the month of April through the initial month that storage capacity is released to the Supplier. The System Average Unrecovered demand Charge Revenue shall equal the sum of the differences between the average demand charge revenues and the average fixed demand costs beginning the month of April through the initial month that storage capacity is released to the Supplier.

The DTR by month shall be as follows:

Capacity Transfer Month	DTR \$/Mcf
April	\$0.00
May	\$0.00
June	\$0.00
July	\$0.00
August	\$0.00
September	\$0.00
October	\$0.00
November	<del>\$0.64</del>
December	<del>\$1.05</del>
January	<del>\$0.94</del>
February	<del>\$0.49</del>
March	\$0.00

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(D) Indicates Decrease

(I) Indicates Increase

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DISTRIBUTION CORPORATION

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Seventy-~~Fourth~~ Revised Page No. 131  
Canceling Seventy-~~Third~~ Revised Page No. 131

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RATE SCHEDULE SATS  
SMALL AGGREGATION TRANSPORTATION SUPPLIER SERVICE (Cont.)

2. Released Transmission Capacity Not Included in SATC  
Transportation Rates

~~45%~~ of extreme peak day requirements is to be provided by the release (D) of pipeline capacity upstream of NFGSC and the release of associated EFT transportation capacity on NFGSC which is not included in transportation rates. All such capacity shall be released to SATS Suppliers, and SATS Suppliers shall take such released capacity, at the maximum rate under the pipeline's FERC gas tariff. The actual pipeline capacity path upstream of NFGSC to be released to the Supplier by the Company shall be designated by the Company from its available capacity. The Company will attempt to accommodate a Supplier's request for particular capacity on a first-come first-serve basis.

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As an alternative to the above, the Company may designate an alternative capacity path(s) from its available capacity. The capacity release rate for the pipeline capacity path released to the Supplier shall be ~~\$7.0946~~/Dth which equals the weighted average demand cost of upstream (D) capacity, however, capacity released on NFGSC will be released at the maximum rate under NFGSC's FERC gas tariff. The Company will post a listing of the alternative capacity path(s) designated, including the associated quantity of capacity, on its web site.

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For capacity termination notices, prior to the termination notice date of any capacity contract in this Section C.2., the Company will issue a request for proposals to qualified Suppliers under this tariff to determine if the Company should terminate, renew, or replace such contract, in whole or in part. The Company will terminate a proportionate share of the capacity contract if: (1) Suppliers demonstrate that they will provide comparable firm capacity to serve the Company's core customers, (2) the Suppliers agree to assign such comparable capacity at the contracted price to the Company upon Company request if such capacity is required to meet supply requirements of SATC Customers due to the termination of the SATS Supplier pursuant to Section H.1. or if the Supplier has reduced the level of delivery requirements from the previous periods requirements, and 3) the Commission approves such comparable capacity. Comparable capacity must have firm rights for at least the seven (7) winter months, and such capacity must have primary delivery rights into available primary receipt rights on NFGSC held by the Company. Comparable capacity must have firm capacity rights sufficient in volume and duration (with renewal rights) to serve the customers to be served by the SATS Supplier. The Company will post a listing of capacity contracts, including the associated quantity of capacity, that it determines to be of critical status on its web site.

(D) Indicates Decrease

(I) Indicates Increase

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Seventy-~~Seventh~~ Revised Page No. 146G  
Canceling Seventy-~~Sixth~~ Revised Page No. 146G

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E. In the event of interruption or curtailment of transportation service, pursuant to items C and D, above, and during such period of interruption or curtailment, the DMLMT Service customer must sell to the Company all or a portion of the DMLMT Service Customer's supply of gas at the higher of (1) the Transportation Service Customer's cost of purchased gas at the point of delivery to the Company or (2) the Company's average cost of purchased gas per Mcf, as determined based upon the Company's Section 1307(f) Rate which is ~~\$5.9879~~.

(I)

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F. If a Gas Service Customer receiving gas transported by the Company uses less than the amount of gas delivered into the Company's system for transportation to such Customer ("excess deliveries"), the Gas Service Customer receiving gas transported by the Company may use such gas during the banking/balancing period defined below, following which the Company shall have the right, but not the obligation, to purchase remaining excess deliveries of gas from the DMLMT Service Customer at a rate equal to the lowest of (1) the cost at which it was acquired by the DMLMT Service Customer, including pipeline transportation charges, or (2) the Company's average commodity delivered cost of gas to National Fuel Gas Supply Corporation, or (3) the Company's average commodity cost of locally-produced gas during the month when excess deliveries were received by the Company. The cost at which the DMLMT Service Customer acquired the gas will be determined from such Customer's contract with the supplier or by a sworn affidavit setting forth the Customer's cost of gas, including cost of delivery of such gas to the Company's system. Upon request by the Company, the DMLMT service Customer will be required to furnish to the Company the DMLMT Service Customer's choice of (1) a copy of this contract or (2) an affidavit. The banking/balancing period shall be the three billing months after the billing month in which the Company received excess deliveries in behalf of the Customer.

G. "Underdeliveries" are volumes of gas taken from the Company by a Gas Service Customer in excess of the sum of (1) any excess deliveries of the customer at the beginning of the day and (2) the volume of gas delivered to the Company for the customer's account, after adjustment for line losses less volumes of gas determined to be sales by the Company to the customer. Cumulative underdeliveries, as determined each day, in excess of two percent of the volume of gas delivered by the Company to the customer that day, shall be a sale of gas by the Company to the customer under the applicable rate schedule plus applicable surcharges as set forth in Rate Schedule SB Special Provisions and shall not be recharacterized as transportation service under any circumstances. Cumulative underdeliveries of not more than two percent of the volume of gas delivered to a customer by the Company on any day may be offset by volumes of gas delivered to the Company for the customer's account, after adjustment for line losses, in excess of the volume of gas taken by the customer from the Company on subsequent days within the same billing month.

(D) Indicates Decrease

(I) Indicates Increase

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Rider G  
Merchant Function Charge (MFC) Rider

Applicability:

The Merchant Function Charge (MFC) shall be added to the Natural Gas Supply Charge and Gas Adjustment Charge of Residential, LIRAS, Commercial and Public Authority, SVIS, IVIS, LVIS and LIS rate schedules.

Such charges shall be updated quarterly and effective each February 1, May 1, August 1, and November 1 of the year. The charge will also be updated whenever there is a change to the Sales Service Rate Customer Charge, Distribution Charge, Natural Gas Supply Charge or Gas Adjustment Charge.

Calculation of Rate:

For customers receiving service in the Residential classification, the MFC shall equal 1.8032% times the Natural Gas Supply Charge and the Gas Adjustment Clause as calculated for Rider A.

The current Residential MFC Charge is:

Natural Gas Supply Charge per Mcf	\$0.0998	(I)
Gas Adjustment clause (E-Factor) per Mcf	\$(0.0009)	(I)
Total Residential MFC per Mcf	\$0.0989	(I)

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For customers receiving service in the Non-Residential classifications, the MFC shall equal 0.3398% times the Natural Gas Supply Charge and Gas Adjustment Clause as calculated for Rider A.

The current Non-Residential MFC Charge is:

Natural Gas Supply Charge per Mcf	\$0.0188	(I)
Gas Adjustment clause (E-Factor) per Mcf	\$(0.0002)	(I)
Total Non-Residential MFC per Mcf	\$0.0186	(I)

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NATIONAL FUEL GAS  
DISTRIBUTION CORPORATION

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Gas - Pa. P.U.C. No. 9  
Fifty-~~Second~~ Revised Page No. 169  
Canceling ~~Fifty-First~~ Revised Page No. 169

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Rider H  
Gas Procurement Charge (GPC)

APPLICABILITY

Effective June 1, 2013, the Gas Procurement Charge will be included in the Natural Gas Supply Charge of Residential, LIRAS, Commercial and Public Authority, SVIS, IVIS, LVIS and LIS rate schedules.

The charge is designed to recover the costs of procuring natural gas pursuant to 52 Pa. Code §62.223. The natural gas procurement costs included in the GPC charge will only be updated in a base rate case.

The GPC to be included in the Natural Gas Supply Charge shall be \$0.1149 / Mcf and is not reconcilable.

	Residential (¢ per 100 cubic feet)	Non Residential (¢ per 100 cubic feet)	
<b>Price To Compare Component</b>			
Natural Gas Supply Charge			
Purchased Gas Cost Component (Rider A)	<u>55.335</u>	<u>55.335</u>	(I)
Merchant Function Charge associated with Natural Gas Supply Charge (Rider G)	<u>0.998</u>	<u>0.188</u>	(I)
Gas Procurement Charge (Rider H)	<u>1.149</u>	<u>1.149</u>	
Subtotal Natural Gas Supply Charge	<u>57.482</u>	<u>56.672</u>	(I)
Gas Adjustment Charge			
Purchased Gas Cost Component (Rider A)	<u>(0.479)</u>	<u>(0.479)</u>	(I)
Merchant Function Charge associated with Gas Adjustment Charge (Rider G)	<u>(0.009)</u>	<u>(0.002)</u>	(I)
Subtotal Gas Adjustment Charge	<u>(0.488)</u>	<u>(0.481)</u>	(I)
Total Price To Compare	<u>56.994</u>	<u>56.191</u>	(I)

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(I) Indicates Increase

Issued: ~~January 31, 2024~~

Effective: ~~August 1, 2024~~

TESTIMONY OF  
CHRISTOPHER A. CEJ  
ON BEHALF OF  
NATIONAL FUEL GAS DISTRIBUTION CORPORATION

PENNSYLVANIA PUBLIC UTILITY COMMISSION  
v.  
NATIONAL FUEL GAS DISTRIBUTION CORPORATION  
(PURCHASED GAS COSTS -- 66 PA.C.S. SECTION 1307(f)),  
DOCKET NO. R-2024-3045177

DIRECT TESTIMONY OF CHRISTOPHER A. CEJ  
R-2024-3045177

1 Q. Please state your name and business address.

2 A. My name is Christopher A. Cej, and my business address  
3 is 6363 Main Street, Williamsville, New York 14221.

4 Q. By whom are you employed and in what capacity?

5 A. I am employed by National Fuel Gas Distribution  
6 Corporation ("Distribution" or the "Company") as  
7 General Manager of the Gas Supply Administration  
8 Department.

9 Q. What are your duties as General Manager of the Gas  
10 Supply Administration Department?

11 A. I am responsible for overseeing the Gas Procurement,  
12 Gas Accounting, Gas Planning, and Transportation  
13 Services functional areas. I report directly to the  
14 Vice President.

15 Q. Please summarize your education and work experience.

16 A. I received a Bachelor of Science Degree in Civil  
17 Engineering from the State University of New York at  
18 Buffalo in 1991. I was hired by Distribution in  
19 February 1992 as a Management Trainee in the Risk  
20 Management-Environmental Affairs Department. I  
21 received my Certified Hazardous Materials Manager  
22 ("CHMM") certification through the Institute of  
23 Hazardous Materials Management. In 2000 I transferred  
24 to the Energy Services Department where I received my

DIRECT TESTIMONY OF CHRISTOPHER A. CEJ  
R-2024-3045177

1 certification as a Chartered Industrial Gas Consultant  
2 through the Gas Research Institute. In October 2004 I  
3 was transferred to Gas Supply Administration. I was  
4 promoted to my current position in February 2018.

5 Q. What is the subject of your testimony?

6 A. I am testifying to PGC Exhibit Nos. 4, 8, 9 and 32.

7 Q. Were PGC Exhibit Nos. 4, 8, 9, and 32 prepared under  
8 your supervision and direction?

9 A. Yes, they were.

10 Q. Please explain PGC Exhibit No. 4.

11 A. PGC Exhibit No. 4 is Distribution's response to the  
12 Pennsylvania Public Utility Commission's ("PAPUC")  
13 filing requirement at 52 Pa. Code § 53.64(c)(1), which  
14 requires details regarding contracts under which  
15 Distribution purchases supplies of gas and  
16 renegotiations of such contracts. PGC Exhibit No. 4  
17 also provides details regarding Distribution's  
18 contracts for upstream pipeline transportation and  
19 storage services, the design of rates for such  
20 services, and recent and pending negotiations of such  
21 upstream pipeline contracts. Ms. Lisa Petko and Mr.  
22 Marc Cuthbertson will be testifying to the specific  
23 elements contained in this Exhibit.

24 Q. Please explain PGC Exhibit No. 8.

DIRECT TESTIMONY OF CHRISTOPHER A. CEJ  
R-2024-3045177

1 A. PGC Exhibit No. 8 is Distribution's response to the  
2 PAPUC filing requirement at 52 Pa. Code § 53.64(c)(1),  
3 which requires details of future procurement, capacity  
4 strategies or changes. The Company's recent market  
5 demand forecast reflects continued sustained growth  
6 over the next few years and suggests the Company may  
7 need to acquire additional firm capacity to reliably  
8 serve the increasing demand. Ms. Lisa Petko and Mr.  
9 Marc Cuthbertson will offer greater detail in their  
10 respective testimonies.

11 Q. Please explain PGC Exhibit No. 9.

12 A. PGC Exhibit No. 9 provides monthly summaries of  
13 Distribution's capacity release and assignment  
14 activities.

15 Q. Please explain PGC Exhibit No. 32.

16 A. PGC Exhibit No. 32 provides monthly summaries of  
17 Distribution's supply mix for the period December 1,  
18 2020, through November 30, 2021.

19 Q. Are there any other issues about which you wish to  
20 testify?

21 A. Yes, I would like to provide an update on the  
22 Company's efforts to identify renewable natural gas  
23 ("RNG") and responsibly sourced natural gas supply  
24 ("CNG") opportunities.

DIRECT TESTIMONY OF CHRISTOPHER A. CEJ  
R-2024-3045177

1 Q. Is the Company pursuing RNG opportunities?

2 A. Yes, the Company continues to pursue and review  
3 potential beneficial RNG procurement opportunities to  
4 present to the Parties. The Company is focusing on  
5 procurement opportunities that support growth of RNG  
6 production connected to the Company's system that may  
7 enhance system delivery pressure reliability, or RNG  
8 production accessible through the Company's portfolio  
9 of firm pipeline capacity assets, at a market-based  
10 gas price. The Company has discussed potential RNG  
11 opportunities with a few counterparties but none of  
12 those discussions have evolved into a proposal  
13 beneficial to the ratepayer. While the Company has  
14 been unable to find such opportunities it will  
15 continue to pursue a proposal to present to the  
16 Parties that it believes will benefit ratepayers.

17 Q. Is the Company pursuing RNG purchase opportunities  
18 that include purchasing the associated environmental  
19 attributes?

20 A. Not necessarily. The Company does not intend to pay a  
21 premium to acquire the environmental attributes unless  
22 the Company is able to offset the premium through sale  
23 of the attributes.

DIRECT TESTIMONY OF CHRISTOPHER A. CEJ  
R-2024-3045177

1 Q. Is it the Company's intent to review any such  
2 proposals with the Parties before proceeding with an  
3 executed transaction?

4 A. Yes, as prescribed in the Company's 2022 1307(F)  
5 Settlement at Docket No. R-2022-3030235.

6 Q. Has the Company pursued CNG opportunities?

7 A. Similar to RNG, the Company is pursuing beneficial CNG  
8 opportunities that include suppliers providing the  
9 Company proof of CNG certification. While discussions  
10 with CNG suppliers have not materialized into  
11 substantive proposals, the Company believes a growing  
12 percentage of its traditional gas supply purchases  
13 from suppliers under least cost purchasing practices  
14 at Appalachian production basin aggregation pools are  
15 sourced from CNG certified production wells, located  
16 within the basin.

17 Q. Is the Company claiming CNG credit for these  
18 purchases?

19 A. No. The Company did not receive CNG certification  
20 from the suppliers, so it would not claim CNG credit  
21 for these purchases.

22 Q. Will the Company continue pursuing CNG supplies and  
23 its associated certifications?

DIRECT TESTIMONY OF CHRISTOPHER A. CEJ  
R-2024-3045177

- 1 A. Yes. The Company is proposing a CNG pilot program.  
2 Refer to Mr. Cuthbertson's testimony, Distribution PGC  
3 Statement No. 3, for detail related to the Company's  
4 proposal.
- 5 Q. Does this conclude your testimony?
- 6 A. Yes, it does at this time.

Verification

I, Christopher A. Cej, General Manager, of the Gas Supply Administration Department of National Fuel Gas Distribution Corporation state that the facts set forth in the foregoing Purchased Gas Cost Filing under Section 1307(f) of the Public Utility Code and 52 Pa. Code §§ 53.64 and 53.65 Docketed at R-2024-3045177 including

Distribution PGC Statement No. 1  
Exhibit Nos. 4 (partial), 8 (partial), 9, 32

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. This statement is made subject to the penalties of 18 Pa. C.S. § 4904 relating to unsworn falsifications to authorities.

A handwritten signature in black ink, appearing to read 'C. Cej', is written above a horizontal line.

Christopher A. Cej

This 31st day of January, 2024

TESTIMONY OF  
MARC T. CUTHBERTSON  
IN BEHALF OF  
NATIONAL FUEL GAS DISTRIBUTION CORPORATION

PENNSYLVANIA PUBLIC UTILITY COMMISSION  
v.  
NATIONAL FUEL GAS DISTRIBUTION CORPORATION  
(PURCHASED GAS COSTS -- 66 PA.C.S. SECTION 1307(f)),  
DOCKET NO. R-2024-3045177

DIRECT TESTIMONY OF MARC T. CUTHBERTSON  
R-2024-3045177

1 Q. Please state your name and business address.

2 A. My name is Marc T. Cuthbertson, and my business  
3 address is 6363 Main Street, Williamsville, New York  
4 14221.

5 Q. By whom are you employed and in what capacity?

6 A. I am employed by National Fuel Gas Distribution  
7 Corporation ("Distribution" or the "Company") as a  
8 Manager of Procurement & Optimization in the Gas  
9 Supply Administration Department ("GSA").

10 Q. What are your duties as Manager of Procurement &  
11 Optimization for Distribution?

12 A. I manage in developing and implementing Distribution's  
13 Gas Procurement and Gas Planning policies.

14 Q. Please summarize your education and work experience.

15 A. I received a Bachelor of Science Degree in Business  
16 Administration from the State University of New York  
17 ("SUNY") at Buffalo in 2008. In June 2008, I was hired  
18 by Distribution as a Supervisor in GSA working in the  
19 Gas Accounting area. In 2010, I was transferred to the  
20 Gas & Capacity Procurement area within GSA where my  
21 responsibilities included natural gas procurement,  
22 asset optimization, and natural gas scheduling. In  
23 2023, I was promoted to Manager.

24 Q. What is the subject of your testimony?

DIRECT TESTIMONY OF MARC T. CUTHBERTSON  
R-2024-3045177

1 A. I am testifying to PGC Exhibit No. 4 (partial), PGC  
2 Exhibit No. 8 (partial), PGC Exhibit No. 9 and PGC  
3 Exhibit No. 32.

4 Q. Were PGC Exhibit Nos. 4, 8, 9, and 32 prepared under  
5 your supervision and direction?

6 A. Yes, they were.

7 Q. Please explain PGC Exhibit No. 4.

8 A. The portion of PGC Exhibit No. 4 that I am sponsoring  
9 begins on page 5, line 18 and ends on page 13, line  
10 15. My testimony related to PGC Exhibit No. 4 details  
11 the manner in which Distribution used Term (delivery  
12 terms greater than one month) and Spot (delivery terms  
13 equal to or less than one month) purchase transactions  
14 to obtain commitments of firm supply.

15 Consistent with its least-cost purchasing  
16 strategy, Distribution utilized the take-or-release  
17 flexibility provided in its Term purchase agreements  
18 to incorporate lower cost Spot supplies in its winter  
19 supply portfolio. Prior to each month and day of the  
20 contract term, and accounting for operational  
21 conditions at that time, Distribution evaluated its  
22 purchase options and elected the best-cost supply  
23 option. For any month or day that Term supplies were  
24 replaced with lower cost Spot supplies, Distribution

DIRECT TESTIMONY OF MARC T. CUTHBERTSON  
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1 maintained the daily call option provided in the Term  
2 supply contract. Thus, Distribution's ratepayers  
3 realized savings while still being ensured winter  
4 supply reliability.

5 As presented in PGC Exhibit No. 4, Ms. Petko  
6 describes Distribution's continued effort to realign  
7 its capacity portfolio. As a result of these actions,  
8 Distribution has been able to maintain and increase  
9 its primary access to reliable northeast supplies.  
10 Using its upstream transmission assets, Distribution  
11 was able to purchase all of its winter 2022-2023  
12 supplies at receipt points in the northeast.

13 As Distribution's upstream capacity  
14 portfolio evolves, Distribution will continue to  
15 evaluate the appropriate gas purchase contracts for  
16 Term and Spot supplies from the appropriate supply  
17 basins. Distribution's goal remains to achieve cost  
18 savings for its customers while maintaining service  
19 reliability and price stability.

20 Q. Please explain PGC Exhibit No. 8.

21 A. My testimony for PGC Exhibit No. 8 includes portions  
22 of Section II (page 10, line 15 to page 7, line 21 and  
23 page 17, line 10 to page 18, line 11) and all of  
24 Section III.

DIRECT TESTIMONY OF MARC T. CUTHBERTSON  
R-2024-3045177

1                   Section II, Distribution's Least Cost  
2 Purchase Strategy, reviews the details of  
3 Distribution's Term and Spot purchases.

4                   Also described in this section is  
5 Distribution's Gas Cost Management Plan ("Plan") and  
6 how it is used to mitigate price volatility through  
7 price diversity.

8 Q.    Could you further explain the Gas Cost Management  
9 Plan?

10 A.   The Plan (Exhibit MTC-1) lays out in summary form how  
11 storage and gas purchase pricing methodologies are  
12 used by Distribution to diversify pricing and mitigate  
13 gas cost volatility.

14                   Section I of the Plan identifies fixed and  
15 capped forward pricing measures Distribution will use  
16 for purchasing approximately 12% of its forecasted  
17 winter (November - March) supply requirements.

18                   Section II recognizes that approximately 40%  
19 of the winter supplies are withdrawn from storage.

20                   Section III notes that approximately 24% of  
21 winter and 50% of summer supplies will be priced at a  
22 mix of index, NYMEX Settlement plus fixed physical  
23 basis, and bid week negotiated cash ("Cash") prices.

DIRECT TESTIMONY OF MARC T. CUTHBERTSON  
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1                   Section IV takes into account that the  
2 remaining supplies (approximately 24% winter and 50%  
3 summer) will be procured on a daily basis and will be  
4 priced at index and/or Cash prices.

5                   The Plan provides for the flexibility to  
6 adjust the timing of forward prices based on market  
7 fundamentals and unanticipated events.

8 Q. Please describe the changes to the Plan under the  
9 settlement at R-2023-3037428.

10 A. Effective April 1<sup>st</sup>, 2025, the Company has amended its  
11 current Plan to incorporate fixed summer price  
12 purchases, see Exhibit MTC-2. The Company will execute  
13 two forward price transactions for 15%-20% of  
14 forecasted summer (April - October) demand  
15 requirements and storage fill requirements. The  
16 Company will send an RFP for these forward price deals  
17 in May 2024 and July 2024 for baseload fixed price  
18 deliveries starting on April 1<sup>st</sup>, 2025 - October 31<sup>st</sup>,  
19 2025. These transactions will follow the Company's  
20 least cost gas policy and will be executed in a  
21 similar manner to its current fixed price transactions  
22 for winter delivery.

23 Q. Has Distribution entered into any Asset Management  
24 Arrangements ("AMA") or storage fill agreements?

DIRECT TESTIMONY OF MARC T. CUTHBERTSON  
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1 A. Pursuant to a Request for Proposal ("RFP") issued in  
2 February 2023, Distribution entered into a storage  
3 fill agreement for the 2023 injection season. The  
4 Supplier was required to deliver a quantity of gas  
5 which would satisfy a portion of Distribution's  
6 seasonal injection requirement. In general,  
7 Distribution attempts to purchase supplies evenly over  
8 the summer injection season in order to diversify  
9 inventory costs. In exchange for a gas cost discount,  
10 the supplier was provided the ability to choose the  
11 days of delivery. The total value of the discount was  
12 approximately \$130,000.

13 Q. Are there any other specific issues you would like to  
14 highlight regarding gas procurement practices in PGC  
15 Exhibit No. 8?

16 A. Yes. I would like to briefly address capacity and  
17 basin diversity.

18 The pipeline capacity entitlements discussed  
19 in PGC Exhibit No. 8, Section II, Part C, afford  
20 Distribution opportunities to purchase gas sourced  
21 from the Marcellus, Utica and Mid-continent production  
22 basins. Distribution maintains master gas purchase  
23 contracts with suppliers that have substantial gas  
24 supplies in these production areas and is prepared to

DIRECT TESTIMONY OF MARC T. CUTHBERTSON  
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1 purchase gas supplies at receipt point interconnects  
2 in these basins. To the extent that older production  
3 basins decline, and new basins are developed, this  
4 pipeline capacity diversity will ensure Distribution  
5 ratepayers will have access to reliable gas supplies  
6 in the future.

7 Production from the Marcellus and Utica  
8 shale formations continues to grow and now exceeds 35  
9 Bcf/day. During the historical year, market area  
10 production from these basins represented 100% of  
11 Distribution's purchases. These market area purchases,  
12 coupled with the revenues associated with releasing  
13 the unutilized upstream capacity on a recallable  
14 basis, contribute to Distribution's least-cost gas  
15 procurement strategy of minimizing ratepayer cost  
16 while preserving firm access to established liquid  
17 pool points.

18 Distribution continues to rely upon firm  
19 access to market area pooling points and paths,  
20 including Texas Eastern Transmission's M2 Market area  
21 pool, Tennessee Gas Pipeline Company's station 219  
22 pool, and the firm paths through production areas  
23 along the Texas Eastern and Tennessee pipeline  
24 systems. Maintaining firm access to liquid pooling

DIRECT TESTIMONY OF MARC T. CUTHBERTSON  
R-2024-3045177

1 points and paths is an important reliability criteria  
2 considered by Distribution when evaluating its  
3 capacity portfolio.

4 Q. Please explain PGC Exhibit No. 9.

5 A. PGC Exhibit No. 9 provides monthly summaries of  
6 Distribution's capacity release and off-system sale  
7 activity during the period December 1, 2022, through  
8 November 30, 2023. The total value of all sharable  
9 releases during the period was \$1,800,000.

10 Similar to last year, market conditions did  
11 not support off-system sales and no margins were  
12 generated during the 12-month historic period ending  
13 November 30, 2023.

14 Q. Please explain PGC Exhibit No. 32.

15 A. PGC Exhibit No. 32 provides monthly summaries of  
16 Distribution's supply mix for the period December 1,  
17 2022, through November 30, 2023.

18 Q. Are there any other issues about which you wish to  
19 testify?

20 A. Yes, I would like to provide information for a pilot  
21 program to procure certified natural gas ("CNG").

22 Q. What is CNG?

23 A. CNG is natural gas that has been evaluated and  
24 verified by an independent third-party to have been

DIRECT TESTIMONY OF MARC T. CUTHBERTSON  
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1 produced with reduced GHG emissions and environmental  
2 impacts, beyond current environmental regulations.  
3 The purpose of various CNG programs is to incentivize  
4 continuous improvement in methane emissions monitoring  
5 and abatement by creating an opportunity for producers  
6 to differentiate their natural gas production by its  
7 methane emissions performance.

8 Q. What are some of the benefits of CNG?

9 A. CNG is a low carbon gas produced from certified wells.  
10 There are a number of ways to reduce methane  
11 emissions, including reducing leaks from the  
12 production, storage, and transportation of natural  
13 gas. Certified gas wells can reduce methane emissions  
14 up to 80% from traditional wells. CNG provides the  
15 same reliability as conventional natural gas and is  
16 compatible with all existing natural gas  
17 infrastructure.

18 Q. What is the goal of the Company's CNG Pilot Program?

19 A. The Company aims to identify and purchase natural gas  
20 from operators who are implementing best practices in  
21 the production of natural gas including lowering  
22 emissions. The Company also intends to quantify CO<sub>2</sub>e  
23 abated by measuring the methane intensity of the CNG

DIRECT TESTIMONY OF MARC T. CUTHBERTSON  
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1 versus the intensity of the traditionally extracted  
2 natural gas.

3 Q. What is the Company proposing as part of a pilot  
4 program?

5 A. The Company is proposing to implement a three-year  
6 pilot program designed to purchase CNG. The pilot  
7 program will limit the incremental cost associated  
8 with CNG premiums to \$175,000 per year. The Company  
9 agrees to limit purchases to those certified and that  
10 have obtained one of the following ratings:

11 1) MiQ; or

12 2) Oil and Gas Methane Partnership ("OGMP") 2.0.

13 The MiQ Standard was created to establish a practical  
14 measure for assessing methane emissions management.

15 To carry out certification, upstream onshore and  
16 offshore facilities must perform under three

17 criteria:

18 1) methane intensity below a certain threshold;

19 2) company practices that promote a culture of  
20 emissions management; and

21 3) comprehensive monitoring technology deployment  
22 to detect fugitive emissions.

23 MiQ has vowed to adapt the standard as technologies  
24 evolve and companies grow and change.

DIRECT TESTIMONY OF MARC T. CUTHBERTSON  
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1           OGMP was created by the Climate and Clean Air  
2           Coalition as a voluntary initiative to help companies  
3           reduce methane emissions within oil and gas  
4           operations. The most recent form of the  
5           initiative, OGMP 2.0, includes five reporting levels,  
6           with the highest level requiring that emissions  
7           tracking and reports include site and source-level  
8           measurements. Companies have three years to achieve  
9           compliance for operated assets and five years for non-  
10          operated assets.

11 Q.    What will the \$175,000 of annual funding pay for?

12 A.    The \$175,000 of annual funding will cover the premium  
13          associated with procuring the certified natural gas.  
14          The Company believes that this premium is  
15          approximately \$0.03-\$0.07 per dekatherm.

16 Q.    What locations would the Company procure CNG?

17 A.    The Company would look to buy CNG into its existing  
18          portfolio of assets at liquid trading points. The  
19          Company would anticipate buying CNG at Texas Eastern's  
20          M-2 Pool and/or Tennessee Gas Pipeline's Zone-4 200  
21          leg pool near station 219.

22 Q.    Would these purchases occur under the current Gas Cost  
23          Management Plan?

DIRECT TESTIMONY OF MARC T. CUTHBERTSON  
R-2024-3045177

1 A. Yes. The Company would incorporate these purchases  
2 under its current Gas Cost Management Plan and would  
3 seek least cost CNG supplies through a formal RFP  
4 process. The Company will evaluate all CNG bid offers  
5 based on the same criteria considered during  
6 evaluation of traditional natural gas bid offers.  
7 These criteria include supplier diversity, supplier  
8 performance, price, receipt location. In addition to  
9 the criteria considered for traditional natural gas  
10 the Company will evaluate the specific third-party  
11 certification associated with each bidder's CNG offer.  
12 The Company would take delivery of firm supplies of  
13 baseload CNG priced at an Inside FERC first of month  
14 price based on the purchase point. The Company's  
15 current plan allows for monthly baseload volumes at an  
16 Inside FERC price, so the proposed CNG pilot's pricing  
17 and baseload structure is compliant with the current  
18 plan.

19 Q. What is the Company attempting to achieve with a CNG  
20 Pilot Program?

21 A. The CNG Pilot Program will provide the Company with a  
22 cost-effective opportunity to test CNG as a new  
23 reliable, low cost and low carbon energy source for  
24 its customers. In particular, the CNG Pilot Program

DIRECT TESTIMONY OF MARC T. CUTHBERTSON  
R-2024-3045177

1 allows the Company to gain market knowledge related to  
2 the quantification and certification of methane  
3 reductions associated with procuring CNG that has  
4 lower methane intensity compared to national and  
5 regional methane emission averages of conventional  
6 natural gas. The Company is uniquely positioned to  
7 procure natural gas from various sections of the  
8 Northeast production basin and from various pipes,  
9 which will allow the Company to thoroughly test the  
10 value propositions of the pilot for its customers.

11

12 Q. Does this conclude your testimony?

13 A. Yes, it does at this time.

Verification

I, Marc T. Cuthbertson, Manager of the Gas Supply Administration Department of National Fuel Gas Distribution Corporation state that the facts set forth in the foregoing Purchased Gas Cost Filing under Section 1307(f) of the Public Utility Code and 52 Pa. Code §§ 53.64 and 53.65 Docketed at R-2024-3045177 including

Distribution PGC Statement No. 2, Exhibit MTC-1, Exhibit MTC-2 Exhibit Nos. 4 (partial), 8 (partial), 9 and 32

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. This statement is made subject to the penalties of 18 Pa. C.S. § 4904 relating to unsworn falsifications to authorities.

*Marc Cuthbertson*

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Marc T. Cuthbertson

This 31st day of January, 2024

TESTIMONY OF  
CAITLIN DIGIORE  
ON BEHALF OF  
NATIONAL FUEL GAS DISTRIBUTION CORPORATION

PENNSYLVANIA PUBLIC UTILITY COMMISSION  
v.  
NATIONAL FUEL GAS DISTRIBUTION CORPORATION  
(PURCHASED GAS COSTS -- 66 PA.C.S. SECTION 1307(f)),  
DOCKET NO. R-2024- 3045177

DIRECT TESTIMONY OF CAITLIN DIGIORE  
DOCKET NUMBER R-2024-3045177

- 1 Q. State your name and business address.
- 2 A. My name is Caitlin DiGiore and my business address is 6363 Main  
3 Street, Williamsville, New York, 14221.
- 4 Q. By whom are you employed and in what capacity?
- 5 A. I am employed by National Fuel Gas Distribution Corporation  
6 (“Distribution”) as a Regulatory Analyst II.
- 7 Q. Can you please describe your responsibilities as Regulatory Analyst II  
8 for Distribution?
- 9 A. I work under the direct supervision of the Deputy General Counsel  
10 and Chief Regulatory Counsel of the Legal Department. I prepare  
11 analyses used to develop Company positions regarding federal  
12 regulatory matters (e.g. pipeline filings and generic Federal Energy  
13 Regulatory Commission (“FERC”) initiatives), identifying potential cost  
14 impacts to customers in Distribution’s Pennsylvania and New York  
15 jurisdictions.
- 16 Q. Summarize your education and prior work experience.
- 17 A. I graduated from the University at Buffalo in May 2013, with a  
18 Bachelor of Science degree in Business Administration, with a  
19 Finance concentration. In May 2014, I began my employment at a  
20 financial services institution as a Margin Analyst. In April 2016, I  
21 joined Distribution as a Rate Analyst I. In October 2021, I transferred  
22 to the Legal Department as Regulatory Analyst II, my current position.
- 23 Q. What is the subject of your testimony?
- 24 A. I am testifying to PGC Exhibit Nos. 6 and 6-A.

DIRECT TESTIMONY OF CAITLIN DIGIORE  
DOCKET NUMBER R-2024-3045177

1 Q. Were all sections of PGC Exhibit Nos. 6 and 6-A prepared under  
2 your supervision and direction?

3 A. Yes, they were.

4 Q. Are there any corrections to PGC Exhibit No. 6?

5 A. No, there are no corrections to PGC Exhibit No. 6.

6 Q. Please explain PGC Exhibit Nos. 6 and 6-A.

7 A. Exhibits 6 and 6-A respond to the Commission's filing requirement at  
8 52 Pa. Code § 53.64(c)(4) and describe Distribution's involvement in  
9 proceedings before FERC and other appropriate regulatory and  
10 judicial bodies. These proceedings encompass FERC rulemakings  
11 and other generic industry-wide issues, as well as proceedings  
12 involving the individual pipelines on which Distribution transports  
13 and/or stores gas. Distribution participates in FERC proceedings,  
14 both independently and as a member of the American Gas  
15 Association ("AGA").

16 Q. In what types of FERC proceedings does Distribution intervene?

17 A. Distribution intervenes in major rate filings, periodic adjustments to  
18 trackers/surcharge mechanisms that impact rates paid by  
19 Distribution, various refunds/credits, modifications to pipeline tariff  
20 provisions impacting service to Distribution, and construction  
21 project/abandonment filings for facilities that potentially impact  
22 service to Distribution and other matters that may have a generic  
23 policy impact beyond the scope of the pipeline's filing.

DIRECT TESTIMONY OF CAITLIN DIGIORE  
DOCKET NUMBER R-2024-3045177

1 Q. In which filings did Distribution intervene during the historical  
2 period?

3 A. Exhibit 6-A lists the dockets in which Distribution intervened,  
4 organized by pipeline. The date and type of intervention, along with  
5 a description of the docket, is provided in the exhibit.

6 Q. Were there any major rate proceedings during the historic period?

7 A. Yes, on July 31, 2023, National Fuel Gas Supply Corporation filed  
8 a Section 4 Rate Case in Docket No. RP23-929 proposing an  
9 approximately 68% increase to rates. On August 31, 2023, the FERC  
10 accepted and suspended the tariff records to be effective February 1,  
11 2024, subject to refund and the outcome of a hearing. Distribution  
12 filed a protest and intervention, and it is participating in the proceeding  
13 as part of a customer group. The matter is currently ongoing.  
14 Texas Eastern Transmission, LP ("Texas Eastern") filed a major  
15 Section 4 rate case in Docket No. RP21-1001 on July 30, 2021.  
16 The FERC rejected this filing and on September 30, 2021,  
17 Texas Eastern re- filed a Section 4 rate case in Docket No.  
18 RP21-1188. Distribution joined a customer group with similarly  
19 situated local distribution companies. As part of the customer group,  
20 Distribution engaged in a series of settlement negotiations that  
21 resulted in a Stipulation & Agreement filed on September 8,  
22 2022. The FERC issued a Letter Order approving the Stipulation  
23 Agreement on November 30, 2022. The FERC issued an Order on

DIRECT TESTIMONY OF CAITLIN DIGIORE  
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1 April 3, 2023 accepting Texas Eastern's compliance filing  
2 tariff records. On May 12, 2023, Texas Eastern issued a Base  
3 Rate Refund Report, which the FERC approved on June 9, 2023.

4 Q. Were there any other pipeline filings impacting the rates paid by  
5 Distribution?

6 A. Yes. Distribution intervened in several dockets on Columbia Gas  
7 Transmission, Supply, Tennessee Gas Pipeline and Texas Eastern  
8 updating other existing tracker mechanisms.

9 Q. How does Distribution approach generic issues at FERC?

10 A. Distribution participates through AGA, working with other gas  
11 utilities with similar interests. As an industry association, AGA's  
12 filings generally have more impact at FERC than the impact of  
13 individual utility filings.

14 Q. What types of FERC issues did Distribution address through its  
15 participation in AGA during the historic period?

16 A. AGA conducts outreach to FERC Staff, as necessary, to obtain a  
17 better understanding of the issues under consideration. During the  
18 historic period, significant topics included filing and reporting  
19 requirements, renewable natural gas, price indices, certification of  
20 facilities, energy derivative matters and pipeline safety.

21 AGA also provides support to gas utilities involved with the  
22 deliberations at the North American Energy Standards Board  
23 (often in response to FERC actions) to ensure meaningful  
24 standards development as well as to protect against standards

DIRECT TESTIMONY OF CAITLIN DIGIORE  
DOCKET NUMBER R-2024-3045177

1           that would shift costs to gas utilities and/or degrade the  
2           reliability of firm transportation services delivered to the city gate.

3        Q. Does this conclude your testimony?

4        A. Yes, at this time.

Verification

I, *Caitlin DiGiore, Regulatory Analyst II*, of the *Legal Department* of National Fuel Gas Distribution Corporation state that the facts set forth in the foregoing Purchased Gas Cost Filing under Section 1307(f) of the Public Utility Code and 52 Pa. Code §§ 53.64 and 53.65 Docketed at R-2024-3045177 including

Distribution PGC Statement No. 3  
Exhibit Nos. 6

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. This statement is made subject to the penalties of 18 Pa. C.S. § 4904 relating to unsworn falsifications to authorities.

*/s/ Caitlin DiGiore* \_\_\_\_\_  
Caitlin DiGiore

This 31st day of January, 2024

TESTIMONY OF  
GREGORY D. HARTS  
ON BEHALF OF  
NATIONAL FUEL GAS DISTRIBUTION CORPORATION

PENNSYLVANIA PUBLIC UTILITY COMMISSION

v.

NATIONAL FUEL GAS DISTRIBUTION CORPORATION  
(PURCHASED GAS COSTS -- 66 PA.C.S. SECTION 1307(f)),  
DOCKET NO. R-2024- 3045177

DIRECT TESTIMONY OF Gregory D. Harts  
PGC R-2024-3045177

1 Q. Please state your name and business address.

2 A. My name is Gregory Harts. My business address is  
3 6363 Main Street, Williamsville, NY 14421.

4 Q. By whom and in what capacity are you employed?

5 A. I am employed as an Assistant Manager, by National  
6 Fuel Gas Distribution Corporation ("Distribution" or  
7 the "Company"). Distribution is a regulated gas  
8 distribution company operating in western  
9 Pennsylvania.

10 Q. Please provide your educational background.

11 A. I graduated from Syracuse University, in 2013, with  
12 a Bachelor of Science degree in Mechanical  
13 Engineering. Additionally, I obtained a Master of  
14 Science degree in Business Administration from The  
15 State University of New York at Buffalo in 2020.

16 Q. Please provide your professional experience.

17 A. I worked for National Fuel Gas Supply Corporation  
18 within the Engineering Services department as an  
19 Associate Engineer, Engineer I, and Engineer II from  
20 2014 to 2021, and I have worked for Distribution as  
21 a Rate Analyst III and Assistant Manager from 2021  
22 to date.

DIRECT TESTIMONY OF Gregory D. Harts  
PGC R-2024-3045177

1 Q. Have you previously testified before the  
2 Pennsylvania Public Utility Commission  
3 ("Commission")?

4 A. Yes, I have submitted testimony before the  
5 Commission as part of the Company's recent rate case  
6 filing at Docket No. R-2022-3035730 and the  
7 Company's 2023 1307(f) filing, PGC R-2023-3037428.

8 Q. Have you previously testified before any other  
9 regulatory commissions?

10 A. Yes, I have presented testimony before the New York  
11 State Public Service Commission in Docket No. 23-G-  
12 0627.

13 Q. What is the subject of your direct testimony?

14 A. I am testifying with regard to PGC Exhibit Nos. 7-A,  
15 15, and 26-A.

16 Q. Were these exhibits prepared by you or prepared  
17 under your supervision and direction?

18 A. Yes, they were.

19 Q. Is the content of these exhibits true and correct to  
20 the best of your knowledge, information, and belief?

21 A. Yes, it is.

22 Q. Please explain PGC Exhibit No. 7-A.

DIRECT TESTIMONY OF Gregory D. Harts  
PGC R-2024-3045177

1 A. PGC Exhibit No. 7-A is Distribution's work product  
2 for the filing requirement at 52 Pa. Code §53.64  
3 (c) (5), which requires that a list and update of any  
4 gas supply and demand projections be provided to the  
5 Commission for any purpose. Page 2 of PGC Exhibit  
6 No. 7-A provides a copy of Distribution's Form-IRP-  
7 GAS-1A: Annual Gas Demand Requirements, which has  
8 been filed pursuant to 52 Pa. Code §59.81-84.

9 Q. Please explain PGC Exhibit No. 15.

10 A. PGC Exhibit No. 15 identifies and supports  
11 Distribution's projected design peak day  
12 requirements for the twelve months ending September  
13 30, 2025. Page 3 shows the projected peak day  
14 requirement. Data based on 74 heating degree days is  
15 provided because this level of degree days was used  
16 for peak day planning purposes, as further described  
17 in PGC Exhibit No. 24. Pages 4 through 12 establish  
18 the base case design peak day. For the heat sensitive  
19 classes (both retail sales and transportation  
20 service) such as residential, commercial, and public  
21 authority, Distribution utilizes a method of  
22 extracting a base load volume and computing a daily

DIRECT TESTIMONY OF Gregory D. Harts  
PGC R-2024-3045177

1 heating volume for 74 heating degree days. The daily  
2 base load volume is added to the daily heating volume  
3 to determine the base case peak day sales. Gas usage  
4 of customers in the industrial classes, Small Volume  
5 Industrial Service ("SVIS"), Intermediate Volume  
6 Industrial Service ("IVIS"), Large Volume Industrial  
7 Service ("LVIS"), Large Industrial Service ("LIS"),  
8 and Daily Metered Large Manufacturing Transportation  
9 Service ("DMLMTS"), is computed based on an operating  
10 schedule. For the SVIS and IVIS classes, Distribution  
11 utilizes an operating schedule of 21 working days in  
12 a month to calculate peak day sales. For the LVIS,  
13 LIS and DMLMTS classes, Distribution utilizes  
14 customer operating schedules, as shown on Pages 11  
15 and 12, to calculate peak day sales. Pages 13 and 16  
16 show the residential model variables, pages 13, 14,  
17 16, and 17 show the commercial model variables, pages  
18 14, and 17 show the industrial model variables, and  
19 pages 15 and 18 show the public authority model  
20 variables used in the econometric models for each of  
21 the respective revenue classes. Page 19 provides the  
22 number of extreme degree days based on a National

DIRECT TESTIMONY OF Gregory D. Harts  
PGC R-2024-3045177

1 Oceanic and Atmospheric Administration ("NOAA")  
2 calendar day (12am - 12am), including the mean  
3 temperature, for the most recent heating seasons over  
4 the previous 30 years.

5 Q. Please explain PGC Exhibit No. 26-A.

6 A. PGC Exhibit No. 26-A, page 2, provides  
7 Distribution's estimate of the 2025 design peak day  
8 requirements based on 74 heating degree days. The  
9 term "design peak day" refers to the practice that  
10 is standard in the natural gas industry under which  
11 pipeline capacity planning, storage capacity  
12 planning, and natural gas supply planning are based  
13 on customers' requirements on the coldest winter day  
14 reasonably expected to be experienced. An  
15 explanation of Distribution's design peak day  
16 requirements, including the requirements of  
17 transportation service customers, is provided in PGC  
18 Exhibit No. 15.

19 Q. Why was 74 heating degree days used in the  
20 calculation of design peak day requirements?

21 A. After a review of the coldest days experienced  
22 during several winter heating seasons, as well as a

DIRECT TESTIMONY OF Gregory D. Harts  
PGC R-2024-3045177

1 review of what design peak days other local  
2 distribution companies ("LDCs") prepare for,  
3 Distribution determined that the most appropriate  
4 level of degree days for peak day planning in its  
5 service territory was 74 heating degree days.  
6 Distribution has had two days in the past 30 years  
7 where there has been at least 74 heating degree  
8 days, based on a typical gas day (10am - 10am). In  
9 Distribution's 2000 1307(f) proceeding, the  
10 Commission concluded that this was a reasonable  
11 level of heating degree days to use for system  
12 planning purposes.

13 "Upon our careful review of the recommendation of  
14 the ALJ and the position of the Parties, we find  
15 that the ALJ's recommendation of approval of  
16 NFGD's proposal to use 74 heating degree days for  
17 purposes of both planning the necessary levels of  
18 pipeline and storage capacity on interstate  
19 pipeline companies and for allocating costs of  
20 capacity among classes of customers is  
21 reasonable." (Opinion and Order, R-994898,  
22 Adopted: August 17, 2000, pg. 17.)  
23

24 Q. Does this conclude your direct testimony?

25 A. Yes, it does at this time.

Verification

I, *Gregory D. Harts*, Assistant Manager, of the Rates & Regulatory Affairs Department of National Fuel Gas Distribution Corporation state that the facts set forth in the foregoing Purchased Gas Cost Filing under Section 1307(f) of the Public Utility Code and 52 Pa. Code §§ 53.64 and 53.65 Docketed at R-2024-3045177 including

Distribution PGC Statement No. 4, Direct Testimony of Gregory D. Harts  
Exhibit Nos. 7-A, 15, and 26-A

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. This statement is made subject to the penalties of 18 Pa. C.S. § 4904 relating to unsworn falsifications to authorities.

*Gregory D. Harts*

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Gregory D. Harts

This 31st day of January, 2024

TESTIMONY OF  
NICHOLAS J. HEWA  
ON BEHALF OF  
NATIONAL FUEL GAS DISTRIBUTION CORPORATION

PENNSYLVANIA PUBLIC UTILITY COMMISSION  
V.  
NATIONAL FUEL GAS DISTRIBUTION CORPORATION  
(PURCHASED GAS COSTS -- 66 PA.C.S. SECTION 1307(f)),  
DOCKET NO. R-2024-3045177

DIRECT TESTIMONY OF NICHOLAS J. HEWA  
R-2024-3045177

1 Q. Please state your name and business address.

2 A. My name is Nicholas Joseph Hewa and my business address is 6363 Main Street, Williamsville, New  
3 York 14221.

4 Q. By whom are you employed and in what capacity?

5 A. I am employed by National Fuel Gas Distribution Corporation ("Distribution" or the  
6 "Company") as a Rate Analyst II in the Rates and Regulatory Affairs Department.

7 Q. Will you state briefly your educational background and experience?

8 A. I received a Bachelor's of Business Administration with a concentration in Finance from the  
9 University at Buffalo in May 2018. I went on to receive a Master's of Business  
10 Administration with a specialization in Finance from Canisius College in August 2019. Prior  
11 to joining Distribution, I interned at Integer Holdings Corporation, a medical device outsource  
12 manufacturer, within the financial planning and analysis department for about 6 months,  
13 leaving in August 2019. After my internship, I worked at Ingram Micro, an information  
14 technology product and service distributor, for about 6 months, specializing in data analysis,  
15 leaving in early March 2020. Later in March 2020, I was hired by Distribution as a Rate  
16 Analyst I in the Rates and Regulatory Affairs Department. In February 2022, I was promoted  
17 to my current position of Rate Analyst II.

18 Q. Please summarize your responsibilities in this position relative to this proceeding.

19 A. My responsibilities include preparation of filings relating to recovery of gas costs. Therefore, I am  
20 familiar with the Pennsylvania Public Utility Commission's ("Commission") procedures for gas cost  
21 recovery.

22 Q. What is the purpose of your testimony?

23 A. I am testifying in support of PGC Exhibit Nos. 1, 2, 3, 21, 21-A, 21-B and 21-C.

24 Q. Please describe PGC Exhibit 1.

25 A. PGC Exhibit 1 details, by month, for the twelve months ended November 30, 2023, volumes  
26 and costs of gas purchased from upstream suppliers, local production, and Peoples TWP LLC.  
27 The data shown in PGC Exhibit No. 1 represents historical information from Distribution's  
28 books and records.

DIRECT TESTIMONY OF NICHOLAS J. HEWA  
R-2024-3045177

1           The category entitled "Upstream Purchases" on PGC Exhibit No. 1, Schedule 1,  
2 Sheet 1 reflects Distribution's cost of purchasing gas from various upstream producers, whose  
3 gas is transported by long-line interstate pipeline companies to National Fuel Gas Supply  
4 Corporation ("Supply"), which in turn delivers the gas supplies to Distribution. A monthly  
5 breakdown of Distribution's commodity and demand costs from upstream suppliers is  
6 provided in PGC Exhibit No. 1, Schedule 1, Sheet 2. Further detail of Distribution's costs  
7 from upstream suppliers is provided in PGC Exhibit No. 1, Schedule 2, Sheet 1.

8           The category entitled "Storage" on PGC Exhibit No. 1, Schedule 1, Sheet 1 reflects  
9 Distribution's charges from storage providers for space required within their facilities and the  
10 cost of gas purchased for storage. A monthly breakdown of Distribution's rental and storage  
11 gas cost is provided in PGC Exhibit No. 1, Schedule 2, Sheet 2.

12           The category entitled "Transportation" on PGC Exhibit No. 1, Schedule 1, Sheet 1  
13 reflects charges for transportation of gas purchased from suppliers. A monthly breakdown of  
14 Distribution's costs for transportation of upstream gas is provided in PGC Exhibit No. 1,  
15 Schedule 4.

16           The Demand cost of gas is split between Demand-Natural Gas Supply ("Demand-  
17 NGS") and Demand-Distribution Charge ("Demand-DC"). Demand-DC includes the cost of  
18 pipeline capacity and storage needed to provide peak delivery/temperature swing  
19 requirements for Distribution's sales and SATC customers. These are costs that Distribution  
20 would incur even if all customers converted to transportation service. A certain amount of  
21 capacity would have to be maintained to serve these peaking requirements. PGC Exhibit No.  
22 1, Schedule 5 provides a detailed calculation of the Demand-DC costs. Demand-NGS  
23 includes the remaining demand costs incurred to provide sales service. The Demand-NGS  
24 costs represent total demand costs less Demand-DC costs.

25           Distribution shares Capacity Release Revenues on a 75%/25% basis. The  
26 transportation amount includes the adjustment necessary to flow through 75% of these  
27 revenues to ratepayers.

DIRECT TESTIMONY OF NICHOLAS J. HEWA  
R-2024-3045177

1           The category entitled "Transportation Credit" on PGC Exhibit No. 1, Schedule 1,  
2 Sheet 1 reflects the costs recovered from transportation customers. A monthly breakdown of  
3 Distribution's transportation credits is provided in PGC Exhibit No. 1, Schedule 1, Sheet 4.

4           The category entitled "Local Production" on PGC Exhibit No. 1, Schedule 1, Sheet 1  
5 reflects Distribution's cost of gas purchased from local producers. A monthly breakdown of  
6 Distribution's cost of gas purchased from local producers is provided in PGC Exhibit No. 1,  
7 Schedule 1, Sheet 3.

8           The category entitled "Peoples Gas Company" on PGC Exhibit No. 1, Schedule 1,  
9 Sheet 1 reflects Distribution's cost of purchasing a small volume of gas from Peoples TWP  
10 LLC, under its Rate Schedule SWS - Small Wholesale Service. A monthly breakdown of  
11 Distribution's cost from Peoples TWP LLC is provided in PGC Exhibit No. 1, Schedule 3.  
12 Peoples TWP LLC is the only physical source of supply for a small portion of Distribution's  
13 system. In order to obtain other supplies Distribution would have to make a substantial  
14 investment for the construction of new facilities to physically connect a few existing  
15 customers to Distribution's other sources of supply. The customers referenced are located in  
16 Butler County, at the extremity of Distribution's system. The category entitled "Exchange  
17 Gas" on PGC Exhibit No. 1, Schedule 1, Sheet 1 reflects the recognition of gas costs related  
18 to any monthly imbalances associated with two Exchange Agreements as discussed in PGC  
19 Exhibit No. 8 and further explained in PGC Exhibit No. 4. The monthly breakdown of  
20 Distribution's costs associated with Exchange Gas is provided in PGC Exhibit No. 1,  
21 Schedule 1, Sheet 6.

22           The category entitled "Off-System Sales" on PGC Exhibit No. 1, Schedule 1, Sheet 1  
23 reflects costs of gas purchased for sale to customers that are not part of Distribution's retail  
24 system. Such purchases are removed from gas costs to properly reflect gas purchased to serve  
25 Distribution's retail customers. The monthly breakdown of Distribution's gas costs associated  
26 with Off-System Sales is provided in PGC Exhibit No. 1, Schedule 1, Sheet 7.

27           As stated in PGC Exhibit No. 8 and approved under previous settlements of  
28 Distribution's 1307(f) proceedings, Distribution retains 25% of the net revenues from off-

DIRECT TESTIMONY OF NICHOLAS J. HEWA  
R-2024-3045177

1 system sales. The remaining 75% of the net revenues are flowed through to ratepayers. The  
2 category entitled "Off-System Sales Refund" on PGC Exhibit No. 1, Schedule 1, Sheet 1  
3 reflects this 75% flow through of the net revenues. The monthly breakdown of Off-System  
4 Sales Refunds is provided in PGC Exhibit No. 1, Schedule 1, Sheet 8.

5 The category entitled "Credit – Line Hits" on PGC Exhibit No. 1, Schedule 1, Sheet  
6 1 reflects payments received by Distribution as compensation for gas lost as a result of  
7 damage to Distribution's facilities. Generally, such payments are received from construction  
8 contractors that cause damage to Distribution's facilities, typically during excavation projects.  
9 A monthly breakdown of these amounts is provided in PGC Exhibit No. 1, Schedule 1, Sheet  
10 5.

11 Q. Please explain PGC Exhibit No. 2 and PGC Exhibit No. 3.

12 A. PGC Exhibit No. 2 and PGC Exhibit No. 3 contain data pertaining to projected volumes and  
13 costs of gas to be purchased by Distribution. PGC Exhibit No. 2 contains projected data, by  
14 month, for gas to be purchased from suppliers during the period December 1, 2023 through  
15 July 31, 2024. PGC Exhibit No. 3 contains projected data, by month, for gas to be purchased  
16 from suppliers during the twelve-month period ending July 31, 2025.

17 Q. Please summarize how the projected data, contained in PGC Exhibit No. 2 and PGC Exhibit  
18 No. 3, was prepared.

19 A. Based upon forecasted sales of gas explained by Mr. Harts, Distribution determined the total  
20 volume of gas that Distribution would be required to purchase in order to make the projected  
21 level of sales to its customers. Volumes of gas that Distribution would be able to obtain from  
22 local producers and the small volume of gas to be purchased from Peoples TWP LLC were  
23 projected. The remainder of gas supplies was projected to be purchased from upstream  
24 suppliers.

25 PGC Exhibit No. 2, Schedule 1 and PGC Exhibit No. 3, Schedule 1 summarize the  
26 projections of costs by category. PGC Exhibit No. 2, Schedule 1 summarizes projections for  
27 the eight-month period ending July 31, 2024. PGC Exhibit No. 3, Schedule 1 summarizes  
28 projections for the twelve-month period ending July 31, 2025.

DIRECT TESTIMONY OF NICHOLAS J. HEWA  
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1           The category entitled "Transportation Credit" on PGC Exhibit No. 2, Schedule 1  
2 reflects revenues for recovery of purchased gas costs of transportation and storage expected  
3 from transportation customers. The "Transportation Credit" reflected on Exhibit No. 3,  
4 Schedule 1 is based upon the rate that is discussed in Mrs. Wesoloski's testimony. PGC  
5 Exhibit No. 2, Schedule 1 summarizes such data for the eight-month period ending July 31,  
6 2024. PGC Exhibit No. 3, Schedule 1 summarizes data for the twelve-month period ending  
7 July 31, 2025.

8           PGC Exhibit No. 2, Schedule 2 and PGC Exhibit No. 3, Schedule 2 provide detailed  
9 calculations of projected costs for upstream purchases and storage. PGC Exhibit No. 2,  
10 Schedule 2 provides data for the eight-month period ending July 31, 2024. PGC Exhibit No.  
11 3, Schedule 2 provides data for the twelve-month period ending July 31, 2025. The  
12 projections of upstream supplier costs were explained previously in this testimony and the  
13 wellhead price projection is explained in Mr. Harts' testimony.

14           PGC Exhibit No. 2, Schedule 3 and PGC Exhibit No. 3, Schedule 3 provide detail of  
15 projected volumes and costs of gas to be purchased from Peoples TWP LLC. PGC Exhibit  
16 No. 2, Schedule 3 provides such data for the eight-month period ending July 31, 2024 and  
17 PGC Exhibit No. 3, Schedule 3 provides such data for the twelve month period ending July  
18 31, 2025. These projections are based on historical amounts for the twelve months ended  
19 November 30, 2023.

20           PGC Exhibit No. 2, Schedule 4 and PGC Exhibit No. 3, Schedule 4 provide the  
21 amount of credits related to capacity release by month. PGC Exhibit No. 2, Schedule 4  
22 provides data for the eight-month period ending July 31, 2024 and PGC Exhibit No. 3,  
23 Schedule 4 provides data for the twelve month period ending July 31, 2025. The projection  
24 of capacity release credits is explained in Mrs. Wesoloski's testimony.

25           PGC Exhibit No. 2, Schedule 5 and PGC Exhibit No. 3, Schedule 5 provide the  
26 temperature swing/peaking capacity cost, which is the Demand-DC cost of gas. PGC Exhibit  
27 No. 2, Schedule 5 provides data for the eight-month period ending July 31, 2024 and PGC  
28 Exhibit No. 3, Schedule 5 provides data for the twelve month period ending July 31, 2025.

DIRECT TESTIMONY OF NICHOLAS J. HEWA  
R-2024-3045177

1 Q. Please explain PGC Exhibit No. 21.

2 A. PGC Exhibit No. 21 is a computation of the projected cost of purchased gas that would be  
3 included in rates effective August 1, 2024. This amount includes projected gas costs through  
4 the end of the application period, July 31, 2025 and projected over/under collections through  
5 July 31, 2024.

6 As indicated on PGC Exhibit No. 21, Schedule 1, Sheet 4, the total projected cost of  
7 purchased gas per Mcf is \$5.9281. Of this amount, \$3.3112 per Mcf is the commodity cost  
8 (including the "E" factor), and \$2.6169 per Mcf is the demand cost (including the "E" factor).

9 The cost of gas has been separated into four categories on PGC Exhibit No. 21,  
10 Schedule 1, Sheet 4: the Natural Gas Supply Charge, the Gas Adjustment Charge, the  
11 Distribution Charge, and the Total Gas Costs.

12 For gas supplied to all classes of retail customers (except those receiving service  
13 under load balancing service and natural gas vehicle service rate schedules), the Natural Gas  
14 Supply Charge is \$5.5335/Mcf. This represents an increase of \$.9259/Mcf from the Natural  
15 Gas Supply Charge of \$4.6076/Mcf included in rates from November 1, 2023 through  
16 January 31, 2024.

17 For gas supplied to all classes of retail customers (except those receiving service  
18 under load balancing service and natural gas vehicle service rate schedules), the Gas  
19 Adjustment Charge is (\$0.0479)/Mcf. This represents an increase of \$1.0634/Mcf compared  
20 to the Gas Adjustment Charge of (\$1.1113)/Mcf included in rates from November 1, 2023  
21 through January 31, 2024.

22 For gas supplied to all classes of retail customers (except those receiving service  
23 under load balancing service and natural gas vehicle service rate schedules), the Distribution  
24 Charge is \$0.4425/Mcf. This represents an increase of \$0.0631/Mcf compared to the  
25 Distribution Charge of \$0.3794/Mcf included in rates from November 1, 2023 through  
26 January 31, 2024.

27 In total, for gas supplied to all classes of customers (except those receiving service  
28 under load balancing or natural gas vehicle service rate schedules), the projected cost of gas is

DIRECT TESTIMONY OF NICHOLAS J. HEWA  
R-2024-3045177

1 \$5.9281 per Mcf. This represents an increase of \$2.0524 per Mcf from the amount of  
2 \$3.8757 per Mcf included in rates from November 1, 2023 through January 31, 2024 for the  
3 recovery of purchased gas costs.

4 The increase in rates for the recovery of purchased gas costs results from a number of  
5 factors, including an increase in the “E” or experienced factor. As detailed on Exhibit NJH-  
6 1, the current “E” factor reflected in rates as of November 1, 2023 is an overcollection of  
7 \$23,687,952 (\$1.0928/Mcf).<sup>1</sup> The projected sales for passback of the “E” factor for the  
8 period (Twelve Months Ended “TME” July 2024) are 21,708,981 Mcf for Commodity and  
9 Demand-NGS and 23,651,935 Mcf for Demand-DC. As shown on PGC Exhibit No. 21,  
10 Schedule 1, Sheets 1-3, Distribution projects, through July 31, 2025, an “E” factor  
11 overcollection of \$1,020,384 (\$0.0469)/Mcf.<sup>2</sup> The projected sales for passback of the “E”  
12 factor this period (TME July 2025) are 21,817,752 Mcf for Commodity and Demand-NGS  
13 and 23,830,142 for Demand-DC. The projected undercollection produces an increase in rates  
14 of \$1.0459/Mcf.<sup>3</sup>

15 The “C” factor rate increased. The current “C” factor reflected in rates as of  
16 November 1, 2023 is \$108,555,079.<sup>4</sup> The projected sales for the period (TME July 2024) are  
17 21,708,981 Mcf for Commodity and Demand-NGS and 23,651,935 Mcf for Demand-DC. As  
18 shown on PGC Exhibit No. 21, Schedule 1, Sheets 1-3, Distribution projects, through July 31,  
19 2025, “C” factor costs of \$131,250,133.<sup>5</sup> The projected sales for this period (TME July

---

<sup>1</sup> Commodity: \$26,097,749; \$1.2021 (Exhibit NJH-1, Page 1, Line 11) + Demand-NGS: (\$1,972,167); (\$0.0908) (Exhibit NJH-1, Page 2, Line 11) + Demand-DC: (\$437,630); (\$0.0185) (Exhibit NJH-1, Page 3, Line 11)

<sup>2</sup> Commodity: \$4,277,608 ÷ 21,817,752 Mcf = \$0.1961 per Mcf (Exhibit 21, Sch1, Pg1) + Demand-NGS: (\$3,233,172) ÷ 21,817,752 Mcf = (\$0.1482)/Mcf (Exhibit 21, Sch1, Sheet 2) + Demand-DC: (\$24,052) ÷ 23,830,142 Mcf = (\$0.0010)/Mcf (Exhibit 21, Sch1, Sheet 3)

<sup>3</sup> Where rates \$1.0928/Mcf (“E” factor included in current rates) and (\$0.0469)/Mcf (“E” factor included in projected); then \$1.0928 – (\$0.0469) = \$1.0459/Mcf

<sup>4</sup> \$108,555,079 = Commodity: \$60,009,393 (Exhibit NJH-1, Page 1, Line 3) + Demand-NGS: \$40,032,755 (Exhibit NJH-1, Page 2, Line 3) + Demand-DC: \$8,536,671 (Exhibit NJH-1, Page 3, Line 3) + Storage Int Commodity: (\$23,740) (Exhibit NJH-1, Page 4)

<sup>5</sup> \$131,250,133 = \$76,803,656 (PGC Exhibit 21, Schedule 1, Sheet 1, Commodity) + \$44,207,399 (PGC Exhibit 21, Schedule 1, Sheet 2, Demand-NGS) + \$10,519,956 (PGC Exhibit 21, Schedule 1, Sheet 3, Demand-DC) + (\$280,878) (PGC Exhibit 21B, Sheet 2, Commodity - Storage).

DIRECT TESTIMONY OF NICHOLAS J. HEWA  
R-2024-3045177

1 2025) are 21,817,752 Mcf for Commodity and Demand-NGS and 23,830,142 Mcf for  
2 Demand-DC. The change in the “C” factor results in an increase in rates of \$1.0065/Mcf.<sup>6</sup>  
3 As shown on PGC Exhibit No. 21, Schedule 1, Sheet 1 this increase includes (\$0.0129)/Mcf  
4 for the passback of storage interest expense. The sum of the change in the “E” factor and the  
5 “C” factor represents a total increase of \$2.0524/Mcf [(\$1.0459 + \$1.0065) = \$2.0524].

6 PGC Exhibit No. 21, Schedules 2 through 11 explain the derivation of Distribution’s  
7 experienced over/under collection factor (“E” factor) used in PGC Exhibit No. 21, Schedule  
8 1.

9 PGC Exhibit No. 21, Schedules 4 and 10 detail refunds, by component, received by  
10 Distribution, and these schedules also calculate interest on each refund. There were no  
11 refunds received during the twelve months ended November 30, 2023.

12 The information provided above was derived on the assumption that rates effective  
13 November 1, 2023, will remain in effect through July 31, 2024. In all likelihood, the  
14 quarterly filings for February 1 and May 1, 2024, will adjust rates. The amount of net  
15 adjustment, however, is not presently known.

16 Q. Please describe the methodology used to determine the interest rate that is applied to the  
17 over/undercollection of purchased gas costs and storage injections/withdrawals.

18 A. The interest rate to be applied to the over/undercollection of purchased gas costs and storage  
19 injections/withdrawals is based on Act 47 of Public Utility Code (66 PA. C.S.). Under this  
20 methodology, refunds to customers shall be made with and recoveries from customers shall  
21 include interest at the prime rate for commercial borrowing in effect 60 days prior to the tariff  
22 filing and as reported in a publicly available source identified by the Commission or at an  
23 interest rate which may be established by the Commission by regulation.

24 Q. Please describe PGC Exhibit No. 21A.

6

$\$5.9750$  (PGC 2024) less  $\$4.9685$  (PGC 2023 November 1) =  $\$1.0065$ /Mcf. Where  $\$5.9750$ /Mcf (“C” factor in projected rates) =  $(\$76,803,656 \div 21,817,752) + (\$44,207,399 \div 21,817,752 \text{ Mcf}) + (\$10,519,956 \div 23,830,142 \text{ Mcf})$  or  $\$5.9879$ /Mcf +  $(\$0.0129)$ /Mcf; and  $\$4.9685$ /Mcf (“C” factor in current rates) = (Commodity:  $\$2.7643$ /Mcf Exhibit NJH-1, Page 1, Line 7) + (Demand-NGS:  $\$1.8440$ /Mcf Exhibit NJH-1, Page 2, Line 7) + (Demand-DC:  $\$0.3609$ /Mcf Exhibit NJH-1, Page 3, Line 7) + (Storage Commodity:  $(\$0.0007)$ /Mcf Exhibit NJH-1, Page 4)

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1 A. PGC Exhibit No. 21A is the Statement of Over/Undercollections for the twelve months ended  
2 November 30, 2023. The exhibit provides separate detail for the Commodity, Demand–NGS  
3 and Demand–DC components of purchased gas costs, and the exhibit is self-explanatory.

4 Q. Please explain the purpose of PGC Exhibit No. 21B.

5 A. PGC Exhibit No. 21B is a calculation of interest on storage injections and withdrawals. Sheet  
6 1 shows the twelve months ending July 31, 2024, and Sheet 2 shows the twelve months  
7 ending July 31, 2025.

8 For base rate purposes, Distribution has valued gas in storage at its average inventory  
9 cost. That is, withdrawals from and injections into storage are priced at the average cost of all  
10 gas in storage at the beginning of the gas storage cycle. However, for purchased gas cost  
11 purposes, Distribution uses the last-in, first-out ("LIFO") method. The LIFO method prices  
12 withdrawals and injections at the average cost of all gas purchases for the current year. The  
13 LIFO method is appropriate for gas cost purposes because it recognizes that current purchases  
14 of gas are used to serve current requirements and that storage withdrawals used to serve peak  
15 requirements are only short term and are refilled every year.

16 Over a normal twelve-month period, withdrawals and injections will be equivalent,  
17 and thus the beginning and ending storage balances under the two methods will be the same.  
18 However, Distribution recognizes that there is a time value of money component to pricing  
19 storage gas at the average inventory cost, for working capital purposes in base rates. For  
20 example, in a winter month, Distribution will be using storage having an inventory value of  
21 \$1.1915 per Mcf to serve peak requirements, and will charge customers a higher, fiscal year  
22 rate of \$5.6139 per Mcf for such gas. Conversely, in a summer month, Distribution will refill  
23 storage using purchases priced at \$5.6139 per Mcf, but the inventory value of these injections  
24 will be the lower \$1.1915 per Mcf average inventory rate.

25 In order to recognize time value of money differences in this 1307(f) proceeding,  
26 interest is calculated on storage injections and withdrawals based upon the rate differential  
27 between the storage rate and the inventory rate on a fiscal year basis.

28 Q. Please summarize the calculation of interest shown on PGC Exhibit No. 21B.

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1 A. PGC Exhibit No. 21B, Sheets 1 and 2 show the interest calculation for the twelve months  
2 ending July 31, 2024, and July 31, 2025, respectively. This calculation projects the estimated  
3 interest to be incurred during the indicated PGC period. The calculation, as detailed below,  
4 allows for immediate passback or recovery based on a uniform amount per Mcf during the  
5 current twelve-month PGC period in which expense or income arises. This methodology, as  
6 approved per the order at Docket No. R-2010-2150861, matches the occurrence of income or  
7 expense with the reflection of such income or expense in rates. In addition, this methodology  
8 allows for quarterly updates to the estimated interest, based on actual information, through the  
9 C-Factor gas cost recovery mechanism.

10 The net interest income in the amount of \$12,081 on PGC Exhibit No. 21B, Sheet 1  
11 flows to PGC Exhibit No. 21, Schedule 11, Sheet 4. This amount is compared to the total  
12 estimated interest income to be recovered during the twelve months ending July 31, 2024  
13 through the C-Factor. The difference represents the estimated amount that will be included in  
14 the E-Factor for the twelve months ending July 31, 2024.

15 PGC Exhibit No. 21B, Sheet 2 shows the interest calculation for the twelve months  
16 ending July 31, 2025. The calculation shows an estimated net interest expense in the amount  
17 of \$280,878. This amount is projected to be passed back during the rate application period in  
18 which it occurs, which is the twelve months ending July 31, 2025. As shown on Sheet 2, the  
19 net interest expense of \$280,878 will be passed back at a rate of (\$0.0129) per Mcf, included  
20 in the C-Factor on PGC Exhibit No. 21, Schedule 1, Sheet 1.

21 Q. Please explain the calculation of interest shown on PGC Exhibit No. 21B, Sheet 2.

22 A. The schedule identifies months with estimated or actual data as open or closed periods.  
23 Columns 1 and 2 show storage injections and withdrawals. Column 3 shows the rate  
24 differential which represents the difference between the storage inventory rate included in  
25 base rates calculated on an average cost method and the inventory rate charged through the  
26 1307(f) gas cost recovery mechanism based on the LIFO valuation method.

27 Storage injections represent decreases to purchased gas expense as theoretically a  
28 portion of volumes purchased and paid by Distribution exceeding the current requirements.

DIRECT TESTIMONY OF NICHOLAS J. HEWA  
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1 The Cost Paid by Distribution but not Charged through the PGC, Column 5, is calculated by  
2 multiplying the injections (column 1) by the rate differential (column 3). These costs result  
3 in interest income to be recovered from the ratepayer, as they will not be charged through  
4 purchased gas costs until the gas is withdrawn. Storage withdrawals represent increases to  
5 purchased gas expense, as theoretically requirements exceed current purchases. The Cost  
6 Charged through the PGC but not Paid by Distribution, Column 4, is calculated by  
7 multiplying the withdrawals (column 2) by the rate differential (column 3). These costs result  
8 in interest expense to be passed back to the ratepayer, as they are charged through purchased  
9 gas costs when the gas is withdrawn, but were paid by Distribution when the gas was  
10 injected. Storage Net Paid/Net Charged in Column 6 is the sum of columns 4 and 5.

11 The Interest Weight (column 7) represents the ratio of the twelve-month PGC period  
12 the interest is expected to be outstanding. The Interest Rate (column 8) represents the  
13 statutory rate to be charged for interest based on the estimated net over/undercollection of  
14 associated storage costs for the twelve months ended July. Column 9 represents the  
15 calculation of gross storage interest expense or interest income. This is calculated by  
16 multiplying the Storage Net Paid/Net Charged (column 6) by the applicable prorated interest  
17 rate (column 7 x column 8). The sum of the monthly values in column 9 (Gross Storage  
18 Interest Expense/Revenue) represents the amount of storage interest expense/income due  
19 to/from ratepayers.

20 Q. Please explain PGC Exhibit No. 21C.

21 A. PGC Exhibit No. 21C, provides the “Explanation that Over/Undercollections for the Twelve  
22 Months Ended November 30, 2023, resulted from a Least-Cost Procurement Policy”, which  
23 is a statement that is required to be filed with the Commission pursuant to their regulation at  
24 52 Pa. Code Section 53.64(i). The exhibit is self-explanatory.

25 Q. Does this conclude your direct testimony?

26 A. Yes, it does at this time.

Verification

I, Nicholas Hewa, Rate Analyst II, of the Rates and Regulatory Affairs Department of National Fuel Gas Distribution Corporation state that the facts set forth in the foregoing Purchased Gas Cost Filing under Section 1307(f) of the Public Utility Code and 52 Pa. Code §§ 53.64 and 53.65 Docketed at R-2024-3045177 including

Distribution PGC Statement No. 5 Direct Testimony of Nicholas Hewa  
Exhibit Nos. 1, 2, 3, 21, 21-A, 21-B, 21-C, and NJH-1

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. This statement is made subject to the penalties of 18 Pa. C.S. § 4904 relating to unsworn falsifications to authorities.

*Nicholas Hewa*

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Nicholas J. Hewa

This 31st day of January, 2024

TESTIMONY OF  
TRACY L. WESOLOSKI  
ON BEHALF OF  
NATIONAL FUEL GAS DISTRIBUTION CORPORATION

PENNSYLVANIA PUBLIC UTILITY COMMISSION  
v.  
NATIONAL FUEL GAS DISTRIBUTION CORPORATION  
(PURCHASED GAS COSTS -- 66 PA.C.S. SECTION 1307(f)),  
DOCKET NO. R-2024-3045177

DIRECT TESTIMONY OF TRACY L. WESOLOSKI  
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1 Q. Please state your name and business address.

2 A. My name is Tracy L. Wesoloski and my business address  
3 is 6363 Main Street, Williamsville, New York 14221.

4 Q. By whom are you employed and in what capacity?

5 A. I am employed by National Fuel Gas Distribution  
6 Corporation ("Distribution" or the "Company") as an  
7 Assistant Manager in the Rates and Regulatory Affairs  
8 Department.

9 Q. What is your educational background and experience?

10 A. I received a Bachelor of Science Degree in Finance and  
11 Economics from Canisius College in May 2003. I  
12 received a Masters of Business Administration from the  
13 University at Buffalo in December 2009. Prior to  
14 joining the Rates and Regulatory Affairs department in  
15 March 2022, I worked in the Finance department at the  
16 Company for 17 years.

17 Q. What is the purpose of your testimony?

18 A. I am testifying in support of PGC Exhibit Nos. 2  
19 (Partial), 3 (Partial), 13, 13A, 17, 23, 24, 24A, 28,  
20 29, 33 and 34. I will also provide a general  
21 description of the Company's rates for recovery of  
22 purchased gas costs charged to transportation  
23 customers.

DIRECT TESTIMONY OF TRACY L. WESOLOSKI  
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1 Q. Please explain PGC Exhibit 2, Schedule 4 and PGC  
2 Exhibit No. 3, Schedule 4.

3 A. PGC Exhibit No. 2, Schedule 4 reflects a projection of  
4 the value of capacity releases of \$2,622,958 for the  
5 link period, the eight months ending July 31, 2024.

6 PGC Exhibit No. 3, Schedule 4 reflects a projection of  
7 \$6,904,343 for the rate year period, the twelve months  
8 ending July 31, 2025. These values include releases  
9 by Distribution as part of its Enhanced Firm  
10 Transportation ("EFT") transportation and Enhanced  
11 Storage Service ("ESS") storage entitlements on Supply  
12 to the Small Aggregation Transportation Supplier  
13 ("SATS") Service marketers, as well as releases to  
14 others. The total value of such capacity released to  
15 the SATS marketers is projected to be \$1,343,187 for  
16 the link period and \$5,103,825 for the rate period.

17 Q. Please explain the rate structure changes included in  
18 PGC Exhibit No. 13.

19 A. Distribution has implemented a system-wide customer  
20 choice program in compliance with the Natural Gas  
21 Choice and Competition Act ("Act") (66 Pa. CS. §§  
22 2201-12). This program provides an opportunity to all  
23 of Distribution's small volume customers (except those  
24 served under the Low-Income Residential Assistance

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1 Rate Schedule) for aggregated transportation services.

2 Under Distribution's system-wide choice program,  
3 qualified natural gas suppliers ("NGSs") are able to  
4 serve the aggregated gas supply requirements of their  
5 customers. Customers receive transportation service  
6 under Distribution's Small Aggregation Transportation  
7 Customer Service Rate Schedule ("Rate Schedule SATC").  
8 NGSs are required to qualify for service under SATS.

9 Under the SATS tariff, Distribution is the  
10 Supplier of Last Resort ("SOLR"). Distribution  
11 retains upstream capacity necessary for operational  
12 purposes. Distribution releases to NGSs sufficient  
13 pipeline capacity to meet the requirements of  
14 customers that have chosen to be served by the NGSs.

15 The total capacity requirements of the NGSs are  
16 calculated based on 62 heating degree days during the  
17 rate year. The 62-degree day factor was determined by  
18 deducting the 12 degree days associated with capacity  
19 retained for temperature swing/peaking from the  
20 extreme design peak day degree day level of 74 degree  
21 days. The costs of retained capacity are recovered  
22 from NGSs through SATC rates.

23 Q. Are the gas costs incurred to provide this service  
24 reflected in this filing?

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1 A. Yes, the proposed SATS and SATC rates provide for  
2 recovery of gas costs incurred to support the system-  
3 wide customer choice service. Distribution has  
4 retained a portion of storage capacity and associated  
5 transmission capacity based on 12 degree days for its  
6 small volume aggregation customers. The capacity is  
7 needed for all small volume customers regardless of  
8 whether the customers receive service under a  
9 Distribution tariff sales rate schedule or receive gas  
10 supply service from another supplier. The capacity  
11 retained and included in the SATC rate includes a  
12 portion of the EFT capacity from National Fuel Gas  
13 Supply Corporation ("Supply"). Because the retained  
14 capacity is required by both sales and SATC customers,  
15 the costs of capacity are recovered through both sales  
16 and SATC customer delivery rates.

17 Q. Has Distribution proposed to modify the mix of  
18 capacity allocated to SATS service based on capacity  
19 changes anticipated in the rate year?

20 A. Yes. The allocation projections effective for the rate  
21 year are as follows:

22 Percent of Peak Day

23

24 Met by Upstream Capacity                      Capacity

25

26 1.                      55%                      Supply storage and

DIRECT TESTIMONY OF TRACY L. WESOLOSKI  
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1 associated transmission  
2 released to NGSS

3  
4 2. 45% Mandatory release of  
5 upstream capacity

6  
7 3. 0% Capacity retained by  
8 Distribution and  
9 included in SATC rates

10  
11 Q. Do the rates proposed by Distribution in this  
12 proceeding reflect the system-wide customer choice  
13 program?

14 A. Yes. The rates filed by Distribution in this  
15 proceeding are consistent with Distribution's system-  
16 wide customer choice program under the Act.

17 Q. What amount is included in SATC rates for the recovery  
18 of such retained capacity?

19 A. PGC Exhibit No. 13A provides the calculation of the  
20 distribution charge demand cost rates ("Demand-DC  
21 rates") for SATC service on or after August 1, 2024.  
22 PGC Exhibit No. 13A provides the calculation of the  
23 Demand-DC rate included in SATC rates of \$0.4415 per  
24 Mcf. The pipeline demand rates summarized on PGC  
25 Exhibit No. 13A are the costs of upstream pipeline  
26 capacity retained by Distribution in order to preserve  
27 reliability and for the management of temperature  
28 swing/peaking requirements based upon 12-degree days.

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1 The EFT Capacity and ESS Delivery and Capacity  
2 includes an allocated amount of contingency capacity.  
3 The total Demand-DC charge included in SATC rates  
4 reflects an amount associated with under collected gas  
5 costs from previous periods. PGC Exhibit 21, Schedule  
6 1, Sheet 3 provides total demand cost of gas recovered  
7 through SATC rates of \$0.4415 per Mcf.

8 Q. Please provide a general description of the Company's  
9 rates charged to customers to recover purchased gas  
10 costs.

11 A. The Company recovers its purchased gas costs through  
12 the purchase gas cost rates it charges sales and  
13 transportation customers. Total purchase gas costs  
14 projected to be incurred for the twelve months ending  
15 July 2025 are forecasted. Projected sales and  
16 transportation volumes for the twelve months ending  
17 July 2025 are used to determine forecasted gas costs.  
18 For purposes of the forecast of sales and  
19 transportation total requirements, a system wide lost  
20 and unaccounted for ("LAUF") gas factor is used. The  
21 calculations for LAUF are shown in Exhibit 27. The  
22 portion of purchased gas costs incurred to support  
23 transportation services is assigned to transportation

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1 service rates with the remaining purchase gas costs  
2 recovered through rates to sales customers.

3 Historic purchase gas costs for the twelve months  
4 ending July 2024 are reconciled with purchase gas cost  
5 revenues from sales and transportation customers for  
6 the twelve months ending July 2024. Any over or under  
7 collection of purchased gas costs is either credited  
8 or surcharged to sales customers through the gas  
9 adjustment charge ("GAC") rate included in purchased  
10 gas cost rates.

11 Q. Please explain PGC Exhibit No. 17.

12 A. PGC Exhibit No. 17 compares Distribution's average  
13 transportation and storage costs from its affiliates  
14 to non-affiliates located upstream for the twelve  
15 months ended ("TME") November 30, 2023.

16 Q. How does the Pennsylvania Division's affiliated  
17 average cost of transportation services compare with  
18 others?

19 A. As shown in PGC Exhibit No. 17, Page 2, Distribution's  
20 average transportation costs from Supply are higher  
21 costs than Columbia Gas Transmission LLC ("Columbia"),  
22 Tennessee Gas Pipeline Company ("TGP" or "Tennessee")  
23 and Texas Eastern Transmission, LP ("TETCO" or "Texas  
24 Eastern"). Transportation services by the interstate

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1 pipelines upstream of Supply are not interchangeable  
2 with transportation service provided by Supply.  
3 Specifically, Supply provides the benefit of a  
4 multiple point system that distributes the gas from  
5 the applicable upstream pipeline receipt points to  
6 Distribution's many local distribution systems that in  
7 turn deliver gas to end-user customers.

8 Q. What is the benefit of using Supply's storage service?

9 A. Supply provides the no-notice storage service that is  
10 critical for meeting Distribution's temperature  
11 sensitive demand. It also allows for overrun service  
12 from time to time and offers a more flexible  
13 injection/withdrawal operation than the storage  
14 services provided by other upstream pipelines.

15 Q. Does the cost comparison in PGC Exhibit No. 17, Page 3  
16 represent all the costs associated with storage  
17 services?

18 A. No. The comparison does not represent all the costs  
19 incurred when Distribution contracts for storage  
20 capacity with upstream pipelines. In reality, most  
21 storage agreements require Distribution to sign up  
22 specific transportation service to move gas into and  
23 from the storage field. This additional storage  
24 transportation cost is incremental and should be

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1 factored in the storage cost comparison. In contrast,  
2 Supply's storage service is more economical because  
3 Distribution contracts with Supply only for sufficient  
4 transportation service to meet customers' peak day and  
5 seasonal requirements. No additional transportation  
6 capacity is required to use Supply's storage.

7 Q. Please briefly explain PGC Exhibit No. 23.

8 A. PGC Exhibit No. 23 has three schedules, which contain  
9 Distribution's projected purchased gas cost portfolio.  
10 The schedules are:

11 • Schedule 1:

12 ° Projected upstream transportation volumes at  
13 Distribution - Pennsylvania Distribution {"PAD"}'s  
14 citygate (pages 1-2).

15 ° Upstream transportation service tariff rates  
16 (pages 3-4)

17 ° Storage and purchased gas costs (pages 5-6).

18 ° Storage volumes (pages 7-8).

19 ° Summary of storage unit costs (pages 9-10).

20 ° Storage costs (pages 11-12).

21 ° Storage unit costs (pages 13-14).

22 • Schedule 2: Distribution - PAD's Appalachian and  
23 local production gas cost calculation.

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1           • Schedule 3: Upstream pipeline contracted capacity  
2           and rates.

3       Q. How is the projected purchased gas portfolio  
4       generated?

5       A. The projected purchased gas portfolio, in terms of  
6       receipt and delivered volumes, is generated from the  
7       ABB SENDOUT™ model ("Sendout").

8       Q. Please briefly describe the SENDOUT™ model.

9       A. The Gas Supply Administration Department uses Sendout,  
10       a least cost, linear programming optimization model to  
11       facilitate its long-term (1-5 years) and short-term  
12       (monthly and seasonal) forecasting contract  
13       optimization. Sendout is used to project purchase,  
14       storage use, pipeline use and total system  
15       costs. Various inputs into the Sendout model are used  
16       to develop the plan. Pipeline, storage and gas  
17       purchase contractual provisions are  
18       considered. Inputs include: maximum daily quantities  
19       ("MDQ"), minimum takes, maximum takes, seasonal  
20       quantities, receipt zones, market pricing, demand  
21       quantities and demand rates. Market pricing is  
22       estimated using wellhead prices, provided by the Rates  
23       and Regulatory Affairs Department, for the relevant

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1 month being modeled and a basis differential for  
2 relevant purchase points.

3 Q. How is the gas cost in PGC Exhibit No. 23, Schedule 1,  
4 Pages 5 and 6 calculated?

5 A. With a few exceptions, the gas cost is calculated by  
6 multiplying the receipt volume in PGC Exhibit No. 23,  
7 Schedule 1, Pages 1 and 2 by the projected wellhead  
8 price in PGC Exhibit No. 25. The forecasted basis is  
9 also applied to the receipt volume and the basis  
10 applied is dependent upon the receipt and delivery  
11 points. The exceptions are, as discussed in PGC  
12 Exhibit No. 8, Distribution's contracts for some gas  
13 supplies with fixed prices or limited price  
14 escalations to be delivered during the period December  
15 2024 through March 2025. These gas supplies are  
16 individually priced in accordance with their  
17 negotiated agreements. The gas costs presented on PGC  
18 Exhibit No. 23 reflect these exceptions.

19 Q. What are the sources of the upstream pipeline rates in  
20 PGC Exhibit No. 23, Schedule 1, Pages 3, 4, 9 and 10?

21 A. The rates are derived from the latest tariff filings.  
22 The specifics of each pipeline are discussed below:

23 • Columbia: The current rates, which were taken  
24 from Docket Nos. RP24-121-000 Operational

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1 Transactions Rate Adjustment Filing and RP22-  
2 633-000 Annual Retainage Adjustment Mechanism  
3 Filing, are assumed to remain in effect  
4 throughout the projection period.

5 • Tennessee: The current rates, which were taken  
6 from Docket Nos. RP24-102 and RP23-1103-000,  
7 are assumed to be in effect throughout the  
8 projection period.

9 • Supply: The current proposed rates, which were  
10 taken from Docket No. RP23-929-000, are assumed  
11 to be in effect throughout the projection  
12 period and subject to refund upon Rate Filing  
13 settlement.

14 • Texas Eastern: The current rates, which were  
15 taken from Docket Nos. RP24-102-000 Annual ASA  
16 and Interruptible Revenue Reconciliation  
17 Report, and RP21-1188 Section 4 Rate Case  
18 Settlement, are assumed to be in effect  
19 throughout the projection period.

20 Q. Please describe Distribution's FY2024 and FY2025  
21 storage rate derivation in PGC Exhibit No. 23,  
22 Schedule 1, Pages 13 and 14.

23 A. Distribution's Pennsylvania Division's storage rate  
24 derivation mirrors the calculation performed at the

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1 end of each fiscal year. The annual gas costs  
2 inclusive of commodity and demand purchased gas costs,  
3 upstream transportation costs and storage rental costs  
4 are totaled. The cost of gas purchased for off-system  
5 sales is excluded from the storage rate calculation.  
6 The net cost is then divided by the annual gas  
7 delivery volume at Distribution's Pennsylvania  
8 Division Citygate.

9 Q. Please explain PGC Exhibit No. 23, Schedule 2.

10 A. PGC Exhibit No. 23, Schedule 2 is Pennsylvania's  
11 Appalachian Production ("AP") and Local Production  
12 ("LP") volume and cost summaries. AP is production  
13 received directly by Supply and transported by Supply  
14 to Distribution whereas LP is production received  
15 directly by Distribution without the use of Supply's  
16 facilities. Effective in this 1307(f) filing,  
17 Distribution has one AP Production Rate. AP  
18 Production Rate 1 is priced at the forecasted wellhead  
19 rate plus a monthly adjustment. The monthly  
20 adjustment is a composite rate that reflects that  
21 approximately 35% of the AP is purchased pursuant to  
22 spot contracts that are priced at 84% of the  
23 Appalachian Index and 65% is purchased pursuant to  
24 dedicated (Life-of-Reserves) contracts that are priced

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1 at 100% of the Appalachian Index. Distribution also  
2 has one LP Production Rate. LP Production Rate 1 is  
3 priced at the forecasted wellhead rate plus a monthly  
4 adjustment. The monthly adjustment is a composite  
5 rate that reflects that approximately 84% of the LP is  
6 purchased pursuant to spot contracts that are priced  
7 at 84% of the Appalachian Index and 16% is purchased  
8 pursuant to dedicated (Life-of-Reserves) contracts  
9 that are priced at 100% of the Appalachian Index.

10 Q. Please explain PGC Exhibit No. 23, Schedule 3.

11 A. PGC Exhibit No. 23, Schedule 3 summarizes  
12 Distribution's contracted capacity and rates by  
13 pipeline for the period December 2023 through October  
14 2025.

15 Q. Please explain PGC Exhibit No. 24.

16 A. PGC Exhibit No. 24 is a summary of data and  
17 calculations which support Distribution's Monthly  
18 Metered Transportation ("MMT") and Daily Metered  
19 Transportation ("DMT") service rates. Please refer to  
20 Lisa Petko's testimony for information on design peak  
21 day.

22 Q. Please provide a general description of Distribution's  
23 existing MMT and DMT rates.

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1 A. MMT rates include a purchased gas cost component  
2 designed to recover the costs of balancing the  
3 difference between MMT customers' daily deliveries and  
4 daily usage. Since MMT customers' meters are read  
5 monthly, actual daily consumption data for MMT  
6 customers is not available. Therefore, an estimate of  
7 peak day transportation usage and deliveries is used  
8 to calculate the costs of providing balancing service  
9 to MMT customers.

10 Purchased gas costs are excluded from the DMT  
11 unit transportation rate. To be a DMT customer, it is  
12 necessary for daily metering and communications  
13 equipment to be installed not only at the customer's  
14 premises, where it receives service from Distribution,  
15 but also at the point of delivery of the customer's  
16 gas supplies into Distribution's system. Since DMT  
17 customer deliveries and usage are monitored on a daily  
18 basis, the purchased gas costs associated with  
19 balancing for DMT services are recovered through the  
20 over delivery and sales rates charged to the DMT  
21 customer based upon the customer's actual daily usage  
22 of the sales and over delivery services.

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1 Q. What are the purchased gas capacity costs that  
2 Distribution expects to incur to provide  
3 transportation services?

4 A. PGC Exhibit No. 24A provides a calculation of the  
5 purchased gas capacity costs Distribution expects  
6 transportation customers to cause it to incur. Tables  
7 I through V of Appendix I of PGC Exhibit No. 24A  
8 provide an estimate of purchased gas capacity costs  
9 expected to be incurred to provide transportation  
10 customers with service.

11 Q. How does Distribution recover these costs from  
12 transportation customers?

13 A. As explained in PGC Exhibit No. 24, the purchased gas  
14 costs associated with providing service to  
15 transportation customers are recovered from MMT  
16 transportation customers through the MMT charges.

17 Q. At page 7 of PGC Exhibit No. 24, it is explained that  
18 the design peak day deficiency of DMT customers has  
19 been excluded from the storage delivery calculation  
20 because a DMT customer's access to peak day storage  
21 deliverability is, in effect, interruptible.

22 Q. Please explain why such access to storage  
23 deliverability is effectively interruptible.

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1 A. The DMT service tariff includes an Operational Flow  
2 Order provision whereby Distribution may restrict the  
3 daily metered customers' access to banked gas  
4 supplies. The restriction of the DMT customers'  
5 access to banked supplies allows Distribution to  
6 restrict the DMT customers' use of storage  
7 deliverability so that such storage deliverability can  
8 be used for the benefit of sales customers.

9 Q. What is the proposed charge to recover purchased gas  
10 costs associated with transportation service included  
11 in the MMT rate schedule?

12 A. The transportation rates for MMT service include a  
13 component for the recovery of purchased gas capacity  
14 costs. The unit cost as shown in PGC Exhibit No. 24A,  
15 is \$0.5792 per Mcf. The Company is increasing the MMT  
16 rate from \$0.3700 to \$0.5800 per Mcf.

17 Q. Explain the DMT rate schedule.

18 A. The DMT rate schedule is available to transportation  
19 customers that transport volumes to Distribution,  
20 either directly or by displacement, on a firm or  
21 interruptible basis. Customers under the DMT rate  
22 schedule will not be charged the \$0.5800 per Mcf which  
23 is charged to MMT customers. Excess deliveries for  
24 DMT customers, however, are charged a greater amount

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1 than MMT customers, as explained in further detail  
2 below. The DMT customer's deliveries and usage must  
3 be metered on a daily basis. If, in any day, the DMT  
4 customer uses more gas from Distribution than the sum  
5 of: (1) any over delivery volumes at the beginning of  
6 the day, (2) the volume of gas, after line losses,  
7 delivered to Distribution for the customer's account  
8 on that day, and (3) two percent of the total daily  
9 usage, such use in excess of the sum of (1), (2) and  
10 (3) above is deemed to be a sale of gas by  
11 Distribution to the DMT customer under the applicable  
12 sales rate schedule.

13 Q. Please explain the charges for over deliveries under  
14 the DMT rate schedule.

15 A. The over delivery charges for DMT customers are based  
16 on the maximum cumulative daily over delivery for DMT  
17 customers. For a maximum cumulative over delivery  
18 volume between 2% and 37% of the volume of DMT service  
19 gas transported by Distribution to the customer in the  
20 billing month, the charge for over deliveries is  
21 \$0.6351 per Mcf. For over deliveries equal to or more  
22 than 37% of the volume of DMT service gas transported  
23 to the customer by Distribution during the billing

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1 month, the charge for such over deliveries shall be  
2 \$0.7624 per Mcf.

3 Q. If a transportation service customer reverts back to  
4 sales service and, as a result, Distribution does not  
5 recover capacity costs from the transportation service  
6 customer, would an under recovery of purchased gas  
7 costs result?

8 A. No. Customers are free to switch back and forth  
9 between sales and transportation service when  
10 Distribution has sufficient gas supply and pipeline  
11 transmission capacity to accommodate the return of  
12 transportation customers to sales service. If a  
13 present transportation customer decides to switch back  
14 to sales service, the result would be simply that the  
15 same customer would contribute to recovery of  
16 purchased gas costs through payment of rates for sales  
17 service instead of through payment of transportation  
18 service rates.

19 Q. Why has the Company proposed no change in retention  
20 rates for transportation service in this case?

21 A. The Company reviewed its current MMT and DMT service  
22 rates to determine whether the current recovery of  
23 purchased gas cost rates and the current .15% charged  
24 transportation customers to compensate for line losses

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1 and company usage ("transportation retention rate")  
2 continue to be appropriate. This review concluded  
3 that current purchased gas cost rates included in  
4 charges to MMT customers should increase to \$0.58 per  
5 Mcf, and the imbalance service rates charged  
6 transportation customers and the currently effective  
7 line loss retention rates should not be changed. This  
8 proposal for services provided to transportation  
9 customers reasonably balances the purchased gas cost  
10 recovery obligation of sales and transportation  
11 customers.

12 Q. What issues did the Company consider when making its  
13 proposal for MMT and DMT transportation service rates?

14 A. The Company considers the issues of the appropriate  
15 purchase gas cost, balancing, and retention rates to  
16 be charged transportation customers for line loss to  
17 be matters of rate design.

18 PGC Exhibit No. 33, Schedule 1 provides a summary  
19 of the criteria of a sound rate structure. The  
20 Company believes that its existing and proposed  
21 charges to transportation customers are consistent  
22 with these criteria.

23 Q. Is there any evidence that the current and past rates  
24 charged to MMT and DMT customers, including retainage

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1 rates, have been an impediment to transportation  
2 service on the Company's system?

3 A. No, the evidence is clearly contrary to any suggestion  
4 that the Company's MMT and DMT rates and the retainage  
5 rates charged transportation customers have been an  
6 impediment to transportation service. Transportation  
7 service over the past 40 years has grown to 55% of  
8 total system throughput. Nearly all industrial and  
9 public authority customers have migrated from sales  
10 service to transportation service.

11 It is clear from this evidence that the  
12 transportation service and retainage rates have fairly  
13 balanced the interests of transportation service  
14 customers.

15 Q. Does the Company's proposal in this proceeding fairly  
16 allocate costs incurred by the Company to provide  
17 service to transportation service customers?

18 A. Yes, the proper allocation of purchased gas costs to  
19 transportation customers has been an issue in the  
20 Company's purchased gas cost proceedings since the  
21 implementation of Order 636 which was issued by the  
22 Federal Energy Regulatory Commission in 1993. See PGC  
23 Exhibit No. 24, starting at line 11 of page 1 for the  
24 list of 1307(f) cases where this issue was addressed.

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1           In order to support transportation services, the  
2           Company incurs costs in the way of capacity costs,  
3           principally on its affiliated pipeline, Supply. The  
4           precise measurement of these costs is impossible since  
5           a precise measurement would require daily measurement  
6           on all transportation customers as well as all gas  
7           receipt points into the Company's system, including  
8           local gas production meters (see PGC Exhibit No. 24,  
9           starting at line 16 of page 4). Therefore, the  
10          calculation relies on estimates. Any attempt to  
11          determine the exact cost of servicing transportation  
12          customers would require resolving a number of  
13          ancillary issues including, for example, previous  
14          period reconciliation, that only add to the overall  
15          complexity and cost of determining and administering  
16          any mechanism designed to precisely quantify and  
17          recover those costs.

18          It is useful to place the overall magnitude of  
19          purchase gas cost recovery rates for sales and  
20          transportation customers and actual sales and  
21          transportation volumes into context. Table TLW-1  
22          demonstrates that, from the perspective of overall gas  
23          cost recovery, gas cost revenues associated with

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1 transportation service represent a small fraction of  
2 overall gas costs.

Table TLW-1				
	Volumes		Gas Cost	
	Mcf	%	\$	%
Sales	21,817,752	44.5	125,432,133	95.4
MMT	8,983,462	18.3	5,210,408	4.0
SATC	2,012,390	4.1	888,470	0.7
DMT	16,190,046	33.0	0	0.0
Total	49,003,650	100	131,531,011	100.0

3 While one can argue about the allocation of gas  
4 costs to transportation services, the overall impact  
5 on natural gas energy bills charged by the Company to  
6 customers is not likely to be significant (i.e.,  
7 overall changes in gas cost allocation, even if  
8 capable of being precisely measured, are likely to be  
9 around 4.0% of overall gas cost).

10 Q. Why is the Company proposing to maintain existing  
11 transportation over delivery rates?

12 A. Transportation over delivery rates present a unique  
13 issue associated with transportation services.  
14 Transportation over deliveries, the rates charged for  
15 those over deliveries, and the costs incurred by the  
16 Company due to those over deliveries cannot be  
17 reconciled in a traditional cost-based rate  
18 perspective because transportation over and under

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1 delivery rates are not designed solely to recover  
2 specific identifiable costs incurred by transportation  
3 customers. Instead, the over and under delivery rates  
4 on the Company's system are designed for the  
5 additional purpose of providing an incentive to  
6 transportation customers and their suppliers to  
7 deliver sufficient supplies to meet their customers'  
8 daily requirements so that the reliability of gas  
9 supply service of the overall distribution system is  
10 maintained. As mentioned, starting at line 24 of page  
11 11 of PGC Exhibit No. 24, imbalance rates were not  
12 designed to provide transportation customers with  
13 storage service. Instead, they are designed to  
14 provide sufficient incentive for transportation  
15 customers and their natural gas suppliers to remain in  
16 balance. Existing over delivery rates have been  
17 sufficient to provide such incentive. Because costs  
18 of providing transportation service cannot be  
19 quantified precisely and because they are designed  
20 also to create incentives, reasonable judgment is  
21 required to establish reasonable transportation rates  
22 that are fair to all customers on the system including  
23 sales and transportation customers. Distribution

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1 believes that its proposal for MMT and DMT rates  
2 achieve this objective.

3 Q. Please describe PGC Exhibit No. 28.

4 A. Exhibit No. 28 is the Company's proposed tariff. The  
5 normal rate changes are in Supplement No. 269  
6 associated with changes in gas cost.

7 Q. Please explain PGC Exhibit No. 29.

8 A. PGC Exhibit No. 29 provides the calculation of the  
9 weighted average demand cost of upstream capacity and  
10 the demand transfer rate ("DTR") associated with the  
11 SATS rate schedule.

12 The weighted average demand cost of upstream  
13 capacity provides the rate charged to SATS suppliers  
14 for capacity release that consolidates the upstream  
15 transmission capacity costs into a single rate that is  
16 priced at the same effective cost as if the Supplier  
17 was allocated a pro rata share of every segment of  
18 transmission capacity held by the Company.

19 Q. Please explain the DTR.

20 A. The DTR is utilized to recover from NGSS the costs of  
21 capacity incurred by sales customers prior to the  
22 conversion of the sales customer to transportation  
23 service. Under the SATS rate schedule, NGSS receive a  
24 transfer of gas in storage for all customers that

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1 convert to transportation service after the month of  
2 April. The DTR is designed to remove any incentive for  
3 the NGS to convert sales customers after the summer  
4 period to avoid the assignment of upstream capacity  
5 during the summer period when sales volumes are low.  
6 Absent the DTR, NGSs could avoid capacity costs during  
7 the summer period when sales volumes and associated  
8 revenues are low and only incur such capacity costs by  
9 converting customers after the summer period where  
10 sales volumes and associated revenues are high. The  
11 DTR eliminates any such incentive and protects the  
12 remaining sales customers from paying costs that are  
13 incurred for the benefit of transportation customers.

14 Q. Please explain PGC Exhibit No. 34.

15 A. PGC Exhibit No. 34 is the calculation of the Company's  
16 Priority Standby ("PSB") Service rates and Standby  
17 ("SB") Service rates.

18 Q. Does this conclude your testimony?

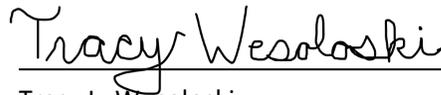
19 A. Yes, at this time.

Verification

I, Tracy L. Wesoloski, Assistant Manager, of the Rates & Regulatory Affairs Department of National Fuel Gas Distribution Corporation state that the facts set forth in the foregoing Purchased Gas Cost Filing under Section 1307(f) of the Public Utility Code and 52 Pa. Code §§ 53.64 and 53.65 Docketed at R-2024-3045177 including

Distribution PGC Statement No. 6 Direct Testimony of Tracy L. Wesoloski  
Exhibit Nos. 2 (partial), 3 (partial), 13, 13A, 17, 23, 24, 24A, 28, 29, 33, and 34.

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. This statement is made subject to the penalties of 18 Pa. C.S. § 4904 relating to unsworn falsifications to authorities.

A handwritten signature in cursive script that reads "Tracy Wesoloski". The signature is written in black ink and is positioned above a horizontal line.

Tracy L. Wesoloski

This 31st day of January, 2024

TESTIMONY OF  
LISA A. PETKO  
ON BEHALF OF  
NATIONAL FUEL GAS DISTRIBUTION CORPORATION

PENNSYLVANIA PUBLIC UTILITY COMMISSION  
v.  
NATIONAL FUEL GAS DISTRIBUTION CORPORATION  
(PURCHASED GAS COSTS -- 66 PA.C.S. SECTION 1307(f)),  
DOCKET NO. R- R-2024-3045177

DIRECT TESTIMONY OF LISA A. PETKO  
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1 Q. Please state your name and business address.

2 A. My name is Lisa A. Petko, and my business address is  
3 6363 Main Street, Williamsville, New York 14221.

4 Q. By whom are you employed and in what capacity?

5 A. I am employed by National Fuel Gas Distribution  
6 Corporation ("Distribution" or the "Company") as an  
7 Assistant General Manager in the Gas Supply  
8 Administration ("GSA") Department.

9 Q. What are your duties as Assistant General Manager?

10 A. I am responsible for managing GSA's back-office  
11 functions including the Gas Accounting, Gas Planning  
12 and Transportation Services groups. I also assist in  
13 implementing Distribution's Gas Capacity policies.

14 Q. Please summarize your education and work experience.

15 A. I received a Bachelor of Business Administration  
16 Degree in Accounting from Niagara University in 1988.  
17 I was hired by National Fuel Gas Supply Corporation  
18 ("NFGSC" or "Supply") in October 1990 as a Management  
19 Trainee in the Gas Supply Department. I transferred to  
20 Distribution's Gas Measurement Department in 1992, and  
21 in 1994 I transferred to the Transportation & Exchange  
22 group of NFGSC's Gas Supply Department. In 1996 I  
23 transferred to Distribution's Contract Administration

DIRECT TESTIMONY OF LISA A. PETKO  
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1 Department. In 2000 I was promoted to the Manager of  
2 Gas Accounting within GSA; in 2008 I became a Director.  
3 In 2018 I was promoted to my current position.

4 Q. What is the subject of your testimony?

5 A. I am testifying in support of PGC Exhibit Nos. 4  
6 (partial), 5, 7-B, 8 (partial), 12, 18, 19, 20, 26-B,  
7 30, and 31.

8 Q. Please describe PGC Exhibit No. 4.

9 A. PGC Exhibit No. 4 is Distribution's response to the  
10 Pennsylvania Public Utility Commission's ("PAPUC")  
11 filing requirement at 52 Pa. Code § 53.64(c)(1), which  
12 requires details of Distribution's contracts for gas  
13 supplies and upstream pipeline transportation and  
14 storage capacity, their rate designs and recent and  
15 pending negotiations.

16 I am sponsoring page 2 line 19 through page  
17 5 line 17, page 13 and PGC Exhibit No. 4-A. These  
18 sections describe Distribution's pipeline, storage and  
19 winter gas supply capacity, no cost gas exchange  
20 agreements, other utility purchases, Small Aggregation  
21 Transportation Customer ("SATC") capacity, non-firm  
22 local production gas purchases, and tariff-based gas  
23 purchases.

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1                   Distribution reviews its available options  
2                   for upstream capacity before determining whether to  
3                   renew or terminate any existing pipeline, storage,  
4                   winter gas supply or firm local production contracts.  
5                   PGC Exhibit No. 4 provides details of capacity  
6                   revisions made during the historic period, the 12  
7                   months ended November 30, 2023.

8                   PGC Exhibit No. 4-A presents Distribution's  
9                   current contracts, volumes, notice period and contract  
10                  terms.

11                  For the winter 2023-2024, approximately 86%  
12                  of Distribution's contracted upstream firm  
13                  transportation capacity now has primary receipt in the  
14                  Northeast (short-haul capacity) and 14% is from the  
15                  Southwest (long-haul capacity). See Exhibit LAP-1.

16 Q.           Please explain PGC Exhibit No. 5.

17 A.           PGC Exhibit No. 5 is Distribution's response to the  
18           PAPUC's filing requirement at 52 Pa. Code § 53.64(c)  
19           (3). The filing requirement calls for information  
20           pertaining to sources of gas supply, transportation,  
21           or storage, which were offered to, or considered by,  
22           Distribution during the time periods relevant to this  
23           1307(f) filing but were not accepted.

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1 Q. Please explain PGC Exhibit No. 7-B.

2 A. PGC Exhibit No. 7-B is part of Distribution's response  
3 to the PAPUC filing requirement at 52 Pa. Code §53.64  
4 (c)(5) which requires a listing and updating of any  
5 gas supply and demand projections provided to the  
6 PAPUC. Pages 2, 3, 4 and 5 of PGC Exhibit No. 7-B are  
7 copies of Distribution's most recently filed Annual  
8 Resource Planning Reports: Form-IRP-Gas-2A: Table 2,  
9 Form-IRP-Gas-2B, Form-IRP-Gas-2C, and Form IRP-Gas-2A,  
10 which break out Distribution's gas supply, pipeline  
11 and storage capacity on both an annual and a peak-day  
12 basis in accordance with PAPUC Docket No. L-920066:  
13 Integrated Resource Planning for Gas Utilities  
14 pursuant to 52 Pa. Code §59.81-84.

15 Q. Please explain PGC Exhibit No. 8.

16 A. I am sponsoring page 2 line 1 through page 10 line 13,  
17 and page 13 lines 18 through 21 and page 14 lines 1  
18 through 6, as well as PGC Exhibit Nos. 8-A, 8-B, 8-C  
19 and 8-D with regard to capacity reserved for  
20 Distribution's customers, capacity retained for  
21 temperature variability and peaking, purchase of non-  
22 firm local production and Appalachian supplies and  
23 tariff-based gas purchases. In general, PGC Exhibit

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1 No. 8 describes Distribution's overall gas supply and  
2 capacity procurement strategy and provides details of  
3 changes that Distribution anticipates that it will  
4 make during the link period, the 8 months from  
5 December 1, 2023, through July 31, 2024, and during  
6 the application period, the 12 months beginning August  
7 1, 2024, and ending July 31, 2025. As explained in PGC  
8 Exhibit No. 8, there are many factors to be considered  
9 in developing a reliable gas supply for firm customers  
10 on a least cost basis.

11 Distribution relies on its firm  
12 transportation capacity on upstream interstate  
13 pipelines to deliver the majority of its gas supplies  
14 to Supply. Supply, through its interstate pipeline  
15 system, re-delivers Distribution's gas to its isolated  
16 distribution systems throughout Northwestern  
17 Pennsylvania and Western New York. Supply also owns  
18 extensive storage facilities that it operates in  
19 concert with its transmission facilities to receive  
20 gas (injections) from Distribution during periods of  
21 low customer demand. Supply subsequently re-delivers  
22 this gas (withdrawals) to Distribution during the  
23 winter when market requirements exceed flowing gas

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1 supplies available from its upstream pipeline  
2 capacity. Such storage injections and withdrawals for  
3 the 12-month period of October 1, 2022, through  
4 September 30, 2023, are depicted in PGC Exhibit No. 8-  
5 C. PGC Exhibit No. 8-B shows how Distribution's  
6 combined transportation, storage and winter gas call  
7 capacities can meet the requirements of a 15%  
8 forecasted colder-than-normal winter.

9 The interdependent relationship between  
10 Supply and Distribution is evidenced in the Supply  
11 System map shown in PGC Exhibit No. No. 8-A. As  
12 explained in PGC Exhibit No. 8, Distribution receives  
13 gas from Supply at approximately 286 delivery points  
14 in Pennsylvania and 135 in New York at geographically  
15 dispersed areas where Distribution has facilities and  
16 customers. The pink lines are the major transmission  
17 lines of the pipeline companies that deliver gas in  
18 Northwestern Pennsylvania and Western New York. The  
19 blue lines represent major transmission lines and  
20 storage facilities of Supply that interconnect  
21 Distribution's facilities and customers with the  
22 facilities of the upstream interstate pipelines.

23 Q. Please define "critical capacity."

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1 A. All of Distribution's pipeline and storage capacity is  
2 critical capacity. This mix of capacity meets  
3 Distribution's unique market reliability requirements  
4 at the least cost to the customer. The capacity plays  
5 a critical role in directly serving customer  
6 requirements including filling Distribution's  
7 contracted storage capacity with Supply. Distribution's  
8 no-notice Enhanced Firm Transportation ("EFT")  
9 capacity and associated Enhanced Storage Service  
10 ("ESS") capacity that it maintains with Supply is used  
11 to serve the requirements of its customers located  
12 throughout its geographically extensive, yet  
13 unconnected, system. In addition, Distribution holds  
14 Firm Transportation ("FT") capacity on Supply.  
15 Distribution's system relies on its upstream capacity  
16 for the procurement of adequate and reliable gas  
17 supply. Distribution's upstream capacity includes its  
18 firm transportation capacity on Columbia Gas  
19 Transmission, LLC ("Columbia"), Tennessee Gas Pipeline  
20 Company, L.L.C. ("TGP"), Texas Eastern Transmission,  
21 LP ("TETCO") and Firm Storage Service ("FSS")  
22 capacities on Supply and Columbia. Discussion  
23 beginning at page 2 line 11 through page 5 line 5 of

DIRECT TESTIMONY OF LISA A. PETKO  
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1 PGC Exhibit No. 8 serves to more fully explain the  
2 "critical" role that Distribution's upstream pipeline  
3 and storage capacities serve in meeting its firm  
4 service requirements.

5 Q. Please describe the methodology and calculations  
6 presented on PGC Exhibit No. 8-D.

7 A. The purpose of PGC Exhibit No. 8-D is to present the  
8 calculations used to determine the quantity of  
9 capacity that Distribution will retain to meet the  
10 temperature swing and peaking requirements of its  
11 sales and SATC service customers and to determine the  
12 mix of Supply ESS storage and upstream transportation  
13 capacity that Distribution will release to its Small  
14 Aggregation Transportation Supplier ("SATS") service  
15 suppliers in order to serve its SATC customers'  
16 requirements on a Design Day and during a 15% colder-  
17 than-normal winter.

18 Q. Has Distribution executed, or is it considering  
19 executing, any capacity adjustments in the future?

20 A. Distribution routinely explores opportunities to  
21 modify its upstream pipeline assets to improve  
22 reliability or reduce costs.

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1                   In June 2023, Distribution exercised an  
2                   option to shorten up critical TGP capacity to reduce  
3                   costs without compromising reliability. Further  
4                   details are provided in PGC Exhibit 8 beginning on  
5                   page 9, lines 11-20.

6   Q.   Please describe Distribution's contingency capacity  
7                   requirements.

8   A.   Distribution requires contingency capacity to serve  
9                   its sales and transportation customers should there be  
10                  a capacity or supplier failure, force majeure instance  
11                  or should the system experience load requirements that  
12                  exceed current design peak day projections.

13   Q.   Can contingency capacity be used to support services  
14                  to Monthly Metered Transportation ("MMT") customers?

15   A.   Yes. As described in PGC Exhibit No. 24, Distribution  
16                  allocates a pro-rata quantity of its total contingency  
17                  capacity to its MMT customers. The availability of  
18                  contingency capacity to support services to MMT  
19                  customers does not imply that natural gas suppliers  
20                  can avoid any part of their daily delivery quantity  
21                  ("DDQ") requirements. Pursuant to Distribution's  
22                  tariff, DDQ requirements for MMT customers must be  
23                  met.

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1 Q. Please explain how the quantity of contingency  
2 capacity is determined.

3 A. Contingency capacity is the difference between design  
4 day requirements and the intermediate Supply EFT/FT  
5 capacity NFGDC contracts for deliveries to NFGDC. Over  
6 time, Distribution has adjusted its intermediate and  
7 upstream capacity due to changes in the forecasted  
8 market requirements, but not on a one-for-one basis.  
9 Distribution considers a reasonable level of  
10 contingency capacity as a safety factor when  
11 evaluating capacity adjustments.

12 Q. Please describe Exhibit Nos. LAP-2, LAP-3, and LAP-4.

13 A. Exhibit LAP-2 is a graphical representation that  
14 compares Distribution's actual city-gate throughput  
15 when extrapolated to a 74 Heating Degree Day ("HDD"),  
16 as represented by the green diamonds, to the combined  
17 forecast total requirements plus the contingency  
18 capacity, as shown by the stacked blue and red  
19 columns, for each day of the three-day peaks. This  
20 data includes the highest throughput over a three-day  
21 period for the ten most recently completed winter  
22 heating seasons including November 2013 through March  
23 2023.

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1                   Exhibit LAP-3 presents the same comparison  
2                   as Exhibit LAP-2 but includes all days that on average  
3                   were 15 degrees Fahrenheit or colder for the time  
4                   period of November 2013 through December 31, 2023.  
5                   Please note that Distribution did not experience any  
6                   days 15 degrees Fahrenheit or colder for winter 2020-  
7                   2021. The forecast total requirements and contingency  
8                   capacity for the current winter and following two  
9                   years are also shown.

10                   Exhibit LAP-4 provides a summary table of  
11                   the total forecast requirements and contingency  
12                   capacity for Distribution's design day beginning with  
13                   the winter of 2018.

14                   Distribution will review its design day firm  
15                   capacity requirements again after analyzing its system  
16                   usage during this winter of 2024. Based upon that  
17                   analysis, Distribution will determine if further  
18                   adjustments to its capacity are required.

19    Q.    Is Distribution considering obtaining additional  
20           intermediate Supply capacity delivery to  
21           Distribution's city-gate?

22    A.    As discussed in Exhibit 8, page 8 line 20 through page  
23           9 line 5, Distribution is considering contracting for

DIRECT TESTIMONY OF LISA A. PETKO  
R-2024-3045177

1 additional intermediate capacity for the winter of  
2 2024-2025. Please refer to LAP-4, which is a summary  
3 of 5 years of historical and 5 years of forecasted  
4 contingency capacity. As presented in the contingency  
5 capacity column, Distribution is seeing a reduction in  
6 its overall contingency capacity volume. To ensure a  
7 sufficient contingency volume for deployment during  
8 unplanned events described above, Distribution  
9 typically maintains a volume that is above 3% of total  
10 forecasted requirements. Distribution is proposing to  
11 contract for additional intermediate capacity of a  
12 minimum of 5,000 dth/day with Supply for the winter of  
13 2024-2025. This change is reflected in the bottom  
14 portion of LAP-4.

15 Q. Please describe PGC Exhibit No.12.

16 A. PGC Exhibit No. 12 provides reference to select  
17 supporting information from NFGSC's tariff that  
18 identifies numerous operating characteristics of the  
19 system. Also listed are the two industrial end users  
20 that represented 5% or more of Distribution's  
21 Pennsylvania Division throughput in any month during  
22 the historic period.

23 Q. Please explain PGC Exhibit No. 18.

DIRECT TESTIMONY OF LISA A. PETKO  
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1 A. PGC Exhibit No. 18 is Distribution's response to 52  
2 Pa. Code § 53.65(2). This exhibit identifies  
3 Distribution's access to gas supplies via various  
4 upstream pipelines. The transportation and storage  
5 available to Distribution from these upstream  
6 pipelines is provided in PGC Exhibit Nos. 4 and 7-B.

7 Q. Please explain PGC Exhibit No. 19.

8 A. PGC Exhibit No. 19 is Distribution's response to 52  
9 Pa. Code § 53.65(3) and (4). This exhibit explains in  
10 what instances Distribution obtains purchased gas from  
11 affiliated sources. Distribution refers to PGC Exhibit  
12 No. 8 for an explanation of its efforts to obtain gas  
13 supplies, transportation, or storage from unaffiliated  
14 sources as well as transportation and storage capacity  
15 from affiliated sources.

16 Q. Please explain PGC Exhibit No. 20.

17 A. PGC Exhibit No. 20 is Distribution's response to 52  
18 Pa. Code § 53.65(5). Distribution explains that  
19 neither it nor any of its relevant affiliated  
20 interests withheld any transportation or storage  
21 capacity from the market. The availability and  
22 purchases of local production by Distribution are  
23 discussed in detail in PGC Exhibit No. 8.

DIRECT TESTIMONY OF LISA A. PETKO  
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1 Q. Please explain PGC Exhibit 26-B.

2 A. PGC Exhibit 26-B sets forth the winter of 2025 design  
3 day city-gate requirements that are forecast to be  
4 required by Distribution and by both aggregated and  
5 non-aggregated transportation customers.

6 Q. Please explain PGC Exhibit No. 30.

7 A. PGC Exhibit No. 30 is a schedule that shows  
8 Distribution's Pennsylvania Division's firm  
9 requirements for a design day for the winter of 2024-  
10 2025 and the capacity that will serve those  
11 requirements. This exhibit provides an update to the  
12 transportation and storage delivery capacity  
13 information presented in last year's Annual Resource  
14 Planning Report as presented in PGC Exhibit No. 7-B.  
15 Distribution expects its design day capacity for the  
16 winter of 2024-2025 to be 350,876 Dth/day.

17 Q. Please explain PGC Exhibit No. 31.

18 A. PGC Exhibit No. 31 is Distribution's response to the  
19 requirements of 52 Pa. Code § 1317(c) and (d) to  
20 provide its proposed reliability plan and its supply  
21 plan. As explained in PGC Exhibit No. 31, relevant  
22 information for these plans is contained in PGC  
23 Exhibit Nos. 4, 4-A, 8, 15, 24, 26-A, 26-B and 30.

DIRECT TESTIMONY OF LISA A. PETKO  
R-2024-3045177

1 Q. Did Distribution receive any pipeline penalty credits  
2 or rate case settlement credits on the monthly  
3 pipeline invoices during the 12 months ending November  
4 30, 2023?

5 A. Yes, see Exhibit LAP-5 for a list of the credits  
6 received in 2023.

7 Q. Does this conclude your testimony?

8 A. Yes, it does at this time.

Verification

I, Lisa A. Petko, Assistant General Manager, of the Gas Supply Administration Department of National Fuel Gas Distribution Corporation state that the facts set forth in the foregoing Purchased Gas Cost Filing under Section 1307(f) of the Public Utility Code and 52 Pa. Code §§ 53.64 and 53.65 Docketed at R-2024-3045177 including

Distribution PGC Statement No. 8, Exhibit LAP-1, Exhibit LAP-2, Exhibit LAP-3, Exhibit LAP-4, Exhibit LAP-5, Exhibit Nos. 4 (partial), 5, 7-B, 8 (partial), 12, 18, 19, 20, 26-B, 30, and 31

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. This statement is made subject to the penalties of 18 Pa. C.S. § 4904 relating to unsworn falsifications to authorities.

*Lisa A Petko*

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Lisa A. Petko

This 31st day of January, 2024

TESTIMONY OF  
CATHLEEN M. CHERVEN-OCZYTKO  
ON BEHALF OF  
NATIONAL FUEL GAS DISTRIBUTION CORPORATION

PENNSYLVANIA PUBLIC UTILITY COMMISSION

v.

NATIONAL FUEL GAS DISTRIBUTION CORPORATION  
(PURCHASED GAS COSTS -- 66 PA.C.S. SECTION 1307(f)),  
DOCKET NO. R-2024- 3045177

DIRECT TESTIMONY OF CATHLEEN M. CHERVEN-OCZYTKO  
DOCKET NUMBER R-2024-3045177

1 Q. Please state your name and business address.

2 A. My name is Cathleen M. Cherven-Oczytko, and my  
3 business address is 6363 Main Street, Williamsville,  
4 New York 14221.

5 Q. By whom are you employed and in what capacity?

6 A. I am employed by National Fuel Gas Distribution  
7 Corporation ("Distribution" or the "Company") as an  
8 Assistant Manager for Market Planning in the Rates  
9 and Regulatory Affairs Department.

10 Q. Please state briefly your educational and  
11 professional experience.

12 A. In 1991, I received an Associate Degree in Computer  
13 Science from Bryant & Stratton College. In 2009, I  
14 received a BS in Computer Science from SUNY Buffalo  
15 State University and, in 2022, I received an MBA  
16 from the State University of New York at Buffalo.  
17 For 15 years prior to working at the Company, I  
18 worked for Sigma Systems, Inc. as a Senior Software  
19 Developer for a custom CAMA (Computer Assisted Mass  
20 Appraisal) system. I worked for the Company within  
21 the Information Services department as a Programmer

DIRECT TESTIMONY OF CATHLEEN M. CHERVEN-OCZYTKO  
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1 Analyst II, Systems Analyst, Senior Systems Analyst  
2 and Business Systems Analyst from 2008 to 2022, and  
3 I have worked as an Assistant Manager in the Rates &  
4 Regulatory Affairs department since 2022.

5 Q. Have you previously testified before the  
6 Pennsylvania Public Utility Commission  
7 ("Commission")?

8 A. No. I have not previously testified before the  
9 Commission.

10 Q. Have you previously testified before any other  
11 regulatory commissions?

12 A. Yes. I have presented testimony before the New York  
13 State Public Service Commission at Docket No. 23-G-  
14 0627.

15 Q. What is the subject of your testimony?

16 A. I am testifying regarding PGC Exhibit Nos. 10, 11,  
17 14, 16, 22, and 25.

18 Q. Were these exhibits prepared by you or prepared  
19 under your supervision and direction?

20 A. Yes, they were.

21 Q. Is the content of these exhibits true and correct to

DIRECT TESTIMONY OF CATHLEEN M. CHERVEN-OCZYTKO  
DOCKET NUMBER R-2024-3045177

1 the best of your knowledge, information, and belief?

2 A. Yes, it is.

3 Q. Please explain PGC Exhibit No. 10.

4 A. PGC Exhibit No. 10 explains that Distribution  
5 maintains transportation agreements with its Daily  
6 Metered Transportation customers and Natural Gas  
7 Suppliers that provide Monthly Metered  
8 Transportation service to customers.

9 Q. Please explain PGC Exhibit No. 11.

10 A. PGC Exhibit No. 11 provides monthly transportation  
11 volumes by service classification (within the Daily  
12 Metered Transportation and Monthly Metered  
13 Transportation categories), customer counts for the  
14 month of November 2023, and a summary of current  
15 rates for transportation service. Daily Metered  
16 Transportation volumes, and customer counts by  
17 service class for Commercial, Industrial, and Public  
18 Authority, are provided on page 2. Page 3 provides  
19 Monthly Metered Transportation volumes, and customer  
20 counts by service class for Residential and  
21 Commercial. Page 4 provides Monthly Metered

DIRECT TESTIMONY OF CATHLEEN M. CHERVEN-OCZYTKO  
DOCKET NUMBER R-2024-3045177

1           Transportation volumes, and customer counts by  
2           service class for Industrial and Public Authority.  
3           Pages 5 and 6 provide a summary of current  
4           transportation rates, extracted from Distribution's  
5           tariff.

6   Q.    When did the portions of rates set forth in PGC  
7           Exhibit No. 11, that provide for recovery of  
8           purchased gas costs, become effective?

9   A.    The portion of rates that provide for recovery of  
10          purchased gas costs, as provided in PGC Exhibit No.  
11          11, became effective on November 1, 2023, in  
12          compliance with the Commission's Order issued on  
13          June 15, 2023. This Order was from Distribution's  
14          most recent annual gas cost proceeding, under  
15          Section 1307(f) of the Public Utility Code, at  
16          Docket No. R-2023-3037428. Under the procedure for  
17          quarterly updates of purchased gas costs,  
18          transportation rates may be adjusted quarterly  
19          (i.e., November, February, May, and August). The  
20          most recent filing was submitted on October 31,  
21          2023, at Docket No. R-2023-3037428, with an

DIRECT TESTIMONY OF CATHLEEN M. CHERVEN-OCZYTKO  
DOCKET NUMBER R-2024-3045177

1           effective date of November 1, 2023.

2   Q.   Briefly describe Distribution's system-wide choice  
3       plan.

4   A.   Under the Natural Gas Choice and Competition Act  
5       ("Act"), each natural gas utility in the  
6       Commonwealth of Pennsylvania was required to submit  
7       a restructuring plan to the Commission by November  
8       1, 1999. Distribution's system-wide choice plan  
9       under the Act was filed on October 1, 1999, at  
10      docket R-00994785. Even before then, Distribution  
11      offered choice to almost all customers, under a  
12      prior plan that became effective on March 4, 1999.  
13      Since then, Distribution's customers (except for one  
14      group described below), have been allowed to choose  
15      their own natural gas supplier for natural gas  
16      service. That gas supply is transported through  
17      natural gas delivery service that is provided by the  
18      Company. Only customers who elect to participate in  
19      the Low Income Residential Assistance ("LIRA")  
20      program are not eligible to select a supplier other  
21      than Distribution. Effective July 15, 2010,

DIRECT TESTIMONY OF CATHLEEN M. CHERVEN-OCZYTKO  
DOCKET NUMBER R-2024-3045177

1           Distribution instituted a Purchase of Receivables  
2           ("POR") program for qualified natural gas suppliers  
3           on the Company's system.

4           The September 30, 2023 report filed with the  
5           Commission regarding the number and percentage of  
6           customers using alternative suppliers (i.e., NGDC  
7           Customer Switching Statistics) explains that 8.7% of  
8           residential customers, 28.6% of commercial  
9           customers, and 70.7% of industrial customers chose  
10          an alternative supplier. The percentage of load from  
11          alternative suppliers is 9.8% for the residential  
12          class, 79.3% for the commercial class, and 99.5% for  
13          the industrial class. In total, for the month of  
14          September 2023, 79.1% of the load is supplied from  
15          alternative suppliers.

16   Q.    Please explain PGC Exhibit No. 14.

17   A.    PGC Exhibit No. 14 is a schedule showing, for the  
18          most recent five years (i.e., November 2018 -  
19          October 2019 through November 2022 through October  
20          2023), consecutive three-day peak throughput data  
21          (retail sales and end-user transportation service),

DIRECT TESTIMONY OF CATHLEEN M. CHERVEN-OCZYTKO  
DOCKET NUMBER R-2024-3045177

1 by customer class (residential, commercial,  
2 industrial, and public authority) for Distribution's  
3 Pennsylvania Division. It also shows the high, low,  
4 and average temperature for each consecutive three  
5 days. December 23, 2022 - December 25, 2022 is the  
6 most recent consecutive three-day peak. December 23,  
7 2022 is the most recent peak day within that three-  
8 day period specified in PGC Exhibit No. 14.

9 Q. Please explain PGC Exhibit No. 16.

10 A. PGC Exhibit No. 16 reflects Distribution's gas  
11 requirements to provide reliable and uninterrupted  
12 service to its priority one customers (residential  
13 and firm critical commercial and public authority  
14 essential human needs customers) during peak  
15 periods. These requirements are calculated on both  
16 historic and projected bases.

17 Q. Please explain PGC Exhibit No. 22.

18 A. PGC Exhibit No. 22 is composed of four pages. Page 2  
19 provides the historic levels of retail sales volumes  
20 in Mcf for Distribution's Pennsylvania Division for  
21 the twelve months ended November 30, 2023. Page 3 of

DIRECT TESTIMONY OF CATHLEEN M. CHERVEN-OCZYTKO  
DOCKET NUMBER R-2024-3045177

1 PGC Exhibit No. 22 provides the projected levels of  
2 retail sales volumes in Mcf for Distribution's  
3 Pennsylvania Division for the eight months ending  
4 July 31, 2024. Page 4 provides the projected levels  
5 of retail sales volumes in Mcf for the Company's  
6 Pennsylvania Division for the twelve months ending  
7 July 31, 2025. The projected retail sales volume of  
8 21,817,752 Mcf, provided on page 4 of PGC Exhibit  
9 No. 22, is the projected sales volume that is used  
10 as Factor "S" in the computation of purchased gas  
11 costs in PGC Exhibit 21.

12 Q. Please explain the methodology employed to project  
13 the levels of sales volumes contained in PGC Exhibit  
14 No. 22.

15 A. In Distribution's most recent base rate proceeding,  
16 docket at R-2022-3035730, the Commission issued an  
17 Order on June 15, 2023, which approved a settlement.  
18 Rates became effective on August 1, 2023. The  
19 methodology employed to project the level of sales  
20 volumes for PGC Exhibit No. 22 is the same  
21 methodology that was used in Distribution's last

DIRECT TESTIMONY OF CATHLEEN M. CHERVEN-OCZYTKO  
DOCKET NUMBER R-2024-3045177

1 base rate proceeding.

2 Q. Please explain PGC Exhibit No. 25.

3 A. PGC Exhibit No. 25 provides Distribution's wellhead  
4 price projection for December 2023 through December  
5 2025. This wellhead price projection is based on  
6 three projections of natural gas prices at Henry  
7 Hub:

- 8 • The Energy Information Administration  
9 ("EIA")
- 10 • New York Mercantile Exchange ("NYMEX")
- 11 • PIRA North American Gas ("PIRA"), owned by  
12 S&P Global Platts

13 Page 2 calculates the wellhead price  
14 projection. Page 3 provides the October 27, 2023 EIA  
15 Henry Hub spot natural gas price from the Short-Term  
16 Energy Outlook (for the months of November 2023  
17 through December 2024). This information is included  
18 in Column A on page 2 of PGC Exhibit No. 25.

19 Page 4 reflects the NYMEX trading activity for  
20 the November 2023 close on October 27, 2023 (for the  
21 months of December 2023 through December 2025). The

DIRECT TESTIMONY OF CATHLEEN M. CHERVEN-OCZYTKO  
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1           projected settlement gas price is included in Column  
2           B of page 2 of PGC Exhibit No. 25.

3                       Page 5 of PGC Exhibit No. 25 shows PIRA's  
4           forward curve gas price forecast for the months of  
5           November 2023 through December 2025. This  
6           information is included in Column C of page 2 of PGC  
7           Exhibit No. 25.

8                       The wellhead projection for December 2023  
9           through December 2025 (as shown in Column D on page  
10          2 of PGC Exhibit No. 25) is calculated by taking the  
11          arithmetic average of the EIA spot natural gas price  
12          (Column A), the NYMEX projected settlement gas price  
13          (Column B), and the PIRA forward curve gas price  
14          forecast (Column C).

15   Q.    Does this conclude your direct testimony?

16   A.    Yes, it does at this time.

Verification

I, *Cathleen M. Cherven-Oczytko*, Assistant Manager, of the Rates & Regulatory Affairs Department of National Fuel Gas Distribution Corporation state that the facts set forth in the foregoing Purchased Gas Cost Filing under Section 1307(f) of the Public Utility Code and 52 Pa. Code §§ 53.64 and 53.65 Docketed at R-2024-3045177 including

Distribution PGC Statement No. 8, Direct Testimony of Cathleen M. Cherven-Oczytko  
Exhibit Nos. 10,11,14,16,22,25

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. This statement is made subject to the penalties of 18 Pa. C.S. § 4904 relating to unsworn falsifications to authorities.

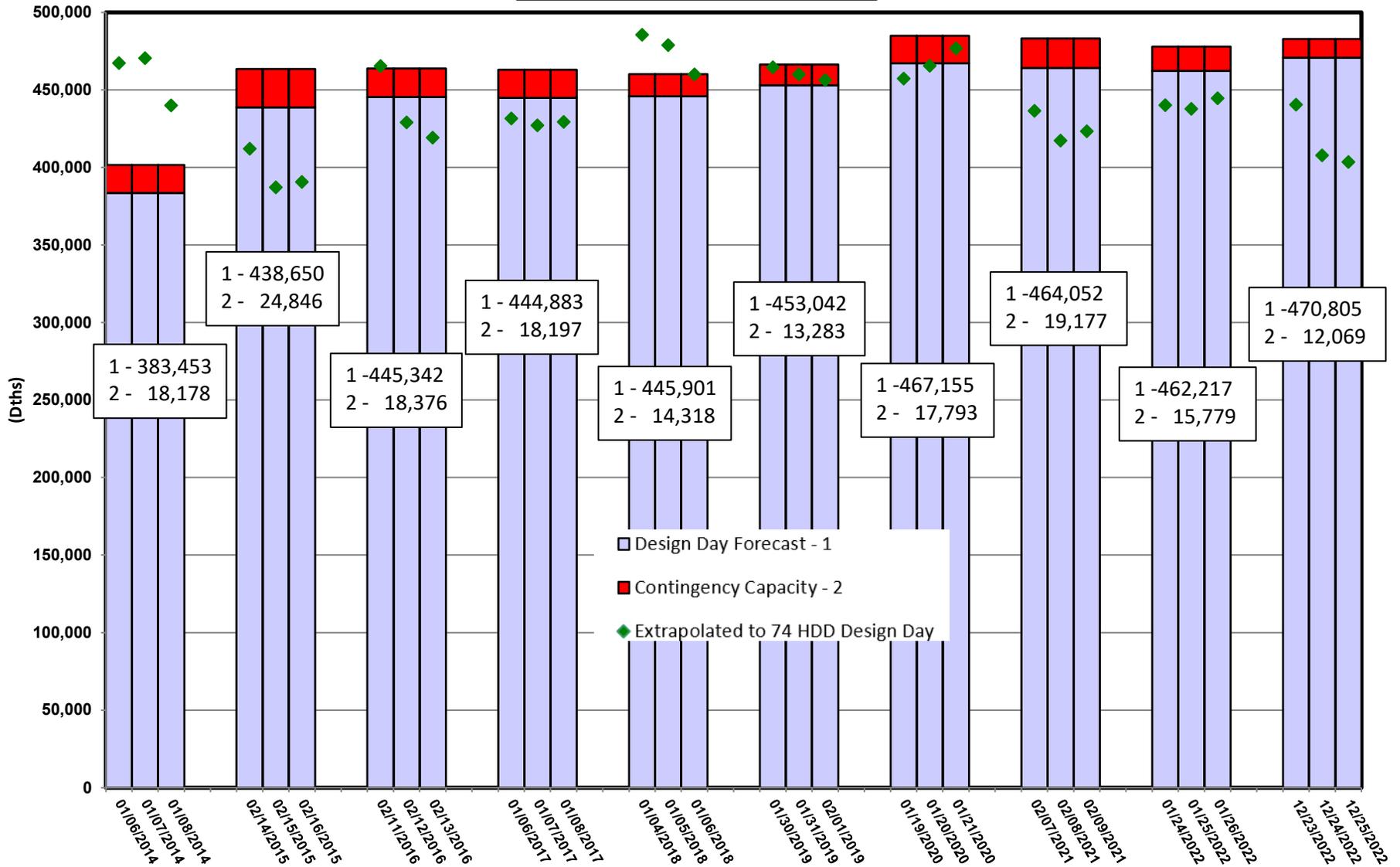
*Cathleen M. Cherven-Oczytko*

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Cathleen M. Cherven-Oczytko

This 31st day of January, 2024

**NFGDC-PA Peak Day Comparisons**  
 For seasons 2013 to 2023  
 Winter 3-day Peaks  
 (Temperature data 10 to 10)



\* 1/4/2018 - Genon Energy Management usage exceeded design day forecast

Certified Gas Purchased	
	9,500 Dth/day
	365 days
	3,467,500 Dth/year (mmBtu/yr)
	1.033 Dth/Mcf Heating Value
	3,356,728 Mcf/year
	3,658,212,500 MJ/year

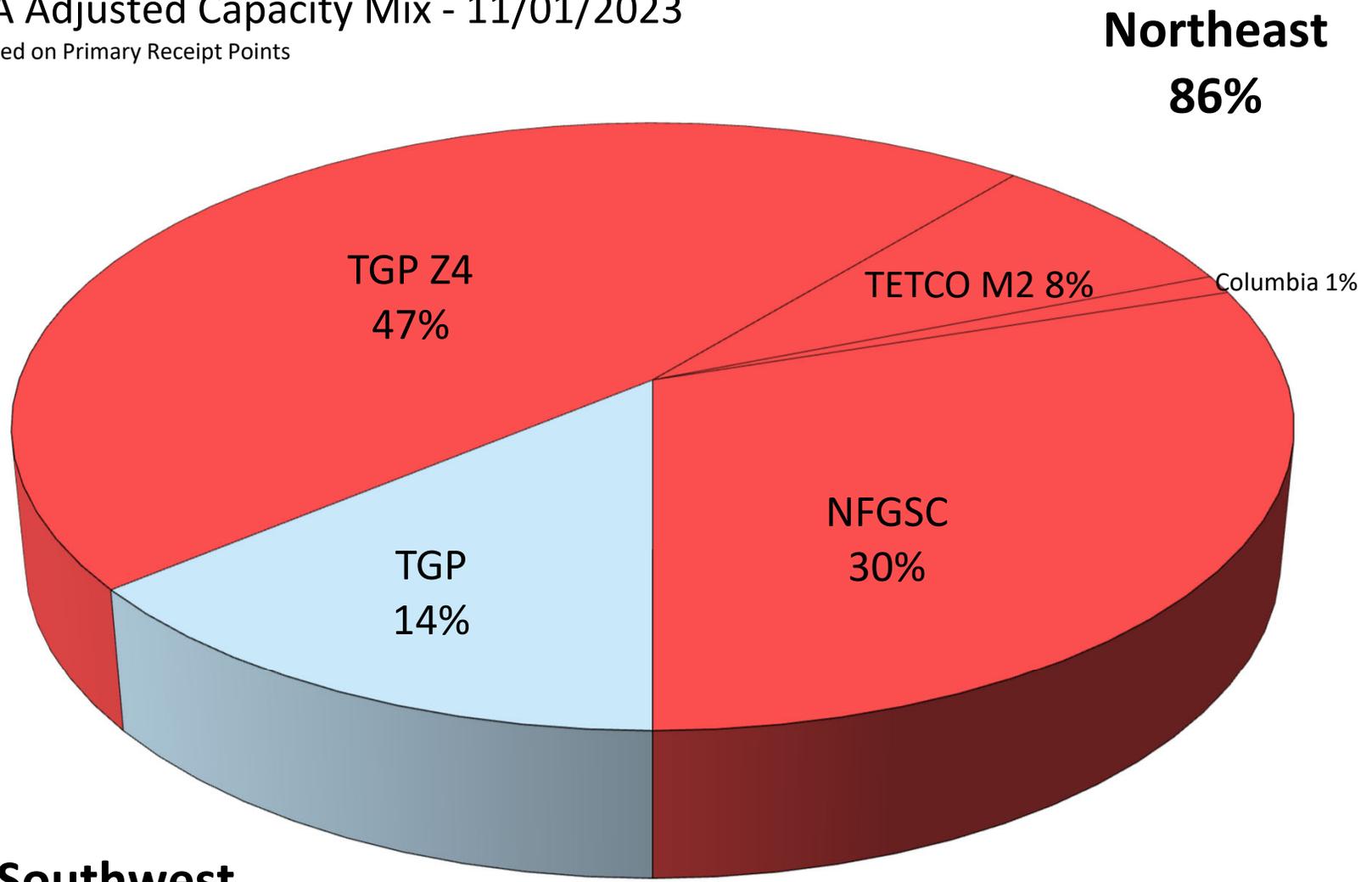
Methane Emission Rate: Appalachian Shale, NON-Certified	
CH4 EF [NETL]	1.69E-05 kg/MJ
CH4 Emitted	61.82 MT CH4/yr
Methane Emission Rate: MiQ Certified	
MiQ CH4 Intensity	0.05%
Vol CH4 Emitted	1,611.23 Mcf/yr
Mass CH4 Emitted	30.94 MT/yr
<b>CH4 Emissions Reduction</b>	<b>30.89 MT CH4/yr</b>
<b>CH4 Reduction as CO2-e</b>	<b>2,594.61 MT CO2-e/yr</b>
<i>Source [NETL]: "Life Cycle GHG Perspective on US Natural Gas Delivery Pathways", Environmental Science &amp; Technology, Oct. 2022, Supporting Data, Table SI-27</i>	
<i>Note: Analysis assumes: 1) emissions from other stages (e.g., transmission, storage, etc) are the same for both certified and non-certified gas.</i>	
<i>2) marginal CO2 between certified and non-certified does not meaningfully change CO2-e; 3) distribution losses are accounted for separately</i>	

Upstream Emissions Excluding Production	
CH4	133 MT/yr
CO2	8,904 MT/yr
N2O	0 MT/yr
<b>CO2-e</b>	<b>20,141 MT/yr</b>
End User Combustion Emissions	
<b>CO2 =</b>	<b>183,986 MT/yr</b>
assume CH4/N2O =	0 MT/yr

Total Emissions	
Certified	206,725 MT CO2-e/yr
Appalachian, non-cert	209,319 MT CO2-e/yr
<b>Emissions Reduction</b>	<b>2,595 MT CO2-e/yr</b>
<b>% change</b>	<b>-1.2%</b>

# PA Adjusted Capacity Mix - 11/01/2023

Based on Primary Receipt Points

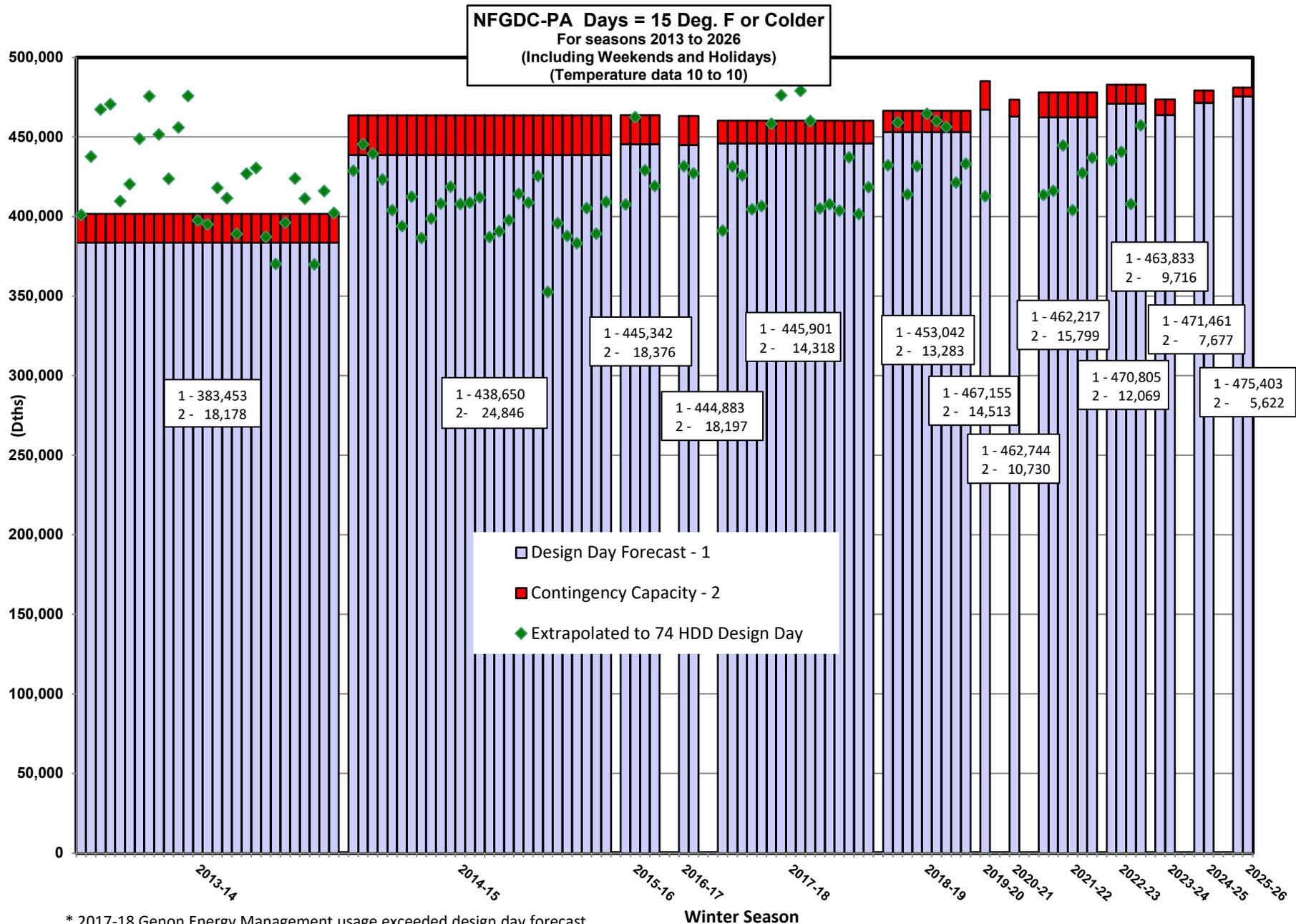


**Northeast**

**86%**

**Southwest**

**14%**



\* 2017-18 Genon Energy Management usage exceeded design day forecast

National Fuel Gas Distribution Corporation-PA ("Distribution")  
Forecast Design Day Requirements and Contingency Capacity Summary (Dth/day)

Table 1

Winter Season	Total Intermediate Capacity	Total Forecast Requirements	Year Over Year % Change	Contingency Capacity	Contingency Capacity %
2018-2019	340,885	327,603		13,282	4.1%
2019-2020	340,690	326,177	-0.4%	14,513	4.4%
2020-2021	340,811	330,081	1.2%	10,730	3.3%
2021-2022	350,705	334,926	1.5%	15,779	4.7%
2022-2023	350,774	338,705	1.1%	12,069	3.6%
2023-2024	350,876	341,160	0.7%	9,716	2.8%
<b>2024-2025</b>	<b>350,876</b>	<b>343,199</b>	<b>0.6%</b>	<b>7,677</b>	<b>2.2%</b>
2025-2026	350,876	345,214	0.6%	5,662	1.6%
2026-2027	350,876	347,002	0.5%	3,874	1.1%
2027-2028	350,876	349,039	0.6%	1,837	0.5%

Table 2

Winter Season	Total Intermediate Capacity	Total Forecast Requirements	Year Over Year % Change	Contingency Capacity	Proposed Intermediate Capacity	Updated Contingency	Contingency Capacity %
2018-2019	340,885	327,603		13,282			4.1%
2019-2020	340,690	326,177	-0.4%	14,513			4.4%
2020-2021	340,811	330,081	1.2%	10,730			3.3%
2021-2022	350,705	334,926	1.5%	15,779			4.7%
2022-2023	350,774	338,705	1.1%	12,069			3.6%
2023-2024	350,876	341,160	0.7%	9,716			2.8%
<b>2024-2025</b>	<b>355,876</b>	<b>343,199</b>	<b>0.6%</b>	<b>7,677</b>	<b>5,000</b>	<b>12,677</b>	<b>3.7%</b>
2025-2026	355,876	345,214	0.6%	5,662	5,000	10,662	3.1%
2026-2027	355,876	347,002	0.5%	3,874	5,000	8,874	2.6%
2027-2028	355,876	349,039	0.6%	1,837	5,000	6,837	2.0%

Pipeline Penalty and Rate Case Settlement Credits Received		
Invoice Date	Pipeline	Refund Amount
12/12/2023	Columbia Gas Transmission, LLC	\$ (4,405.65)
12/12/2023	Columbia Gas Transmission, LLC	\$ (27,629.37)
4/10/2023	Texas Eastern Transmission, LP	\$ (646.82)
5/10/2023	Texas Eastern Transmission, LP	\$ (6,904.63)
10/10/2023	Texas Eastern Transmission, LP	\$ (812.81)
11/10/2023	Texas Eastern Transmission, LP	\$ (158.14)

**National Fuel Gas Distribution Corporation  
Pennsylvania Division  
GAS COST MANAGEMENT PLAN**

**Volatility mitigation through price diversification of gas supplies.**

- I.** Forward pricing: Fix or cap approximately 12% of forecasted winter (November – March) demand requirements. Pricing will be established over the preceding summer (April – October).
- II.** Storage: Approximately 40% of winter demand requirements are served from storage, these supplies are priced at a weighted average cost of storage gas.
- III.** Monthly Pricing: Approximately 24% of winter and 50% of summer forecasted demand requirements shall be priced at a mix of index and bid week negotiated (cash) prices.
- IV.** Daily Pricing: Approximately 24% of winter and 50% of summer forecasted demand requirements shall be priced at a mix of index and negotiated (cash) prices.

	Winter	Summer
Forward	12%	0%
Storage	40%	0%
Monthly	24%	50%
Daily	24%	50%
	100%	100%

The timing of when to fix or cap prices, and the percentages indicated above, are general guidelines based on normal weather and operating conditions. Adjustments may be necessary to accommodate operational requirements and unanticipated events.

Revision Date: November 1, 2018

**National Fuel Gas Distribution Corporation**  
**Pennsylvania Division**  
**GAS COST MANAGEMENT PLAN**  
**Effective: April 1, 2025**

**Volatility mitigation through price diversification  
(100% of forecasted monthly purchases)**

- I.** Forward pricing: Winter fixed price or caps for approximately 12% of forecasted winter (November – March) demand requirements. Prices for these winter delivery quantities will be established over the preceding summer (April – October). Summer fixed price for approximately 15%-20% of forecasted summer (April – October) demand requirements and storage fill requirements. Prices for these summer delivery quantities will be established over the preceding summer (April – October).
- II.** Storage: Approximately 40% of winter demand requirements are served from storage, these supplies are priced at the previous summer's (April – October) average purchase price.
- III.** Monthly Pricing: Approximately 24% of winter and 30%-35% of summer forecasted demand requirements shall be priced at a mix of index and bid week negotiated (cash) prices.
- IV.** Daily Pricing: Approximately 24% of winter and 50% of summer forecasted demand requirements shall be priced at a mix of index and negotiated (cash) prices.

	Winter	Summer
Forward	12%	15-20%
Storage	40%	0%
Monthly	24%	30-35%
Daily	24%	50%
	100%	100%

The timing of when to fix or cap prices, and the percentages indicated above, are general guidelines based on normal weather and operating conditions. Adjustments may be necessary to accommodate operational requirements and unanticipated events.

National Fuel Gas Distribution Corporation  
 Pennsylvania Division  
 Commodity  
 On and After November 1, 2023

		Initial Filing	Nov. 23 quarterly	
		Aug-23	Nov-23	Nov-23
		(A)	(B)	(C-=B-A)
(1)	Commodity - C factor \$	59,397,938	60,485,785	1,087,847
(2)	Quarterly - Adjustment Change - Page 7		(476,392)	(476,392)
(3 = 1+ 2)	Total Change		60,009,393	611,455
(4)	Volumes - Mcf	21,708,981		<b>21,708,981</b>
(5 = 3/4)	Quarterly C-factor change	2.7361		0.0282
(6=5)	Prior quarterly rate			2.7361
(7= 5+6)	Sub total C Factor Rate - \$/Mcf	2.7361		2.7643
(8)	Annual O/(U) - \$ - E-Factor	26,791,987	26,097,749	(694,238)
(9=8/4)	Over/Under collection change	1.2341		(0.0320)
(10=9)	Prior quarterly rate			1.2341
(11=9+10)	O/(U) Rate - \$/Mcf	1.2341		1.2021
(12)	Storage - \$/Mcf	\$ 0.0051		\$ (0.0007)
(13=7-11+12)	Total rate - \$/Mcf	<b>1.5071</b>		<b>1.5615</b>

National Fuel Gas Distribution Corporation  
 Pennsylvania Division  
 Demand - NGS  
 On and After November 1, 2023

		Initial Filing	Nov. 23 quarterly	
		Aug-23	Nov-23	Nov-23
		(A)	(B)	(C-=B-A)
(1)	Demand - NGS factor \$	29,592,195	39,502,770	9,910,575
(2)	Quarterly - Adjustment Change - Page 5		529,985	529,985
(3 = 1+ 2)	Total Change		40,032,755	10,440,560
(4)	Volumes - Mcf	21,708,981		<b>21,708,981</b>
(5 = 3/4)	Quarterly C-factor change	1.3631		0.4809
(6=5)	Prior quarterly rate			1.3631
(7= 5+6)	Sub total C Factor Rate - \$/Mcf	1.3631		1.8440
(8)	Annual O/(U) - \$ - E-Factor	(1,259,998)	(1,972,167)	(712,169)
(9=8/4)	Over/Under collection change	(0.0580)		(0.0328)
(10=9)	Prior quarterly rate			(0.0580)
(11=9+10)	O/(U) Rate - \$/Mcf	(0.0580)		(0.0908)
(12=7-11)	Total rate - \$/Mcf	<b>1.4211</b>		<b>1.9348</b>

National Fuel Gas Distribution Corporation  
 Pennsylvania Division  
 Demand - DC  
 On and After November 1, 2023

		Initial Filing	Nov. 23 quarterly	
		Aug-23	Nov-23	Nov-23
		(A)	(B)	(C-=B-A)
(1)	Demand - DC factor \$	6,461,604	8,497,530	2,035,926
(2)	Quarterly - Adjustment Change - Page 6		39,141	39,141
(3 = 1+ 2)	Total Change		8,536,671	2,075,067
(4)	Volumes - Mcf	23,651,935		<b>23,651,935</b>
(5 = 3/4)	Quarterly C-factor change	0.2732		0.0877
(6=5)	Prior quarterly rate			0.2732
(7= 5+6)	Sub total C Factor Rate - \$/Mcf	0.2732		0.3609
(8)	Annual O/(U) - \$ - E-Factor	(376,721)	(437,630)	(60,909)
(9=8/4)	Over/Under collection change	(0.0159)		(0.0026)
(10=9)	Prior quarterly rate			(0.0159)
(11=9+10)	O/(U) Rate - \$/Mcf	(0.0159)		(0.0185)
(12=7-11)	Total rate - \$/Mcf	<b>0.2891</b>		<b>0.3794</b>

**NATIONAL FUEL GAS DISTRIBUTION CORPORATION**  
**Pennsylvania Division**  
**Calculation of Interest on Storage Injections / Withdrawals (C Factor - (Passback) / Recovery)**  
**Twelve Months Ended July 2024**

<u>Month</u>		<u>Injections</u>	<u>Withdrawals</u>	<u>Rate</u>	<u>Cost Charged</u>	<u>Cost Paid</u>	<u>Storage</u>	<u>Interest</u>	<u>Interest</u>	<u>Gross</u>
		<u>Mcf</u>	<u>Mcf</u>	<u>Differential</u>	<u>Through PGC</u>	<u>By Distribution</u>	<u>(Net Paid) /</u>	<u>Weight</u>	<u>Rate</u> <sup>1</sup>	<u>Storage Interest</u>
		(1)	(2)	\$/Mcf	By Distribution	But Not Charged	Net Charged	(7)	%	Expense/(Revenue)
				(3)	\$	\$	\$		(8)	\$
					(4=2x3)	(5=1x3)	(6=4+5)			(9=[6x(7x8)])
August 2023	Closed	975,930	14,830	\$4.5022	66,768	(4,393,832)	(4,327,064)	12 / 12	3.25%	\$ (140,630)
September	Closed	1,169,912	14,590	\$4.5022	65,687	(5,267,178)	(5,201,491)	11 / 12	3.25%	\$ (154,961)
October	Open	838,121	-	\$4.1072	-	(3,442,331)	(3,442,331)	10 / 12	3.25%	\$ (93,230)
November	Open	-	550,251	\$4.1072	2,259,991	-	2,259,991	9 / 12	3.25%	\$ 55,087
December	Open	-	1,147,071	\$4.1072	4,711,250	-	4,711,250	8 / 12	3.25%	\$ 102,077
January 2024	Open	-	1,933,801	\$4.1072	7,942,507	-	7,942,507	7 / 12	3.25%	\$ 150,577
February	Open	-	1,495,493	\$4.1072	6,142,289	-	6,142,289	6 / 12	3.25%	\$ 99,812
March	Open	-	1,693,306	\$4.1072	6,954,746	-	6,954,746	5 / 12	3.25%	\$ 94,179
April	Open	233,722	-	\$4.1072	-	(959,943)	(959,943)	4 / 12	3.25%	\$ (10,399)
May	Open	1,198,831	-	\$4.1072	-	(4,923,839)	(4,923,839)	3 / 12	3.25%	\$ (40,006)
June	Open	1,156,021	-	\$4.1072	-	(4,748,009)	(4,748,009)	2 / 12	3.25%	\$ (25,718)
July	Open	1,172,988	-	\$4.1072	-	(4,817,696)	(4,817,696)	1 / 12	3.25%	\$ (13,048)
<b>TOTAL</b>		<b>6,745,525</b>	<b>6,849,342</b>		<b>\$ 28,143,238</b>	<b>\$ (28,552,828)</b>	<b>\$ (409,590)</b>			<b>\$ 23,740</b>
Estimated storage interest expense / (income) due to / (from) PGC customers										<b>\$ 23,740</b>
PGC Volumes										<b>22,556,240</b>
PGC (Passback) / Recovery Rate \$/Mcf										<b>(\$0.0007)</b>

<sup>1</sup> The storage over/(under) interest rate was calculated on a stand-alone basis using the TME July as the determination period.

Table TLW-1				
	Volumes		Gas Cost	
	Mcf	%	\$	%
Sales	21,817,752	44.5%	125,432,133	95.4%
MMT	8,983,462	18.3%	5,210,408	4.0%
SATC	2,012,390	4.1%	888,470	0.7%
DMT	16,190,046	33.0%	0	0.0%
Total	49,003,650	100%	131,531,011	100.0%

**NATIONAL FUEL GAS DISTRIBUTION CORPORATION  
BUFFALO, NEW YORK  
RATES, RULES AND REGULATIONS  
GOVERNING THE FURNISHING  
OF  
NATURAL GAS SERVICE  
IN  
TERRITORY DESCRIBED HEREIN**

Issued: January 31, 2024

Effective: August 1, 2024

D. L. DeCAROLIS, PRESIDENT  
BUFFALO, NEW YORK

This Supplement includes increases and decreases to existing rates.  
See page 2.

## LIST OF CHANGES MADE BY THIS TARIFF

INCREASE:

1. Distribution Charge for Residential, Commercial and Public Authority, Small Volume Industrial, Intermediate Volume Industrial, Large Volume Industrial and Large Industrial Service Classes increase.  
Pages 36, 36A, 41, 41A, 42, 53, 55, 65, 66, 76
2. Gas Adjustment Charges increase for Residential, Commercial and Public Authority, Small Volumes Industrial, Intermediate Volume Industrial, and Large Industrial Service  
Pages 36, 41, 41A, 42, 53, 55, 65, 76
3. The Natural Gas Supply Charge for Residential, Commercial and Public Authority, Small Volume Industrial, Intermediate Volume Industrial, Large Volume Industrial and Large Industrial Service Classes increase.  
Pages 36A, 41, 41A, 42, 53, 55, 66 and 76A.
4. Demand Charges for Load Balancing Service increase.  
Pages 48, 61, 72, 79, 82
5. Commodity Charges for Sales Services increase.  
Pages 50, 62, 73, 80
6. Commodity Charges for Transportation Service increase.  
Page 50, 63, 74, 81
7. Components of Natural Gas Vehicle rates increase.  
Pages 83 and 84.
8. Priority Standby Service monthly rate increase.  
Pages 93, 95
9. The price for purchase of gas by Distribution from a transportation service customer in the event of a curtailment or interruption will increase.  
Pages 106, 117 and 146G.
10. Purchased gas costs in Rider A increase.  
Page 147
11. The Price to Compare shown in Rider H increases.  
Page 169.
12. MMT Service Rates increased for Residential, "Small" Commercial/ Public Authority >25,000, "Large" Commercial/ Public Authority, Intermediate Volume Industrial, Large Volume Industrial, and Large Industrial Service Classes.  
Pages 100 and 101

LIST OF CHANGES MADE BY THIS TARIFF

INCREASE:

13. SATC Transportation Service rates increase for Residential and Small Volume Industrial.  
Page 119A, 120, 121
14. Certain Demand Transfer Recovery Rates ("DTR") increase.  
Page 127.
15. SATC Alternative Capacity Release Rate increase.  
Page 131.
16. The Merchant Function Charge in Rider G increase.  
Page 168.

DECREASE:

17. Weighted average demand cost of upstream capacity increases.  
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NATIONAL FUEL GAS  
DISTRIBUTION CORPORATION

Supplement No. 269 to  
Gas - Pa. P.U.C. No. 9  
One-Hundred-Seventeenth Revised Page No. 36  
Canceling One-Hundred-Sixteenth Revised Page No. 36

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RESIDENTIAL SERVICE RATE SCHEDULE

RESIDENTIAL CLASSIFICATION

This classification shall include gas supplied for residential purposes such as a private dwelling, apartment house with a single meter supplying four or less dwelling units, separately metered apartments of a multiple dwelling, accessory buildings to dwellings or apartment houses such as garages, except at residences receiving service under Rate Schedule LIRAS for Low Income Residential Assistance Service and other places of residence where gas is used for residential purposes.

Churches and missions (places of worship) shall be entitled to Service under the Residential service rate schedule.

AVAILABILITY OF SERVICE

Gas Service shall be available at one location, except as otherwise provided, for residential customers.

APPLICABILITY

Applicable in all areas served under this tariff.

MONTHLY RATE

Basic Service Charge

\$14.00 per Month

Distribution Charges

34.036¢ per 100 cubic feet (I)

Gas Adjustment Charge

(0.479)¢ per 100 cubic feet Purchased Gas Cost Component (I)

(0.009)¢ per 100 cubic feet (Rider A) Merchant Function Charge (I)

(0.009)¢ per 100 cubic feet (Rider G)

(0.488)¢ Per 100 cubic feet Total Gas Adjustment Charge (I)

(D) Indicates Decrease

(I) Indicates Increase

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Issued: January 31, 2024

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RESIDENTIAL SERVICE RATE SCHEDULE (cont.)

Natural Gas Supply Charge			
55.335¢	per 100 cubic feet	Purchased Gas Cost Component (Rider A)	(I)
0.998¢	per 100 cubic feet	Merchant Function Charge (Rider G)	(I)
<u>1.149¢</u>	per 100 cubic feet	Gas Procurement Charge (Rider H)	
57.482¢	per 100 cubic feet Charge	Total Natural Gas Supply	(I)

The Natural Gas Supply Charge shall include a Merchant Function Charge (Rider G) to recover uncollectible costs associated with purchase gas costs of 1.8032% and the Gas Procurement Charge (Rider H) to recover costs of procuring natural gas pursuant to 52 Pa. Code §62.223. The above non-purchased gas cost rates shall be subject to surcharges in accordance with the provisions of Rider B - State Tax Adjustment Surcharge. Residential rate classes shall be subject to Rider F - LIRA Discount Charge as set forth in this tariff.

RULES AND REGULATIONS

The rules and regulations set forth in this tariff shall govern, where applicable, the supply of gas service under this rate schedule.

(D) Indicates Decrease

(I) Indicates Increase

NATIONAL FUEL GAS  
DISTRIBUTION CORPORATION

Supplement No. 269 to  
Gas - Pa. P.U.C. No. 9  
One-Hundred-Seventeenth Revised Page No. 41  
Canceling One-Hundred-Sixteenth Revised Page No.41

COMMERCIAL AND PUBLIC AUTHORITY SERVICE RATE SCHEDULE (cont.)

APPLICABILITY

Applicable in all areas served under this tariff.

MONTHLY RATE

For "Small" Commercial/Public Authority Customers using not more than 250,000 cubic feet per year:

Basic Service Charge			
\$27.00	per Month		
Distribution Charges			
27.419¢	per 100 cubic feet		(I)
Gas Adjustment Charge			
(0.479)¢	per 100 cubic feet	Purchased Gas Cost Component (Rider A)	(I)
<u>(0.002)¢</u>	per 100 cubic feet	Merchant Function Charge (Rider G)	(I)
(0.481)¢	per 100 cubic feet	Total Gas Adjustment Charge	(I)
Natural Gas Supply Charge			
55.335¢	per 100 cubic feet	Purchased Gas Cost Component (Rider A)	(I)
0.188¢	per 100 cubic feet	Merchant Function Charge (Rider G)	(I)
<u>1.149¢</u>	per 100 cubic feet	Gas Procurement Charge (Rider H)	
56.672¢	per 100 cubic feet	Total Natural Gas Supply Charge	(I)

The Natural Gas Supply Charge shall include a Merchant Function Charge (Rider G) to recover uncollectible costs associated with purchase gas costs of 0.3398% and the Gas Procurement Charge (Rider H) to recover costs of procuring natural gas pursuant to 52 Pa. Code §62.223.

The above non=purchased gas cost rates shall be subject to surcharges in accordance with the provisions of Rider B - State Tax Adjustment Surcharge as set forth in this tariff.

(D) Indicates Decrease

(I) Indicates Increase

## COMMERCIAL AND PUBLIC AUTHORITY SERVICE RATE SCHEDULE (Cont'd)

For "Small" Commercial/Public Authority Customers using greater than 250,000 cubic feet but not more than 1,000,000 cubic feet per year:

Basic Service Charge			
	\$37.00	per Month	
Distribution Charges			
	24.980¢	per 100 cubic feet	(I)
Gas Adjustment Charge			
	(0.479)¢	per 100 cubic feet	Purchased Gas Cost Component (I)
			(Rider A)
	<u>(0.002)¢</u>	per 100 cubic feet	Merchant Function Charge (I)
			(Rider G)
	(0.481)¢	per 100 cubic feet	Total Gas Adjustment Charge (I)
Natural Gas Supply Charge			
	55.335¢	per 100 cubic feet	Purchased Gas Cost Component (I)
			(Rider A)
	0.188¢	per 100 cubic feet	Merchant Function Charge (I)
			(Rider G)
	<u>1.149¢</u>	per 100 cubic feet	Gas Procurement Charge (Rider H)
	56.672¢	per 100 cubic feet	Total Natural Gas Supply Charge (I)

The Natural Gas Supply Charge shall include a Merchant Function Charge (Rider G) to recover uncollectible costs associated with purchase gas costs of 0.3398% and the Gas Procurement Charge (Rider H) to recover costs of procuring natural gas pursuant to 52 Pa. Code §62.223.

The above non-purchased gas cost rates shall be subject to surcharges in accordance with the provisions of Rider B - State Tax Adjustment Surcharge as set forth in this tariff.

(D) Indicates Decrease

(I) Indicates Increase

## Commercial and Public Authority Service Rate Schedule (Cont'd)

For "Large" Commercial/Public Authority Customers:

Basic Service Charge			
	\$151.00	per Month	
Distribution Charges			
	21.047¢	per 100 cubic feet	(I)
Gas Adjustment Charge			
	(0.479)¢	per 100 cubic feet	Purchased Gas Cost Component (I)
			(Rider A)
	<u>(0.002)¢</u>	per 100 cubic feet	Merchant Function Charge (I)
			(Rider G)
	(0.481)¢	per 100 cubic feet	Total Gas Adjustment Charge (I)
Natural Gas Supply Charge			
	55.335¢	per 100 cubic feet	Purchased Gas Cost Component (I)
			(Rider A)
	0.188¢	per 100 cubic feet	Merchant Function Charge (I)
			(Rider G)
	<u>1.149¢</u>	per 100 cubic feet	Gas Procurement Charge (I)
			(Rider H)
	56.672¢	per 100 cubic feet	Total Natural Gas Supply Charge (I)

The Natural Gas Supply Charge shall include a Merchant Function Charge (Rider G) to recover uncollectible costs associated with purchase gas costs of 0.3398% and the Gas Procurement Charge (Rider H) to recover costs of procuring natural gas pursuant to 52 Pa. Code §62.223.

The above non-purchased gas cost rates shall be subject to surcharges in accordance with the provisions of Rider B - State Tax Adjustment Surcharge as set forth in this tariff.

## APPLICATION PERIOD

The Application Period shall be the twelve months beginning March 1 of each year.

## RULES AND REGULATIONS

The Rules and Regulations set forth in this tariff shall govern, where applicable, the supply of gas service under this rate schedule.

(D) Indicates Decrease

(I) Indicates Increase

1. The purchased gas demand costs applicable to the Residential, Commercial and Public Authority, Small Volume Industrial, Intermediate Volume Industrial, Large Volume Industrial and Large Industrial classes, the "DC", shall be obtained from Rider "A" - Section 1307(f) Purchased Gas Costs.
2. The number 12 shall be multiplied by the sum of (a) the volume of gas (expressed in Mcf) purchased from the Company by all Residential, Commercial and Public Authority, Small Volume Industrial, Intermediate Volume Industrial, Large Volume Industrial and Large Industrial customers, during the Company peak Sales Month and (b) the volume of service (expressed in Mcf) to all customers under the "Monthly Volume" provisions of Rate Schedule SB, during the Company Peak Sales Month.
  - (a) "Company Peak Sales Month" is defined as the calendar month within which the Company experienced the System-Wide Peak Sales Day, such month being December, January or February preceding the Section 1307(f) Application Period for which the determination of the rate per Gas BDU is being made.
  - (b) "System-Wide Peak Sales Day" is defined as the day of maximum gas purchased by the Company, including all volumes of gas purchased from the Company throughout its entire system in the states of Pennsylvania and New York.
3. The amount determined in Item 1 above shall be divided by the amount determined in Item 2 above to determine the amount included in the rate for recovery of purchased gas costs.
4. The rate per Gas BDU shall be the amount for purchased gas demand costs (Item 3).

The current rate per Gas BDU is as follows:

Purchased Gas Demand Cost	\$1.2315/BDU	(I)
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Each time there is a change in the provision for recovery of purchased gas costs pursuant to Rider "A" of this tariff, a recomputation shall be made, under Items 1, 2 and 3, above, of the component to be included in the rate for purchased gas demand costs and the rate per Gas BDU shall be changed accordingly.

(D) Indicates Decrease

(I) Indicates Increase

NATIONAL FUEL GAS  
DISTRIBUTION CORPORATION

Supplement No. 269 to  
Gas - Pa. P.U.C. No. 9  
One-Hundred-Ninth Revised Page No. 50  
Canceling One-Hundred-Eighth Revised Page No. 50

B. COMMODITY CHARGES FOR SALES AND FOR TRANSPORTATION SERVICE

1. Commodity Charge for Sales Service

The monthly Commodity Charge for Sales Service shall be the product of multiplying the rate per Mcf, determined as provided below, by the volume of gas sold to the Customer by the Company during the applicable billing cycle.

The rate per Mcf shall be determined as follows and shall be \$3.8678 (I)  
per Mcf, subject to revision as provided below:

The current components of the rate are as follows:

Purchased Gas Commodity		
Costs, set forth in Rider "A"	\$3.3112/Mcf	(I)
Non Gas Costs	\$0.5566/Mcf	

a. Determination of Rate per Mcf

The rate per Mcf shall be the sum of:

1. The net amount per Mcf for recovery of the commodity component of purchased gas costs and for recovery or refund of "E" factor amounts, the "PGCC", as determined in Rider "A" - Section 1307(f) Purchased Gas Costs of this tariff;  
plus
2. The amount of \$0.5566 per Mcf for recovery of non-gas costs.

Each time there is a change in the provision for recovery of purchased gas costs pursuant to Rider "A" of this tariff, a recomputation shall be made of the commodity component of purchased gas costs (Item 1, above) and the rate per Mcf shall be changed accordingly. The component included in the rate for recovery of non-gas costs shall remain constant until changed in accordance with a procedure, other than a proceeding pursuant to Section 1307(f) of the Public Utility Code, 66 Pa.C.S. Section 1307(f).

2. Commodity Charge for Transportation Service

The monthly Commodity Charge for Transportation Service shall be the product of multiplying the rate per Mcf, determined as provided below, by the volume of gas transported by the Company to the Customer's load balancing facilities.

The rate per Mcf for transportation of gas under this rate schedule (I)  
shall be \$1.1366 per Mcf, which includes \$0.5566 for recovery of non-gas costs  
and \$0.5800 for recovery of purchased gas.

(I)

(D) Indicates Decrease

(I) Indicates Increase

NATIONAL FUEL GAS  
DISTRIBUTION CORPORATION

Supplement No. 269 to  
Gas - Pa. P.U.C. No. 9  
One-Hundred-Fourteenth Revised Page No. 53  
Canceling One-Hundred-Thirteenth Revised Page No. 53

## SVIS

## Small Volume Industrial Service Rate Schedule (Cont'd)

## MONTHLY RATE

Basic Service Charge			
\$82.00	per Month		
Distribution Charges			
25.147¢	per 100 cubic feet		(I)
Gas Adjustment Charge			
(0.479)¢	per 100 cubic feet	Purchased Gas Cost Component (Rider A)	(I)
<u>(0.002)¢</u>	per 100 cubic feet	Merchant Function Charge (Rider G)	(I)
(0.481)¢	per 100 cubic feet	Total Gas Adjustment Charge	(I)
Natural Gas Supply Charge			
55.335¢	per 100 cubic feet	Purchased Gas Cost Component (Rider A)	(I)
0.188¢	per 100 cubic feet	Merchant Function Charge (Rider G)	(I)
<u>1.149¢</u>	per 100 cubic feet	Gas Procurement Charge (Rider H)	
56.672¢	per 100 cubic feet	Total Natural Gas Supply Charge	(I)

The Natural Gas Supply Charge shall include a Merchant Function Charge (Rider G) to recover uncollectible costs associated with purchase gas costs of 0.3398% and the Gas Procurement Charge (Rider H) to recover costs of procuring natural gas pursuant to 52 Pa. Code §62.223.

The above non-purchased gas cost rates shall be subject to surcharges in accordance with the provisions of Rider B - State Tax Adjustment Surcharge.

## APPLICATION PERIOD

The Application Period shall be the twelve months beginning March 1 of each year.

## RULES AND REGULATIONS

The Rules and Regulations set forth in this tariff shall govern, where applicable, the supply of gas service under this rate schedule.

(D) Indicates Decrease

(I) Indicates Increase

Issued: January 31, 2024

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NATIONAL FUEL GAS  
DISTRIBUTION CORPORATION

Supplement No. 269 to  
Gas - Pa. P.U.C. No. 9

One-Hundred-Fourteenth Revised Page No. 55  
Canceling One-Hundred-Thirteenth Revised Page No. 55

## IVIS

INTERMEDIATE VOLUME INDUSTRIAL SERVICE RATE SCHEDULE (Cont'd)  
MONTHLY RATE

Basic Service Charge			
	\$252.00	per Month	
Distribution Charges			
	17.772¢	per 100 cubic feet	(I)
Gas Adjustment Charge			
	(0.479)¢	per 100 cubic feet	Purchased Gas Cost Component (I)
			(Rider A)
	<u>(0.002)¢</u>	per 100 cubic feet	Merchant Function Charge (I)
			(Rider G)
	(0.481)¢	per 100 cubic feet	Total Gas Adjustment Charge (I)
Natural Gas Supply Charge			
	55.335¢	per 100 cubic feet	Purchased Gas Cost Component (I)
			(Rider A)
	0.188¢	per 100 cubic feet	Merchant Function Charge (I)
			(Rider G)
	<u>1.149¢</u>	per 100 cubic feet	Gas Procurement Charge (Rider H)
	56.672¢	per 100 cubic feet	Total Natural Gas Supply Charge (I)

The Natural Gas Supply Charge shall include a Merchant Function Charge (Rider G) to recover uncollectible costs associated with purchase gas costs of 0.3398% and the Gas Procurement Charge (Rider H) to recover costs of procuring natural gas pursuant to 52 Pa. Code §62.223.

The above non-purchased gas cost rates shall be subject to surcharges in accordance with the provisions of Rider B - State Tax Adjustment Surcharge as set forth in this tariff.

## APPLICATION PERIOD

The Application Period shall be the twelve months beginning March 1 of each year.

## RULES AND REGULATIONS

(D) Indicates Decrease

(I) Indicates Increase

Industrial and Large Industrial customers, during the Company peak Sales Month defined in Rate Schedule CPA-LBS and (b) the volumes of service (expressed in Mcf) to all customers under the "Monthly Volume" provisions of Rate Schedule SB, during the Company Peak Sales Month defined in Rate Schedule CPA-LBS.

3. The amount determined in Item 1 above shall be divided by the amount determined in Item 2 above to determine the amount included in the rate for recovery of purchased gas costs.
4. The rate per Gas BDU shall be the amount for purchased gas demand costs (Item 3).

The current rate per Gas BDU is as follows:

Purchased Gas Demand Cost	\$1.2315/BDU	(I)
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Each time there is a change in the provision for recovery of purchased gas costs pursuant to Rider "A" of this tariff, a recomputation shall be made, under Items 1, 2 and 3, above, of the component to be included in the rate for purchased gas demand costs and the rate per Gas BDU shall be changed accordingly.

b. Determination of Customer's Gas BDUs

The Customer's Gas BDUs shall be determined as follows: The actual volumes of gas purchased by the Customer from the Company and used by the Customer in the separately-metered load balancing facilities during such Customer's Peak billing Cycle, as defined hereinafter, shall be multiplied by a fraction. The numerator shall be the number 30. The denominator shall be the number of days of service for which such Customer was billed in such Customer's Peak Billing Cycle.

The Customer's Peak Billing Cycle shall be the single billing cycle of maximum delivery to the Customer's separately-metered load balancing facilities that ended during one of the months of December, January, February and March during the period beginning with the most recently-completed billing cycle ended in December and ending with the current billing cycle.

If the customer used no gas under this rate schedule during the most recently concluded billing cycles ended in December, January, February or March, then the level of Gas BDUs applicable to Customer shall be zero (0).

(D) Indicates Decrease

(I) Indicates Increase

2. Margin Demand Charge

a. The rate per Margin BDU shall be \$.5122 per Margin BDU.

b. Determination of Customer's Margin BDUs

The Customer's Margin BDUs shall be determined as follows: The actual deliveries of gas to the Customer by Company, including not only volumes of gas purchased by the Customer from the Company and used by the Customer in the separately-metered load balancing facilities but also volumes of Customer-owned gas transported to the Customer's load balancing facilities through the Company's facilities, during such Customer's Peak billing Cycle, as defined hereinafter, shall be multiplied by a fraction. The numerator shall be the number 30. The denominator shall be the number of days of service for which such Customer was billed in such Customer's Peak Billing Cycle.

The Customer's Peak Billing Cycle shall be the single billing cycle of maximum delivery to the Customer's separately-metered load balancing facilities that ended during one of the months of December, January, February and March during the period beginning with the most recently-completed billing cycle ended in December and ending with the current billing cycle.

If the customer used no gas under this rate schedule during the most recently concluded billing cycles ended in December, January, February or March, then the level of Margin BDUs applicable to Customer shall be zero (0).

B. COMMODITY CHARGES FOR SALES AND FOR TRANSPORTATION SERVICE

1. Commodity Charge for Sales Service

The monthly Commodity Charge for Sales Service shall be the product of multiplying the rate per Mcf, determined as provided below, by the volume of gas sold to the Customer by the Company during the applicable billing cycle.

The rate per Mcf shall be determined as follows and shall be \$3.6920 per Mcf, subject to revision as provided below: (I)

The current components of the rate are as follows:

Purchased Gas Commodity		
Costs, set forth in Rider "A"	\$3.3112/Mcf	(I)
Non Gas Costs	\$0.3808/Mcf	

a. Determination of Rate per Mcf

The rate per Mcf shall be the sum of:

1. The net amount per Mcf for recovery of the commodity component of purchased gas costs and for recovery or refund of "E" factor amounts, the "PGCC", as determined in Rider "A" - Section 1307(f) Purchased Gas Costs of this tariff; plus

(D) Indicates Decrease

(I) Indicates Increase

2. The amount of \$0.3808 per Mcf for recovery of non-gas costs.

Each time there is a change in the provision for recovery of purchased gas costs pursuant to Rider "A" of this tariff, a recomputation shall be made of the commodity component of purchased gas costs (Item 1, above) and the rate per Mcf shall be changed accordingly. The component included in the rate for recovery of non-gas costs shall remain constant until changed in accordance with a procedure, other than a proceeding pursuant to Section 1307(f) of the Public Utility Code, 66 Pa.C.S. Section 1307(f).

2. Commodity Charge for Transportation Service

The monthly Commodity Charge for Transportation Service shall be the product of multiplying the rate per Mcf, determined as provided below, by the volume of gas transported by the Company to the Customer's load balancing facilities.

The rate per Mcf for transportation of gas under this rate schedule shall be \$0.9608 per Mcf, which includes \$0.3808 for recovery of non-gas costs and \$0.5800 for recovery of purchased gas. (I)

V. SURCHARGE

The non-purchased gas cost Demand Charges and the non-purchased gas cost Commodity Charge for Sales Service and the non-purchased gas cost Commodity Charge for Transportation Service shall be subject to surcharges in accordance with provisions of Rider B - State Tax Adjustment Surcharge.

VI. AMOUNTS TO BE INCLUDED IN OVER/UNDERCOLLECTION OF GAS COSTS

Purchased gas cost revenues billed under this rate schedule shall be included as revenues for recovery of gas costs for purposes of computing Factor "E" of Company's 1307(f) rate in accordance with procedures set forth in Rider "A" - Section 1307(f) Purchased Gas Costs.

VII. SPECIAL PROVISIONS

Monthly metered Special Provisions A through J contained in the Company's Rate Schedule for Transportation Service shall apply to transportation service under this rate schedule.

VIII. RULES AND REGULATIONS

The rules and regulations set forth in this tariff shall govern, where applicable, the supply of gas service under this rate schedule.

(D) Indicates Decrease

(I) Indicates Increase

LVIS

Large Volume Industrial Service (Cont'd)

- C. An Industrial Customer, for which the Company estimates that the total volumes of gas purchased from the Company or transported by the Company during the next succeeding twelve months will be not less than 50,000 Mcf, if the Industrial Customer has used total volumes of gas in at least one billing month of not less than 4,167 Mcf, even if the Customer disagrees with the Company's estimate.
  
- D. An Industrial Customer for which the Company estimates that total volumes of gas to be used by the customer during the next succeeding twelve months will not be less than 50,000 Mcf of gas per year whether the gas is purchased by the Industrial Customer from the Company, delivered by the Company to the Industrial Customer, or obtained by the customer from another source.

An Industrial Customer that meets the above criteria under this rate schedule at the beginning of an Application Period is required to continue to be subject to this rate schedule during all months of such Application Period. An Industrial Customer that meets the above criteria under this rate schedule during an Application Period is required to continue to be subject to this rate schedule during all or remaining months of such Application Period.

MONTHLY RATE

Basic Service Charge			
\$1,023.00	per Month		
Distribution Charges			
14.668¢	per 100 cubic feet		(I)
Gas Adjustment Charge			
(0.479)¢	per 100 cubic feet	Purchased Gas Cost Component (Rider A)	(I)
<u>(0.002)¢</u>	per 100 cubic feet	Merchant Function Charge (Rider G)	(I)
(0.481)¢	Per 100 cubic feet	Total Gas Adjustment Charge	(I)

(D) Indicates Decrease

(I) Indicates Increase

NATIONAL FUEL GAS  
DISTRIBUTION CORPORATION

Supplement No. 269 to  
Gas - Pa. P.U.C. No. 9  
Sixty-Eighth Revised Page No. 66  
Canceling Sixty-Seventh Revised Page No. 66

LVIS  
Large Volume Industrial Service (Cont'd)

Natural Gas Supply Charge				
55.335¢	per 100 cubic feet	Purchased Gas Cost Component	(I)	
		(Rider A)		
0.188¢	per 100 cubic feet	Merchant Function Charge	(I)	
		(Rider G)		
<u>1.149¢</u>	per 100 cubic feet	Gas Procurement		
		Charge (Rider H)		
56.672¢	per 100 cubic feet	Total Natural Gas Supply	(I)	
	Charge			

The Natural Gas Supply Charge shall include a Merchant Function Charge (Rider G) to recover uncollectible costs associated with purchase gas costs of 0.3398% and the Gas Procurement Charge (Rider H) to recover costs of procuring natural gas pursuant to 52 Pa. Code §62.223.

The above non-purchased gas cost rates shall be subject to surcharges in accordance with provisions of Rider B - State Tax Adjustment Surcharge.

RULES AND REGULATIONS

The Rules and Regulations set forth in this tariff shall govern, where applicable, the supply of gas service under this rate schedule.

APPLICABLE PERIOD

The Application Period shall be the twelve months beginning March 1 of each year.

(D) Indicates Decrease

(I) Indicates Increase

Commercial and Public Authority, Small Volume Industrial, Intermediate Volume Industrial, Large Volume Industrial and Large Industrial customers, during the Company Peak Sales Month defined in Rate Schedule CPA-LBS and (b) the volume of service (expressed in Mcf) to all customers under the "Monthly Volume" provisions of Rate Schedule SB, during the Company Peak Sales Month defined in Rate Schedule CPA-LBS.

3. The amount determined in Item 1 above shall be divided by the amount determined in Item 2 above to determine the amount included in the rate for recovery of purchased gas costs.
4. The rate per Gas BDU shall be the amount for purchased gas demand costs (Item 3).

The current rate per Gas BDU is as follows:

Purchased Gas Demand Cost	\$1.2315/BDU	(I)
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Each time there is a change in the provision for recovery of purchased gas costs pursuant to Rider "A" of this tariff, a recomputation shall be made, under Items 1, 2 and 3, above, of the component to be included in the rate for purchased gas demand costs and the rate per Gas BDU shall be changed accordingly.

b. Determination of Customer's Gas BDUs

The Customer's Gas BDUs shall be determined as follows: The actual volumes of gas purchased by the Customer from the Company and used by the Customer in the separately-metered qualifying load balancing facilities during such Customer's Peak billing Cycle, as defined hereinafter, shall be multiplied by a fraction. The numerator shall be the number 30. The denominator shall be the number of days of service for which such Customer was billed in such Customer's Peak Billing Cycle.

The Customer's Peak Billing Cycle shall be the single billing cycle of maximum delivery to the Customer's separately-metered qualifying load balancing facilities that ended during on of the months of December, January, February and March during the period beginning with the most recently-completed billing cycle and ending with the current billing cycle.

If the customer used no gas under this rate schedule during the most recently concluded billing cycles ended in December, January, February or March, then the level of Gas BDUs applicable to Customer shall be zero (0).

(D) Indicates Decrease

(I) Indicates Increase

2. Margin Demand Charge

a. The rate per Margin BDU shall be \$.3182 per Margin BDU.

b. Determination of Customer's Margin BDUs

The Customer's Margin BDUs shall be determined as follows: The actual deliveries of gas to the Customer by Company, including not only volumes of gas purchased by the Customer from the Company and used by the Customer in the separately-metered load balancing facilities but also volumes of Customer-owned gas transported to the Customer's load balancing facilities through the Company's facilities, during such Customer's Peak billing Cycle, as defined hereinafter, shall be multiplied by a fraction. The numerator shall be the number 30. The denominator shall be the number of days of service for which such Customer was billed in such Customer's Peak Billing Cycle.

The Customer's Peak Billing Cycle shall be the single billing cycle of maximum delivery to the Customer's separately-metered load balancing facilities that ended during one of the months of December, January, February and March during the period beginning with the most recently-completed billing cycle ended in December and ending with the current billing cycle.

If the customer used no gas under this rate schedule during the most recently concluded billing cycles ended in December, January, February or March, then the level of Margin BDUs applicable to Customer shall be zero (0).

B. COMMODITY CHARGES FOR SALES AND FOR TRANSPORTATION SERVICE

1. Commodity Charge for Sales Service

The monthly Commodity Charge for Sales Service shall be the product of multiplying the rate per Mcf, determined as provided below, by the volume of gas sold to the Customer by the Company during the applicable billing cycle.

The rate per Mcf shall be determined as follows and shall be \$3.5585 per (I) Mcf, subject to revision as provided below:

The current components of the rate are as follows:

Purchased Gas Commodity		
Costs, set forth in Rider "A"	\$3.3112/Mcf	(I)
Non Gas Costs	\$0.2473/Mcf	

a. Determination of Rate per Mcf

The rate per Mcf shall be the sum of:

1. The net amount per Mcf for recovery of the commodity component of purchased gas costs and for recovery or refund of "E" factor amounts, the "PGCC", as determined in Rider "A" - Section 1307(f) Purchased Gas Costs of this tariff; plus

D) Indicates Decrease

(I) Indicates Increase

NATIONAL FUEL GAS  
DISTRIBUTION CORPORATION

Supplement No. 269 to  
Gas - Pa. P.U.C. No. 9  
Forty-Third Revised Page No. 74  
Canceling Forty-Second Revised Page No.74

2. The amount of \$0.2473 per Mcf for recovery of non-gas costs.

Each time there is a change in the provision for recovery of purchased gas costs pursuant to Rider "A" of this tariff, a recomputation shall be made of the commodity component of purchased gas costs (Item 1, above) and the rate per Mcf shall be changed accordingly. The component included in the rate for recovery of non-gas costs shall remain constant until changed in accordance with a procedure, other than a proceeding pursuant to Section 1307(f) of the Public Utility Code, 66 Pa.C.S. Section 1307(f).

2. Commodity Charge for Transportation Service

The monthly Commodity Charge for Transportation Service shall be the product of multiplying the rate per Mcf, determined as provided below, by the volume of gas transported by the Company to the Customer's load balancing facilities.

The rate per Mcf for transportation of gas under this rate schedule shall be \$0.8273 per Mcf, which includes \$0.2473 for recovery of non-gas costs and \$0.5800 for recovery of purchased gas. (I)

V. SURCHARGE

The non-purchased gas cost Demand Charges and the non-purchased gas cost Commodity Charge for Sales Service and the non-purchased gas cost Commodity Charge for Transportation Service shall be subject to surcharges in accordance with provisions of Rider B - State Tax Adjustment Surcharge as set forth in this tariff.

VI. AMOUNTS TO BE INCLUDED IN OVER/UNDERCOLLECTION OF GAS COSTS

Purchased gas cost revenues billed under this rate schedule shall be included as revenues for recovery of gas costs for purposes of computing Factor "E" of Company's 1307(f) rate in accordance with procedures set forth in Rider "A" - Section 1307(f) Purchased Gas Costs.

VII. SPECIAL PROVISIONS

Monthly metered Special Provisions A through J contained in the Company's Rate Schedule for Transportation Service shall apply to transportation service under this rate schedule.

VIII. RULES AND REGULATIONS

The rules and regulations set forth in this tariff shall govern, where applicable, the supply of gas service under this rate schedule.

(D) Indicates Decrease

(I) Indicates Increase

Issued: January 31, 2024

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LIS

Large Industrial Service (Cont'd)

- C. An Industrial Customer, for which the Company estimates that the total volumes of gas purchased from the Company or transported by the Company during the next succeeding twelve months will be not less than 200,000 Mcf, if the Industrial Customer has used total volumes of gas in at least one billing month of not less than 17,000 Mcf, even if the Customer disagrees with the Company's estimate.

An Industrial Customer that meets the above criteria under this rate schedule at the beginning of an Application Period is required to continue to be subject to this rate schedule during all months of such Application Period. An Industrial Customer that meets the above criteria under this rate schedule during an Application Period is required to continue to be subject to this rate schedule during all or remaining months of such Application Period.

MONTHLY RATE

Basic Service Charge			
	\$1,165.00	per Month	
Distribution Charges			
	10.418¢	per 100 cubic feet	(I)
Gas Adjustment Charge			
	(0.479)¢	per 100 cubic feet	
			Purchased Gas Cost Component (I)
			(Rider A)
	(0.002)¢	per 100 cubic feet	
			Merchant Function Charge (I)
			(Rider G)
	(0.481)¢	per 100 cubic feet	
			Total Gas Adjustment Charge (I)

(D) Indicates Decrease

(I) Indicates Increase

NATIONAL FUEL GAS  
DISTRIBUTION CORPORATION

Supplement No. 269 to  
Gas - Pa. P.U.C. No. 9  
Fifty-Third Revised Page No. 76A  
Canceling Fifty-Second Revised Page No. 76A

LIS  
Large Industrial Service (Cont'd)

Natural Gas Supply Charge			
55.335¢ per 100 cubic feet		Purchased Gas Cost Component (Rider A)	(I)
0.188¢ per 100 cubic feet		Merchant Function Charge (Rider G)	(I)
<u>1.149¢</u> per 100 cubic feet		Gas Procurement Charge (Rider H)	
56.672¢ per 100 cubic feet		Total Natural Gas Supply Charge	(I)

The Natural Gas Supply Charge shall include a Merchant Function Charge (Rider G) to recover uncollectible costs associated with purchase gas costs of 0.3398% and the Gas Procurement Charge (Rider H) to recover costs of procuring natural gas pursuant to 52 Pa. Code §62.223.

The above non-purchased gas cost rates shall be subject to surcharges in accordance with provisions of Rider B - State Tax Adjustment Surcharge.

GAS SHORTAGE CURTAILMENT

Service under this schedule to an LIS Industrial Customer is subject to curtailment and excess consumption penalty as set forth in Rule 26 of this tariff.

RULES AND REGULATIONS

The rules and regulations set forth in this tariff shall govern, where applicable, the supply of gas service under this rate schedule.

(D) Indicates Decrease

(I) Indicates Increase

Issued: January 31, 2024

Effective: August 1, 2024

LBS and (b) volume of service (expressed in Mcf) to all customers under the "Monthly Volume" provisions of Rate Schedule SB, during the Company Peak Sales Month defined in Rate Schedule CPA-LBS.

3. The amount determined in Item 1 above shall be divided by the amount determined in Item 2 above to determine the amount included in the rate for recovery of purchased gas costs.
4. The rate per Gas BDU shall be the amount for purchased gas demand costs (Item 3).

The current rate per Gas BDU is as follows:

Purchased Gas Demand Cost	\$1.2315/BDU	(I)
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Each time there is a change in the provision for recovery of purchased gas costs pursuant to Rider "A" of this tariff, a recomputation shall be made, under Items 1, 2 and 3, above, of the component to be included in the rate for purchased gas demand costs and the rate per Gas BDU shall be changed accordingly.

b. Determination of Customer's Gas BDUs

The Customer's Gas BDUs shall be determined as follows: The actual volumes of gas purchased by the Customer from the Company and used by the Customer in the separately-metered load balancing facilities during such Customer's Peak billing Cycle, as defined hereinafter, shall be multiplied by a fraction. The numerator shall be the number 30. The denominator shall be the number of days of service for which such Customer was billed in such Customer's Peak Billing Cycle.

The Customer's Peak Billing Cycle shall be the single billing cycle of maximum delivery to the Customer's separately-metered load balancing facilities that ended during one of the months of December, January, February and March during the period beginning with the most recently-completed billing cycle ended in December and ending with the current billing cycle.

If the customer used no gas under this rate schedule during the most recently concluded billing cycles ended in December, January, February or March, then the level of Gas BDUs applicable to Customer shall be zero (0).

(D) Indicates Decrease

(I) Indicates Increase

2. Margin Demand Charge

a. The rate per Margin BDU shall be \$.2517 per Margin BDU.

b. Determination of Customer's Margin BDUs

The Customer's Margin BDUs shall be determined as follows: The actual deliveries of gas to the Customer by Company, including not only volumes of gas purchased by the Customer from the Company and used by the Customer in the separately-metered load balancing facilities but also volumes of Customer-owned gas transported to the Customer's load balancing facilities through the Company's facilities, during such Customer's Peak billing Cycle, as defined hereinafter, shall be multiplied by a fraction. The numerator shall be the number 30. The denominator shall be the number of days of service for which such Customer was billed in such Customer's Peak Billing Cycle.

The Customer's Peak Billing Cycle shall be the single billing cycle of maximum delivery to the Customer's separately-metered load balancing facilities that ended during one of the months of December, January, February and March during the period beginning with the most recently-completed billing cycle ended in December and ending with the current billing cycle.

If the customer used no gas under this rate schedule during the most recently concluded billing cycles ended in December, January, February or March, then the level of Margin BDUs applicable to Customer shall be zero (0).

B. COMMODITY CHARGES FOR SALES AND FOR TRANSPORTATION SERVICE

1. Commodity Charge for Sales Service

The monthly Commodity Charge for Sales Service shall be the product of multiplying the rate per Mcf, determined as provided below, by the volume of gas sold to the Customer by the Company during the applicable billing cycle.

The rate per Mcf shall be determined as follows and shall be \$3.5036 per (I) Mcf, subject to revision as provided below:

The current components of the rate are as follows:

Purchased Gas Commodity		
Costs, set forth in Rider "A"	\$3.3112/Mcf	(I)
Non Gas Costs	\$0.1924/Mcf	

a. Determination of Rate per Mcf

The rate per Mcf shall be the sum of:

(D) Indicates Decrease

(I) Indicates Increase

1. The net amount per Mcf for recovery of the commodity component of purchased gas costs and for recovery or refund of "E" factor amounts, the "PGCC", as determined in Rider "A" - Section 1307(f) Purchased Gas Costs of this tariff; plus

2. The amount of \$.1924 per Mcf for recovery of non-gas costs.

Each time there is a change in the provision for recovery of purchased gas costs pursuant to Rider "A" of this tariff, a recomputation shall be made of the commodity component of purchased gas costs (Item 1, above) and the rate per Mcf shall be changed accordingly. The component included in the rate for recovery of non-gas costs shall remain constant until changed in accordance with a procedure, other than a proceeding pursuant to Section 1307(f) of the Public Utility Code, 66 Pa.C.S. Section 1307(f).

## 2. Commodity Charge for Transportation Service

The monthly Commodity Charge for Transportation Service shall be the product of multiplying the rate per Mcf, determined as provided below, by the volume of gas transported by the Company to the Customer's load balancing facilities.

The rate per Mcf for transportation of gas under this rate schedule shall be \$0.7724 per Mcf, which includes \$0.1924 for recovery of non-gas costs and \$0.5800 for recovery of purchased gas. (I)

## V. SURCHARGE (I)

The non-purchased gas cost Demand Charges and the non-purchased gas cost Commodity Charge for Sales Service and the non-purchased gas cost Commodity Charge for Transportation Service shall be subject to surcharges in accordance with provisions of Rider B - State Tax Adjustment Surcharge as set forth in this tariff.

## VI. AMOUNTS TO BE INCLUDED IN OVER/UNDERCOLLECTION OF GAS COSTS

Purchased gas cost revenues billed under this rate schedule shall be included as revenues for recovery of gas costs for purposes of computing Factor "E" of Company's 1307(f) rate in accordance with procedures set forth in Rider "A" - Section 1307(f) Purchased Gas Costs.

## VII. SPECIAL PROVISIONS

Monthly metered Special Provisions A through J contained in the Company's Rate Schedule for Transportation Service shall apply to transportation service under this rate schedule.

## VIII. RULES AND REGULATIONS

The rules and regulations set forth in this tariff shall govern, where applicable, the supply of gas service under this rate schedule.

(D) Indicates Decrease

(I) Indicates Increase

## RATE SCHEDULE - NGV

## NATURAL GAS VEHICLE SERVICE

## I. APPLICABILITY

Throughout the territory served under this tariff.

## II. AVAILABILITY

Sales Service under this rate schedule is available for use of natural gas by a customer directly in a natural gas motor vehicle ("NGV").

## III. NATURE OF SERVICE

Service provided in this rate schedule shall be firm service subject to the curtailment priorities of Rule 26. For curtailment purposes, service under this rate schedule shall be defined as curtailment priority number (6), firm large noncritical commercial and industrial requirements other than requirement for boiler fuel use.

## IV. RATE

Rates per 100 cu. Ft. shall be established by the Company on the first day of each calendar month for each of the categories set forth below to compete with alternative vehicle fuels. The rates shall not be less than the 100% load factor base cost of gas, plus the take-or-pay surcharge, plus the surcharge for Transition Cost, plus the incremental operating cost incurred by the Company for operating Company owned NGV compression equipment on a per Ccf basis, if any, plus \$0.01 per cu. ft., plus the state tax adjustment surcharge, and not more than the tailblock rate of the Commercial and Public Authority Service Rate Schedule, including all applicable surcharges, plus the incremental operating cost incurred by the Company for operating Company owned NGV compression equipment on a per Ccf basis, if any.

The 100% load factor base cost of gas shall be \$0.26631 per 100 cu. ft. (I)  
(as calculated by adding the purchase gas components of the Load Balancing Service Rates).

Purchased Gas 100% Load Factor Demand Cost	\$0.12315/Ccf	(I)
plus Purchased Gas Commodity Cost	<u>\$0.33112/Ccf</u>	(I)
Equals 100% Load Factor Base Cost of Gas	\$0.45427/Ccf	(I)

The incremental operating cost for compression shall be \$0.13436/Ccf.

(D) Indicates Decrease

(I) Indicates Increase

NATIONAL FUEL GAS  
DISTRIBUTION CORPORATION

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Natural gas vehicle customers are classified into the following categories:

NGV(1) All natural gas vehicle customers utilizing Company owned filling facilities. A uniform rate shall be established each month within the parameters set forth above, for customers utilizing Company-owned filling facilities.

The minimum NGV(1) rate shall be: \$0.59863/Ccf (I)

The current components of the minimum NGV(1) rate are as follows:

100% load factor base cost of gas:	\$0.45427/Ccf	(I)
Incremental operating cost of Company owned NGV compression equipment:	\$0.13436/Ccf	
Transition Cost Surcharge	\$0.00000/Ccf	
State Tax Adjustment Surcharge	\$0.00000/Ccf	
Minimum allowable Non-Gas cost	\$0.01000/Ccf	

The maximum NGV(1) rate shall be: \$0.90674/Ccf (I)

The current components of the maximum NGV(1) rate are as follows:

Tailblock rate of the Commercial and Public Authority Service Rate schedule:	\$0.77238/Ccf	(I)
Incremental operating cost of Company owned NGV compression equipment:	\$0.13436/Ccf	
State Tax Adjustment Surcharge	\$0.00000/Ccf	

NGV(2) Natural gas vehicle customers utilizing customer owned filling facilities. A uniform rate will be established each month within the parameters set forth above, to customers utilizing customer owned filling facilities.

The minimum NGV(2) rate shall be: \$0.46427/Ccf (I)

The current components of the minimum NGV(2) rate are as follows:

100% load factor base cost of gas:	\$0.45427/Ccf	(I)
Transition Cost Surcharge	\$0.00000/Ccf	
State Tax Adjustment Surcharge	\$0.00000/Ccf	
Minimum allowable Non-Gas cost	\$0.01000/Ccf	

The maximum NGV(2) rate shall be: \$0.77238/Ccf (I)

(D) Indicates Decrease

(I) Indicates Increase

NATIONAL FUEL GAS  
DISTRIBUTION CORPORATION

Supplement No. 269 to  
Gas - Pa. P.U.C. No. 9

One-Hundred-Twentieth Revised Page No. 84  
Canceling One-Hundred-Nineteenth Revised Page No. 84

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The current components of the maximum NGV(2) rate are as follows:

Tailblock rate of the Commercial and Public Authority Service Rate schedule:	\$0.77238 /Ccf	(I)
State Tax Adjustment Surcharge	\$0.00000/Ccf	

V. SURCHARGE

All non-purchased gas cost charges under this rate schedule will be subject to surcharges in accordance with provisions of Rider B - State Tax Adjustment Surcharge as set forth in this tariff.

VI. AMOUNTS TO BE INCLUDED IN OVER/UNDERCOLLECTION OF GAS COSTS

Purchased gas cost revenues billed under this rate schedule shall be included as revenues for recovery of gas costs for purposes of computing Factor "E" of Company's 1307(f) rate in accordance with procedures set forth in Rider "A" - section 1307(f) Purchased Gas Costs. Purchased gas cost revenues recovered under this rate schedule shall be the 100% load factor base cost of gas as defined above.

VII. RULES AND REGULATIONS

The rules and regulations set forth in this tariff shall govern, where applicable, the supply of gas service under this rate schedule.

(D) Indicates Decrease

(I) Indicates Increase

Issued: January 31, 2024

Effective: August 1, 2024

## RATE SCHEDULE PSB

## PRIORITY STANDBY SERVICE

## APPLICABILITY

Throughout the territory served under this tariff.

## AVAILABILITY OF SERVICE

Service under this rate schedule is available to all customers under the Residential, Commercial and Public Authority, and SVIS Rate Schedules which enter into a contract for service under this Rate Schedule. A customer will be permitted to enter into a contract, prepared by the Company, for service under this rate schedule, however, only if the Company projects that sufficient volumes of gas will be available to the Company during the period of the customer's contract for Priority Standby Service.

Service under this rate schedule is mandatory for all customers categorized as Priority 1 under the curtailment priorities of Rule 26 who enter into contracts with the Company to receive Transportation Service and who do not have dual or alternate fuel equipment on site which is installed and operable with sufficient amounts of alternate fuel available on site during each winter period of each year commencing on December 1 and ending on March 31 of the following year. Service under this rate schedule is voluntary for all other customers.

## NATURE OF SERVICE

Priority standby service shall permit the customer to purchase gas on a firm basis subject to curtailment priorities of Rule 26. The Company will take all reasonable steps to obtain or to maintain gas supplies sufficient to enable the Company to provide reasonably continuous service to each Customer receiving Priority Standby Service.

## MONTHLY RATE

The monthly rate shall be \$1.3432 per Mcf, which shall be applied to the total monthly volumes transported by the customer during the month. (I)

The rate shall equal the PGDC portion of the commodity rate applicable to the corresponding sales rate classification.

(D) Indicates Decrease

(I) Indicates Increase

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MONTHLY RATE

The monthly rate shall be \$0.6326 per Mcf, which shall be applied to the (I) Monthly Volume, as defined below.

MONTHLY VOLUME

The Mcf volume of gas to which the Monthly Rate set forth above shall be applied, shall be determined for each billing cycle, as set forth below;

1. The volume of gas specified in the Service Agreement under this rate schedule shall be adjusted for each billing cycle by, multiplying such volume, expressed in Mcf, by a fraction. The numerator of the fraction shall be the number of days in the billing cycle applicable to the customer and the denominator shall be thirty (30).
2. If the volume determined under item 1, above, is greater than the sum of the Mcf volume of gas purchased by the customer under rate schedules other than load balancing rate schedules during the billing cycle, the Monthly Rate shall be applied to the difference between: (a) the volume determined under item 1, above, and (b) the Mcf volume of gas purchased by the customer under the rate schedules other than load balancing rate schedules during such billing cycle.
3. If the volume determined under item 1, above, is equal to or less than the Mcf volume of gas purchased by the customer under rate schedules other than load balancing rate schedules during the billing cycle, then the Monthly Volume shall be zero (0) Mcf.

(D) Indicates Decrease

(I) Indicates Increase

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DISTRIBUTION CORPORATION

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RATE SCHEDULE FOR MONTHLY METERED TRANSPORTATION SCHEDULE (cont'd)

MONTHLY RATES

Commodity Rates

The commodity rates set forth below contain a component, presently \$0.5800 per Mcf, for recovery of purchased gas costs.

For transportation of gas to Residential Customers, the monthly rate for transportation of gas both within and outside the Commonwealth of Pennsylvania shall be:

\$3.5411 Mcf (I)

For transportation of gas to Commercial and Public Authority Customers, the monthly rate for transportation of gas produced within the Commonwealth of Pennsylvania shall be:

\$2.8794 per Mcf for Small Commercial/Public Authority using not more than 250 Mcf per year (I)

\$2.6355 per Mcf for Small Commercial/Public Authority using greater than 250 Mcf but not more than 1,000 Mcf per year (I)

\$2.2422 per Mcf for Large Commercial/Public Authority (I)

For transportation of gas to Commercial and Public Authority Customers, the monthly rate for transportation of gas produced outside the Commonwealth of Pennsylvania shall be:

\$2.8794 per Mcf for Small Commercial/Public Authority using not more than 250 Mcf per year (I)

\$2.6355 per Mcf for Small Commercial/Public Authority using greater than 250 Mcf but not more than 1,000 Mcf per year (I)

\$2.2422 per Mcf for Large Commercial/Public Authority (I)

For transportation of gas to Small Volume Industrial Customers, the monthly rate for transportation of gas produced within the Commonwealth of Pennsylvania shall be:

\$2.6522 per Mcf for SVIS Customers (I)

For transportation of gas to Small Volume Industrial Customers, the monthly rate for transportation of gas produced outside the Commonwealth of Pennsylvania shall be:

\$2.6522 per Mcf for SVIS Customers (I)

(D) Indicates Decrease

(I) Indicates Increase

## RATE SCHEDULE FOR MONTHLY METERED TRANSPORTATION SCHEDULE (cont'd)

For transportation of gas to Intermediate Volume Industrial Customers, the monthly rate for transportation of gas produced within the Commonwealth of Pennsylvania shall be:  
\$1.9147 per Mcf for IVIS Customers (I)

For transportation of gas to Intermediate Volume Industrial Customers, the monthly rate for transportation of gas produced outside the Commonwealth of Pennsylvania shall be:  
\$1.9147 per Mcf for IVIS Customers (I)

For transportation of gas to Large Volume Industrial Customers and any entity that is not a Gas Service Customer, the monthly rate for transportation of gas produced within the Commonwealth of Pennsylvania shall be:  
\$1.6043 per Mcf (I)

For transportation of gas to Large Volume Industrial Customers and any entity that is not a Gas Service Customer, the monthly rate for transportation of gas produced outside the Commonwealth of Pennsylvania shall be:  
\$1.6043 per Mcf (I)

For transportation of gas to Large Industrial Customers, the monthly rate for transportation of gas produced within the Commonwealth of Pennsylvania shall be:  
\$1.1793 per Mcf (I)

For transportation of gas to Large Industrial Customers, the monthly rate for transportation of gas produced outside the Commonwealth of Pennsylvania shall be:  
\$1.1793 per Mcf (I)

Provided, however, that the Company, in its sole discretion, may reduce by contract the portion of the above rates applicable to the Customer that are for recovery of gas or the portion of the rate for recovery of non-gas costs of service if it is reasonably necessary to do so to meet competition from another supplier of energy including gas from another supplier of gas that has constructed, or could construct, facilities to deliver supplies of gas to a MMT Customer of the Company without use of the Company's facilities or another transportation of gas. The Company may also reduce or eliminate the compensation for line losses provided for in Special Provisions paragraph B of this rate schedule in order to meet the competitive circumstances for alternate fuels or bypass situations cited above excluding competition from other Pennsylvania local distribution companies. The Company will reduce the applicable rate only if:

- (a) Either (1) the MMT Customer has facilities in place and operable to use an alternative fuel or obtain gas from an alternative supplier or (2) in the Company's judgment, such facilities would be constructed;

(D) Indicates Decrease

(I) Indicates Increase

NATIONAL FUEL GAS  
DISTRIBUTION CORPORATION

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Canceling One-hundred-Seventh Revised Page No.106

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E. In the event of interruption or curtailment of transportation service, pursuant to items C and D, above, and during such period of interruption or curtailment, the MMT Customer must sell to the Company all or a portion of the MMT Customer's supply of gas at the higher of (1) the Transportation Service Customer's cost of purchased gas at the point of delivery to the Company or (2) the Company's average cost of purchased gas per Mcf, as determined based upon the Company's Section 1307(f) Rate, which is \$5.9879. (I)

F. If for any reason (including the default of an MMNGS Supplier), the MMNGS Supplier fails to provide sufficient daily deliveries of natural gas supplies to meet the MMT Customers DDQ pursuant to the terms of MMNGS supply service, and/or MMT Customer's MMNGS Supplier does not provide complete compensation to the Company for services provided under Rate Schedule MMNGS, Special Provision D.3, the Company shall charge the MMT Customer for the deficient daily deliveries under the applicable gas sales rate schedule plus applicable surcharge as set forth in Rate Schedule SB Special Provisions.

(D) Indicates Decrease

(I) Indicates Increase

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E. In the event of interruption or curtailment of transportation service, pursuant to items C and D, above, and during such period of interruption or curtailment, the DMT Service Customer must sell to the Company all or a portion of the DMT Service Customer's supply of gas at the higher of (1) the Transportation Service Customer's cost of purchased gas at the point of delivery to the Company or (2) the Company's average cost of purchased gas per Mcf, as determined based upon the Company's Section 1307(f) Rate, which is \$5.9879.

(I)

F. If a Gas Service Customer receiving gas transported by the Company uses less than the amount of gas delivered into the Company's system for transportation to such Customer ("excess deliveries"), the Gas Service Customer receiving gas transported by the Company may use such gas during the banking/balancing period defined below, following which the Company shall have the right, but not the obligation, to purchase remaining excess deliveries of gas from the DMT service Customer at a rate equal to the lowest of (1) the cost at which it was acquired by the DMT Service Customer, including pipeline transportation charges, or (2) the Company's average commodity delivered cost of gas to National Fuel Gas Supply Corporation, or (3) the Company's average commodity cost of locally produced gas during the month when excess deliveries were received by the Company. The cost at which the DMT Service Customer acquired the gas will be determined from such Customer's contract with the supplier or by a sworn affidavit setting forth the Customer's cost of gas, including cost of delivery of such gas to the Company's system. Upon request by the Company, the DMT Service Customer will be required to furnish to the Company the DMT service Customer's choice of (1) a copy of this contract or (2) an affidavit. The banking/balancing period shall be the three billing months after the billing month in which the Company received excess deliveries in behalf of the Customer.

G. "Underdeliveries" are volumes of gas taken from the Company by a Gas Service Customer in excess of the sum of (1) any excess deliveries of the customer at the beginning of the day and (2) the volume of gas delivered to the Company for the customer's account, after adjustment for line losses less volumes of volumes of gas determined to be sales by the Company to the customer. Cumulative underdeliveries, as determined each day, in excess of two percent of the volume of gas delivered by the Company to the customer that day, shall be a sale of gas by the Company to the customer under the applicable rate schedule plus applicable surcharges as set forth in Rate Schedule SB Special Provisions and shall not be recharacterized as transportation service under any circumstances. Cumulative underdeliveries of not more than two percent of the volume of gas delivered to a customer by the Company on any day may be offset by volumes of gas delivered to the Company for the customer's account, after adjustment for line losses, in excess of the volume of gas taken by the customer from the Company on subsequent days within the same billing month.

(D) Indicates Decrease

(I) Indicates Increase

NATIONAL FUEL GAS  
DISTRIBUTION CORPORATION

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Sixty-First Revised Page No. 119A  
Canceling Sixtieth Revised Page No. 119A

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RATE SCHEDULE SATC  
SMALL AGGREGATION TRANSPORTATION CUSTOMER SERVICE (Cont'd)

RATES AND CHARGES

A. Customer Transportation Service Rates

The Company will provide transportation services to deliver gas supplies to the SATC Customer(s). The Customer shall be billed the charges for the transportation services rendered for it at the appropriate charges provided herein for which service the SATC Customer qualifies.

The SATC Customer shall pay the following transportation charges for the transportation of gas. The commodity rates set forth below contain a component, presently \$0.04425 per Ccf, for the recovery of purchased gas demand costs and shall be adjusted pursuant to Rider A of the tariff. Such purchased gas costs collected through these rates shall be included as revenues for the recovery of purchased gas costs as specified in Rider A of this tariff. (I)

(D) Indicates Decrease

(I) Indicates Increase

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Issued: January 31, 2024

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RATE SCHEDULE SATC  
SMALL AGGREGATION TRANSPORTATION CUSTOMER SERVICE (Cont.)

## 1. Residential Transportation Rates

SATC Customers that meet the qualifications under the Residential Service Rate Schedule classification:

Rates per Residential SATC Customer per Month:

\$14.00	Basic Service Charge	
\$0.34036	per 100 cubic feet (I)	(I)

## 2. Commercial and Public Authority Transportation Rates

SATC Customers that meet the qualifications under the Commercial and Public Authority Service Rate Schedule classification:

a. Rates per Commercial/Public Authority customer per month for "Small" Commercial/Public Customers using not more than 250,000 cubic feet per year:

\$27.00	Basic Service Charge	
\$0.27419	per 100 cubic feet	(I)

b. Rates per Commercial/Public Authority customer per month for "Small" Commercial/Public Customers using greater than 250,000 cubic feet but not more than 1,000,000 cubic feet per year:

\$37.00	Basic Service Charge	
\$0.24980	per 100 cubic feet	(I)

c. Rates per Commercial/Public Authority customer per month for "Large" Commercial/Public Customers:

\$151.00	Basic Service Charge	
\$0.21047	per 100 cubic feet	(I)

(D) Indicates Decrease

(I) Indicates Increase

RATE SCHEDULE SATC  
SMALL AGGREGATION TRANSPORTATION CUSTOMER SERVICE (Cont.)

## 3. Small Volume Industrial Service Transportation Rates

SATC Customers that meet the qualifications under the Small Volume Industrial Service Rate Schedule classification:

Rates per Small Volume Industrial Service SATC Customer per Month:

\$82.00	Basic Service Charge	
\$0.25147	per 100 cubic feet	(I)

## 4. Intermediate Volume Industrial Service Transportation Rates

SATC Customers that meet the qualifications under the Intermediate Volume Industrial Service Rate Schedule classification:

Rates per Intermediate Volume Industrial Service SATC Customer per Month:

\$252.00	Basic Service Charge	
\$0.17772	per 100 cubic feet	(I)

## B. Miscellaneous Customer Surcharges

1. Residential rate classes shall be subject to surcharges in accordance with Rider F - LIRA Discount Charge as set forth in this tariff.

2. The above non-purchased gas cost SATC rates shall be subject to surcharges in accordance with provisions of Rider B - State Tax Adjustment Surcharge.

(C) Indicates Change

(D) Indicates Decrease

(I) Indicates Increase

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RATE SCHEDULE SATS  
SMALL AGGREGATION TRANSPORTATION SUPPLIER SERVICE (Cont.)

## C. Total Upstream Capacity Requirements for SATS Suppliers

SATS Suppliers shall be required to provide sufficient firm pipeline transportation and storage capacity to meet the estimated extreme day requirements of their SATC Customer groups as further described below. The SATS Suppliers' estimated extreme day requirements of their SATC Customer Group used for Supplier capacity allocations and requirements shall be based on a sixty-two (62) degree day extreme peak day calculation. The Company shall utilize peaking and temperature swing storage capacity retained by the Company and recovered through SATC rates to provide for any variances between actual and forecasted usage and for any peak delivery requirements for days colder than sixty-two (62) degree days.

Such sufficient pipeline transportation and storage capacity shall be provided through the following means:

## 1. Released ESS Storage Capacity and Associated EFT Capacity

## a. Requirements To Be Met Through ESS Storage

55% of extreme peak day requirements shall be provided through the Company's ESS storage and associated EFT transportation capacity on NFGSC. Such NFGSC Storage and transmission capacity shall be released to SATS Suppliers at the maximum rate under the pipeline's FERC gas tariff. (I)

## b. Initial Assignment of ESS Storage Capacity

In a month a SATS Supplier begins to serve SATC customers, it shall be provided with an initial assignment of storage capacity, based on the percentage set forth at C.1.a. above, to meet the Supplier's requirements for the upcoming winter period. Approximately fifteen days prior to the close of nominations for the month, the Company will calculate the quantity of storage capacity released to match the SATS Supplier's winter requirements based on the number of SATC Customers aggregated by the Supplier. If the initial assignment takes place in a month other than April, the Company will transfer storage gas to the Supplier pursuant to C.1.c below. The SATS Supplier shall be responsible for all taxes and pipeline fees associated with moving or transferring the storage gas to the Company.

(D) Indicates Decrease

(I) Indicates Increase

RATE SCHEDULE SATS  
SMALL AGGREGATION TRANSPORTATION SUPPLIER SERVICE (Cont.)

## c. Additional Assignments of ESS Storage Capacity

Approximately fifteen days prior to the close of nominations for each month, the Company will recalculate the quantity of storage capacity released to match the SATS Supplier's revised winter requirements based on the number of SATC Customers aggregated by the Supplier. If additional SATC Customers join a SATS Supplier's SATC Customer Group, the Company will release additional capacity as required, based on the percentage set forth at C.1.a. above. In addition, the SATS Supplier will be required to pay the Company for storage gas transferred and all taxes and pipeline fees associated with moving or transferring the storage gas to the Supplier. The storage gas transfer rate shall be the sum of (1) the higher of the Company's average cost of gas based upon the Company's Section 1307f rate, or the DMI for the first day of month in which gas is transferred plus all transportation costs to the Company's City Gate, plus (2) the demand Transfer Recovery Rate ("DTR Rate"). The DTR rate shall equal the per Mcf System Average Unrecovered Demand Charge revenue beginning in the month of April through the initial month that storage capacity is released to the Supplier. The System Average Unrecovered demand Charge Revenue shall equal the sum of the differences between the average demand charge revenues and the average fixed demand costs beginning the month of April through the initial month that storage capacity is released to the Supplier.

The DTR by month shall be as follows:

Capacity Transfer <u>Month</u>	DTR <u>\$/Mcf</u>	
April	\$0.00	
May	\$0.00	
June	\$0.00	
July	\$0.00	
August	\$0.00	
September	\$0.00	
October	\$0.00	
November	\$0.64	(I)
December	\$1.05	(I)
January	\$0.94	(I)
February	\$0.49	(I)
March	\$0.00	

(D) Indicates Decrease

(I) Indicates Increase

RATE SCHEDULE SATS  
SMALL AGGREGATION TRANSPORTATION SUPPLIER SERVICE (Cont.)2. Released Transmission Capacity Not Included in SATC  
Transportation Rates

45% of extreme peak day requirements is to be provided by the release of pipeline capacity upstream of NFGSC and the release of associated EFT transportation capacity on NFGSC which is not included in transportation rates. All such capacity shall be released to SATS Suppliers, and SATS Suppliers shall take such released capacity, at the maximum rate under the pipeline's FERC gas tariff. The actual pipeline capacity path upstream of NFGSC to be released to the Supplier by the Company shall be designated by the Company from its available capacity. The Company will attempt to accommodate a Supplier's request for particular capacity on a first-come first-serve basis. (D)

As an alternative to the above, the Company may designate an alternative capacity path(s) from its available capacity. The capacity release rate for the pipeline capacity path released to the Supplier shall be \$7.0946/Dth which equals the weighted average demand cost of upstream capacity, however, capacity released on NFGSC will be released at the maximum rate under NFGSC's FERC gas tariff. The Company will post a listing of the alternative capacity path(s) designated, including the associated quantity of capacity, on its web site. (D)

For capacity termination notices, prior to the termination notice date of any capacity contract in this Section C.2., the Company will issue a request for proposals to qualified Suppliers under this tariff to determine if the Company should terminate, renew, or replace such contract, in whole or in part. The Company will terminate a proportionate share of the capacity contract if: (1) Suppliers demonstrate that they will provide comparable firm capacity to serve the Company's core customers, (2) the Suppliers agree to assign such comparable capacity at the contracted price to the Company upon Company request if such capacity is required to meet supply requirements of SATC Customers due to the termination of the SATS Supplier pursuant to Section H.1. or if the Supplier has reduced the level of delivery requirements from the previous periods requirements, and 3) the Commission approves such comparable capacity. Comparable capacity must have firm rights for at least the seven (7) winter months, and such capacity must have primary delivery rights into available primary receipt rights on NFGSC held by the Company. Comparable capacity must have firm capacity rights sufficient in volume and duration (with renewal rights) to serve the customers to be served by the SATS Supplier. The Company will post a listing of capacity contracts, including the associated quantity of capacity, that it determines to be of critical status on its web site.

(D) Indicates Decrease

(I) Indicates Increase

E. In the event of interruption or curtailment of transportation service, pursuant to items C and D, above, and during such period of interruption or curtailment, the DMLMT Service customer must sell to the Company all or a portion of the DMLMT Service Customer's supply of gas at the higher of (1) the Transportation Service Customer's cost of purchased gas at the point of delivery to the Company or (2) the Company's average cost of purchased gas per Mcf, as determined based upon the Company's Section 1307(f) Rate which is \$5.9879.

(I)

F. If a Gas Service Customer receiving gas transported by the Company uses less than the amount of gas delivered into the Company's system for transportation to such Customer ("excess deliveries"), the Gas Service Customer receiving gas transported by the Company may use such gas during the banking/balancing period defined below, following which the Company shall have the right, but not the obligation, to purchase remaining excess deliveries of gas from the DMLMT Service Customer at a rate equal to the lowest of (1) the cost at which it was acquired by the DMLMT Service Customer, including pipeline transportation charges, or (2) the Company's average commodity delivered cost of gas to National Fuel Gas Supply Corporation, or (3) the Company's average commodity cost of locally-produced gas during the month when excess deliveries were received by the Company. The cost at which the DMLMT Service Customer acquired the gas will be determined from such Customer's contract with the supplier or by a sworn affidavit setting forth the Customer's cost of gas, including cost of delivery of such gas to the Company's system. Upon request by the Company, the DMLMT service Customer will be required to furnish to the Company the DMLMT Service Customer's choice of (1) a copy of this contract or (2) an affidavit. The banking/balancing period shall be the three billing months after the billing month in which the Company received excess deliveries in behalf of the Customer.

G. "Underdeliveries" are volumes of gas taken from the Company by a Gas Service Customer in excess of the sum of (1) any excess deliveries of the customer at the beginning of the day and (2) the volume of gas delivered to the Company for the customer's account, after adjustment for line losses less volumes of gas determined to be sales by the Company to the customer. Cumulative underdeliveries, as determined each day, in excess of two percent of the volume of gas delivered by the Company to the customer that day, shall be a sale of gas by the Company to the customer under the applicable rate schedule plus applicable surcharges as set forth in Rate Schedule SB Special Provisions and shall not be recharacterized as transportation service under any circumstances. Cumulative underdeliveries of not more than two percent of the volume of gas delivered to a customer by the Company on any day may be offset by volumes of gas delivered to the Company for the customer's account, after adjustment for line losses, in excess of the volume of gas taken by the customer from the Company on subsequent days within the same billing month.

(D) Indicates Decrease

(I) Indicates Increase

RIDER A  
SECTION 1307(F) PURCHASED GAS COSTS  
PROVISION FOR RECOVERY OF PURCHASED GAS COSTS

Rates for each Mcf (1,000 cubic feet) of gas supplied under Residential, Low Income Residential Assistance Service, Commercial and Public Authority, Commercial and Public Authority Load Balancing Service ("LBS"), Small Volume Industrial, Intermediate Volume Industrial, Intermediate Volume Industrial LBS, Large Industrial, Large Industrial LBS, Large Volume Industrial, Large Volume Industrial LBS and Natural Gas Vehicle Service rate schedules of this tariff, shall include \$3.3112 per Mcf for recovery of purchased gas commodity costs, calculated in the manner set forth below, pursuant to Section 1307(f) of the Public Utility Code. (I)

Rates for each Mcf (1,000 cubic feet) of gas supplied under Residential, Commercial and Public Authority, Small Volume Industrial Service, Intermediate Volume Industrial, Large Volume Industrial Service, Large Industrial Service and Standby Service rate schedules of this tariff, shall include \$2.1744 per Mcf for recovery of purchased gas demand costs, calculated in the manner set forth below, pursuant to Section 1307(f) of the Public Utility Code. (I)

Rates for each Mcf (1,000 cubic feet) of gas transported under the Small Aggregation Transportation Customer Rate Schedule shall include \$0.4425 per Mcf for the recovery of purchased gas demand costs. (I)

Such rates for gas service shall be increased or decreased, from time to time, as provided by Section 1307(f) of the Public Utility Code and the Commission's regulations, to reflect changes in the level of purchased gas costs.

The amounts per Mcf for recovery of purchased gas costs (commodity and demand) included in rates under each rate schedule of the tariff are as follows:

	Distribution		Gas Adjustment	Natural Gas	
	<u>Total</u>	<u>Charges</u>	<u>Charge</u>	<u>Supply Charge</u>	
Residential	\$5.9281	\$0.4425	\$(0.0479)	\$5.5335	(I)
Low Income Residential Assistance Service	\$5.9281	\$0.4425	\$(0.0479)	\$5.5335	(I)
Commercial/Public Authority	\$5.9281	\$0.4425	\$(0.0479)	\$5.5335	(I)
Small Volume Industrial	\$5.9281	\$0.4425	\$(0.0479)	\$5.5335	(I)
Intermediate Volume Industrial	\$5.9281	\$0.4425	\$(0.0479)	\$5.5335	(I)
Large Volume Industrial	\$5.9281	\$0.4425	\$(0.0479)	\$5.5335	(I)
Large Industrial	\$5.9281	\$0.4425	\$(0.0479)	\$5.5335	(I)
Standby	\$0.6326				(I)
Priority Standby	\$1.3432				(I)
Small Aggregation Transportation Customer Rate Schedule	\$0.4425	\$0.4425			(I)

(I) Indicates Decrease

(I) Indicates Increase

Rider G  
Merchant Function Charge (MFC) Rider

Applicability:

The Merchant Function Charge (MFC) shall be added to the Natural Gas Supply Charge and Gas Adjustment Charge of Residential, LIRAS, Commercial and Public Authority, SVIS, IVIS, LVIS and LIS rate schedules.

Such charges shall be updated quarterly and effective each February 1, May 1, August 1, and November 1 of the year. The charge will also be updated whenever there is a change to the Sales Service Rate Customer Charge, Distribution Charge, Natural Gas Supply Charge or Gas Adjustment Charge.

Calculation of Rate:

For customers receiving service in the Residential classification, the MFC shall equal 1.8032% times the Natural Gas Supply Charge and the Gas Adjustment Clause as calculated for Rider A.

The current Residential MFC Charge is:

Natural Gas Supply Charge per Mcf	\$0.0998	(I)
Gas Adjustment clause (E-Factor) per Mcf	\$(0.0009)	(I)
Total Residential MFC per Mcf	\$0.0989	(I)

For customers receiving service in the Non-Residential classifications, the MFC shall equal 0.3398% times the Natural Gas Supply Charge and Gas Adjustment Clause as calculated for Rider A.

The current Non-Residential MFC Charge is:

Natural Gas Supply Charge per Mcf	\$0.0188	(I)
Gas Adjustment clause (E-Factor) per Mcf	\$(0.0002)	(I)
Total Non-Residential MFC per Mcf	\$0.0186	(I)

(D) Indicates Decrease

(I) Indicates Increase

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Issued: January 31, 2024

Effective: August 1, 2024

Rider H  
Gas Procurement Charge (GPC)

## APPLICABILITY

Effective June 1, 2013, the Gas Procurement Charge will be included in the Natural Gas Supply Charge of Residential, LIRAS, Commercial and Public Authority, SVIS, IVIS, LVIS and LIS rate schedules.

The charge is designed to recover the costs of procuring natural gas pursuant to 52 Pa. Code §62.223. The natural gas procurement costs included in the GPC charge will only be updated in a base rate case.

The GPC to be included in the Natural Gas Supply Charge shall be \$0.1149 / Mcf and is not reconcilable.

	Residential (¢ per 100 cubic feet)	Non Residential (¢ per 100 cubic feet)	
<b>Price To Compare Component</b>			
Natural Gas Supply Charge			
Purchased Gas Cost Component (Rider A)	55.335	55.335	(I)
Merchant Function Charge associated with Natural Gas Supply Charge (Rider G)	0.998	0.188	(I)
Gas Procurement Charge (Rider H)	<u>1.149</u>	<u>1.149</u>	
Subtotal Natural Gas Supply Charge	57.482	56.672	(I)
Gas Adjustment Charge			
Purchased Gas Cost Component (Rider A)	(0.479)	(0.479)	(I)
Merchant Function Charge associated with Gas Adjustment Charge (Rider G)	<u>(0.009)</u>	<u>(0.002)</u>	(I)
Subtotal Gas Adjustment Charge	(0.488)	(0.481)	(I)
Total Price To Compare	<u>56.994</u>	<u>56.191</u>	(I)

(D) Indicates Decrease

(I) Indicates Increase

National Fuel Gas Distribution Corporation  
Pennsylvania Division  
Computation of Weighted Average Cost of Capacity  
for Mandatory Release Capacity Under the Rate Schedule  
Small Aggregation Transportation Supplier Service  
On or After August 1, 2024

**Computation Year: Twelve Months Ended July 2025**

	Total Pa. Monthly Capacity Dth (A)	Applicable # of Months in Rate Yr (B)	Total Pa Annual Capacity Dth (C)	Demand Rate \$/Dth (D)	Total Demand Cost (E=DxC)
Texas Eastern	10,000	12	120,000	\$ 6.3770	\$ 765,240
TGP 1-4	8,750	12	105,000	\$ 12.6232	\$ 1,325,436
TGP 4-4	65,250	12	783,000	\$ 4.5022	\$ 3,525,223
Columbia - FTS	1,748	12	20,976	\$ 10.1620	\$ 213,158
Columbia FSS Demand				\$ 2.8230	\$ 623,894
Columbia FSS Capacity				\$ 0.0513	\$ 347,217
Columbia SST	18,417		165,756	\$ 10.0500	\$ 1,665,848
Total	<u>104,165</u>		<u>1,194,732</u>		<u>8,466,016</u>
Total Mandatory Release Capacity (Dth)					<u>1,194,732</u>
Weighted Average Cost of Capacity (\$/Dth)				<u>\$</u>	<u>7.0861</u>

Columbia Annual Capacity is 6 months at 18,417 and 6 months at 9,209.

National Fuel Gas Distribution Corporation

Pennsylvania Division

Calculation of Demand Transfer Recovery Rate

Storage Cycle April 2024 - March 2025

Month	Total Normal Sales Load Pattern (MMcf)	Demand Charge Rate	Demand Charge Revenue (\$000)	Fixed Demand Cost (\$000)	Demand Cost (Under) Over Recovery (\$000)	Cumulative Demand Cost (Under) Over Recovery (\$000)	Storage Transfer Volumes @ 55% of Peak Day Requirements (MMcf)	Demand Cost in Storage Rate	Demand Cost Recovered in Storage Rate (\$000)	(Under) Over Recovery of Demand Cost (\$000)	Demand Transfer Recovery Rate	
1 Apr	2,476.68	\$ 2.31	\$ 5,721.12	\$ 4,622.31	\$ 1,098.81	\$ 1,098.81	977.29	\$ 2.62	\$ 2,557.48	\$ 3,656.29	\$ -	Apr
2 May	1,279.71	\$ 2.31	\$ 2,956.12	\$ 4,622.31	\$ (1,666.19)	\$ (567.39)	1,954.59	\$ 2.62	\$ 5,114.96	\$ 4,547.57	\$ -	May
3 Jun	647.70	\$ 2.31	\$ 1,496.19	\$ 4,622.31	\$ (3,126.12)	\$ (3,693.51)	2,931.88	\$ 2.62	\$ 7,672.44	\$ 3,978.93	\$ -	Jun
4 Jul	403.52	\$ 2.31	\$ 932.13	\$ 4,622.31	\$ (3,690.18)	\$ (7,383.69)	3,909.17	\$ 2.62	\$ 10,229.92	\$ 2,846.23	\$ -	Jul
5 Aug	365.47	\$ 2.62	\$ 956.40	\$ 4,622.31	\$ (3,665.91)	\$ (11,049.60)	4,886.47	\$ 2.62	\$ 12,787.40	\$ 1,737.80	\$ -	Aug
6 Sep	375.66	\$ 2.62	\$ 983.06	\$ 4,622.31	\$ (3,639.25)	\$ (14,688.85)	5,863.76	\$ 2.62	\$ 15,344.88	\$ 656.03	\$ -	Sep
7 Oct	720.72	\$ 2.62	\$ 1,886.05	\$ 4,622.31	\$ (2,736.26)	\$ (17,425.12)	6,841.06	\$ 2.62	\$ 17,902.36	\$ 477.24	\$ -	Oct
8 Nov	1,608.59	\$ 2.62	\$ 4,209.53	\$ 4,622.31	\$ (412.78)	\$ (17,837.90)	5,472.84	\$ 2.62	\$ 14,321.89	\$ (3,516.01)	\$ 0.64	Nov
9 Dec	2,835.86	\$ 2.62	\$ 7,421.16	\$ 4,622.31	\$ 2,798.85	\$ (15,039.05)	4,104.63	\$ 2.62	\$ 10,741.42	\$ (4,297.64)	\$ 1.05	Dec
10 Jan	3,789.54	\$ 2.62	\$ 9,916.85	\$ 4,622.31	\$ 5,294.54	\$ (9,744.51)	2,736.42	\$ 2.62	\$ 7,160.94	\$ (2,583.57)	\$ 0.94	Jan
11 Feb	3,864.07	\$ 2.62	\$ 10,111.88	\$ 4,622.31	\$ 5,489.57	\$ (4,254.95)	1,368.21	\$ 2.62	\$ 3,580.47	\$ (674.48)	\$ 0.49	Feb
12 Mar	3,392.28	\$ 2.62	\$ 8,877.26	\$ 4,622.31	\$ 4,254.95	\$ -	-	\$ 2.62	\$ -	\$ -	\$ -	Mar
	<u>21,759.79</u>		<u>\$ 55,467.74</u>	<u>\$ 55,467.74</u>								

<b>Pennsylvania Division - Design Day Capacity</b>	<b>2024-2025</b>
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<b>Firm Requirements</b>	Dth/day
Retail 74 DD (NFGDC Provided)	279,794
Unbundled Aggregated @ 62 DD	21,729
Unbundled Aggregated @ 12 DD	4,142
Priority Standby @ 52 DD	5,805
MMT Imbalance	28,361
DMT Imbalance	1,339
Local Production Balancing	2,029
Contingency Capacity	7,677
<b>Total Forecasted Requirements</b>	<b>350,876</b>

<b>Intermediate Capacity</b>	
NFGSC EFT - E00528	291,130
NFGSC EFT - E11178	9,000
NFGSC EFT E11969	10,000
NFGSC EFT - E12642	10,000
NFGSC FT - 31,000 Receipt	30,746
<b>Total Intermediate Capacity</b>	<b>350,876</b>

<b>Upstream Pipeline</b>	
COL FTS	1,748
TGP FT-A Z0, L, 4 to 4 (74,000 less SATS)	65,432
TGP FT-A Z0 to Z4 SATS	8,568
TET FT1- (M2 to M2)	10,000
<b>Total Upstream Pipeline</b>	<b>85,748</b>

<b>Deliveries from Storage</b>	
NFGSC ESS-1 (187,563 Less SATS)	177,587
NFGSC ESS-1 SATS	9,976
COL FSS	18,417
NFGSC FSS (19 - day)	10,666
<b>Total Storage Deliveries</b>	<b>230,646</b>

* NFGSC Fuel Rate	0.82%
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Winter Gas Calls	35,628
<b>Total NFGSC Citygate</b>	<b>35,628</b>
Total (Pipeline + Storage + Citygate)	352,022
Less NFGSC Fuel non-NFSTOR*	(1,146)
<b>Total Upstream FT + Storage + App (net NFGSC fuel)</b>	<b>350,876</b>

Total Capacity Available	350,876
Total Capacity Required	350,876

**NATIONAL FUEL GAS DISTRIBUTION CORPORATION**

**National Fuel Gas Distribution Corporation hereby provides its Proposed Reliability Plan as well as its Supply Plan, as required by Sections 1317(c) and (d) of the Public Utility Code:**

Distribution's projected design day requirements for customers utilizing the system during the application period of August 1, 2024 through July 31, 2025 are provided in PGC Exhibit Nos. 15, 24, 26-A, 26-B and 30. Distribution's projected winter seasonal requirements for customers utilizing the system are provided in PGC Exhibit No. 15.

Distribution's capacity that ensures the deliverability of the supplies necessary to meet the Company's projected design day and seasonal requirements is provided in PGC Exhibit Nos. 4, 4-A and 8. Distribution's plan for natural gas supply acquisition is set forth in PGC Exhibit No. 8.

**NATIONAL FUEL GAS DISTRIBUTION CORPORATION**

National Fuel Gas Distribution Corporation hereby provides as Attachment A its supply mix summaries for the twelve-month period ended November 30, 2023.

National Fuel Gas Distribution Corporation  
Supply Mix Portfolio  
Dec-22

<u>Description</u>	<u>Total Cost</u> \$	<u>Total Quantity</u> Dths	<u>Avg Rate</u> \$/Dth
Daily	\$6,980,114	1,312,850	\$ 5.32
First of Month	\$3,878,070	597,758	\$ 6.49
Forward	\$3,892,967	544,414	\$ 7.15
<u>Local Production</u>	<u>\$48,224</u>	<u>10,217</u>	<u>\$ 4.72</u>
Total	\$14,799,375	2,465,239	\$ 6.00

National Fuel Gas Distribution Corporation  
Supply Mix Portfolio  
Jan-23

<u>Description</u>	<u>Total Cost</u> \$	<u>Total Quantity</u> Dths	<u>Avg Rate</u> \$/Dth
Daily	\$905,543	318,119	\$ 2.85
First of Month	\$3,331,746	752,773	\$ 4.43
Forward	\$3,925,553	548,700	\$ 7.15
<u>Local Production</u>	<u>\$32,936</u>	<u>10,888</u>	<u>\$ 3.03</u>
Total	\$8,195,779	1,630,480	\$ 5.03

National Fuel Gas Distribution Corporation  
Supply Mix Portfolio  
Feb-23

<u>Description</u>	<u>Total Cost</u> \$	<u>Total Quantity</u> Dths	<u>Avg Rate</u> \$/Dth
Daily	\$1,040,270	450,422	\$ 2.31
First of Month	\$1,232,192	455,924	\$ 2.70
Forward	\$3,545,661	495,600	\$ 7.15
<u>Local Production</u>	<u>\$19,373</u>	<u>9,824</u>	<u>\$ 1.97</u>
Total	\$5,837,495	1,411,770	\$ 4.13

National Fuel Gas Distribution Corporation  
Supply Mix Portfolio  
Mar-23

<u>Description</u>	<u>Total Cost</u> \$	<u>Total Quantity</u> Dths	<u>Avg Rate</u> \$/Dth
Daily	\$1,059,831	453,861	\$ 2.34
First of Month	\$1,272,198	628,773	\$ 2.02
Forward	\$1,684,540	235,600	\$ 7.15
<u>Local Production</u>	<u>\$14,709</u>	<u>8,958</u>	<u>\$ 1.64</u>
Total	\$4,031,278	1,327,192	\$ 3.04

National Fuel Gas Distribution Corporation  
Supply Mix Portfolio  
Apr-23

<u>Description</u>	<u>Total Cost</u> \$	<u>Total Quantity</u> Dths	<u>Avg Rate</u> \$/Dth
Daily	\$1,707,111	937,499	\$ 1.82
First of Month	\$1,657,088	930,000	\$ 1.78
Forward	\$544,800	240,000	\$ 2.27
<u>Local Production</u>	<u>\$12,891</u>	<u>9,620</u>	<u>\$ 1.34</u>
Total	\$3,921,889	2,117,119	\$ 1.85

National Fuel Gas Distribution Corporation  
Supply Mix Portfolio  
May-23

<u>Description</u>	<u>Total Cost</u> \$	<u>Total Quantity</u> Dths	<u>Avg Rate</u> \$/Dth
Daily	\$1,163,926	755,258	\$ 1.54
First of Month	\$1,402,174	790,403	\$ 1.77
Forward	\$562,960	248,000	\$ 2.27
<u>Local Production</u>	<u>\$13,670</u>	<u>10,372</u>	<u>\$ 1.32</u>
Total	\$3,142,730	1,804,033	\$ 1.74

National Fuel Gas Distribution Corporation  
Supply Mix Portfolio  
Jun-23

<u>Description</u>	<u>Total Cost</u> \$	<u>Total Quantity</u> Dths	<u>Avg Rate</u> \$/Dth
Daily	\$824,296	585,650	\$ 1.41
First of Month	\$847,387	548,898	\$ 1.54
Forward	\$544,755	239,980	\$ 2.27
<u>Local Production</u>	<u>\$10,858</u>	<u>9,907</u>	<u>\$ 1.10</u>
Total	\$2,227,295	1,384,435	\$ 1.61

National Fuel Gas Distribution Corporation  
Supply Mix Portfolio  
Jul-23

<u>Description</u>	<u>Total Cost</u> \$	<u>Total Quantity</u> Dths	<u>Avg Rate</u> \$/Dth
Daily	\$960,543	650,128	\$ 1.48
First of Month	\$780,176	511,500	\$ 1.53
Forward	\$557,212	245,468	\$ 2.27
<u>Local Production</u>	<u>\$11,686</u>	<u>10,296</u>	<u>\$ 1.14</u>
Total	\$2,309,618	1,417,392	\$ 1.63

National Fuel Gas Distribution Corporation  
Supply Mix Portfolio  
Aug-23

<u>Description</u>	<u>Total Cost</u> \$	<u>Total Quantity</u> Dths	<u>Avg Rate</u> \$/Dth
Daily	\$759,014	652,625	\$ 1.16
First of Month	\$741,038	514,165	\$ 1.44
Forward	\$562,960	248,000	\$ 2.27
<u>Local Production</u>	<u>\$10,833</u>	<u>11,157</u>	<u>\$ 0.97</u>
Total	\$2,073,845	1,425,947	\$ 1.45

National Fuel Gas Distribution Corporation  
Supply Mix Portfolio  
Sep-23

<u>Description</u>	<u>Total Cost</u> \$	<u>Total Quantity</u> Dths	<u>Avg Rate</u> \$/Dth
Daily	\$992,676	716,964	\$ 1.38
First of Month	\$601,277	540,000	\$ 1.11
Forward	\$544,800	240,000	\$ 2.27
<u>Local Production</u>	<u>\$9,337</u>	<u>11,317</u>	<u>\$ 0.83</u>
Total	\$2,148,089	1,508,281	\$ 1.42

National Fuel Gas Distribution Corporation  
Supply Mix Portfolio  
Oct-23

<u>Description</u>	<u>Total Cost</u> \$	<u>Total Quantity</u> Dths	<u>Avg Rate</u> \$/Dth
Daily	\$1,404,617	962,041	\$ 1.46
First of Month	\$1,110,036	798,250	\$ 1.39
Forward	\$562,960	248,000	\$ 2.27
<u>Local Production</u>	<u>\$27,291</u>	<u>25,893</u>	<u>\$ 1.05</u>
Total	\$3,104,904	2,034,184	\$ 1.53

National Fuel Gas Distribution Corporation  
Supply Mix Portfolio  
Nov-23

<u>Description</u>	<u>Total Cost</u> \$	<u>Total Quantity</u> Dths	<u>Avg Rate</u> \$/Dth
Daily	\$1,708,832	803,137	\$ 2.13
First of Month	\$762,083	385,500	\$ 1.98
Forward	\$707,700	240,000	\$ 2.95
<u>Local Production</u>	<u>\$21,605</u>	<u>14,490</u>	<u>\$ 1.49</u>
Total	\$3,200,219	1,443,127	\$ 2.22

## Criteria of a Sound Rate Structure<sup>1</sup>

### *Revenue-related Attributes:*

1. Effectiveness in yielding total revenue requirements under the fair-return standard without any socially undesirable expansion of the rate base or socially undesirable level of product quality and safety.
2. Revenue stability and predictability, with a minimum of unexpected changes seriously adverse to utility companies.
3. Stability and predictability of the rates themselves, with a minimum of unexpected changes seriously adverse to ratepayers and with a sense of historical continuity. (Compare “The best tax is an old tax.”)

### *Cost-related Attributes:*

4. Static efficiency of the rate classes and rate blocks in discouraging wasteful use of service while promoting all justified types and amounts of use:
  - (a) in the control of the total amounts of service supplied by the company; and
  - (b) in the control of the relative uses of alternative types of service by ratepayers (on-peak versus off-peak service or higher quality versus lower quality service).
5. Reflection of all the present and future private and social costs and benefits occasioned by a service’s provision (i.e., all internalities and externalities).
6. Fairness of the specific rates in the apportionment of total costs of service among the different ratepayers so as to avoid arbitrariness and capriciousness and to attain equity in three dimensions: (1) horizontal (i.e., equals treated equally); (2) vertical (i.e., unequals treated unequally); and (3) anonymous (i.e., no ratepayer’s demands can be diverted away uneconomically from an incumbent by a potential entrant).
7. Avoidance of undue discrimination in rate relationships so as to be, if possible, compensatory (i.e., subsidy free with no intercustomer burdens).
8. Dynamic efficiency in promoting innovation and responding economically to changing demand and supply patterns.

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<sup>1</sup> Principles of Public Utility Rates, Second Edition, Bonbright, James C., Albert L. Danielsen, David R. Kamerschen; Public Utilities Reports, Inc., 1988, pages 383-384.

*Practical-related Attributes:*

9. The related, practical attributes of simplicity, certainty, convenience of payment, economy in collection, understandability, public acceptability, and feasibility of application.
10. Freedom from controversies as to proper interpretation.

**National Fuel Gas Distribution Corporation  
 Pennsylvania Division  
 Calculation of PSB Service Rates and SB Service Rates**

Peak Capacity Requirement (52DD)	5,520
PLUS PAD Shrink @.15	<u>8</u>
MCF (See PGC Exhibit No. 26-B)	5,528
BTU	1.051
Dth	5,810
Upstream Capacity Rate	\$ 7.0946 /Dth
Annualized Upstream Capacity Amount	\$ 494,620
EFT Rate	\$ 8.9534
Annualized EFT Amount	\$ 624,212
Total Annualized Amount	\$ 1,118,832
Normalized Annual Priority Standby (PSB) Volumes	832,968 Mcf
Calculated PSB Rate	\$ 1.3432 \$/Mcf
Average Sales Load Factor	47.0958%
Standby (SB) Service Rate	\$ 0.6326 \$/Mcf