
Anthony D. Kanagy

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File #: 192672

December 29, 2023

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: National Fuel Gas Distribution Corporation's Purchased Gas Cost Filing Under
Section 1307(f) of the Public Utility Code and 52 Pa. Code §§ 53.64 and 53.65
Docket No. R-2024-**

Dear Secretary Chiavetta:

Included, for filing, on behalf of National Fuel Gas Distribution Corporation ("Distribution" or the "Company") is data required by 52 Pa. Code §§ 53.64 and 53.65 to be filed before annual tariff filings for changes in rates for recovery of purchased gas costs. The attached data is compiled into 27 exhibits which are contained in a single volume.

As shown in the enclosed PGC Exhibit No. 21, Schedule 1, Page 4, Distribution proposes to increase rates for recovery of purchased gas costs for the principal rate schedules for sales service by \$2.0524 per Mcf. The amount of the increase is based upon a comparison between rates for recovery of purchased gas costs proposed in this filing and presently effective rates based upon Distribution's most recent quarterly PGC filing that became effective on November 1, 2023.

It is noted also that Distribution is proposing to increase rates for recovery of purchased gas costs for monthly metered transportation service. Distribution proposes that the present rate of \$0.37 per Mcf be increased to \$0.58 per Mcf. This rate provides for recovery of the approximate costs of storage and transportation services which Distribution uses to balance monthly metered transportation customers' usage with volumes delivered to Distribution for their accounts.

Rosemary Chiavetta, Secretary
December 29, 2023
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It is anticipated that the proposed increase in the sales rate will be subject to updates to reflect, *inter alia*, the effects of quarterly rate adjustments to become effective pursuant to the Commission's regulations at 52 Pa. Code § 53.64(i)(5) on February 1, 2024 and May 1, 2024, as well as actual over or under recoveries of purchased gas costs through June 30, 2024.

**REQUEST FOR CONFIDENTIAL TREATMENT
OF PROPRIETY INFORMATION**

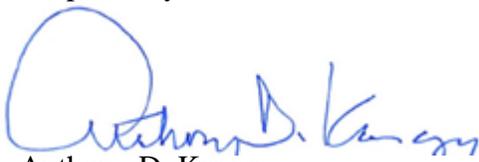
Pages 9-10 of PGC Exhibit No. 8, pages 1-24 of PGC Exhibit 9-A, pages 1-7 of PGC Exhibit 9-B, and pages 1-2 of PGC Exhibit No.12 contain information which Distribution considers to be proprietary and confidential. These pages have been stamped "CONFIDENTIAL." Copies of these pages are contained in a sealed envelope which also has been stamped "CONFIDENTIAL." The public or non-confidential filing contains versions of these pages on which the confidential material has been redacted.

Distribution requests that the copies of the materials that have been stamped "CONFIDENTIAL" and that are contained in the envelope that has been stamped "CONFIDENTIAL" be given confidential treatment by the Commission, including its various offices and bureaus. That is, Distribution requests that the confidential materials be excluded from the Commission's public document folder and that the confidential copies not be disclosed to the public.

As indicated on the enclosed Certificate of Service, copies of the enclosed filing are being served upon the Bureau of Investigation and Enforcement, Office of Consumer Advocate, and Office of Small Business Advocate.

Please direct all correspondence with regard to the enclosed filing to the undersigned.

Respectfully submitted,


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).

VIA E-MAIL

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Date: December 29, 2023

A handwritten signature in blue ink, appearing to read "Anthony D. Kanagy", is written over a horizontal line.

Anthony D. Kanagy

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NATIONAL FUEL GAS DISTRIBUTION CORPORATION

Pennsylvania Division

Summary of Cost of Gas by Gas Supplier and
Transmission of Gas by Local Producers
Twelve Months Ended November 2023

<u>Supplier</u>	<u>Projected Quantity Purchased</u> Mcf	<u>Commodity Cost</u> \$	<u>Demand Cost Natural Gas Supply</u> \$	<u>Demand Cost Distribution Charge</u> \$	<u>Total Projected Cost</u> \$
Upstream Purchases	19,462,736	57,634,848	403,606	0	58,038,454
Storage	(232,247)	731,735	11,262,471	0	11,994,207
Transportation		876,068	21,377,147	6,984,536	29,237,751
Transportation Credit			(3,146,333)	0	(3,146,333)
Local Production	214,351	384,396			384,396
Peoples Gas Company	5,583	61,620			61,620
Exchange Gas	(10,959)	(60,452)			(60,452)
Off-System Sales	0	0			0
Off-System Sales Refund		0			0
Subtotal	19,439,464	59,628,215	29,896,891	6,984,536	96,509,641
Credit - Line Hits		(4,476)			(4,476)
Total		<u>59,623,739</u>			<u>96,505,166</u>

NATIONAL FUEL GAS DISTRIBUTION CORPORATION
Pennsylvania Division
Summary of Cost of Gas by Gas Supplier
Twelve Months Ended November 2023

<u>Supplier</u>	<u>Projected Quantity Purchased</u> Mcf	<u>Commodity Cost</u> \$	<u>Demand Cost</u> \$	<u>Total Projected Cost</u> \$
Upstream				
December 2022	2,567,006	16,653,331	87,601	16,740,931
January 2023	1,528,615	8,235,185	88,801	8,323,986
February	1,350,822	5,956,816	14,119	5,970,935
March	1,291,372	3,760,637	136,896	3,897,533
April	1,922,952	4,244,966	12,905	4,257,871
May	1,803,498	3,328,971	350	3,329,321
June	1,322,332	2,283,865	250	2,284,115
July	1,336,354	2,337,088	250	2,337,338
August	1,372,256	2,161,840	250	2,162,090
September	1,516,760	2,313,926	250	2,314,176
October	2,056,218	3,298,210	250	3,298,460
November	1,394,551	3,060,014	61,685	3,121,698
Total	19,462,736	57,634,848	403,606	58,038,454

NATIONAL FUEL GAS DISTRIBUTION CORPORATION
Pennsylvania Division
Summary of Cost of Gas by Gas Supplier
Twelve Months Ended November 2023

<u>Supplier</u>	Total Quantity <u>Purchased</u> Mcf	Commodity <u>Cost</u> \$	Total Projected <u>Cost</u> \$
Local Production			
December 2022	15,393	83,812	83,812
January 2023	19,034	59,007	59,007
February	14,452	76,104	76,104
March	18,151	(16,818)	(16,818)
April	15,001	19,667	19,667
May	19,916	28,539	28,539
June	19,907	23,712	23,712
July	17,247	20,896	20,896
August	17,870	18,400	18,400
September	20,285	18,480	18,480
October	19,617	23,464	23,464
November	<u>17,478</u>	<u>29,131</u>	<u>29,131</u>
Total	<u><u>214,351</u></u>	<u><u>384,396</u></u>	<u><u>384,396</u></u>

NATIONAL FUEL GAS DISTRIBUTION CORPORATION
 Pennsylvania Division
 Summary of Transportation Credits
 Twelve Months Ended November 2023

	2022												Total
	December	January	February	March	April	May	June	July	August	September	October	November	
MMT Volume	919,038	1,217,233	1,154,342	1,064,465	1,054,146	668,538	480,482	379,475	343,550	364,887	415,889	629,065	8,691,110
Rate \$/Mcf	0.3600	0.3600	0.3600	0.3600	0.3600	0.3600	0.3600	0.3600	0.3700	0.3700	0.3700	0.3700	
Transportation Credit - \$	(330,854)	(438,204)	(415,563)	(383,208)	(379,492)	(240,674)	(172,974)	(136,611)	(127,114)	(135,008)	(153,879)	(232,754)	(3,146,333)

NATIONAL FUEL GAS DISTRIBUTION CORPORATION
 Pennsylvania Division
 Summary of Credit Due to Line Hits
 Twelve Months Ended November 2023

	2022		2023									Total	
	December	January	February	March	April	May	June	July	August	September	October		November
Line Hits (Credit) Amount - \$	107	368	50	292	1	45	365	479	892	16	1,225	638	4,476

NATIONAL FUEL GAS DISTRIBUTION CORPORATION
 Pennsylvania Division
 Summary of Exchange Gas
 Twelve Months Ended November 2023

	2022	2023											
	December	January	February	March	April	May	June	July	August	September	October	November	Total
Exchange Gas - Mcf	6,277	8,980	(4,814)	14,401	5,514	3,447	4,707	1,499	532	3,338	3,312	(58,152)	(10,959)
Commodity - \$	62,264	78,372	(94,067)	62,845	(13,283)	(197,522)	(26,810)	(128,059)	(41,392)	549,955	94,559	(407,312)	(60,452)

NATIONAL FUEL GAS DISTRIBUTION CORPORATION
 Pennsylvania Division
 Summary of Off-System Sales
 Twelve Months Ended November 2023

	2022	2023										Total	
	December	January	February	March	April	May	June	July	August	September	October		November
Off-System Sales - Mcf	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-System Sales (Gas Cost) - \$	0	0	0	0	0	0	0	0	0	0	0	0	0

NATIONAL FUEL GAS DISTRIBUTION CORPORATION
 Pennsylvania Division
 Summary of Off-System Sales Refund
 Twelve Months Ended November 2023

	2022	2023										Total	
	December	January	February	March	April	May	June	July	August	September	October		November
Off-System Sales Margin - \$	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-System Sales Refund (75%) - \$	0	0	0	0	0	0	0	0	0	0	0	0	0
Prior Period Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Off-System Sales Refund - \$	0	0	0	0	0	0	0	0	0	0	0	0	0

Note: Effective August 1, 2001 Sharing 75% / 25% before tax

NATIONAL FUEL GAS DISTRIBUTION CORPORATION
 Pennsylvania Division
 Details of Upstream Purchases
 Twelve Months Ended November 2023

	2022					2023						Total	
	December	January	February	March	April	May	June	July	August	September	October		November
<u>Purchase Volume - Mcf</u>													
Spot	928,625	274,419	437,354	640,517	1,720,474	1,431,283	1,109,176	1,120,095	1,155,074	1,165,964	1,650,085	715,106	12,348,172
Contracted	1,683,288	1,291,073	946,162	679,930	228,571	398,216	230,567	234,673	235,745	374,463	437,172	701,236	7,441,096
Shrinkage	(44,907)	(36,877)	(32,694)	(29,075)	(26,093)	(26,001)	(17,411)	(18,414)	(18,563)	(23,667)	(31,039)	(21,791)	(326,532)
Total (Mcf)	2,567,006	1,528,615	1,350,822	1,291,372	1,922,952	1,803,498	1,322,332	1,336,354	1,372,256	1,516,760	2,056,218	1,394,551	19,462,736
<u>Demand Costs - \$</u>													
Spot	0	0	0	0	0	0	0	0	0	0	0	0	0
Contracted	87,601	88,801	14,119	136,896	12,905	350	250	250	250	250	250	61,685	403,606
Total Demand Costs - \$	87,601	88,801	14,119	136,896	12,905	350	250	250	250	250	250	61,685	403,606
<u>Commodity Costs - \$</u>													
Spot	4,797,777	836,254	1,052,909	1,445,339	3,276,592	2,512,607	1,734,804	1,775,417	1,594,422	1,625,107	2,482,312	1,448,939	24,582,478
Contracted	11,855,554	7,398,931	4,903,908	2,315,297	968,374	816,364	549,061	561,671	567,418	688,818	815,897	1,611,075	33,052,369
Total Commodity Costs - \$	16,653,331	8,235,185	5,956,816	3,760,637	4,244,966	3,328,971	2,283,865	2,337,088	2,161,840	2,313,926	3,298,210	3,060,014	57,634,848
Total Cost - \$	16,740,931	8,323,986	5,970,935	3,897,533	4,257,871	3,329,321	2,284,115	2,337,338	2,162,090	2,314,176	3,298,460	3,121,698	58,038,454

NATIONAL FUEL GAS DISTRIBUTION CORPORATION

Pennsylvania Division

Details of Storage

Twelve Months Ended November 2023

	2022					2023							Total
	December	January	February	March	April	May	June	July	August	September	October	November	
Rental													
Demand - \$	1,050,829	1,054,769	1,055,388	1,056,470	1,036,231	1,093,167	1,065,000	1,065,882	1,066,346	1,066,307	1,066,510	1,069,129	12,746,028
Commodity - \$	48,308	69,214	74,542	67,104	40,567	52,753	43,346	45,565	46,240	55,787	47,484	29,021	619,931
Total	1,099,138	1,123,983	1,129,930	1,123,574	1,076,798	1,145,920	1,108,345	1,111,447	1,112,586	1,122,094	1,113,994	1,098,151	13,365,959
Gas Costs													
Injection - Mcf	(99,720)	(37,416)	3,259	(2,930)	(594,508)	(1,113,925)	(940,683)	(1,005,582)	(975,930)	(1,169,912)	(1,052,094)	66,929	(6,922,512)
Withdrawal - Mcf	1,005,925	1,505,011	1,611,173	1,606,367	135,069	59,298	1,621	398	14,830	14,590	7,198	728,785	6,690,265
Net (Injection)/Withdrawal	906,205	1,467,595	1,614,432	1,603,437	(459,439)	(1,054,627)	(939,062)	(1,005,184)	(961,100)	(1,155,322)	(1,044,896)	795,714	(232,247)
Demand - \$	1,794,739	2,824,387	3,106,974	3,085,815	(950,809)	(2,182,551)	(1,943,389)	(2,111,288)	(2,018,694)	(2,426,638)	(2,776,393)	2,114,292	(1,483,557)
Commodity - \$	5,248,830	4,827,065	6,896,692	6,849,723	(4,452,732)	(3,827,874)	(3,408,419)	(3,545,591)	(3,490,907)	(4,248,201)	(3,089,549)	2,352,767	111,804
	7,043,569	7,651,452	10,003,666	9,935,537	(5,403,541)	(6,010,425)	(5,351,808)	(5,656,879)	(5,509,602)	(6,674,839)	(5,865,942)	4,467,059	(1,371,753)
Total Storage Costs													
Demand - \$	2,845,568	3,879,155	4,162,363	4,142,284	85,422	(1,089,383)	(878,389)	(1,045,407)	(952,348)	(1,360,331)	(1,709,883)	3,183,421	11,262,471
Commodity - \$	5,297,138	4,896,279	6,971,234	6,916,826	(4,412,164)	(3,775,121)	(3,365,074)	(3,500,026)	(3,444,668)	(4,192,414)	(3,042,064)	2,381,789	731,735
	8,142,707	8,775,435	11,133,596	11,059,111	(4,326,742)	(4,864,505)	(4,243,463)	(4,545,433)	(4,397,016)	(5,552,745)	(4,751,948)	5,565,210	11,994,207

NATIONAL FUEL GAS DISTRIBUTION CORPORATION
 Pennsylvania Division
 Detail of Costs Related to Peoples Gas Company
 Twelve Months Ended November 2023

	<u>2022</u>						<u>2023</u>						
	<u>December</u>	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>Total</u>
Mcf	955	1,055	864	804	467	240	142	120	116	111	224	485	5,583
Amount - \$	13,017	13,225	10,675	9,954	4,276	2,136	1,350	1,074	1,007	976	1,410	2,520	61,620

NATIONAL FUEL GAS DISTRIBUTION CORPORATION
 Pennsylvania Division
 Transportation Charges
 Twelve Months Ended November 2023

	2022					2023							Total
	December	January	February	March	April	May	June	July	August	September	October	November	
Demand - Distribution Charge - \$	582,040	582,040	582,040	582,040	582,040	582,040	582,040	582,040	582,040	582,040	582,040	582,096	6,984,536
Demand - Natural Gas Supply - \$	1,680,351	1,709,233	1,755,590	2,008,334	1,435,878	1,935,667	1,771,695	1,781,106	1,792,954	1,798,933	1,880,391	1,827,015	21,377,147
Total Demand - \$	2,262,391	2,291,273	2,337,630	2,590,374	2,017,918	2,517,707	2,353,735	2,363,146	2,374,994	2,380,973	2,462,431	2,409,111	28,361,683
Commodity - \$	125,828	130,444	109,774	84,822	69,031	41,319	36,928	38,390	44,646	55,158	68,431	71,296	876,068
Total Costs - \$	2,388,219	2,421,717	2,447,404	2,675,196	2,086,949	2,559,026	2,390,663	2,401,536	2,419,640	2,436,131	2,530,862	2,480,407	29,237,751

NATIONAL FUEL GAS DISTRIBUTION CORPORATION
 Pennsylvania Division
 Temperature Swing / Peaking Capacity Costs
 Twelve Months Ended November 2023

	2022						2023						Total
	December	January	February	March	April	May	June	July	August	September	October	November	
NFGSC EFT Capacity (Dth)	58,359	58,359	58,359	58,359	58,359	58,359	58,359	58,359	58,359	58,359	58,359	58,359	
Rate (\$/Dth)	5.1611	5.1611	5.1611	5.1611	5.1611	5.1611	5.1611	5.1611	5.1611	5.1611	5.1611	5.1512	
Amount (\$)	301,197	301,197	301,197	301,197	301,197	301,197	301,197	301,197	301,197	301,197	301,197	300,619	3,613,786
NFGSC ESS Delivery (Dth)	47,693	47,693	47,693	47,693	47,693	47,693	47,693	47,693	47,693	47,693	47,693	47,693	
Rate (\$/Dth)	2.7576	2.7576	2.7576	2.7576	2.7576	2.7576	2.7576	2.7576	2.7576	2.7576	2.7576	2.7643	
Amount (\$)	131,518	131,518	131,518	131,518	131,518	131,518	131,518	131,518	131,518	131,518	131,518	131,838	1,578,536
NFGSC ESS Capacity (Dth)	2,226,214	2,226,214	2,226,214	2,226,214	2,226,214	2,226,214	2,226,214	2,226,214	2,226,214	2,226,214	2,226,214	2,226,214	
Rate (\$/Dth)	0.0501	0.0501	0.0501	0.0501	0.0501	0.0501	0.0501	0.0501	0.0501	0.0501	0.0501	0.0502	
Amount (\$)	111,533	111,533	111,533	111,533	111,533	111,533	111,533	111,533	111,533	111,533	111,533	111,756	1,338,619
NFGSC FSS Capacity (Dth)	10,666	10,666	10,666	10,666	10,666	10,666	10,666	10,666	10,666	10,666	10,666	10,666	
Rate (\$/Dth)	2.6469	2.6469	2.6469	2.6469	2.6469	2.6469	2.6469	2.6469	2.6469	2.6469	2.6469	2.6536	
Amount (\$)	28,232	28,232	28,232	28,232	28,232	28,232	28,232	28,232	28,232	28,232	28,232	28,303	338,855
NFGSC FSS Capacity (Dth)	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	
Rate (\$/Dth)	0.0478	0.0478	0.0478	0.0478	0.0478	0.0478	0.0478	0.0478	0.0478	0.0478	0.0478	0.0479	
Amount (\$)	9,560	9,560	9,560	9,560	9,560	9,560	9,560	9,560	9,560	9,560	9,560	9,580	114,740
Grand Total Cost - Distribution Charge (\$)	582,040	582,096	6,984,536										

NATIONAL FUEL GAS DISTRIBUTION CORPORATION

Pennsylvania Division
Summary of Cost of Gas by Gas Supplier and
Transmission of Gas by Local Producers
Eight Months Ended July 2024

<u>Supplier</u>	<u>Projected Quantity Purchased</u> (Mcf)	<u>Commodity Cost</u> (\$)	<u>Demand Cost Natural Gas Supply</u> (\$)	<u>Demand Cost Distribution Charge</u> (\$)	<u>Total Projected Cost</u> (\$)
Upstream Purchases	17,712,286	46,273,208	21,597,707	6,343,612	74,214,527
Storage		6,236,924	19,175,942	0	25,412,866
Transportation Credit			(2,350,465)	0	(2,350,465)
Capacity Release			(2,622,958)	0	(2,622,958)
Local Production	67,424	157,409			157,409
Peoples Gas Company	4,647	55,706			55,706
Subtotal	17,784,357	52,723,247	35,800,226	6,343,612	94,867,085
Credit - Line Hits		(1,705)			(1,705)
Total		<u>52,721,542</u>			<u>94,865,380</u>

NATIONAL FUEL GAS DISTRIBUTION CORPORATION

Pennsylvania Division
Summary of Cost of Gas by Gas Supplier
Eight Months Ended July 2024

<u>Supplier</u>	<u>Projected Quantity Purchased</u> (Mcf)	<u>Commodity Cost</u> (\$)	<u>Demand Cost Natural Gas Supply</u> (\$)	<u>Demand Cost Distribution Charge</u> (\$)	<u>Total Projected Cost</u> (\$)
Upstream					
December 2023	3,059,731	7,081,010	2,083,525	538,517	9,703,052
January 2024	4,195,068	8,140,983	2,077,418	538,517	10,756,918
February	3,609,986	7,444,763	3,041,245	877,763	11,363,771
March	3,118,513	4,155,849	3,028,233	877,763	8,061,845
April	1,814,851	5,768,632	2,846,390	877,763	9,492,785
May	1,125,952	5,933,786	2,834,200	877,763	9,645,749
June	416,374	3,792,713	2,846,390	877,763	7,516,866
July	371,813	3,955,470	2,840,307	877,763	7,673,540
Total	17,712,286	46,273,208	21,597,707	6,343,612	74,214,527

See Exhibit 23, Schedule 1

NATIONAL FUEL GAS DISTRIBUTION CORPORATION

Pennsylvania Division
Summary of Cost of Gas by Gas Supplier
Eight Months Ended July 2024

<u>Supplier</u>	Projected Quantity <u>Purchased</u> (Mcf)	Commodity <u>Cost</u> (\$)	Total Projected <u>Cost</u> (\$)
Local Production			
December 2023	8,566	22,129	22,129
January 2024	8,566	23,631	23,631
February	8,014	20,921	20,921
March	8,566	19,920	19,920
April	8,290	17,061	17,061
May	8,566	17,440	17,440
June	8,290	17,184	17,184
July	8,566	19,123	19,123
Total	67,424	157,409	157,409

See Exhibit 23, Schedule 2

NATIONAL FUEL GAS DISTRIBUTION CORPORATION

Pennsylvania Division
 Summary of Transportation Credits
 Eight Months Ended July 2024

	2023	2024							
	<u>December</u>	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Total</u>
MMT Volume	1,136,016	1,263,188	1,121,640	1,002,498	662,735	436,133	370,627	359,771	6,352,609
Rate \$ / Mcf	0.3700	0.3700	0.3700	0.3700	0.3700	0.3700	0.3700	0.3700	
Transportation Credit - \$	(420,326)	(467,380)	(415,007)	(370,924)	(245,212)	(161,369)	(137,132)	(133,115)	(2,350,465)

NATIONAL FUEL GAS DISTRIBUTION CORPORATION
 Pennsylvania Division
 Summary of Credit Due to Line Hits
 Eight Months Ended July 2024

	2023	2024							
	<u>December</u>	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Total</u>
Line Hits (Credit) Amount - \$	107	368	50	292	1	45	365	479	1,705

NATIONAL FUEL GAS DISTRIBUTION CORPORATION
 Pennsylvania Division
 Summary of Off-System Sales Refund
 Eight Months Ended July 2024

	2023	2024							Total
	December	January	February	March	April	May	June	July	
Off-System Sales Margin - \$	0	0	0	0	0	0	0	0	0
Off-System Sales Refund (75%) - \$	0	0	0	0	0	0	0	0	0
Prior Period Adjustment	0	0	0	0	0	0	0	0	0
Net Off-System Sales Refund - \$	0	0	0	0	0	0	0	0	0

Note: Effective August 1, 2001 sharing 75% / 25% before tax

NATIONAL FUEL GAS DISTRIBUTION CORPORATION
 Pennsylvania Division
 Details of Upstream Purchases (Including Transportation) ¹
 Eight Months Ended July 2024

	2023	2024							Total
	<u>December</u>	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	
Purchase Volume - Dth	1,601,161	1,713,987	1,600,892	1,079,776	2,066,466	2,118,571	1,652,965	1,647,507	13,481,325
City Gate Volume - DTH	676,408	737,899	690,293	307,458	228,368	302,465	0	0	2,942,891
Storage Volume - Dth	938,208	1,957,130	1,502,910	1,890,323	(387,426)	(1,237,660)	(1,215,356)	(1,256,732)	2,191,397
Total Volume - Dth	<u>3,215,777</u>	<u>4,409,016</u>	<u>3,794,095</u>	<u>3,277,557</u>	<u>1,907,408</u>	<u>1,183,376</u>	<u>437,609</u>	<u>390,775</u>	<u>18,615,613</u>
Conversion Factor	1.0510	1.0510	1.0510	1.0510	1.0510	1.0510	1.0510	1.0510	
Total Volume - Mcf	3,059,731	4,195,068	3,609,986	3,118,513	1,814,851	1,125,952	416,374	371,813	17,712,286
Net Purchases - Mcf	<u>3,059,731</u>	<u>4,195,068</u>	<u>3,609,986</u>	<u>3,118,513</u>	<u>1,814,851</u>	<u>1,125,952</u>	<u>416,374</u>	<u>371,813</u>	<u>17,712,286</u>
Demand - Natural Gas Supply - \$	2,083,525	2,077,418	3,041,245	3,028,233	2,846,390	2,834,200	2,846,390	2,840,307	21,597,707
Demand - Distribution Charge - \$	538,517	538,517	877,763	877,763	877,763	877,763	877,763	877,763	6,343,612
Total Demand - \$	<u>2,622,042</u>	<u>2,615,935</u>	<u>3,919,008</u>	<u>3,905,996</u>	<u>3,724,153</u>	<u>3,711,963</u>	<u>3,724,153</u>	<u>3,718,070</u>	<u>27,941,319</u>
Commodity - \$ - PA	7,081,010	8,140,983	7,444,763	4,155,849	5,768,632	5,933,786	3,792,713	3,955,470	46,273,208
Net Commodity - \$	<u>7,081,010</u>	<u>8,140,983</u>	<u>7,444,763</u>	<u>4,155,849</u>	<u>5,768,632</u>	<u>5,933,786</u>	<u>3,792,713</u>	<u>3,955,470</u>	<u>46,273,208</u>
Total Cost - \$	<u><u>9,703,052</u></u>	<u><u>10,756,918</u></u>	<u><u>11,363,771</u></u>	<u><u>8,061,845</u></u>	<u><u>9,492,785</u></u>	<u><u>9,645,749</u></u>	<u><u>7,516,866</u></u>	<u><u>7,673,540</u></u>	<u><u>74,214,527</u></u>

¹ See Exhibit 23, Schedule 1

NATIONAL FUEL GAS DISTRIBUTION CORPORATION

Pennsylvania Division
 Details of Storage
 Eight Months Ended July 2024

	2023	2024							<u>Total</u>
	<u>December</u>	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	
Rental Cost*									
Demand	1,145,141	1,145,141	1,675,724	1,675,724	1,675,724	1,675,724	1,675,724	1,675,724	12,344,626
Commodity	38,530	89,582	59,632	73,343	13,726	47,440	46,256	47,886	416,395
Transportation Cost									
Demand	185,091	185,091	185,091	185,091	92,550	92,550	92,550	92,550	1,110,564
Commodity	3,342	1,490	497	1,987	55	1,082	1,163	1,233	10,849
Gas Cost									
Demand	2,406,887	5,001,112	3,838,097	4,832,366	(979,236)	(3,129,017)	(3,072,454)	(3,177,003)	5,720,752
Commodity	2,444,301	5,078,852	3,897,758	4,907,483	(994,457)	(3,177,655)	(3,120,214)	(3,226,388)	5,809,680
TOTAL COSTS									
Demand	3,737,119	6,331,344	5,698,912	6,693,181	789,038	(1,360,743)	(1,304,180)	(1,408,729)	19,175,942
Commodity	2,486,173	5,169,924	3,957,887	4,982,813	(980,676)	(3,129,133)	(3,072,795)	(3,177,269)	6,236,924
TOTAL	6,223,292	11,501,268	9,656,799	11,675,994	(191,638)	(4,489,876)	(4,376,975)	(4,585,998)	25,412,866

See Exhibit 23, Schedule 1

NATIONAL FUEL GAS DISTRIBUTION CORPORATION

Pennsylvania Division

Detail of Costs Related to Peoples Gas Company

Eight Months Ended July 2024

	2023	2024							
	<u>December</u>	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Total</u>
Mcf	955	1,055	864	804	467	240	142	120	4,647
Amount - \$	13,017	13,225	10,675	9,954	4,276	2,136	1,350	1,074	55,706

PGC Exhibit 2
Schedule 3

NATIONAL FUEL GAS DISTRIBUTION CORPORATION
 Pennsylvania Division
 Detail of Capacity Release
 Eight Months Ended July 2024

	2023	2024							Total
	<u>December</u>	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	
PA. Capacity Release	213,983	197,793	184,666	177,762	132,060	121,261	131,179	121,068	1,279,771
PA Customer Wide Choice Capacity Release	167,898	167,898	167,898	167,898	167,898	167,898	167,898	167,898	1,343,187
PA Capacity Release - \$	<u>381,881</u>	<u>365,691</u>	<u>352,564</u>	<u>345,660</u>	<u>299,959</u>	<u>289,160</u>	<u>299,077</u>	<u>288,966</u>	<u>2,622,958</u>

NATIONAL FUEL GAS DISTRIBUTION CORPORATION
 Pennsylvania Division
 Temperature Swing/ Peaking Capacity Costs
 Eight Months Ended July 2024

	2023	2024							Total
	December	January	February	March	April	May	June	July	
NFGSC EFT Capacity (Dth)	54,111	54,111	54,111	54,111	54,111	54,111	54,111	54,111	
Rate (\$ / Dth)	5.1512	5.1512	8.9534	8.9534	8.9534	8.9534	8.9534	8.9534	
Amount (\$)	278,737	278,737	484,477	484,477	484,477	484,477	484,477	484,477	3,464,336
NFGSC ESS Delivery (Dth)	43,445	43,445	43,445	43,445	43,445	43,445	43,445	43,445	
Rate (\$ / Dth)	2.7643	2.7643	4.2337	4.2337	4.2337	4.2337	4.2337	4.2337	
Amount (\$)	120,095	120,095	183,933	183,933	183,933	183,933	183,933	183,933	1,343,788
NFGSC ESS Capacity (Dth)	2,027,925	2,027,925	2,027,925	2,027,925	2,027,925	2,027,925	2,027,925	2,027,925	
Rate (\$ / Dth)	0.0502	0.0502	0.0748	0.0748	0.0748	0.0748	0.0748	0.0748	
Amount (\$)	101,802	101,802	151,689	151,689	151,689	151,689	151,689	151,689	1,113,738
NFGSC FSS Delivery (Dth)	10,666	10,666	10,666	10,666	10,666	10,666	10,666	10,666	
Rate (\$ / Dth)	2.6536	2.6536	4.0694	4.0694	4.0694	4.0694	4.0694	4.0694	
Amount (\$)	28,303	28,303	43,404	43,404	43,404	43,404	43,404	43,404	317,030
NFGSC FSS Capacity (Dth)	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	
Rate (\$ / Dth)	0.0479	0.0479	0.0713	0.0713	0.0713	0.0713	0.0713	0.0713	
Amount (\$)	9,580	9,580	14,260	14,260	14,260	14,260	14,260	14,260	104,720
Grand Total Cost - Distribution Charge (\$)	538,517	538,517	877,763	877,763	877,763	877,763	877,763	877,763	6,343,612

NATIONAL FUEL GAS DISTRIBUTION CORPORATION

Pennsylvania Division

Summary of Cost of Gas by Gas Supplier and

Transmission of Gas by Local Producers

Twelve Months Ended July 2025

<u>Supplier</u>	<u>Projected Quantity Purchased</u> (Mcf)	<u>Commodity Cost</u> (\$)	<u>Demand Cost Natural Gas Supply</u> (\$)	<u>Demand Cost Distribution Charge</u> (\$)	<u>Total Projected Cost</u> (\$)
Upstream Purchases	21,723,702	74,301,334	33,999,261	10,519,956	118,820,551
Storage		2,146,105	22,322,889	0	24,468,994
Transportation Credit			(5,210,408)	0	(5,210,408)
Capacity Release Credit			(6,904,343)	0	(6,904,343)
Local Production	100,860	299,073			299,073
Peoples Gas Company	5,583	61,620			61,620
Subtotal	21,830,145	76,808,132	44,207,399	10,519,956	131,535,487
Credit - Line Hits		<u>(4,476)</u>			<u>(4,476)</u>
Total		<u>76,803,656</u>			<u>131,531,011</u>

NATIONAL FUEL GAS DISTRIBUTION CORPORATION
Pennsylvania Division
Summary of Cost of Gas by Gas Supplier
Twelve Months Ended July 2025

<u>Supplier</u>	<u>Projected Quantity Purchased</u> (Mcf)	<u>Commodity Cost</u> (\$)	<u>Demand Cost Natural Gas Supply</u> (\$)	<u>Demand Cost Distribution Charge</u> (\$)	<u>Total Projected Cost</u> (\$)
Upstream					
August 2024	379,929	3,830,179	2,859,681	876,663	7,566,523
September	379,802	3,278,951	2,871,871	876,663	7,027,485
October	1,081,146	4,403,036	2,859,681	876,663	8,139,380
November	2,044,376	3,673,829	2,841,407	876,663	7,391,899
December	3,068,945	8,105,623	2,792,644	876,663	11,774,930
January 2025	4,220,897	10,282,215	2,823,109	876,663	13,981,987
February	3,632,670	9,490,216	2,817,025	876,663	13,183,904
March	3,138,344	5,948,466	2,804,834	876,663	9,629,963
April	1,849,077	6,771,897	2,835,300	876,663	10,483,860
May	1,162,359	7,874,372	2,823,109	876,663	11,574,144
June	384,993	5,127,201	2,835,300	876,663	8,839,164
July	381,164	5,515,349	2,835,300	876,663	9,227,312
Total	21,723,702	74,301,334	33,999,261	10,519,956	118,820,551

See Exhibit 23, Schedule 1

NATIONAL FUEL GAS DISTRIBUTION CORPORATION
Pennsylvania Division
Summary of Cost of Gas by Gas Supplier
Twelve Months Ended July 2025

<u>Supplier</u>	<u>Projected Quantity Purchased</u> (Mcf)	<u>Commodity Cost</u> (\$)	<u>Total Projected Cost</u> (\$)
Local Production			
August 2024	8,566	20,364	20,364
September	8,290	19,093	19,093
October	8,566	20,074	20,074
November	8,290	23,009	23,009
December	8,566	27,488	27,488
January 2025	8,566	31,597	31,597
February	7,738	27,820	27,820
March	8,566	27,759	27,759
April	8,290	23,675	23,675
May	8,566	24,528	24,528
June	8,290	25,436	25,436
July	8,566	28,230	28,230
	<hr/>		
Total	100,860	299,073	299,073
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See Exhibit 23, Schedule 2

NATIONAL FUEL GAS DISTRIBUTION CORPORATION
Pennsylvania Division
Summary of Transportation Credits
Twelve Months Ended July 2025

	2024	2025										Total	
	August	September	October	November	December	January	February	March	April	May	June		July
MMT Volume	365,072	427,783	788,309	994,604	1,143,792	1,271,390	1,129,520	1,008,934	669,622	441,252	376,403	366,781	8,983,462
Rate \$ / Mcf	0.5800	0.5800	0.5800	0.5800	0.5800	0.5800	0.5800	0.5800	0.5800	0.5800	0.5800	0.5800	
Transportation Credit - \$	(211,742)	(248,114)	(457,219)	(576,870)	(663,399)	(737,406)	(655,121)	(585,182)	(388,381)	(255,926)	(218,314)	(212,733)	(5,210,408)

Exhibit 24, Appendix 1

NATIONAL FUEL GAS DISTRIBUTION CORPORATION
 Pennsylvania Division
 Summary of Credit Due to Line Hits
 Twelve Months Ended July 2025

	2024	2025											
	August	September	October	November	December	January	February	March	April	May	June	July	Total
Line Hits (Credit) Amount - \$	892	16	1,225	638	107	368	50	292	1	45	365	479	4,476

NATIONAL FUEL GAS DISTRIBUTION CORPORATION
Pennsylvania Division
Details of Upstream Purchases (Including Transportation) ¹
Twelve Months Ended July 2025

	2024	2025											Total
	August	September	October	November	December	January	February	March	April	May	June	July	
Purchase Volume - Dth	1,504,082	1,586,177	2,118,028	1,032,687	1,603,292	1,717,052	1,605,209	1,221,425	2,031,281	2,118,571	1,622,617	1,627,716	19,788,137
City Gate NFGSC Volume - Dth	0	0	91,668	297,540	676,408	737,899	666,490	307,458	0	365,422	0	0	3,142,885
Storage Volume - Dth	(1,104,776)	(1,187,005)	(1,073,412)	818,412	945,761	1,981,211	1,546,237	1,769,517	(87,901)	(1,262,354)	(1,217,989)	(1,227,112)	(99,411)
Total Volume - Dth	399,306	399,172	1,136,284	2,148,639	3,225,461	4,436,162	3,817,936	3,298,400	1,943,380	1,221,639	404,628	400,604	22,831,611
Conversion Factor	1.0510	1.0510	1.0510	1.0510	1.0510	1.0510	1.0510	1.0510	1.0510	1.0510	1.0510	1.0510	
Total Volume - Mcf	379,929	379,802	1,081,146	2,044,376	3,068,945	4,220,897	3,632,670	3,138,344	1,849,077	1,162,359	384,993	381,164	21,723,702
Net Purchases - Mcf	379,929	379,802	1,081,146	2,044,376	3,068,945	4,220,897	3,632,670	3,138,344	1,849,077	1,162,359	384,993	381,164	21,723,702
Demand - Natural Gas Supply - \$	2,859,681	2,871,871	2,859,681	2,841,407	2,792,644	2,823,109	2,817,025	2,804,834	2,835,300	2,823,109	2,835,300	2,835,300	33,999,261
Demand - Distribution Charge - \$	876,663	876,663	876,663	876,663	876,663	876,663	876,663	876,663	876,663	876,663	876,663	876,663	10,519,956
Total Demand - \$	3,736,344	3,748,534	3,736,344	3,718,070	3,669,307	3,699,772	3,693,688	3,681,497	3,711,963	3,699,772	3,711,963	3,711,963	44,519,217
Commodity - \$ - PA	3,830,179	3,278,951	4,403,036	3,673,829	8,105,623	10,282,215	9,490,216	5,948,466	6,771,897	7,874,372	5,127,201	5,515,349	74,301,334
Net Commodity - \$	3,830,179	3,278,951	4,403,036	3,673,829	8,105,623	10,282,215	9,490,216	5,948,466	6,771,897	7,874,372	5,127,201	5,515,349	74,301,334
Total Cost - \$	7,566,523	7,027,485	8,139,380	7,391,899	11,774,930	13,981,987	13,183,904	9,629,963	10,483,860	11,574,144	8,839,164	9,227,312	118,820,551

¹ See Exhibit 23, Schedule 1

NATIONAL FUEL GAS DISTRIBUTION CORPORATION
Pennsylvania Division
Details of Storage
Twelve Months Ended July 2025

	2024	2025										Total	
	August	September	October	November	December	January	February	March	April	May	June		July
Rental Cost													
Demand	1,675,724	1,675,724	1,675,724	1,675,724	1,675,724	1,675,724	1,675,724	1,675,724	1,675,724	1,675,724	1,675,724	1,675,724	20,108,688
Commodity	43,945	45,228	41,307	31,174	37,270	75,959	59,557	68,565	2,120	48,639	46,644	47,551	547,959
Transportation Cost													
Demand	92,550	92,550	185,091	185,091	185,091	185,091	185,091	185,091	92,550	92,550	92,550	92,550	1,665,846
Commodity	1,224	1,143	715	901	376	2,697	1,987	1,788	897	1,082	1,163	920	14,893
Gas Cost													
Demand	(2,809,847)	(3,018,433)	(3,067,276)	2,322,241	2,743,411	5,695,125	4,444,183	5,083,515	(252,502)	(3,606,703)	(3,479,720)	(3,505,639)	548,355
Commodity	(2,853,525)	(3,065,353)	(3,608,661)	2,732,125	3,227,632	6,700,335	5,228,597	5,980,774	(297,069)	(4,243,300)	(4,093,904)	(4,124,398)	1,583,253
TOTAL COSTS													
Demand	(1,041,573)	(1,250,159)	(1,206,461)	4,183,056	4,604,226	7,555,940	6,304,998	6,944,330	1,515,772	(1,838,429)	(1,711,446)	(1,737,365)	22,322,889
Commodity	(2,808,356)	(3,018,982)	(3,566,639)	2,764,200	3,265,278	6,778,991	5,290,141	6,051,127	(294,052)	(4,193,579)	(4,046,097)	(4,075,927)	2,146,105
TOTAL	(3,849,929)	(4,269,141)	(4,773,100)	6,947,256	7,869,504	14,334,931	11,595,139	12,995,457	1,221,720	(6,032,008)	(5,757,543)	(5,813,292)	24,468,994

See Exhibit 23, Schedule 1

NATIONAL FUEL GAS DISTRIBUTION CORPORATION
 Pennsylvania Division
 Detail of Costs Related to Peoples Gas Company
 Twelve Months Ended July 2025

	2024	2025											
	August	September	October	November	December	January	February	March	April	May	June	July	Total
Mcf	116	111	224	485	955	1,055	864	804	467	240	142	120	5,583
Amount - \$	1,007	976	1,410	2,520	13,017	13,225	10,675	9,954	4,276	2,136	1,350	1,074	61,620

NATIONAL FUEL GAS DISTRIBUTION CORPORATION
 Pennsylvania Division
 Detail of Capacity Release Credits
 Twelve Months Ended July 2025

	2024	2025										Total	
	August	September	October	November	December	January	February	March	April	May	June		July
PA Capacity Release	115,648	114,696	124,451	165,953	213,983	197,793	184,666	177,762	132,060	121,261	131,179	121,068	1,800,518
PA Customer Wide Choice Capacity Release	425,318	425,318	425,318	425,318	425,318	425,318	425,318	425,318	425,318	425,318	425,318	425,318	5,103,825
Capacity Release Credit - \$	540,967	540,014	549,769	591,271	639,301	623,111	609,984	603,080	557,379	546,580	556,497	546,386	6,904,343

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NATIONAL FUEL GAS DISTRIBUTION CORPORATION

**Response of National Fuel Gas Distribution Corporation to the Commission's
Filing Requirement Codified at 52 Pa. Code Section 53.64(c)(1) --**

A complete list . . . of . . . the quantity and price of gas delivered, produced, transported or stored, maximum daily quantity levels, maximum annual quantity levels, a detailed description of warrantee or penalty provisions, including liquidated damages, take or pay provisions or minimum bill or take provisions of the purchases, balancing provisions and copies of Federal tariffs and contract provisions relating to the purchases-including demand and commodity components. With regard to each contemplated future source of supply, production, transportation or storage, during each of the next 20 months for each source, provide the name of the source, the maximum daily quantity, the maximum annual quantity, the minimum take levels, a detailed description of warrantee or penalty provisions, including liquidated damages, take or pay provisions or minimum bill or take provisions of the purchases, balancing provisions and contractual or tariffed terms of the purchases, copies of applicable Federal tariffs, the expiration date of each contract, the date when each contract was most recently negotiated and the details of the negotiation-such as meeting held, offers made, and changes in contractual obligation - and whether current proceedings, negotiations or renegotiations are pending before the Federal Energy Regulatory Commission, and the like, to modify the price, quantity or another condition of purchase, and if so, the details of the proceedings, negotiations or renegotiations. Gas supply sources which individually represent less than 3% of the total system supply may be shown collectively, such as other local gas purchases.

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- I. RATE DESIGN**
 - A. Pipeline Service Contracts in General
 - B. Transportation, Storage and Winter Gas Calls Capacity Contracts
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- II. GAS PURCHASE CONTRACTS/AGREEMENTS**
 - A. Take or Pay or Minimum Bill Provisions
 - B. Term Gas Purchases
 - C. Spot Gas Purchases
 - D. Market Area Purchases
 - E. Non-Firm Local Production Gas Purchases
 - F. Gas Purchases pursuant to Tariff

I. RATE DESIGN

A. Pipeline Service Contracts In General

During the historic period through November 30, 2023, the majority of gas supplies for sale to customers of Distribution were transported through National Fuel Gas Supply Corporation (“Supply” or “NFGSC”), Tennessee Gas Pipeline Company, L.L.C. (“Tennessee” or “TGP”), Texas Eastern Transmission, LP (“Texas Eastern” or “TETCO”) and Columbia Gas Transmission, LLC (“Columbia”). In most instances, gas supplies are transported to facilities of Supply by the other pipelines and redelivered by Supply to Distribution for its customers. Supply owns and operates extensive pipeline and storage facilities in Pennsylvania and New York and is subject to the jurisdiction of the Federal Energy Regulatory Commission (“FERC”).

1 Most interstate pipelines have primarily designed their rates on a straight-
2 fixed variable (“SFV”) basis, “... assigning all fixed costs related to transportation
3 to the reservation charge.” See Order No. 636, FERC Statutes and Regulations,
4 Regulations Preambles ¶¶30,939 at 30,434 (1992). Therefore, Distribution pays
5 nearly all the costs of its contracted pipeline transportation and storage through
6 demand charges. A very small portion of the costs of these services is paid on a
7 volumetric basis. An exception to this has been Tennessee. Pursuant to a
8 Settlement among the parties in its most recent rate case, Tennessee charges SFV
9 designed rates applicable for zones 0, 1, 2 and 3, and modified-fixed variable
10 (“MFV”) rates applicable for zones 4, 5 and 6. TGP’s MFV rates collect a
11 portion of fixed costs through the commodity charge.

12 **B. Transportation, Storage and Winter Gas Calls Capacity**
13 **Contracts**

14 Distribution continually evaluates its market needs and available
15 opportunities to adjust its capacity mix and gas source diversity, seeking to
16 achieve the least cost for customers while maintaining an acceptable level of
17 reliability. All of Distribution's pipeline and storage service contracts contain
18 right of first refusal contractual provision that allows the Company to consider
19 various options to retain or replace its existing capacity prior its contact
20 termination. Distribution’s current upstream transportation, storage and winter
21 gas calls capacity including notice dates and contract extension dates is
22 summarized on PGC Exhibit No. 4-A. Adjustments to transportation or storage

1 capacities that are expected to occur during the next 20 months are explained in
2 PGC Exhibit No. 8. Significant adjustments to existing capacity are as follows:

3 **TGP**

4 Distribution previously extended the term of its FT-A Service
5 Contract No. 2752 through March 31, 2027, which included 2 options to continue
6 shortening existing long-haul capacity paths from the Gulf production region to
7 short-haul capacity paths from Appalachian production region. See the table
8 below for the first option exercised during the historic period.

Long-haul Reduction Optionality				
Option	Option Exercise Date	Effective Date	Long-haul Capacity Quantity	Short-haul Capacity
Current			17,500	56,500
1	6/20/2023	4/1/2024	8,750	65,250

9

10 **C. No Cost Gas Exchange Agreements and Other Utility**
11 **Purchases**

12 Distribution has two Exchange Agreements with other Pennsylvania local
13 distribution companies. These companies are Columbia Gas of Pennsylvania, Inc.
14 and UGI Central Penn Gas, Inc. These agreements have allowed Distribution and
15 its counterparties to avoid replacing extensive, aging pipeline facilities to remote
16 pockets of customers by instead constructing more limited, less costly, facilities to
17 connect to the system of the nearby, counterparty utility.

18 Pursuant to the agreements, each day, each company takes the volume of
19 gas that it requires from the other company. The agreements do not contemplate a

1 sale, but an even exchange of gas between parties. As such, Distribution and its
2 counterparties do not charge each other for the gas they provide to each other, as
3 they receive approximately equal volumes of gas in return on a daily basis, or
4 over the course of time. There are no reservation-of-capacity fees, volumetric
5 commodity fees or any other fees. The on-going exchange balance with each
6 company is monitored on a monthly basis and, if necessary, trued-up via
7 additional deliveries at an exchange or a balancing point. These agreements have
8 no set termination dates.

9 Details regarding the volumes of gas exchanged are reported in PGC Exhibit
10 No. 1, Schedule 1, Sheet 6.

11 In addition to the no cost exchange agreements, Distribution also relies on
12 firm sales service from Peoples Natural Gas Company, LLC at two interconnections
13 where Distribution avoided extensive pipeline replacement of existing aging system
14 segments to serve its customers.

15 **D. Small Aggregation Transportation Customer (“SATC”) Capacity**

16 As of November 2023, eighteen SATC suppliers take release of
17 Distribution’s Supply EFT and ESS and TGP FT-A zone 4 capacities.

18 **II. GAS PURCHASE CONTRACTS/AGREEMENTS**

19 Distribution predominately negotiates with suppliers for firm gas supplies
20 and rarely agrees to interruptible gas supply terms. Distribution purchases gas on
21 a Term (delivery period greater than one month) delivery basis and a Spot
22 (delivery period equal to, or less than, one month) delivery basis. This section

1 separately describes the contract type, negotiation and purchase activities of Term
2 and Spot purchases.

3 **A. Take or Pay or Minimum Bill Provisions**

4 As Distribution contracts for gas supplies, it has and will continue to avoid
5 take-or-pay provisions and minimum commodity bill provisions. Distribution
6 does have Term gas supply contracts under which it exercises its rights to fix or
7 cap prices in the forward market and, as a result, these actions trigger must take,
8 fixed volume requirements. Failure to accept delivery of these fixed volumes
9 from a supplier would possibly result in Distribution paying the Supplier for
10 supplies not received. Accordingly, the Company limits such must take, fixed
11 volumes and has not been subjected to such payments. The Company's Gas Cost
12 Management Plan ("Plan") mitigate this risk by limiting the quantity of fixed or
13 cap priced supplies in its gas supply portfolio. These contracts are discussed here
14 and in PGC Exhibit No. 8. Distribution also has other Term gas supply contracts
15 that contain demand charges. The demand charge paid reflects a payment for the
16 firm commitment by those suppliers. A "keep-whole" charge provision
17 negotiated with some Term suppliers is specified in their contracts. The keep-
18 whole charges provide Distribution the right to use flexibility in the contract and
19 to pay the Supplier the cost of doing so at the time and for the amount of
20 flexibility used. Distribution can generally avoid exercising this contract right by
21 incorporating adequate daily flexibility in the planned purchases. Such charges

1 allow the Company to avoid significant demand charges, which would otherwise
2 be necessary to reserve such flexibility.

3 **B. Term Gas Purchases**

4 In general, under its standard long-term firm contracts (“Master Gas
5 Purchase Contract” or “Master Contract” and North American Energy Standards
6 Board (“NAESB”) Contract) Distribution pays a commodity price that is
7 generally based upon published Spot price indices, NYMEX Settlement or a
8 negotiated cash price (“Cash”). Under most such contracts, Distribution pays a
9 demand charge for the firm dedication and/or flexible supply of the gas.
10 Distribution strives to negotiate strong liquidated damages language in its
11 contracts in order to encourage suppliers to deliver the contracted-for volumes.
12 Term supply arrangements are typically negotiated with take or release flexibility,
13 providing Distribution with the ability either to take the gas monthly or daily or to
14 release the gas to the supplier.

15 **1. Negotiation Process**

16 During the summer prior to winter delivery, Distribution begins securing
17 gas supplies on a Term basis, utilizing a competitive bidding process, when and
18 where it concludes that Term contracts are necessary to ensure reliable deliveries.
19 Gas supply availability is evaluated in order; first to assure adequate delivery
20 quantities; second to determine whether premiums for Term supplies are
21 necessary; third to determine the current market price for the premiums; and
22 finally to determine whether Spot supplies are available, and, if so, whether they

1 are sufficiently abundant to assure the same level of reliability without such
2 premiums (or demand charges). This evaluation order may vary by season.

3 Distribution develops and forwards a Request for Proposal (“RFP”)
4 specifying the commercial terms of the proposed purchase transactions to the
5 appropriate suppliers. Suppliers submit their bids to Distribution for review.
6 Distribution then narrows the search to a short list of producers and marketers
7 based upon the criteria set forth in the RFPs. Distribution’s primary goal is to
8 ensure reliability of supply and availability of competitive pricing. Any past
9 working relationship between the supplier and Distribution is also a consideration.
10 Following discussions with these potential suppliers, Distribution selects specific
11 suppliers, and final contract terms are negotiated and agreed to between the
12 parties.

13 **2. Contract Details**

14 Distribution currently has thirty-three (33) Term supply contracts. Current
15 Term supply arrangements made pursuant to these contracts are noted in PGC
16 Exhibit No. 4-B.

17 Distribution has been able to contract for winter supplies at desirable
18 points generally with very small premiums. At times Distribution may elect to
19 replace some Term supplies with lower cost monthly Spot purchases. In these
20 instances, Distribution utilized its take-or-release option prior to the beginning of
21 each winter month to convert certain monthly Term deliveries to a Term daily call
22 option and replace those deliveries with lower cost market area monthly Spot

1 purchases. Distribution's ratepayers realize the market area savings without
2 jeopardizing winter supply reliability. A description of the purchases made under
3 the Term and Spot supply contracts for this past winter is provided below.

4 **3. Recent Purchases**

5 **For the winter of 2022 – 2023 (November 2022 through March 2023),**
6 Distribution's Northeast Shale purchases accounted for 100% of the total
7 supplies. Distribution purchased an average total of approximately 56,800Dth/day
8 from the following categories of gas supplies:

9 Forward fixed price gas –

10 Approximately 13,600 Dth/day purchased from five suppliers.

11 Monthly priced gas (Cash, NYMEX or Index) –

12 Approximately 16,400 Dth/day purchased from four Term
13 suppliers and approximately 1,400 Dth/day purchased in the
14 monthly Spot market from two Spot suppliers.

15 Daily priced gas (Cash and Index) –

16 Approximately 5,600 Dth/day of daily priced gas was elected from
17 six Term suppliers and 19,800 Dth/day was purchased in the daily
18 Spot market from eight Spot suppliers.

19 **For the summer of 2023 (April 2023 through October 2023),**

20 Distribution purchased 100% of the approximately 55,000 Dth/day of Northeast
21 Shale produced supplies from a variety of suppliers at market area receipt points
22 priced in the following categories:

- 1 Forward fixed price gas – 8,000 Dth/day
- 2 Monthly priced Term gas (Index) – 2,500 Dth/day
- 3 Monthly priced Spot gas (Cash, NYMEX or Index) –19,800 Dth/day
- 4 Daily priced gas (Cash and Index) –24,700 Dth/day

5 **4. Recent Negotiations or Renegotiations**

6 **For the winter of 2023 – 2024 (November 2023 through March 2024),**
7 in response to Distribution’s requests for winter supplies, ten (10) bidders
8 submitted offers. The best offers selected, combined with previously contracted
9 supplies, resulted in Distribution entering into agreements with suppliers to
10 purchase up to approximately 113,000 Dth/day of firm gas supplies. Four
11 suppliers are providing approximately 18,000 Dth/day of firm fixed price base
12 load gas supplies, two suppliers are providing 8,000 Dth/day of firm index price
13 base load gas supplies, and six suppliers are providing approximately 51,000
14 Dth/day of firm gas supplies with take-or-release flexibility. Distribution can elect
15 to price these supplies on either first of the month pricing (Index, Cash or
16 NYMEX) or daily pricing (Index or Cash) depending on the desired flexibility
17 during the delivery month.

18 Distribution anticipates opportunities to replace some monthly and daily
19 Term supplies with lower cost monthly and daily Spot supplies during this winter
20 period. Take-or-release upstream firm supply contracts with low demand charges
21 provide backup supplies should these Spot producers fail to deliver.

22 Lastly, Distribution entered into five winter gas call agreements for up to

1 36,000 Dth/day.

2 **C. Spot Gas Purchases**

3 Distribution purchases Spot gas from time to time on a daily or month-to-
4 month basis at negotiated market prices such as NYMEX Settlement adjusted by
5 an agreed upon “basis”, Cash or published Spot indices. Spot purchases are
6 generally entered into under the standardized contracts developed by the Gas
7 Industry Standards Board (“GISB”) and the NAESB for use in the natural gas
8 industry. The commercial terms of each purchase are specified and confirmed by
9 both parties using a standardized transaction confirmation.

10 Spot contracts are used primarily during non-winter months for daily or
11 monthly Spot purchases when flexibility is required, and the added reliability
12 obtained with a long-term firm contract is less of an issue. To achieve market
13 area savings without jeopardizing winter supply reliability, Distribution may
14 suspend winter Term purchases by electing the daily take-or-release option rather
15 than base loading a Term supply contract for a given delivery month and
16 replacing that gas delivery with an alternate lower-cost monthly Spot purchase,
17 adhering to the purchase diversification guidelines prescribed in the Plan. To
18 ensure reliable delivery to the ratepayer, Distribution may revert to daily
19 nomination of the Term contract for the duration of an unlikely interruption of
20 these Spot purchases.

21 Spot contracts were used to purchase approximately 61% of system gas
22 purchased during the period beginning December 1, 2022, and ending November

1 30, 2023.

2 **D. Market Area Purchases**

3 Located in the market area, the Marcellus and Utica producing formations
4 underlie a large geographic area containing numerous pipeline interconnects and
5 their associated market area trading hubs. Northeast production has exceeded 36
6 Bcf/day resulting in many pipelines reversing flow directions to transport
7 abundant, low cost Northeast Shale gas from the Northeast to other regions of
8 North America. Distribution continues to categorize all gas purchased in the
9 northeast as being either Marcellus or Utica Shale produced gas. Since May
10 2015, 100% of Distribution's supply has been purchased in the northeast market
11 area. Distribution purchases significant quantities of gas at citygate receipt points
12 into its Supply EFT capacity and at pooling receipt points within TGP's zone 4
13 region, TETCO's M2 region, and Columbia's reticulated system. TGP's pooling
14 point at station 219, situated where the 300 line splits from the 200 line in
15 Western Pennsylvania, is an effective market area pooling point for Distribution
16 to purchase supplies sourced from multiple production basins including the
17 Marcellus and Utica shale basins. Distribution's purchases from these market
18 area receipt points and pools accounted for 100% of its purchases during the
19 historic period.

1 **E. Non-Firm Local Production Gas Purchases**

2 Distribution purchased during the historic period (November estimated),
3 non-firm local production and Appalachian gas delivered into its system and
4 Supply's system as follows:

- 5 1. 88,250 Dth pursuant to "life-of-reserves" or "dedicated" contracts
- 6 priced at an Appalachian index ("AI"),
- 7 2. 142,804 Dth pursuant to excess gas purchase and/or NAESB gas
- 8 purchase contracts priced at 80% of the AI.

9 The AI is the simple average of the first of the month index prices for gas
10 delivered to Dominion Energy Transmission, Inc. and to Columbia.

11 **F. Gas Purchases pursuant to Tariff**

12 Distribution purchased, pursuant to its tariff during the historic period
13 (excluding the month of November for which data is not yet available or
14 estimable), 550,321 Mcf of PA Suppliers' Surplus Imbalances and 899 Mcf of
15 SATC supplier storage gas.

Transportation Capacity						
Pipeline & Rate Schedule	Contract	Dth/day	Contract Term	Contract Term Notice Period	Notice Date ⁽¹⁾	Contract End Date With Extension
Columbia Gas Transmission, Inc.						
FTS	80562	1,748	11/01/2004-3/31/2024	6 months	10/31/2023	3/31/2026
SST	80564	18,417	11/01/2004-3/31/2024	6 months	10/31/2023	3/31/2026
National Fuel Gas Supply Corp.						
EFT	E00528	291,130	8/1/1993 - 3/31/2024	12 months	3/31/2023	11/9/2026
EFT	E11178	9,000	4/1/2008 - 3/31/2024	6 months	10/31/2023	3/31/2025
EFT	E11969	10,000	11/1/2014 - 3/31/2024	6 months	10/31/2023	3/31/2025
EFT	E12642	10,000	11/1/2021 - 3/31/2024	12 months	3/31/2023	3/31/2025
FT	F12198	31,000	11/1/2017 - 3/31/2028	12 months		
FST	N12464	14,000	4/1/2020 - 3/31/2026	12 months		
Tennessee Gas Pipeline Company						
FT-A	2752	74,000	9/1/1993 - 3/31/2027	12 months		
Texas Eastern Transmission LP						
FT-1	911316	10,000	11/1/2016 - 10/31/2024	12 months	10/31/2023	10/31/2025

Storage Capacity							
Pipeline & Rate Schedule	Contract	Capacity	Dth/day	Contract Term	Contract Term Notice Period	Notice Date ⁽¹⁾	Contract Term With Extension
Columbia Gas Transmission, Inc.							
FSS	80566	564,031	18,417	11/1/1993-3/31/2024	6 months	10/31/2023	3/31/2026
National Fuel Gas Supply Corp.							
ESS**	G00539	8,755,100	187,563	8/1/1993 - 3/31/2024	12 months	3/31/2023	11/9/2026
FSS	O02432	200,000	10,666	4/1/2010 - 3/31/2024	6 months	10/31/2023	3/31/2025
FSS	O12463	651,274	14,000	4/1/2020 - 3/31/2026	12 months		

Winter Gas Calls			
Purchase Point	Dth/day	Contract Term	
NFGSC city gate receipt points	36,000	11/1/2023 - 3/31/2024	

⁽¹⁾ Notice date to extend contract exercised during historical period

**National Fuel Gas Distribution Corporation-Contract Terms
Firm Gas Purchase Contracts
Master & NAESB Gas Purchase Contract(s)**

Supplier	Contract Beginning Date	Current Purchase Term(s)
A	10/1/2003	11/1/2023-3/31/2024
B	7/1/1998	11/1/2023-3/31/2024
C	5/1/2013	11/1/2023-3/31/2024
D	10/1/2010	11/1/2023-3/31/2024
F	3/28/2009	11/1/2023-3/31/2024
G	6/24/2020	11/1/2023-3/31/2024
H	2/1/2022	11/1/2023-3/31/2024
I	7/1/1997	11/1/2023-3/31/2024
K	9/4/2019	11/1/2023-3/31/2024
J	9/15/2011	11/1/2023-3/31/2024
E	5/1/2009	No Purchases Currently
L	7/13/2016	No Purchases Currently
M	4/30/2011	No Purchases Currently
N	10/28/2005	No Purchases Currently
O	9/20/2013	No Purchases Currently
P	10/29/2004	No Purchases Currently
Q	11/28/2014	No Purchases Currently
R	9/1/2013	No Purchases Currently
S	1/1/2018	No Purchases Currently
T	9/1/2015	No Purchases Currently
U	8/1/2010	No Purchases Currently
V	1/9/2017	No Purchases Currently
W	7/29/2013	No Purchases Currently
X	1/1/2001	No Purchases Currently
Y	8/20/2009	No Purchases Currently
Z	7/1/1998	No Purchases Currently
AA	8/15/2009	No Purchases Currently
AB	7/6/2006	No Purchases Currently
AC	6/6/2003	No Purchases Currently
AD	5/1/2009	No Purchases Currently
AE	6/15/1998	No Purchases Currently
AF	3/15/2023	No Purchases Currently
AG	5/15/2023	No Purchases Currently

NATIONAL FUEL GAS DISTRIBUTION CORPORATION

53.64 (c) (3) A complete listing of sources of gas supply, transportation or storage and their costs, including shut-in and curtailed sources of supply, both inside and outside this Commonwealth considered by or offered to the utility but not chosen for use during the past 12 months, which 12-month period shall end 2 months prior to the date of the tariff filing, and reasons why the gas supply, transportation or storage was not selected for use as part of the utility's supply mix. A similar listing of gas sources, transportation or storage and associated projected costs offered or considered but not chosen to meet supply for the next 20 months, along with reasons for nonselection.

Details of the gas supply, transportation and storage that Distribution acquired during the historic period and for the next 20 months are provided in PGC Exhibit Nos. 4 and 8. Distribution chooses gas supplies, transportation and storage based upon their level of reliability, operational effectiveness and cost.

1

2

NATIONAL FUEL GAS DISTRIBUTION CORPORATION

3 53.64(c)(4) An annotated listing of Federal Energy Regulatory Commission or other
4 relevant non-Commission proceedings, including legal action necessary to relieve the
5 utility from existing contract terms which are or may be adverse to the interests of its
6 ratepayers, which affect the cost of the utility's gas supply, transportation or storage or
7 which might have an impact on the utility's efforts to provide its customers with reasonable
8 gas service at the lowest price possible. This list shall include docket numbers and shall
9 summarize what has transpired in the cases, and the degree of participation, if any, which
10 the utility has had in the cases. The initial list filed under this paragraph shall include all
11 cases for the past 3 years. Subsequent lists need only update prior lists and add new
12 cases.

13 A. Distribution's Participation in FERC Proceedings

14 Distribution has specific capacity on the following interstate pipelines to serve its
15 Pennsylvania end-users: Columbia Gas Transmission, LLC ("Columbia"), National Fuel
16 Gas Supply Corporation ("Supply"), Tennessee Gas Pipeline Company, L.L.C.
17 ("Tennessee"), and Texas Eastern Transmission, LP ("Texas Eastern").

18 Distribution actively participates at the Federal Energy Regulatory Commission
19 ("FERC") in proceedings involving the individual pipelines on which Distribution
20 transports and/or stores gas, as well as generic industry-wide proceedings that may have
21 an impact on Distribution and its customers.

22 Distribution actively represents its positions at the FERC, asserting its interests as a
23 local distribution company in all cases where such action is appropriate, including FERC
24 rulemakings, generic proceedings and the rate and certificate proceedings of Distribution's
25 upstream pipelines, including Supply. In this regard, Distribution's Deputy General
26 Counsel and Chief Regulatory Counsel, Regulatory Analyst II, and Senior Counsel, as
27 well as other regulatory and gas supply personnel in the Gas Supply Administration, Rates

1 and Regulatory Affairs, and Legal Departments, are responsible for identifying and/or
2 reviewing proceedings at FERC that affect or potentially affect Distribution and its
3 customers. When such a proceeding is identified, Distribution intervenes and participates
4 to ensure appropriate representation of Distribution and its customers. Such participation
5 may include attending and participating in customer meetings and public conferences,
6 presenting comments, and/or filing formal pleadings. Set forth at PGC Exhibit No. 6-A is
7 a list of FERC proceedings in which Distribution participated during the historical period
8 of December 1, 2022 to November 30, 2023 (“Historical Period”).

9 **1. Individual Pipeline Proceedings at the FERC**

10 During the Historical Period, Distribution participated in individual pipeline
11 proceedings at the FERC. Distribution’s participation in these proceedings focuses upon
12 major rate filings, periodic adjustments to trackers/surcharge mechanisms that impact rates
13 paid by Distribution, various refunds/credits, modifications to pipeline tariff provisions
14 impacting service to Distribution, and construction project/abandonment filings for
15 facilities that potentially impact service to Distribution and other matters that may have a
16 generic policy impact beyond the scope of the pipeline’s filing. In addition, Distribution
17 filed its FERC Form No. 552: Annual Report of Natural Gas Transactions on May 1,
18 2023. Significant filings during the Historical Period are detailed below.

19 **a. Columbia Gas Transmission, LLC**

20 **i. Capital Cost Recovery Mechanism Rate Filings**

21
22 In January 2013, the FERC approved a settlement between Columbia and its
23 customers (“Modernization I Settlement”) in Docket No. RP12-1021 that established a

1 Capital Cost-Recovery Mechanism (“CCRM”) that allows Columbia to make annual
2 limited filings under Section 4 of the Natural Gas Act (“NGA”) to charge an additive
3 capital demand rate (“CCRM Rate”) to recover Columbia’s revenue requirement related to
4 certain eligible projects constructed as part of the modernization efforts between January
5 1, 2013 and December 31, 2017. In February 2016, Columbia filed a related settlement
6 between Columbia and its customers (“Modernization II Settlement”) filed in Docket No.
7 RP16-314 that expanded the scope of the CCRM to include storage facilities and additional
8 transmission facilities and extended the modernization period through December 31, 2021.
9 The Modernization II Settlement was discussed in detail in the 2016 PGC Exhibit No. 6
10 (incorporated herein by reference) and was approved by FERC on March 17, 2016.

11 On March 1, 2023, Columbia submitted its Annual CCRM filing in Docket No.
12 RP23-524 containing revised rates to become effective on April 1, 2023. Based upon
13 contracted reservation quantities, Distribution’s estimated annual CCRM costs were
14 approximately \$80,000.

15 **ii. Operational Transaction Rate Adjustment Filings**

16
17 The Operational Transaction Rate Adjustment (“OTRA”) mechanism was initially
18 proposed by Columbia in April 2012 in Docket No. RP12-605 to recover the costs of
19 certain operational purchases and sales required to ensure a sufficient amount of gas
20 flowing into its system in northern Ohio. The OTRA mechanism is set forth in Section
21 49.4 of Columbia’s Tariff and provides for Columbia to make filings to adjust its OTRA
22 rates twice annually for a summer season (April 1 to October 31) and a winter season
23 (November 1 to March 31). These semiannual filings address both prospective changes in

1 the OTRA rate and prior over or under recoveries. The Modernization II Settlement
2 extended the OTRA mechanism through March 31, 2022.

3 Columbia submitted a filing at the FERC under Docket No. RP23-662 on March
4 31, 2023. The resulting OTRA demand surcharge of \$0.107/Dth, effective May 1, 2023,
5 was a decrease from the previous rate of \$0.206/Dth. The prior OTRA rate was set in
6 Docket No. RP23-126, which became effective on December 1, 2022. Both of the
7 aforementioned filings were approved by the FERC. On November 1, 2023, Columbia
8 filed under Docket No. RP24-121 to adjust the OTRA demand surcharge to \$0.091/Dth,
9 effective December 1, 2023. Based upon contracted reservation quantities, Distribution's
10 estimated OTRA costs during the Historic Period were approximately \$29,000.

11 **iii. Retainage Adjustment Mechanism Filing**

12
13 On February 28, 2023, Columbia submitted its annual Retainage Adjustment
14 Mechanism ("RAM") filing under Docket No. RP23-503 to adjust its retainage percentages
15 taking into account both prospective changes in retainage requirements and unrecovered
16 retainage quantities from the period January 1, 2022 through December 31, 2022. The
17 RAM calculation reflects the retainage percentages required to compensate Columbia for
18 company use gas and lost and unaccounted for volumes. Effective April 1, 2023,
19 transportation retainage increased from 1.831% to 2.132% and Storage Gas Loss Retainage
20 decreased from 0.436% to 0.405%.

21 **iv. Other Columbia Tracker Filings**

22 On February 28, 2023, Columbia filed its annual Electric Power Cost Adjustment
23 ("EPCA") tracker filing under Docket No. RP23-501, increasing the EPCA rate effective

1 April 1, 2023 from \$0.061/Dth to \$0.066/Dth. The EPCA rate permits Columbia to recover
2 electric power costs that are incurred for the compression or processing of natural gas and
3 for company use and operations from its customers. On the same date, Columbia filed its
4 annual Transportation Cost Rate Adjustment (“TCRA”) tracker filing under Docket No.
5 RP23-502 increasing the TCRA rate from \$0.401/Dth to \$0.481/Dth; also to be effective
6 April 1, 2023. The TCRA rate permits Columbia to recover transportation costs it incurs
7 on other interstate pipelines not otherwise recovered under the OTRA rates discussed
8 above. Based upon contracted reservation quantities, Distribution’s estimated annual
1 EPCA and TCRA costs were approximately \$12,000 and \$90,000, respectively.

2
3 b. National Fuel Gas Supply Corporation

4 **i. Fuel Tracker filing**

5 On February 15, 2023, Supply submitted its fuel tracker filing, which was intended
6 to be effective April 1, 2023, to adjust Supply’s Transportation Fuel and Company Use
7 Retention (“TFUR”), Transportation LAUF Retention (“TLAUF”) and Storage
8 Operating and LAUF Retention (“SOLR”). The proposed retainage adjustments in the
9 filing, which were derived from activity during the annual base period commencing
12 January 1, 2022, included a decrease in the TFUR from 0.79% to 0.72%, a decrease
13 in the TLAUF from 0.36% to 0.10% and a decrease in SOLR from .46% to .45%.

14 **ii. Pipeline Safety & Greenhouse Gas Cost (PS/GHG) Adjustment**
15 **Tracker**

16 On September 29, 2015, Supply filed an uncontested settlement of a rate case
17 extension under Docket No. RP15-1310 ("2015 Rate Settlement") which was addressed in
18 detail in Distribution’s PGC Exhibit No. 6 in 2016. The 2015 Rate Settlement
19 allowed Supply to include in its tariff a cost recovery mechanism to recover the cost of

1 service impact associated with Pipeline Safety Costs and Greenhouse Gas Costs (or
2 “PS/GHG Costs”). During the Historic Period, based upon rates set in Docket No. RP22-
3 1268, Distribution was charged approximately \$519,000 in PS/GHG Surcharges. On
4 September 29, 2023, Supply submitted its PS/GHG tracker filing in Docket No. RP23-
5 1097. The new PS/GHG surcharge became effective November 1, 2023.

6 The provisions of the cost recovery mechanism permit Supply to recover via
7 reservation surcharges the cost-of-service effect of two types of costs: i) Pipeline Safety
8 Costs incurred or projected to be incurred by Supply to comply with new legislation and
9 regulatory requirements for pipeline safety and ii) Greenhouse Gas Costs incurred or
10 projected to be incurred by Supply to comply with new legislation and new regulatory
11 requirements.

12 The proposed adjustments, which are in addition to the specified rates then in effect,
13 were as follows:

- 14 1) \$0.1210/Dth Storage PS/GHG Demand/Deliverability Surcharge;
- 15 2) \$0.0017/Dth Storage PS/GHG Capacity Surcharge;
- 16 3) \$0.0701/Dth Transmission PS/GHG Surcharge.

17 The estimated annual impact of the adjustments to the PS/GHG surcharges is
18 approximately \$99,000.

19 **iii. General NGA Section 4 Rate Case**

20 On July 31, 2019, Supply filed a general NGA Section 4 Rate Case in Docket No.
21 RP19-1426 proposing an approximately 48% increase to rates. Distribution engaged in a
22 customer group and a series of settlement negotiations that resulted in a Stipulation &
23 Agreement filed on March 13, 2020. The uncontested settlement was certified by FERC
24 on April 1, 2020 and approved on June 1, 2020. Settled rates went into effect February 1,
25 2020 reflecting an approximate increase to rates of 19%. On February 22, 2022,

1 Supply filed the Period 2 Settlement Rates to be effective April 1, 2022. This filing was
2 approved by the Commission on March 11, 2022. The settled rates remained in effect
3 during the Historical Period.

4 On July 31, 2023, Supply filed a general NGA Section 4 Rate Case in Docket No.
5 RP23-929 proposing an approximately 68% increase to rates. On August 31, 2023, the
6 Commission accepted and suspended the tariff records to be effective February 1, 2024,
7 subject to refund and the outcome of a hearing. Distribution attended the first settlement
8 conference held on October 19, 2023. A second settlement conference will be held on
9 December 13, 2023.

10 **c. Tennessee Gas Pipeline Company, L.L.C.**

11 **i. Fuel Tracker filing**

12 On May 15, 2015, Tennessee filed an offer of settlement ("2015 Settlement") in
13 Docket No. RP15-990 to resolve all rate and other related issues arising from an NGA
14 Section 4 rate case filing in Docket No. RP11-1566 ("2011 Rate Case"). The 2015
15 Settlement included a proposal to establish a fuel and electric power cost recovery
16 mechanism. The 2015 Settlement was approved by Commission Order dated July 1, 2015
17 and became effective on November 1, 2015.

18 On March 1, 2023, Tennessee filed its 2023 Fuel Tracker in Docket No. RP23-
19 522 which became effective April 1, 2023. The purpose of this tracker was recovery of (i)
20 Fuel and Losses for the prospective year based on quantities incurred by Tennessee during
21 the twelve-month period ending December 31, 2022 ("2022 Base Period") and (ii) the
22 balances as of the end of the 2022 Base Period in the applicable Deferred F&LR
23 subaccounts. Similarly, the revised EPCR reflects Tennessee's proposed recovery of (i)
24 Electric Power Costs for the prospective year based on costs incurred by Tennessee during

25 the 2022 Base Period and (ii) the balances as of the end of the 2022 Base Period in the
1 applicable Deferred EPCR subaccounts. In addition, the estimated volumes used to derive
2 the revised F&LR and EPCR reflect actual billable volumes realized by Tennessee during
3 the 2022 Base Period.

4 The fuel retention rate between Zone 4 and Zone 4 decreased from 0.58% to 0.40%.
5 The estimated annual impact of the decreased retainage is approximately \$14,000.

6
7 On March 1, 2021, Tennessee submitted a tariff filing in Docket RP21-552
8 proposing to modify the methodology used for a fuel and electric power cost recovery
9 mechanism related to a particular expansion project. The project shipper protested the
10 filing, claiming that the methodology proposed by Tennessee was unduly discriminatory,
11 and proposed a revised methodology. Distribution intervened in the matter and joined a
12 customer group of similarly situated local distribution companies. A hearing was held, and
13 the presiding Administrative Law Judge issued an Initial Decision finding Tennessee's
14 proposed tariff records to be just and reasonable. Thereafter, the project shipper filed
15 exceptions to the Initial Decision, and FERC Trial Staff filed a Brief Opposing
16 Exceptions to the Initial Decision. There was no additional activity during the Historical
17 Period, and this matter is currently pending.

17 **ii. Pipeline Safety & Greenhouse Gas Cost (PS/GHG) Adjustment**
18 **Tracker**

12
13 The 2015 Settlement also maintained the Pipeline Safety and Greenhouse Gas Cost
14 Adjustment Mechanism implemented as part of the 2011 Rate Case. During the Historic
15 Period, based upon rates set in Docket No. RP22-1245, Distribution was charged
16 approximately \$55,000 in PS/GHG Surcharges. On September 29, 2023 Tennessee filed to
17 increase their PS/GHG Reservation Surcharges by \$0.0005/Dth to \$0.0462/Dth and

18 PS/GHG Commodity Surcharges by \$0.0001/Dth to \$0.0019/Dth effective November 1,
1 2023. The filing reflected Tennessee’s proposed recovery of (i) costs projected to be
2 incurred by Tennessee during an Annual Period from November 1, 2023 through October
3 31, 2024 and (ii) costs incurred or projected to be incurred by Tennessee through October
4 31, 2023; the end of the immediately preceding Annual Period. The estimated annual
5 impact of the rate change to Distribution is approximately \$2,000.

a. d. Texas Eastern Transmission, LP.

b. i. PCB Tracker Mechanism

6 On March 18, 1992, FERC approved a settlement creating a PCB Cleanup surcharge
7 mechanism (“PCB Tracker”) under Docket No. RP88-27 (“1992 PCB Settlement”). The
8 PCB Tracker had a 25-year lifetime which expired on March 31, 2017. In early August
9 2017, Texas Eastern filed a Joint Settlement Extension Agreement in Docket Nos. RP17-
10 964 and RP17-967 (“2017 Settlement Extension”). On October 10, 2017, FERC issued a
11 Letter Order approving Texas Eastern’s filing of the Joint Settlement Extension Agreement.
12 The 2017 Settlement Extension addresses the extension of, and certain modifications to,
13 the 1992 PCB Settlement. Significantly, the term of the 1992 PCB Settlement was extended
14 from March 18, 2017 through November 30, 2027.

15 Texas Eastern’s PCB tracker rate during the Historic Period, which was set in
16 Docket No. RP23-100, resulted in approximately \$(1,200) of cost to Distribution. On
15 October 30, 2023, Texas Eastern filed to adjust its PCB Tracker Mechanism rates under
16 Docket No. RP24-82, with an effective date of December 1, 2023. This filing, which was
17 accepted by FERC on November 17, 2023, provides for a reservation rate surcharge of
18 (\$0.003)/Dth, i.e., a decrease of \$4,400 annually.

19 iii. Other Tracker Filings

20
21 On December 30, 2022 and on June 30, 2023, Texas Eastern filed its semi-annual

22 Electric Power Cost Adjustment (“EPCA”) tracker filings under Docket Nos. RP23-330
1 (accepted by FERC January 18, 2023) and RP23-862 (accepted by FERC July 24, 2023),
2 respectively. These filings adjusted the EPCA rate effective February 1, 2023 and August
3 1, 2023, again respectively. The EPCA rate permits Texas Eastern to recover electric
4 compression costs from its customers. Based upon contracted reservation quantities and
5 usage quantities during the Historical Period, Distribution’s EPCA costs were
6 approximately \$37,000.

7 On October 31, 2023, Texas Eastern filed its annual Applicable Shrinkage
8 Adjustment (“ASA”) filing to be effective December 1, 2023 in Docket No. RP24-102.
9 The ASA calculation reflects the retainage percentages required to compensate Texas
10 Eastern for company use gas, including compression, and lost and unaccounted for
11 volumes. The filing was approved on November 20, 2023 and resulted in a 0.03% increase
12 in retainage volumes provided by Distribution when it ships gas on the Texas Eastern
13 system.

14 **iv. General NGA Section 4 Rate Case**

15 On July 30, 2021, Texas Eastern filed a general NGA Section 4 Rate Case in
16 Docket No. RP21-1001 proposing an approximately 53% increase to rates. In the filing,
17 Texas Eastern proposed to utilize a corporate tax rate of 25% under the assumption that
18 Congress will raise the current tax rate (21%) in the near future. The Commission rejected
19 the filing, concluding that the increased tax rate is speculative. The Commission also found
20 that elements of Texas Eastern’s reservation charge failed to comply with Commission
21 policy, and that the tariff changes appeared to be unjust and unreasonable. The
22 Commission ordered Texas Eastern to show cause as to why its tariff concerning
23 reservation charge credits conforms with Commission policy. Texas Eastern made the

1 required filing. On September 30, 2021, Texas Eastern also re-filed a new general NGA
2 Section 4 Rate Case in Docket No. RP21-1188 proposing an approximately 43% increase
3 to rates. Distribution joined a customer group with similarly situated local distribution
4 companies. As part of the customer group, Distribution engaged in a series of settlement
5 negotiations that resulted in a Stipulation & Agreement filed on September 8, 2022. The
6 Commission issued a Letter Order approving the Stipulation and Agreement on November
7 30, 2022. The Commission issued an Order on April 3, 2023 accepting the compliance
8 filing tariff records. On May 12, 2023, Texas Eastern issued a Base Rate Refund Report,
9 which was approved on June 9, 2023.

10 e. Gas-Electric Communications of Operational Information with PJM
11 Interconnection, L.L.C. (“PJM”)

12
13 There were no PJM filings during the Historical Period that warranted Distribution’s
14 regulatory involvement, however, Distribution and PJM share non-public, operational
15 information for the purpose of promoting reliable service or operational planning pursuant
16 to FERC Orders 787 and 787-A. FERC allows for electric transmission operators to share
17 non-public, operational information with LDCs, subject to various conditions, which are
18 reflected in PJM’s tariff.

19 f. National Fuel Gas Distribution Corporation

20 On August 20, 1981, FERC granted Distribution an Order No. 63 Certificate,
21 authorizing Distribution to sell, transport or assign gas to the same extent and in the same
22 manner that intrastate pipelines are authorized to engage in such activities by Subparts (C),
23 (D), and (E) of Part 284 and Section 284.203 of the Commission’s regulations. FERC’s
24 order granting Distribution’s Order No. 63 Certificate expressly provided that, prior to
25 charging a transportation rate for such service, Distribution was required to file for approval

1
2 of a rate methodology pursuant to 18 C.F.R. § 284.224(e)(2). Under current regulations,
3
4 intrastate pipelines operating under 18 C.F.R. § 284.224(e)(2) are required to amend their
5
6 transportation rate every five years; Distribution’s last such filing occurred in February
7
8 2018. Distribution filed to amend its rates in Docket No. PR23-68 on August 31, 2023.
9
10 FERC accepted Distribution’s revised rates, as filed, on October 6, 2023. Finally,
11
12 Distribution submitted four FERC Form 549D – Quarterly Transportation and
13
14 Storage Report of Intrastate Natural Gas and Hinshaw Pipelines filings during the
15
16 Historic Period.¹
17

18 **2. FERC Rulemakings and Generic Federal Proceedings**

19 **a. American Gas Association**

20 Distribution is an active member of the American Gas Association (“AGA”). AGA is
21
22 the national trade association of local gas distribution companies (“LDCs”). AGA acts as an
23
24 advocate for LDCs and their customers before Congress, the FERC, the Commodity Futures
25
26 Trading Commission (“CFTC”) (which regulates certain aspects of energy trading), the Pipeline
27
28 and Hazardous Materials Safety Administration (“PHMSA”), other federal agencies, and the
29
30 courts. Regarding FERC, AGA among other things, participates in FERC rulemakings and other
31
32 proceedings to ensure that LDCs and their customers can obtain necessary services from interstate
33
34 pipelines at rates, terms, and conditions that are just and reasonable. AGA also participates in
35
36 FERC proceedings to support the development of reasonable policies involving gas-electric
37
38 coordination, in order to ensure that the growing use of natural gas for electric power generation
39
40 does not adversely affect service to residential and business/industrial natural gas customers.
41
42 Moreover, AGA participates in PHMSA proceedings to support the development of pipeline safety
43
44 regulations that are designed to improve public safety in a reasonable and cost-effective manner.

45 Through AGA, Distribution has participated in recommending positions to FERC, other
46
47 federal agencies, appellate courts and Congress on issues of importance to Distribution and LDCs

¹ FERC Form No. 549D were filed on February 2, 2023, May 3, 2023, August 3, 2023, and November 2, 2023.

1 as a group. Distribution has found that active participation in AGA is an effective and efficient
2 way to ensure that its position is heard on large generic issues facing LDCs. As a member of AGA,
3 Distribution advocates development of LDC positions consistent with its own stance on such
4 issues.

5 AGA filed several filings at FERC during the historical period. On December 19, 2022,
6 AGA, along with the American Public Gas Association, American Forest & Paper Association,
7 Industrial Energy Consumers of America, Process Gas Consumers Group, and Natural Gas Supply
8 Association submitted a rehearing request in *Revised Filing and Reporting Requirements for*
9 *Interstate Natural Gas Company Rate Schedules and Tariffs*, Docket No. RM21-18-000, requesting
10 FERC to revise Order No. 884 to state that relevant material to be filed in a Natural Gas Act
11 section 4 proceedings in native form is public information, including embedded codes and links.
12 On March 13, 2023 and June 12, 2023, AGA filed an intervention and submitted post-technical
13 conference comments in *Florida Gas Transmission Company, LLC*, Docket No. RP23-466-000,
14 which concerns Florida Gas Transmission Company, LLC's ("FGT") proposal to modify its tariff
15 language to provide standards and establish procedures that will allow for receipt of renewable
16 natural gas ("RNG") on FGT's pipeline system. On June 12, 2023, AGA intervened in *Application*
17 *of Argus Media Inc. for Price Index Developer Re-Approval under the Revised Policy Statement on*
18 *Natural Gas and Electric Price Indices*, Docket No. PL03-3-012. On February 22, 2023, AGA
19 intervened in *Application of S&P Global Commodity Insights for FERC PRA Re-approval for*
20 *Natural Gas Indices*, Docket No. PL03-3-011. On April 26, 2023, AGA filed an intervention in
21 *Columbia Gas of Virginia*, Docket No. CP23-77-000, which concerns an application for a
22 certificate to transport RNG in interstate commerce.

23 AGA also intervened in several FERC dockets of interest to members throughout the
24 historical period. For example, AGA intervened in several dockets related to the certification of
25 facilities. These certificate cases included Docket Nos. Docket No. CP23-30-000 (intervention
26 filed on January 10, 2023), Docket Nos. CP22-21-000 and CP22-22-000 (intervention filed on
27 January 23, 2023), Docket No. CP22-493-000 (intervention filed on February 7, 2023), Docket No.

1 CP23-541-000 (intervention filed on October 3, 2023), and Docket No. CP24-8-000 (intervention
2 filed on November 20, 2023).

3 Regarding other federal agencies, AGA is active in proceedings of interest to members.
4 For example, AGA is active at the CFTC and PHMSA, among others, during the historical period.
5 Specifically, AGA was active on the CFTC's Energy and Environmental Markets Advisory
6 Committee which advises the agency on energy derivative matters.

7 Concerning PHMSA, on August 16, 2023, AGA, along with other trade associations filed
8 joint comments on PHMSA's Notice of Proposed Rulemaking, Pipeline Safety: Gas Pipeline Leak
9 Detection and Repair. The joint comments support the intent of the proposed rule and share
10 PHMSA's goals of addressing methane emissions, but raised certain concerns related to the
11 proposal, such as on matters related to costs and the implementation timeline, among others.

12 AGA also makes submissions in cases before the Supreme Court and the U.S. Court of
13 Appeals. For example, on July 19, 2023, AGA joined several other associations in filing an amicus
14 brief in *Mountain Valley Pipeline, LLC v. Wilderness Society, et al v. Appalachian Voices, et al.*,
15 Docket Nos. 23-1592, 23-1594, & 23-1384 (Sup. Court). The amicus brief supported the request
16 for an emergency relief to prevent unreasonable delays of the Mountain Valley Pipeline that was
17 already approved by Congress. On October 24, 2023, AGA filed an amicus brief in *New Jersey*
18 *Conservation Foundation, et al., v. FERC*, Docket Nos. 23-1064, *et al.* AGA filed the brief in
19 support of the LDCs that contracted for capacity on the pipeline project that received a FERC
20 certificate.

21 On behalf of more than 200 LDCs, AGA provides a level of advocacy that individual
22 LDCs could not possibly achieve on their own. For example, AGA advocates in favor of Low-
23 Income Home Energy Assistance Program ("LIHEAP") funding, which enables low-income gas
24 customers to avoid disconnection of service when they are unable to pay their gas bills.
25 Furthermore, AGA holds numerous conferences, workshops, and webinars to help members keep
26 current on the latest issues facing the industry, along with the newest practices and technologies in
27 various fields, such as operations and engineering, accounting, legal, information technology,

1 finance, customer activities, government relations, and communications. AGA also provides
2 reference materials and standards that help member companies to implement the best and most
3 current operational and business practices.

4 All these services provided by AGA, benefit current natural gas customers by helping
5 AGA member companies to achieve operational, technological, and customer service excellence,
6 and helping those companies enhance the safe delivery of natural gas to consumers.

7 **b. North American Energy Standards Board**
8

9 Distribution is a member of the North American Energy Standards Board
10 (“NAESB”) within the Wholesale Gas Quadrant, LDC Segment. NAESB is a broad-based
11 standards organization, which addresses standards/model business practices development
12 for three industry quadrants: Wholesale Gas, Wholesale Electric, and Retail (addressing
13 both gas and electric retail business practices). Distribution’s participation in NAESB
14 helps to ensure that the LDC position is recognized in resolving the many issues being
15 addressed by this organization. Distribution has closely monitored the ongoing NAESB
16 compliance filings made by the upstream pipelines, filing substantive comments as
17 warranted.
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25

FERC Filings for which NFG is the Author: Pipeline: COLUMBIA GAS TRANSMISSION
DateRange: 12/01/2022 - 11/30/2023

Docket #	Document Type	Filing Date	Description
RP23-318	MOTION FOR LEAVE TO INTERVENE	12/30/2022	COMPLIANCE FILING: PENALTY REVENUE CREDIT REPORT 2022 TO BE EFFECTIVE N/A
RP23-501	MOTION FOR LEAVE TO INTERVENE	2/28/2023	§4(D) RATE FILING: EPCA 2023 TO BE EFFECTIVE 4/1/2023
RP23-502	MOTION FOR LEAVE TO INTERVENE	2/28/2023	§4(D) RATE FILING: TCRA 2023 TO BE EFFECTIVE 4/1/2023
RP23-503	MOTION FOR LEAVE TO INTERVENE	2/28/2023	§4(D) RATE FILING: RAM 2023 TO BE EFFECTIVE 4/1/2023
RP23-524	MOTION FOR LEAVE TO INTERVENE	3/1/2023	§4(D) RATE FILING: CCRM 2023 TO BE EFFECTIVE 4/1/2023
RP23-662	MOTION FOR LEAVE TO INTERVENE	3/31/2023	§4(D) RATE FILING: OTRA SUMMER 2023 TO BE EFFECTIVE 5/1/2023
RP23-824	MOTION FOR LEAVE TO INTERVENE	6/1/2023	§4(D) RATE FILING: PERIODIC TCRA FILING - TEXAS EASTERN REFUND TO BE EFFECTIVE 7/1/2023
RP24-121	MOTION FOR LEAVE TO INTERVENE	11/1/2023	§4(D) RATE FILING: OTRA WINTER 2023 TO BE EFFECTIVE 12/1/2023

FERC Filings for which NFG is the Author: Pipeline: NFG SUPPLY
DateRange: 12/01/2022 - 11/30/2023

Docket #	Document Type	Filing Date	Description
RP23-441	MOTION FOR LEAVE TO INTERVENE	2/15/2023	COMPLIANCE FILING: FUEL TRACKER FILING GT&C 41 (2023) TO BE EFFECTIVE 4/1/2023
RP23-1097	MOTION FOR LEAVE TO INTERVENE	9/29/2023	§4(D) RATE FILING: GT&C SECTION 42 GHG/PS FILING 2023 TO BE EFFECTIVE 11/1/2023

FERC Filings for which NFG is the Author: Pipeline: TENNESSEE GAS PIPELINE
DateRange: 12/01/2022 - 11/30/2023

Docket #	Document Type	Filing Date	Description
RP23-210	MOTION FOR LEAVE TO INTERVENE	11/29/2022	COMPLIANCE FILING: CASHOUT REPORT 2021-2022 TO BE EFFECTIVE N/A
RP23-522	MOTION FOR LEAVE TO INTERVENE	3/1/2023	§4(D) RATE FILING: TGP 2023 FUEL TRACKER FILING DOCKET NO RP23- TO BE EFFECTIVE 4/1/2023
RP23-863	MOTION FOR LEAVE TO INTERVENE	6/30/2023	TARIFF AMENDMENT: AMENDMENT TGP POWERSERVE TO BE EFFECTIVE 10/1/2023
RP23-1103	MOTION FOR LEAVE TO INTERVENE	9/29/2023	§4(D) RATE FILING: PIPELINE SAFETY AND GREENHOUSE GAS COST ADJUSTMENT MECHANISM - 2023 TO BE EFFECTIVE 11/1/2023

FERC Filings for which NFG is the Author: Pipeline: TEXAS EASTERN TRANSMISSION
DateRange: 12/01/2022 - 11/30/2023

Docket #	Document Type	Filing Date	Description
RP23-330	MOTION FOR LEAVE TO INTERVENE	12/30/2022	§4(D) RATE FILING: TETLP EPC FEB 2023 FILING TO BE EFFECTIVE 2/1/2023
RP23-451	MOTION FOR LEAVE TO INTERVENE	2/21/2023	COMPLIANCE FILING: TETLP FEBRUARY 2023 PENALTY DISBURSEMENT REPORT TO BE EFFECTIVE N/A
RP23-664	MOTION FOR LEAVE TO INTERVENE	3/31/2023	COMPLIANCE FILING: TETLP MARCH 2023 PENALTY DISBURSEMENT REPORT TO BE EFFECTIVE N/A
RP23-862	MOTION FOR LEAVE TO INTERVENE	6/30/2023	§4(D) RATE FILING: TETLP EPC AUG 2023 FILING TO BE EFFECTIVE 8/1/2023
RP23-980	MOTION FOR LEAVE TO INTERVENE	8/25/2023	COMPLIANCE FILING: TETLP AUGUST 2023 PENALTY DISBURSEMENT REPORT TO BE EFFECTIVE N/A
RP24-68	MOTION FOR LEAVE TO INTERVENE	10/27/2023	COMPLIANCE FILING: TETLP OCTOBER 2023 PENALTY DISBURSEMENT REPORT TO BE EFFECTIVE N/A
RP24-82	MOTION FOR LEAVE TO INTERVENE	10/30/2023	§4(D) RATE FILING: TETLP PCB DEC 2023 FILING TO BE EFFECTIVE 12/1/2023
RP24-102	MOTION FOR LEAVE TO INTERVENE	10/31/2023	§4(D) RATE FILING: TETLP ASA DEC 2023 FILING TO BE EFFECTIVE 12/1/2023

FERC Filings for which NFG is the Author - NFGDC FERC Required Filings
DateRange: 12/01/2022 - 11/30/2023

Docket #	Document Type	Filing Date	Description
FORM 549D	REPORT / FORM	2/2/2023	QUARTERLY TRANSPORTATION AND STORAGE REPORT OF INTRASTATE NATURAL GAS AND HINSHAW PIPELINES
FORM 552	REPORT / FORM	5/1/2023	ANNUAL REPORT OF NATURAL GAS TRANSACTIONS
FORM 549D	REPORT / FORM	5/3/2023	QUARTERLY TRANSPORTATION AND STORAGE REPORT OF INTRASTATE NATURAL GAS AND HINSHAW PIPELINES
FORM 549D	REPORT / FORM	8/3/2023	QUARTERLY TRANSPORTATION AND STORAGE REPORT OF INTRASTATE NATURAL GAS AND HINSHAW PIPELINES
FORM 549D	REPORT / FORM	11/2/2023	QUARTERLY TRANSPORTATION AND STORAGE REPORT OF INTRASTATE NATURAL GAS AND HINSHAW PIPELINES

NATIONAL FUEL GAS DISTRIBUTION CORPORATION

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

Page 2 of this Exhibit provides a copy of National Fuel Gas Distribution Corporation's Form-IRP-GAS-1A: Annual Gas Demand Requirements, as filed in the Company's Annual Resource Planning Report (ARPR) for the Pennsylvania Division, pursuant to 52 Pa. Code §59.81-84.

Form-IRP-GAS-1A: Annual Gas Demand Requirements
Reporting Utility: National Fuel Gas Distribution Corporation - Pennsylvania Division
(Volumes in MMcf)

Index Year: Actual Year:	Historical Data		Current Year	Three Year Forecast		
	-2 2021	-1 2022	0 2023	1 2024	2 2025	3 2026
Firm Sales:						
Retail Residential	16,297	18,089	18,035	18,279	18,398	18,596
Retail Commercial	2,952	3,370	2,964	2,987	2,990	3,005
Retail Industrial	252	347	238	240	239	240
Electric power generation	0	0	0	0	0	0
Exchange with other utilities	0	0	0	0	0	0
Unaccounted for Gas	(67)	(209)	32	33	33	33
Company Use	7	8	15	15	15	15
Other (Off-system)	0	0				
Subtotal Firm Sales	19,441	21,605	21,285	21,553	21,674	21,889
Interruptible Sales:						
Retail	0	0	0	0	0	0
Electric power generation	0	0	0	0	0	0
Company's Own Plant	0	0	0	0	0	0
Subtotal Interruptible	0	0	0	0	0	0
Subtotal Firm and Interruptible Sales:	19,441	21,605	21,285	21,553	21,674	21,889
Transportation:						
Firm Residential	1,956	2,004	1,935	1,881	1,813	1,751
Firm Commercial	6,342	6,596	6,932	7,010	7,061	7,149
Firm Industrial	17,812	16,903	18,728	19,699	20,116	20,291
Interruptible Residential	0	0	0	0	0	0
Interruptible Commercial	0	0	0	0	0	0
Interruptible Industrial	0	0	0	0	0	0
Electric power generation	0	0	0	0	0	0
Subtotal Transportation	26,110	25,502	27,594	28,590	28,990	29,191
Total Gas Requirements	45,551	47,107	48,878	50,143	50,664	51,080
Increase (Decrease)		1,556	1,771	1,265	521	415
Percent Change (%)		3.4%	3.8%	2.6%	1.0%	0.8%

NATIONAL FUEL GAS DISTRIBUTION CORPORATION

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

Attached hereto as pages 2 – 5 are copies of National Fuel Gas Distribution Corporation's (a) Form-IRP-Gas-2A Natural Gas Supply – Annual Supply in accordance with PUC Docket No. L-920066: Integrated Resource Planning for Gas Utilities pursuant to 52 Pa. Code § 59.81 – 84 as filed in June 2023;(b) Form-IRP-Gas-2A Natural Gas Supply - Peak Day Supply; (c) Form-IRP-Gas-2B Natural Gas Transportation; (d) Form-IRP-Gas-2C Natural Gas Storage.

Form-IRP-GAS-2B: Natural Gas Transportation
Reporting Utility: National Fuel Gas Distribution Corporation - Pennsylvania Division
(Volumes in MMcf)

Index Year Actual Year	Historical Data				Current Year		Three Year Forecast					
	-2 2021		-1 2022		0 2023		1 2024		2 2025		3 2026	
	Annual	Peak	Annual	Peak	Annual	Peak	Annual	Peak	Annual	Peak	Annual	Peak
City Gate Transportation Contracts (List): ¹												
1. N.F.G.S.C. - EFT	19,823.3	163.9	21,133.8	170.1	21,521.5	261.1	21,785.9	265.2	21,900.2	266.2	22,108.8	268.7
Other - Transportation to end users	26,110.0	117.9	25,502.0	150.2	27,594.0	188.1	28,590.0	189.3	28,990.0	189.2	29,191.0	190.2
Total	45,933.3	281.8	46,635.8	320.3	49,115.5	449.2	50,375.9	454.6	50,890.2	455.4	51,299.8	458.9
Upstream Transportation Contracts:	Annual	Peak	Annual	Peak	Annual	Peak	Annual	Peak	Annual	Peak	Annual	Peak
1. TGP Zone 4	4,738.9	17.4	7,330.5	58.9	14,327.7	60.7	15,037.5	61.1	14,937.5	61.6	15,564.1	62.1
2. Columbia G. T.	1,328.8	12.7	2,031.7	1.7	334.8	1.7	332.9	1.7	333.5	1.7	330.5	1.7
3. Texas Eastern	3,444.1	9.5	3,012.8	9.5	3,813.9	9.5	3,823.5	9.5	3,813.9	9.5	3,813.9	9.5
Other (NFGSC & NFGDC)	-	44.8	-	36.8	-	34.3	-	34.3	-	34.3	-	34.3
Total	9,511.7	84.4	12,375.0	106.9	18,476.4	106.2	19,193.9	106.6	19,084.9	107.1	19,708.5	107.6
Storage Related Transportation Contracts: ²	Annual	Peak	Annual	Peak	Annual	Peak	Annual	Peak	Annual	Peak	Annual	Peak
1. ESS - NFGSC	5,973.8	54.0	6,063.0	21.1	5,734.4	113.2	5,612.9	117.0	5,859.9	117.4	5,561.2	119.5
2. FSS - NFGSC	153.9	9.5	212.3	9.5	187.4	10.2	152.7	10.2	148.9	10.2	148.9	10.2
3. FSS 2 - NFGSC	292.4	12.4	200.2	13.4	530.9	13.4	460.4	13.4	466.1	13.4	466.1	13.4
4. FSS-SST Col.	405.1	4.7	478.9	16.9	647.3	17.6	484.4	17.6	484.4	17.6	484.4	17.6
Other	-	-	-	-	-	-	-	-	-	-	-	-
Total	6,825.2	80.6	6,954.5	60.9	7,100.0	154.4	6,710.4	158.2	6,959.3	158.6	6,660.6	160.7

¹ Rank contracts in order of magnitude for the current year. Reporting should proceed along rank ordering until 75% of total contract supplies is accounted for, or until ten contracts have been listed, whichever occurs first. Provide a separate sheet identifying the supplier for each contract listed. (Note: rank ordered based on annual).

² Storage should net to zero (Net withdrawal activity on Sheet 2-C)

Form-IRP-GAS-2C: Natural Gas Storage
Reporting Utility: National Fuel Gas Distribution Corporation - Pennsylvania Division
(Volumes in MMcf)

Index Year Actual Year	Historical Data				Current Year		Three Year Forecast					
	-2 2021		-1 2022		0 2023		1 2024		2 2025		3 2026	
	Annual	Peak	Annual	Peak	Annual	Peak	Annual	Peak	Annual	Peak	Annual	Peak
Storage Contracts (List): ¹												
1. NFGSC (ESS 1)	5,973.8	54.0	6,063.0	21.1	5,734.4	113.2	5,612.9	117.0	5,859.9	117.4	5,561.2	119.5
2. NFGSC (FSS)	153.9	9.5	212.3	9.5	187.4	10.2	152.7	10.2	148.9	10.2	148.9	10.2
3. NFGSC (FSS 2)	292.4	12.4	200.2	13.4	530.9	13.4	460.4	13.4	466.1	13.4	466.1	13.4
4. Columbia (FSS)	405.1	4.7	478.9	16.9	647.3	17.6	484.4	17.6	484.4	17.6	484.4	17.6
Other	-	-	-	-	-	-	-	-	-	-	-	-
Total	6,825.2	80.6	6,954.5	60.9	7,100.0	154.4	6,710.4	158.2	6,959.3	158.6	6,660.6	160.7

¹ Rank contracts in order of magnitude for the current year. Reporting should proceed along rank ordering until 75% of total contract supplies is accounted for, or until ten contracts have been listed, whichever occurs first. Provide a separate sheet identifying the supplier for each contract listed. (Note: rank ordered based on MDQ).

NATIONAL FUEL GAS DISTRIBUTION CORPORATION**Response of National Fuel Gas Distribution Corporation to the Commission's
Filing Requirement Codified at 52 Pa. Code §53.64(c)(6) --**

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

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- A. Reservation of Capacity - Generally
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- C. Release of Capacity to SATS Suppliers
- D. Retained Capacity for Temperature Variability and Peaking

II. DISTRIBUTION'S LEAST COST PURCHASE STRATEGY

- A. General
- B. Pipeline Costs
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- D. Storage Utilization Strategy
- E. Future Capacity and Procurement Plans
- F. No Cost Gas Exchange Agreements and Other Utility Purchases
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III. CREDITS FOR CAPACITY RELEASE, OFF-SYSTEM SALES AND STORAGE FILL AGREEMENTS

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- C. Off-system Sales
- D. Storage Fill Agreements
- E. Asset Management Arrangements

IV. STAFFING AND EXPERTISE OF FUEL PROCUREMENT PERSONNEL

1
2 This statement of gas purchase practices and strategy provides a
3 summary of the procedures for obtaining gas supplies during the historic
4 reconciliation period (the 12 months ended November 30, 2023), the procedures to
5 be used during the period December 1, 2023 through July 31, 2024 and expected to
6 be used during the period August 1, 2024 through July 31, 2025. The last
7 referenced period (August 1, 2024 through July 31, 2025) is the Application Period
8 during which, subject to quarterly adjustments, recovery rates set in this proceeding
9 will be in effect.

10 **I. CAPACITY RESERVED FOR DISTRIBUTION'S CUSTOMERS**

11 **A. Reservation of Capacity - Generally**

12 Distribution has entered into contracts for transportation and storage
13 capacity on National Fuel Gas Supply Corporation (“Supply”) and on upstream
14 interstate pipelines to meet the requirements of its firm sales customers.

15 Distribution’s system consists of numerous small, geographically
16 dispersed distribution systems serving local markets, many of which are not
17 interconnected by Distribution’s own facilities. Instead, Supply’s substantial
18 transmission system interconnects these distribution systems, providing the vital
19 interconnections between Distribution’s dispersed market areas and the upstream
20 pipelines. See PGC Exhibit No. 8-A for a map of Supply’s system. Supply’s
21 transmission facilities also interconnect Supply’s extensive storage facilities and
22 Distribution’s various local distribution systems.

23 As described above, several of Distribution's market areas are not

1 interconnected with other market areas of Distribution. They are supplied by
2 upstream pipeline, transportation and storage capacity contracted with Supply,
3 Columbia Gas Transmission LLC (“Columbia”), Tennessee Gas Pipeline
4 Company, L.L.C. (“Tennessee” or “TGP”) and Texas Eastern Transmission, LP
5 (“Texas Eastern” or “TETCO”). All of Distribution’s pipeline and storage capacity
6 is critical capacity. This mix of capacity meets Distribution’s unique market
7 reliability requirements at the least cost to the customer. The capacity plays a
8 critical role in directly serving customer requirements including filling
9 Distribution’s contracted storage capacity with Supply.

10 Distribution's contracts with Tennessee contain grandfathered
11 redundant delivery rights and “virtual” nomination points that allow Distribution to
12 direct its gas supplies to various market delivery points as needed to serve customer
13 requirements during the winter and to fill storage during the summer.
14 Distribution’s redundant delivery point flexibility is available to replacement
15 suppliers receiving released Tennessee FT-A rate schedule capacity from
16 Distribution. The Tennessee capacity is also required to provide the Company the
17 ability to fill certain storage capacity on Supply that can only be filled using
18 Tennessee’s Zone 4 capacity, and to meet the obligations under Supply’s EFT tariff
19 provisions that require Distribution to deliver gas supplies to Supply receipt meters
20 at the volumes and pressures necessary to satisfy Distribution’s market conditions.
21 Distribution's transportation and storage contracts with Columbia provide delivery
22 capability to serve the requirements of discrete markets and of the system in

1 general. Because the pipeline transportation and storage capacities that are
2 maintained with Supply, Columbia, Tennessee and Texas Eastern are critical to
3 system operations, these contracts cannot be replaced by substitute natural gas
4 suppliers.

5 Distribution uses its pipeline transportation and storage capacity
6 year-round to serve its firm market requirements on a reliable basis. Generally,
7 during the winter season Distribution meets its sales requirements by purchasing
8 gas and withdrawing gas from storage and transporting it via upstream and Supply
9 pipelines to Distribution's system. In the summer, Distribution uses upstream
10 capacity that is not needed to serve market requirements, to inject gas into storage,
11 to be withdrawn in the winter.

12 **B. Winter 2023-2024 Pipeline and Storage**

13 Distribution has reserved firm transportation, storage and winter gas
14 supply capacity as shown in PGC Exhibit No. 4-A to meet its forecasted design day
15 market requirements for the winter 2023 – 2024.

16 **C. Release of Capacity to SATS Suppliers**

17 Distribution has reserved upstream pipeline and storage capacity to meet its
18 obligations to its Sales and Small Aggregation Transportation Customer ("SATC")
19 service customers. Pursuant to its tariff, Distribution releases a quantity of its
20 Supply EFT and ESS capacity and its Tennessee FT-A Z4 to Z4 capacity to Small
21 Aggregation Transportation Supplier ("SATS") service suppliers that serve
22 Distribution's SATC customers. This released capacity is sufficient for SATS

1 suppliers to comply with Distribution's daily delivery quantity requirement for
2 serving the SATC customer heating requirements up to 62 degree days (DD).
3 Under the current Customer Choice Program, SATS suppliers are assigned
4 (through capacity release) the assets they need to provide service to their SATC
5 customers, other than the retained capacity.

6 **D. Retained Capacity for Temperature Variability and Peaking**

7 Distribution retains capacity to meet the temperature variability and peaking
8 requirements of its combined sales and SATC customers. This capacity will be
9 used to serve temperature swing load which results from the variance between the
10 predicted and actual weather and associated customers' usage per DD. This
11 capacity will be retained and managed by Distribution to provide deliverability to
12 its sales and SATC customers on peak days. This capacity is designed to serve a
13 combined sales and SATC customer load equivalent to 12 DD, or when the gas
14 day's mean temperature varies from +2°F down to -9°F. The SATC customers,
15 therefore, need only be assigned capacity to serve their requirements equivalent to
16 62 HDD, or when the mean temperature of the gas day is 3°F and above. See PGC
17 Exhibit No. 8-D for the retained capacity calculation as of August 1, 2024.

18 **II. DISTRIBUTION'S LEAST COST PURCHASE STRATEGY**

19 **A. General**

20 Distribution continually reviews its mix of pipeline and storage
21 capacity to provide the critical link between Distribution and the primary sources of
22 its gas supply. Distribution uses this capacity to source the lowest cost gas supplies

1 that are consistent with maintaining adequate, reliable and reasonably continuous
2 service.

3 Distribution reviews its capacity portfolio annually to address its
4 market requirements based on annual market forecast updates. Distribution
5 evaluates its mix of capacity, focusing on its capacity costs, diversity and the
6 reliability of its gas supplies. Specifically, the primary objectives of Distribution's
7 capacity mix and least-cost gas procurement strategies can be summarized as
8 follows:

9 (1) Reservation of capacity needed (both transportation
10 and storage) to obtain gas supplies at the lowest possible cost while
11 assuring reliability and maintaining operational integrity.

12 (2) Maintenance of adequate and reliable supplies,
13 purchased under a variety of gas supply arrangements, appropriately
14 structured to meet the near and mid-term daily, winter season, peak
15 day and annual requirements of Distribution on a least-cost basis;
16 and

17 (3) Manage gas costs by the dispatching of gas to ensure
18 adequate supply coverage and maximization of lowest cost supplies,
19 within the constraints imposed by contract provisions and system
20 capacity considerations.

21 **B. Pipeline Costs**

1 Distribution actively participates in proceedings at the Federal
2 Energy Regulatory Commission (“FERC”), defending its interests as a local
3 distribution company in cases where such action is appropriate.

4 The most significant proceedings and Distribution’s involvement are
5 identified in PGC Exhibit No. 6.

6 **C. Ongoing Review of Capacity Contracts to Reduce Costs**

7 Distribution has contracted for transportation and storage capacity to
8 meet the design day and seasonal needs of its customers. See PGC Exhibit No. 8-
9 B, the load duration curve for the 2024-2025 design day and the demand load for
10 Distribution’s 15% colder than normal (ctn) forecast. Distribution continues to
11 review its mix of capacity, in an effort to enhance reliability and reduce costs,
12 particularly in situations where there are options to renew or cancel contracts. It is
13 important to note that Distribution does not simply contract for new capacity each
14 year. Distribution is limited by its existing portfolio of contracts such that
15 opportunities to adjust contracts do not always line up with changes in
16 Distribution’s updated forecasts of its requirements. Further, the requirements for
17 the system change on a year-to-year basis, going up or down as the customer load
18 shifts.

19 **D. Storage Utilization Strategy**

20 Distribution uses its storage capacity primarily to ensure reliability
21 of system delivery. Based on normal temperatures during the 2023-2024 winter, it
22 is projected that approximately 40% of winter supplies and 65% of design day

1 supplies will be sourced from storage. Storage is also used to enhance purchasing
2 capabilities by facilitating the purchase of gas at higher year-round load factors due
3 to the ability to inject gas into storage during the summer months when customer
4 demand is lower. If Distribution did not have its current level of storage, it would
5 have to obtain additional upstream transportation capacity and pay year-round
6 demand charges for use only in the winter period. This would decrease the year-
7 round load factor that could result in a substantial cost increase to its customers.

8 Furthermore, storage enables Distribution to purchase gas during the
9 summer, when prices are historically lower and less volatile, and inject this gas into
10 storage, to be withdrawn from storage in the winter when prices are historically
11 higher and more volatile. PGC Exhibit No. 8-C, depicts Distribution’s daily send
12 out for the twelve months ending September 30, 2023, that clearly shows the role
13 of storage in meeting Distribution’s market needs. The graph illustrates
14 withdrawals from storage when “demand” exceeds “flowing gas supplies” and an
15 injection into storage when “flowing gas supplies” are greater than “demand”.

16 In addition, the availability of storage and the consequent increase in
17 load factor on the upstream pipelines has reduced Distribution’s need to rely on
18 peak day pipeline capacity or other peak shaving facilities typically relied upon by
19 other LDCs, e.g., propane and liquefied natural gas.

20 **E. Future Capacity and Procurement Plans**

21 Subject to its critical capacity requirements described above,
22 Distribution will continue to evaluate opportunities to adjust its portfolio of capacity to

1 enhance reliability and achieve savings for its customers. As previously discussed,
2 Distribution reviews its capacity portfolio annually to address its forecasted market
3 requirements. Distribution prepares annual 5 year market forecasts. The most recent
4 two consecutive 5 year market forecasts reflect demand growth that suggest additional
5 capacity for the winter 2024-2025 is necessary. Further discussion will be included in
6 Ms. Petko's direct testimony, and Exhibit LAP-4, which reviews the winter capacity
7 analysis.

8 Distribution anticipates that it will renew its current pipeline and
9 storage contracts per the notice dates as explained in PGC 4-A. Significant
10 changes to contracts are described below:

11 **(BEGIN CONFIDENTIAL PORTION)**

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(END CONFIDENTIAL PORTION)

F. No Cost Gas Exchange Agreements and Other Utility Purchases

Details of these Agreements and LDC tariff sales service purchases are provided in PGC Exhibit No. 4. Distribution does not expect to modify or add to the No Cost Exchange Agreements through the end of the Application Period. Distribution is currently coordinating with Peoples Natural Gas Company, LLC for the construction of a new third interconnection facility to replace existing Distribution facilities serving its customers in the region. The new interconnection’s planned in-service date is scheduled for completion during Winter 2023/2024.

H. Gas Supply Mix

(1) Mitigation of Commodity Price Volatility

Distribution purchases gas pursuant to its Gas Cost Management Plan (“Plan”) to reduce the effects of gas price volatility on sales customers. The Plan has continued to evolve as Distribution has gained experience under its Plan and responded to the changes in the marketplace. The overall goal of the Plan however, to mitigate price volatility through price diversification, has not changed. The Plan diversifies pricing by requiring that for a normal winter season of November through March, approximately 40% of winter gas supplies

1 will be withdrawn from storage at prices determined during the summer injection
2 season, 12% will be forward priced during the summer, 24% will be monthly
3 priced and 24% will be daily priced. Storage and forward priced supplies enable
4 Distribution to achieve price certainty for approximately 52% of its required gas
5 supplies.

6 Similar to last year, each winter's forward prices are established by
7 entering into four winter physical supply transactions which specify the pricing of
8 quantities to be delivered during the winter months. These quantities are
9 purchased as a fixed price and/or an index price not to exceed an agreed upon price
10 cap. Under the Plan for the 2023-2024 winter season, on predetermined days during
11 the NYMEX trading period from April 2023 through October 2023, Distribution
12 fixed the contract price for a pro rata share of the gas that it would purchase under
13 the Plan for delivery during the period November 1, 2023 through March 31, 2024.
14 A copy of the currently executed Plan is provided as PGC No. 8-E but will be
15 revised.

16 Per Docket Nos. R-2023-3037428, the Company has revised the
17 current Plan and has incorporated fixed priced purchases in its summer gas
18 purchase portfolio. For deliveries beginning April 1st, 2025, the Plan is revised to
19 include 15-20% of forecasted requirements will be purchased at a fixed price
20 during the summer prior to delivery, 30-35% will be monthly priced and 50% will
21 be daily priced. A copy of the revised Plan is provided as PGC No. 8-F.

22

1 **(2) Term Purchase Supplies**

2 Distribution secures firm gas supplies on a Term (delivery period
3 greater than one month) basis when and where it concludes that it is necessary to
4 ensure reliable deliveries. For the period December 1, 2022 to November 30, 2023,
5 Distribution purchased Term supplies of approximately 7,800,000 Dth or 39% of
6 total supplies. Commodity prices are usually determined monthly or daily based
7 upon published price indices, NYMEX settle price, or negotiated rates (i.e., cash).
8 The monthly gas is a blend of negotiated rate (cash) priced, monthly index priced
9 and NYMEX priced transactions.

10 Pursuant to Distribution’s Master Gas Purchase Contracts and North
11 American Energy Standards Board (“NAESB”) Contracts, suppliers dedicate
12 quantities of gas to Distribution for typically seasonal terms. These contracts have
13 strong liquidated damages language to encourage suppliers to deliver the contracted
14 volumes. Distribution may pay a small premium for firm dedication of Term
15 supplies. The small premiums paid represent the price of the supply security
16 afforded under the Term contracts. Distribution’s procedures for entering into firm
17 contracts and efforts to minimize premiums for Term supplies are more fully
18 described in PGC Exhibit No. 4.

19 The portfolio of Term purchases that includes a mix of baseload
20 supplies and flexible delivery supplies is formulated around Distribution’s firm
21 upstream pipeline and storage capacity and extensive storage capacity on Supply’s
22 system. The Term purchase agreements with delivery flexibility reserve

1 Distribution the right to take delivery from the supplier or release that delivery right
2 back to the supplier, who then may sell the gas to another party, commonly referred
3 to as take or release.

4 **(3) Spot Purchase Supplies**

5 Distribution has historically sought and obtained volumes of gas on
6 a Spot (delivery period equal to, or less than, one month) basis to supplement Term
7 purchases on pipelines where gas supplies were abundant and, therefore, where it
8 was not necessary to pay a premium for such gas in order to assure delivery. With
9 the continued growth of Northeast Shale gas, sourcing of such gas supplies has
10 shifted from the traditional sources in the Southwest and Canada to the Northeast
11 Shale region.

12 Through the methodology described in PGC Exhibit No. 4,
13 Distribution will continue to purchase lower cost market area quantities on a firm
14 Spot delivery basis.

15 For the period December 1, 2022 to November 30, 2023,
16 Distribution's summer and winter Spot gas purchases accounted for approximately
17 12,5000 Dth of Spot gas or 61% of total supplies.

18 **(4) Non-Firm Local Production and Appalachian Supply**

19 Distribution's purchases during the historic period are reported in
20 PGC Exhibit No. 4. Distribution expects to continue to purchase non-firm,
21 dedicated and excess local production gas for the near-term into its system and

1 Supply's system at prices that do not increase the weighted average commodity
2 cost of gas supplies sold to its customers.

3 **(5) Tariff Purchase Supplies**

4 Distribution's purchases pursuant to its tariff during the historic
5 period are reported in PGC Exhibit No. 4. Distribution is not able to predict
6 whether or not such purchases will be required in the future.

7 **(6) General Supply Approach**

8 Firm transportation contracts and Term gas purchase contracts
9 assure security of supply and deliverability. Notwithstanding this fact, Distribution
10 has also purchased Spot gas at market prices instead of contracting for Term
11 supplies to the extent that reliability of such supply was not an issue. Distribution
12 makes the decision to select Spot purchases to the extent such supplies are needed
13 on a monthly and/or daily basis, comparing all alternative sources of gas and
14 selecting the least cost supplies from those offered.

15 For the 2022-2023 winter, Distribution has utilized Term contracts
16 to obtain firm commitments for delivery from its suppliers. The projected normal
17 weather core requirements are expected to be served by the following: 40% storage
18 withdrawals; 24% market-based monthly-priced gas; 24% market-based daily-
19 priced gas and 12% forward fix priced gas.

20 These purchasing plans have produced a well-balanced gas contract
21 portfolio that provides the mitigation of pricing risk through diversification of
22 contract terms and pricing provisions. The predetermined price of storage and

1 Forward priced deliveries, representing approximately 52% of winter supplies. The
2 monthly and daily priced gas under the Term contracts, some of which back up
3 replacement monthly and daily Spot purchases, assure that a portion of the supplies
4 are priced at current market without the risk of lowering reliability. Again, this
5 type of gas supply mix diversification allows customers to continue to receive
6 service at a high level of reliability under a least cost purchase plan with reduced
7 exposure to price increases resulting from extreme weather.

8 **III. CREDITS FOR CAPACITY RELEASE, OFF-SYSTEM SALES, AND**
9 **STORAGE FILL AGREEMENTS**

10 **A. General Capacity Release and Off-System Sales Procedures**

11 The first step in determining whether capacity can be released, or an
12 off-system sale can be made, is to determine whether there are gas supplies and/or
13 capacity that will not be needed to meet the requirements of customers. This
14 determination requires consideration not only of projected requirements of
15 Distribution's customers, but also of the need, at various times of the year, to fill
16 storage fields in order to meet peak and winter requirements of customers.

17 While Distribution reviews its requirements and available capacity
18 continually, a review is conducted prior to the commencement of each calendar
19 month to determine, in the aggregate, whether Distribution has firm gas supplies
20 under contract that will not be purchased during the month. If so, Distribution will
21 seek to release capacity that it will not use during the next 30-day period or less.

22 Distribution's process for making such releases available is as follows.

23 Distribution sends an e-mail or instant message to potential customers notifying

1 them of available capacity to be released. Interested customers may contact
2 Distribution to place a bid. Distribution generates capacity release offers and posts
3 all release offers for bidding on the pipeline's electronic bulletin board. Biddable
4 offers may be posted with an interested customer as the pre-arranged bidder,
5 providing an opportunity for the pre-arranged bidder to match a higher bid from
6 any competing bidder.

7 When engaged in off-system sales, Distribution may sell gas at any
8 point on its transportation and storage capacity upstream of its capacity on Supply.

9 It is noted that the demand for and value of capacity release and
10 sales opportunities will vary by time of year and by weather conditions. It can be
11 expected that there will be greater demand for gas supplies and capacity, along with
12 greater margins and release credits, during winter periods, particularly when
13 weather is colder than normal.

14 **B. Capacity Releases**

15 Distribution retains the necessary capacity on upstream pipelines
16 and storages to provide service to its sales customers. Distribution also has
17 capacity to meet the difference between transportation customers' deliveries and
18 takes on the design day.

19 During periods when Distribution is not using all of its capacity to
20 serve its customers, Distribution generally markets its unutilized capacity to other
21 parties as discussed earlier.

1 Sharable revenues from releases of capacity are allocated 75% to
2 ratepayers and 25% to Distribution. The total value of all sharable releases for the
3 period ending November 30, 2023 was approximately \$1,800,000.

4 **C. Off-System Sales**

5 As approved under previous settlements of Distribution's 1307(f)
6 proceedings, Distribution retains 25% of the net revenues from off-system sales,
7 (before taxes) over the monthly average commodity cost of gas plus any variable
8 transportation costs to deliver the gas to the off-system customer. The monthly
9 average commodity cost of gas is defined as the monthly average commodity cost
10 of gas purchases for all supplies scheduled at the beginning of the month. This
11 method of using the monthly average commodity cost continues to be the
12 appropriate methodology. These contracts have a wide variety of price and
13 flexibility provisions which govern how Distribution purchases gas during a given
14 period. Distribution has set up its least-cost procurement program to include a mix
15 of both base-load and flexible contracts necessary to meet its system requirements.
16 Distribution plans its Term and Spot gas purchases on a monthly basis from its mix
17 of Master Gas Purchase Contracts, NAESB contracts or GISB contracts. The
18 pricing terms for the commodity cost of these gas supplies include but are not
19 limited to: first of month and daily index prices, NYMEX settlement prices and
20 prices fixed in advance of the month of flow. Therefore, the weighted average
21 commodity cost of gas, plus the variable transportation cost to the point of the off-
22 system sale, is the appropriate basis for purposes of determining margin available

1 for sharing. Off-system sales that rely on system supply and whose margins are
2 derived from Distribution's weighted average commodity cost are referred to as
3 "WACC Sales".

4 If an additional, unscheduled purchase is made during the month
5 specifically for an off-system sale, such purchase is considered to be the gas used to
6 make the off-system sale, and the commodity cost of such purchase will be
7 assigned to the off-system sale up to the volume of the purchase. Such purchase
8 may either be transported directly to the sale point via idle but unreleased
9 transportation capacity or via displacement of system supply scheduled for delivery
10 to Distribution's Supply capacity. Under a displacement scenario, the additional
11 unscheduled purchase is delivered to Distribution's Supply capacity in a quantity
12 equal to the originally scheduled system supply delivery that was displaced to make
13 the sale. Annual off-system sale revenues have declined in recent years as
14 Distribution reduces capacity path lengths and places more emphasis on capacity
15 release transactions to optimize the value of its upstream capacity. No off-system
16 sales margins were generated during the 12 month historic period ending
17 November 30, 2022.

18 **D. Storage Fill Agreements**

19 Distribution allocates storage fill credits received under storage fill
20 agreements such that the ratepayers receive 75% and Distribution the remaining
21 25%.

1 In response to a request for proposal issued in March 2022,
2 Distribution entered into a storage fill agreement for the 2023 injection season.
3 The Supplier was required to deliver a portion of a seasonal injection requirement
4 associated with a specific city gate delivery point. In exchange for a discount
5 relative to what Distribution would have otherwise payed, the supplier was
6 provided the ability to choose the days of delivery. In general, Distribution would
7 attempt to purchase injection quantities evenly over the summer injection season in
8 order to diversify inventory gas costs. The total value of the discount was
9 approximately \$130,000.

10 **E. Asset Management Arrangements**

11 In light of the issuance of FERC Order No. 712 and its progeny, in
12 which the FERC clarified and encouraged the use of Asset Management
13 Arrangements (“AMA”), Distribution solicited an AMA proposal from
14 counterparties. The AMA proposal request was structured around filling
15 Distribution storage during the summer, requiring the asset manager to deliver
16 least-cost gas supplies to Distribution at the city gate and Distribution to release a
17 portion of its Tennessee capacity to the asset manager for the summer period.
18 Relative to comparable capacity release values of the asset, offers for an AMA
19 structured around the asset did not yield additional value. Distribution elected not
20 to execute an AMA agreement and instead optimized the pipeline capacity in the
21 off-system sales and capacity release markets.

1 **IV. STAFFING AND EXPERTISE OF FUEL PROCUREMENT**
2 **PERSONNEL**

3 Distribution operates its gas planning, gas accounting, gas
4 procurement & optimization and transportation functions through its Gas Supply
5 Administration (“GSA”) Department from offices located in Williamsville, New
6 York.

7 As detailed in PGC Exhibit No. 8-G, GSA utilizes functional teams
8 that handle the duties and responsibilities of all the areas that encompass the
9 department. Distribution’s GSA Department is currently fully staffed with 14
10 employees.

11 The specific operational and transactional duties that are performed
12 by GSA employees include the following: projecting and monitoring
13 Distribution’s market forecasts and gas supply needs; negotiating and contracting
14 for all pipeline capacity, storage capacity and gas supplies as well as administering
15 those gas supply contracts; accounting for and paying all charges associated with
16 all gas supply contracts and all transportation contracts; daily nominations and
17 monitoring of scheduled volumes; optimization of unutilized pipeline capacity
18 through capacity release or off-system sales; and facilitating customer choice
19 transportation and system operator functions that include verifying, confirming, and
20 tracking capacity upstream and downstream of Distribution interconnects used by
21 marketers and transporters, nominating and tracking retained and released capacity
22 for aggregation services, forecasting and planning for transportation activity,
23 managing and tracking Distribution local production and marketer pooling

- 1 activities and on-system deliveries, coordinating marketer operational meetings,
- 2 and addressing other supplier-of-last-resort issues.

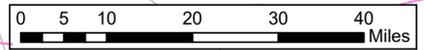
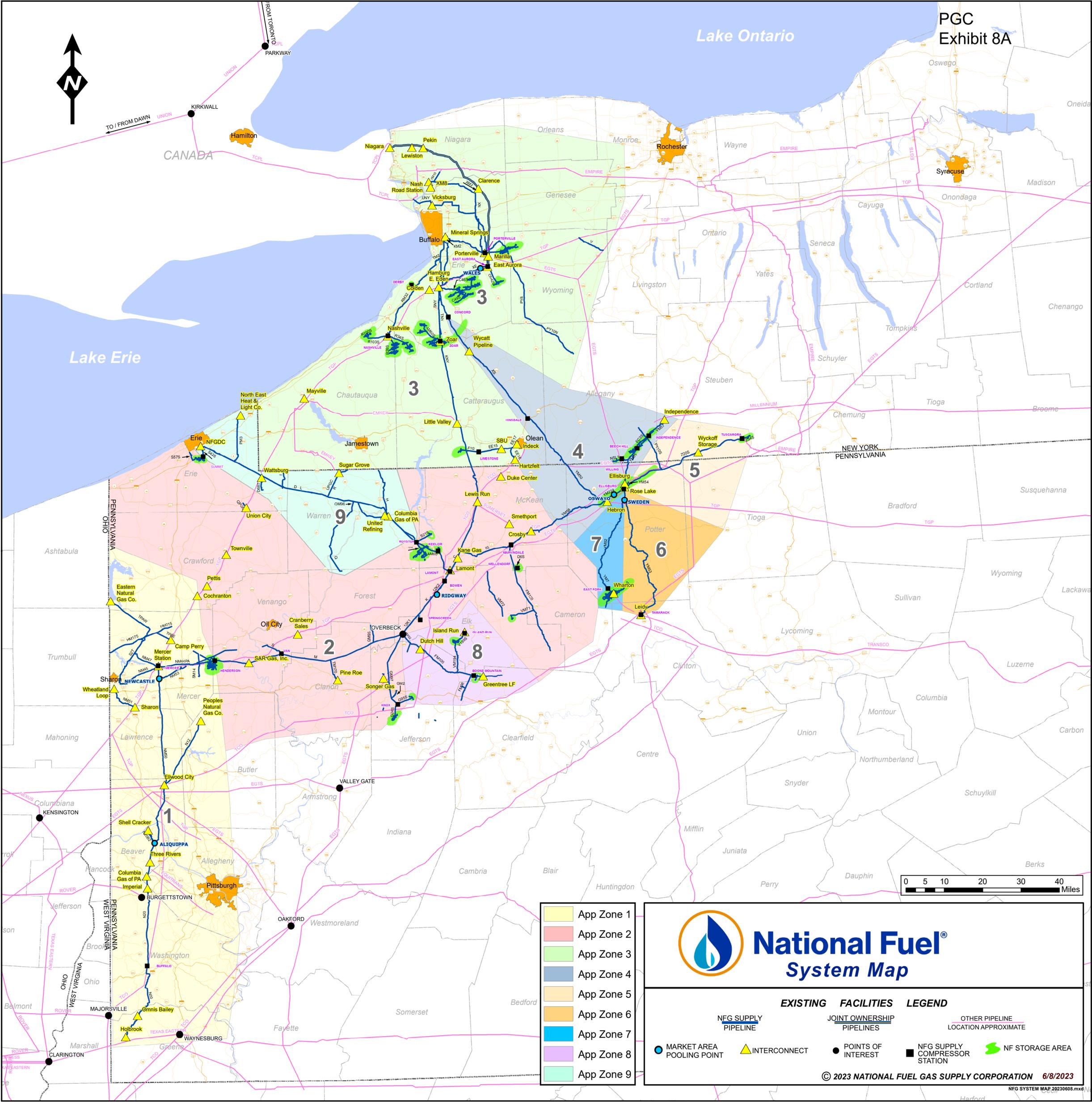
Lake Ontario



TO / FROM DAWN

CANADA

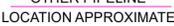
Lake Erie



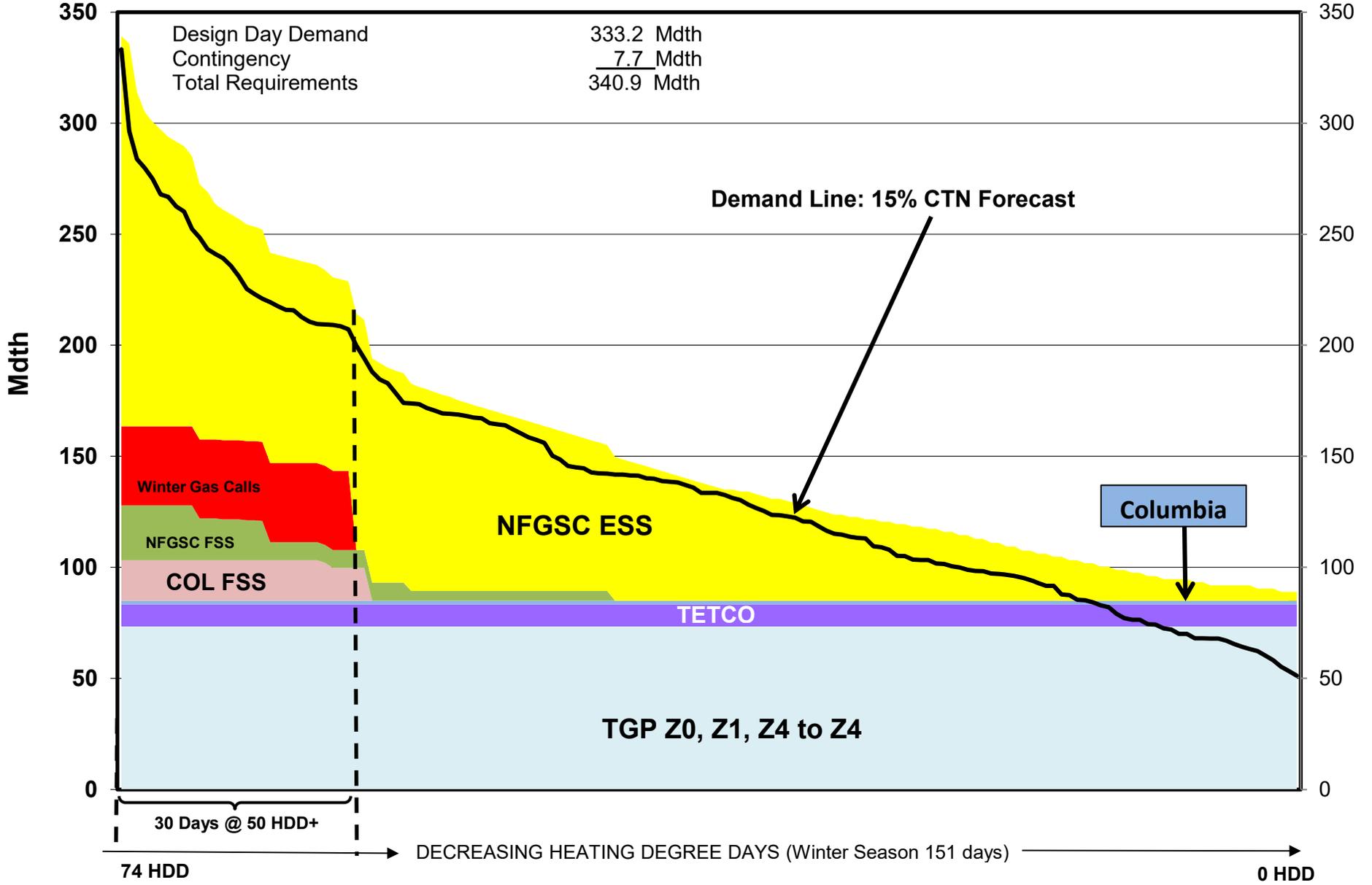
- App Zone 1
- App Zone 2
- App Zone 3
- App Zone 4
- App Zone 5
- App Zone 6
- App Zone 7
- App Zone 8
- App Zone 9



National Fuel[®] System Map

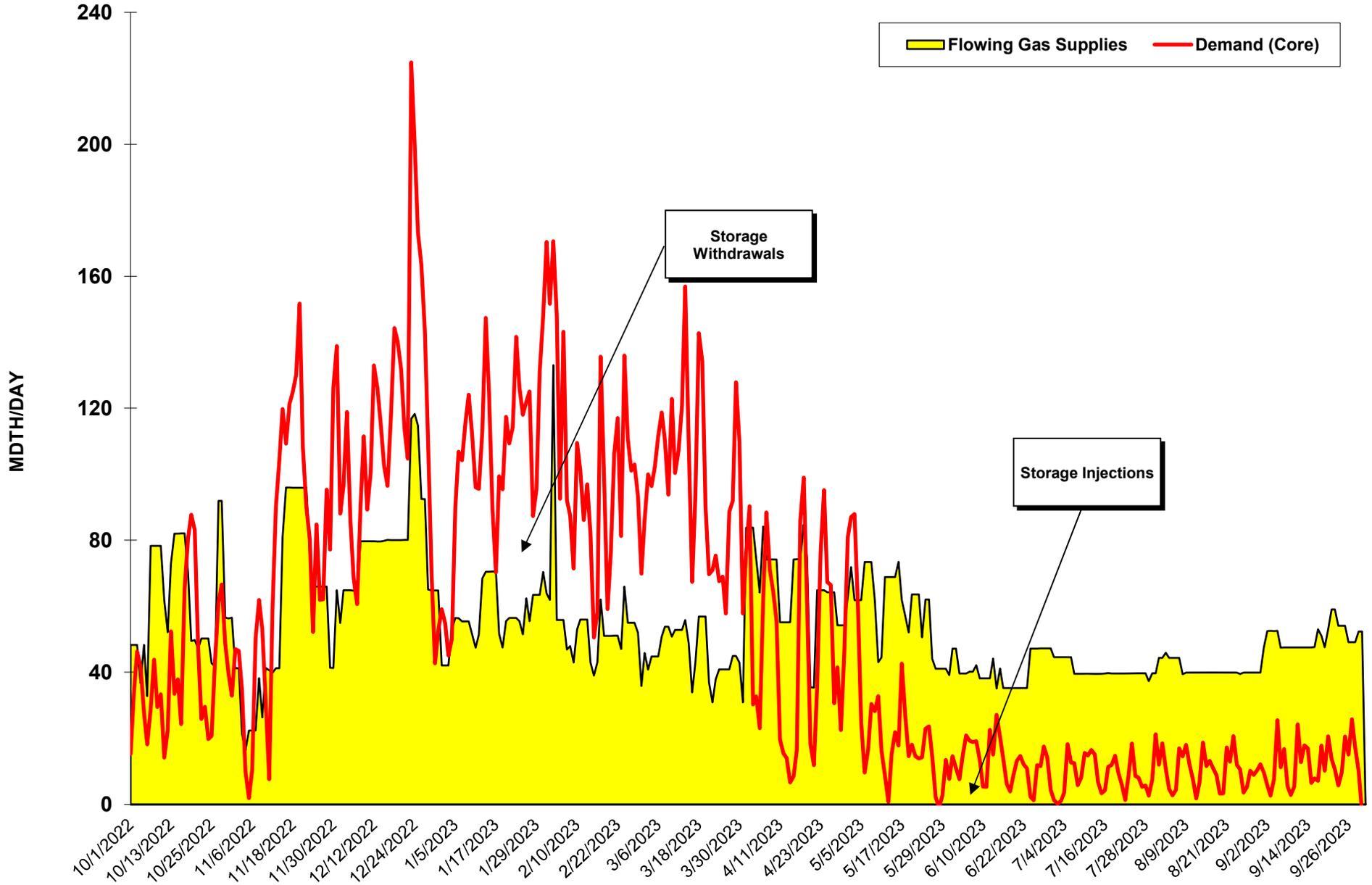
EXISTING FACILITIES		LEGEND	
 MARKET AREA POOLING POINT	 INTERCONNECT	 POINTS OF INTEREST	 NFG SUPPLY COMPRESSOR STATION
 NFG SUPPLY PIPELINE	 JOINT OWNERSHIP PIPELINES	 OTHER PIPELINE LOCATION APPROXIMATE	 NF STORAGE AREA

National Fuel Gas Distribution Corporation - Pennsylvania 2024-2025 Load Duration Curve



Design Day based on 74 HDD: Forecast (June 2023)

NFGDC PA - Gas Supply vs Demand



National Fuel Gas Distribution Corporation - Pennsylvania Division

Calculation of Retained Capacity and SATS Released Transmission Capacity ("RTC") Mix
 Capacity retained by NFGDC to meet temperature variability and peaking requirements of Sales and SATS customers

Winter 2024-2025 Design Peak Day 74 DD Requirement		Dth/day
Retail Sales		279,794
SATS Service		<u>25,871</u>
City gate total		305,665
Less: Base Load *		<u>(14,557)</u>
Heating load 74 DD		291,108
Heating load per DD		3,934

Calculation of Retained Capacity for 12 DD (74-62 DD)		Dth/day	
Total Retained Capacity Requirement	Heating load per DD*12 DD	47,208	
Contracts selected to meet RTC requirement			MSQ
	NFGSC FSS O02432	10,666	200,000
	NFGSC ESS G00539	<u>36,542</u>	<u>1,705,707</u>
Total Retained Capacity		47,208	

Calculation of Capacity Requirement for 62 DD		Dth/day	DD provided
City gate Total		305,665	74
Less: Retained Capacity		<u>47,208</u>	<u>12</u>
Difference		258,457	62

Calculation of Released Transmission Capacity (RTC) Mix		Dth/day	Daily mix
Upstream Capacity **		117,196	45%
ESS		<u>141,261</u>	<u>55%</u>
Total		258,457	100%

* Forecast for average day during July & August 2025

** Upstream Capacity is TGP, TETCO, Columbia FTS and FSS, NFGSC FSS; net of NFGSC retainage for fuel and line loss

**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.

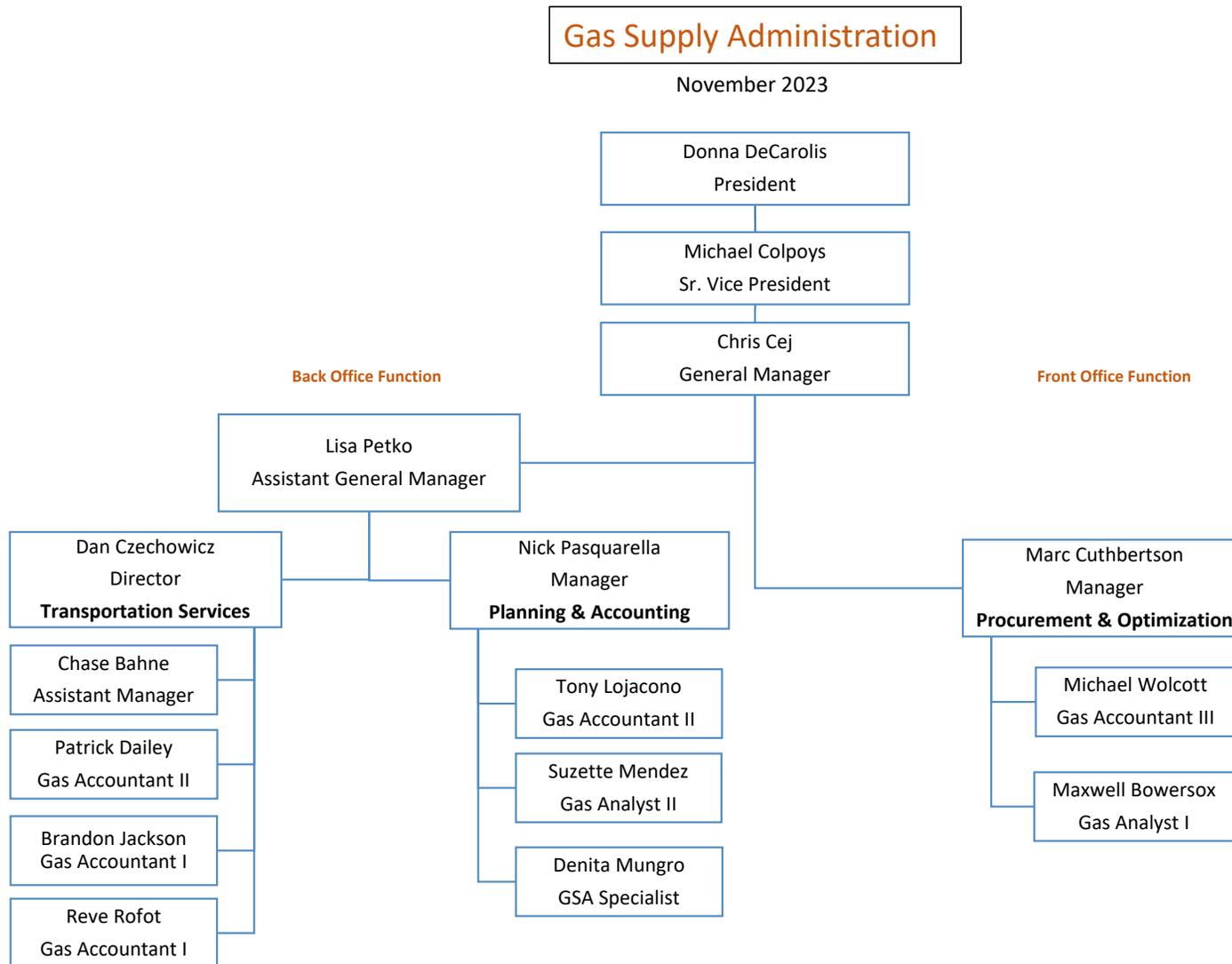
National Fuel Gas Distribution Corporation
Pennsylvania Division
GAS COST MANAGEMENT PLAN
Effective: April 1, 2025

**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

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

A. Off-System Sales

Distribution did not have any Off-System Sales during the period of December 2022 through November 2023.

B. Capacity Releases

Attached as Exhibit 9-A and Exhibit 9-B are reports detailing all Transportation and Storage releases that were in effect during the historic period. These Exhibits include releases made pursuant to Distribution's state-approved marketer program and are identified as "Pennsylvania Energy Select" releases.

For further details concerning National Fuel Gas Distribution Corporation's capacity releases and off-system sales, refer to PGC Exhibit No. 8.

**National Fuel Distribution Corporation
Transportation Capacity Release Report
12/1/2022 - 11/30/2023**

Pipeline	Release Type	Begtime	Endtime	Bus. Assoc.	Release K#	Rec Meter	Del Meter	Release Award #	Prearranged	Biddable	Recallable	Daily Volume	Monthly Flow	Value

End Confidential

NATIONAL FUEL GAS DISTRIBUTION CORPORATION

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

National Fuel Gas Distribution Corporation maintains transportation agreements with its Daily Metered customers and Monthly Metered Natural Gas Suppliers who are responsible for the delivery requirements and imbalance resolution of Monthly Metered Transportation customers. Volumes are provided in summary format by revenue class. Please refer to PGC Exhibit No. 11 for transportation quantities by revenue class and service class. In addition, it should be noted that PGC Exhibit No. 11 includes prices by service class.

NATIONAL FUEL GAS DISTRIBUTION CORPORATION

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

Daily Metered Transportation volumes and class type are listed on page 2. Monthly Metered Transportation Aggregation/SATC volumes and class type are listed on pages 3 and 4. The current base rates for Transportation Service for National Fuel Gas Distribution Corporation are shown on pages 5 through 6 extracted from Distribution's Tariff Gas - Pa. P.U.C. No. 9.

NATIONAL FUEL GAS DISTRIBUTION CORPORATION
PENNSYLVANIA DIVISION
TRANSPORTATION (CUSTOMER-OWNED GAS) SERVICE
VOLUMES IN MCF

Daily Metered Transportation Volumes

Commercial	Service Class Description	# of Customers at Nov 2023	2022/12 Dec-22	2023/01 Jan-23	2023/02 Feb-23	2023/03 Mar-23	2023/04 Apr-23	2023/05 May-23	2023/06 Jun-23	2023/07 Jul-23	2023/08 Aug-23	2023/09 Sep-23	2023/10 Oct-23	2023/11 Nov-23	Total	
Total Commercial DMT	Large Com/Pub Authority - DMT	13	67,005.9	62,277.1	62,120.6	55,997.2	61,335.0	49,526.1	58,846.6	48,772.1	45,805.8	48,853.5	48,425.4	59,867.2	668,832.5	
Industrial	Service Class Description	# of Customers at Nov 2023	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Total	
IVIS	Intermediate Volume Industrial Service - DMT	23	69,859.2	85,153.4	90,166.0	80,308.2	85,298.5	58,817.3	51,944.4	41,091.0	36,742.5	45,603.9	41,959.7	54,918.3	741,862.4	
	Large Com/Public Authority - DMT	0	0.0	16,255.0	16,281.0	13,936.0	15,244.0	11,654.0	0.0	0.0	0.0	0.0	0.0	0.0	73,370.0	
LVIS	Large Volume Industrial Service - DMT	20	156,776.5	219,109.8	188,268.5	185,301.7	183,813.7	185,624.4	134,392.8	113,129.7	98,461.3	111,041.0	117,375.2	226,258.8	1,919,553.4	
	Large Volume Industrial Service - DMT Flex	0	6,718.0	7,120.0	6,191.0	5,100.0	5,063.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30,192.0	
LIS	Large Industrial Service - DMT	10	388,352.7	431,982.2	471,651.3	455,525.7	453,308.6	381,622.6	310,617.1	291,626.0	224,168.0	555,222.0	491,100.0	345,686.8	4,800,863.0	
	Large Industrial Service - DMT Flex	7	310,243.0	119,955.0	358,875.0	325,936.0	375,878.0	304,594.0	296,868.0	270,154.0	335,701.0	49,723.0	45,179.0	304,187.0	3,097,293.0	
	Large Manufacturing Service - DMT Flex	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	128,338.3	157,461.8	0.0	285,800.1	
DMT LMTS	Large Manufacturing Service - DMT	1	156,260.4	184,812.2	174,817.8	213,723.1	209,381.6	100,130.2	82,320.9	95,807.0	123,889.0	0.0	0.0	117,772.1	1,458,914.3	
Total Industrial DMT		61	1,088,209.8	1,064,387.6	1,306,250.6	1,279,830.7	1,327,987.4	1,042,442.5	876,143.2	811,807.7	818,961.8	889,928.2	853,075.7	1,048,823.0	12,407,848.2	
Public Authority	Service Class Description	# of Customers at Nov 2023	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Total	
Total Public Authority DMT	Large Com/Pub Authority - DMT	2	21,617.1	27,160.0	26,743.7	23,157.6	24,755.8	16,953.2	5,663.9	7,543.7	7,068.8	6,533.7	6,909.6	21,183.0	195,290.1	
Total Daily Metered Transportation Volumes			76	1,176,832.8	1,153,824.7	1,395,114.9	1,358,985.5	1,414,078.2	1,108,921.8	940,653.7	868,123.5	871,836.4	945,315.4	908,410.7	1,129,873.2	13,271,970.8

NATIONAL FUEL GAS DISTRIBUTION CORPORATION
PENNSYLVANIA DIVISION
TRANSPORTATION (CUSTOMER-OWNED GAS) SERVICE
VOLUMES IN MCF

Monthly Metered Transportation Volumes

Description		# of Customers at Nov 2023	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Total
Residential	Residential	454	13,957.5	18,656.1	17,386.1	15,323.7	12,670.1	6,919.6	2,782.1	1,132.8	957.3	1,222.1	2,503.5	7,088.3	100,599.2
	Small Com/Pub Auth <250 Mcf/Year	5	57.5	73.5	54.1	54.8	42.3	20.3	22.9	15.7	18.2	15.9	25.5	46.9	447.6
	Small Com/Pub Auth 250-1000 Mcf/Year	19	1,434.5	1,832.4	1,537.1	1,247.7	949.8	659.6	346.6	250.1	231.3	289.9	421.6	753.1	9,953.7
	Large Com/Public Authority	24	11,989.0	18,625.6	17,792.8	16,666.9	15,997.2	9,811.0	6,717.1	3,643.6	2,916.9	3,048.9	3,172.8	7,013.2	110,381.8
Total Residential MMNGS		502	27,438.5	39,187.6	36,770.1	33,293.1	29,659.4	17,410.5	9,868.7	5,042.2	4,123.7	4,576.8	6,123.4	14,901.5	221,382.3
Residential SATC	SATC Residential	16,302	236,524.8	275,973.9	254,113.0	231,177.7	171,355.1	105,934.2	46,615.0	26,457.6	24,977.9	28,836.5	49,112.8	108,912.2	1,559,990.7
	SATC Residential - E	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Small Com/Pub Auth <250 Mcf/Year	1	23.6	25.4	41.3	38.6	38.2	25.1	16.2	13.6	11.8	13.0	13.9	14.3	275.0
	Small Com/Pub Auth 250-1000 Mcf/Year	1	0.0	0.0	75.6	67.3	26.5	30.9	16.0	6.8	5.0	5.4	8.0	27.3	268.8
Total Residential SATC		16,304	236,548.4	275,999.3	254,229.9	231,283.6	171,419.8	105,990.2	46,647.2	26,478.0	24,994.7	28,854.9	49,134.7	108,953.8	1,560,534.5
Total Residential		16,806	263,986.9	315,186.9	291,000.0	264,576.7	201,079.2	123,400.7	56,515.9	31,520.2	29,118.4	33,431.7	55,258.1	123,855.3	1,788,930.0
Commercial	Residential	6	163.2	191.2	167.8	148.5	124.8	76.0	60.8	46.8	61.6	48.3	56.6	105.8	1,251.4
	Small Com/Pub Auth <250 Mcf/Year	948	16,864.8	24,929.4	23,782.2	19,235.1	13,505.4	6,699.3	2,750.0	1,566.3	1,316.7	1,592.6	2,847.9	7,780.5	122,870.2
	Small Com/Pub Auth 250-1000 Mcf/Year	1,061	75,839.9	98,576.7	93,006.9	82,172.1	64,223.3	36,484.0	19,355.7	11,988.2	11,529.6	13,029.5	18,563.2	39,466.0	564,235.1
	Large Com/Public Authority	742	294,118.7	397,744.4	370,957.0	339,752.1	320,860.8	197,583.9	138,341.6	87,197.7	76,766.6	83,559.9	93,450.5	180,352.2	2,580,685.4
Total Commercial MMNGS		2,757	386,986.6	521,441.7	487,913.9	441,307.8	398,714.3	240,843.2	160,508.1	100,799.0	89,674.5	98,230.3	114,918.2	227,704.5	3,269,042.1
Commercial SATC	SATC Residential	0	73.6	37.4	60.1	51.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	222.1
	SATC Small Com/Pub Auth <250 Mcf/Year	809	14,883.1	18,738.7	18,005.2	14,692.6	10,200.6	5,012.0	1,908.4	1,059.6	825.7	1,139.1	2,090.8	5,604.3	94,160.1
	SATC Small Com/Pub Auth 250-1000 Mcf/Year	347	20,848.0	26,758.2	25,236.4	22,669.6	16,019.2	9,771.5	5,270.9	3,680.7	3,523.0	3,967.5	5,390.8	11,370.7	154,506.5
	SATC Large Com/Public Authority	49	6,439.3	9,332.6	7,938.8	7,548.8	6,216.7	4,347.7	3,159.1	2,172.5	2,130.8	2,510.8	2,836.6	6,853.1	61,486.8
Total Commercial SATC		1,205	42,244.0	54,866.9	51,240.5	44,962.0	32,436.5	19,131.2	10,338.4	6,912.8	6,479.5	7,617.4	10,318.2	23,828.1	310,375.5
Total Commercial		3,962	429,230.6	576,308.6	539,154.4	486,269.8	431,150.8	259,974.4	170,846.5	107,711.8	96,154.0	105,847.7	125,236.4	251,532.6	3,579,417.6

NATIONAL FUEL GAS DISTRIBUTION CORPORATION
PENNSYLVANIA DIVISION
TRANSPORTATION (CUSTOMER-OWNED GAS) SERVICE
VOLUMES IN MCF

Monthly Metered Transportation Volumes

Description		# of Customers at Nov 2023	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Total
Industrial	Small Volume Industrial Service	57	5,860.6	8,588.6	8,361.8	6,703.9	3,847.7	1,632.8	497.8	183.2	119.2	178.5	447.0	2,005.1	38,426.2
	Intermediate Volume Industrial Service	271	222,608.6	283,300.0	271,513.5	256,998.5	264,852.3	175,980.0	144,370.3	129,380.9	134,337.7	120,022.7	139,242.2	185,212.9	2,327,819.6
	Large Industrial Service	1	28,387.0	30,458.0	31,989.0	27,624.0	27,900.0	30,530.0	28,364.0	28,241.0	27,362.0	27,381.0	20,152.0	28,669.0	337,057.0
	Large Volume Industrial Service	9	42,049.7	55,616.8	47,085.5	49,111.8	51,395.9	44,920.9	52,917.4	62,231.0	69,453.7	72,552.1	68,603.8	73,132.4	689,071.0
Total Industrial MMNGS		338	298,905.9	377,963.4	358,949.8	340,438.2	347,995.9	253,063.7	226,149.5	220,036.1	231,272.6	220,134.3	228,445.0	289,019.4	3,392,373.8
Total Industrial SATC	SATC Small Volume Industrial Service	14	1,050.3	1,526.1	1,497.4	1,208.0	871.6	445.4	142.1	42.0	51.6	42.3	42.8	266.7	7,186.3
	SATC Intermediate Volume Industrial Service	4	823.0	1,031.0	648.0	1,077.0	1,462.9	758.0	284.0	137.2	110.7	171.0	289.3	869.3	7,661.4
Total Industrial SATC		18	1,873.3	2,557.1	2,145.4	2,285.0	2,334.5	1,203.4	426.1	179.2	162.3	213.3	332.1	1,136.0	14,847.7
Total Industrial		356	300,779.2	380,520.5	361,095.2	342,723.2	350,330.4	254,267.1	226,575.6	220,215.3	231,434.9	220,347.6	228,777.1	290,155.4	3,407,221.5
Public Authority	Small Com/Pub Auth <250 Mcf/Year	141	2,333.4	2,820.6	3,107.3	2,663.6	1,960.5	1,065.4	487.5	217.3	332.8	167.9	494.5	1,252.5	16,903.3
	Small Com/Pub Auth 250-1000 Mcf/Year	152	9,184.9	11,823.3	11,974.1	10,522.9	8,160.7	4,054.7	2,854.3	986.3	917.2	781.1	1,405.9	4,643.7	67,309.1
	Large Com/Public Authority	264	192,882.0	279,669.9	260,757.3	243,557.9	245,319.3	138,319.5	89,155.4	44,575.2	37,643.8	39,766.9	48,222.5	108,351.4	1,728,221.1
	Large Com/Public Authority - E	0													0.0
Total Public Authority MMNGS		557	204,400.3	294,313.8	275,838.7	256,744.4	255,440.5	143,439.6	92,497.2	45,778.8	38,893.8	40,715.9	50,122.9	114,247.6	1,812,433.5
Total Public Authority SATC	SATC Small Com/Pub Auth <250 Mcf/Year	35	666.0	844.1	728.9	579.1	414.4	197.4	56.0	23.6	18.1	27.4	77.8	248.0	3,880.8
	SATC Small Com/Pub Auth 250-1000 Mcf/Year	21	1,458.3	1,784.7	1,443.9	1,435.1	987.0	463.6	290.9	314.3	107.3	115.3	227.0	615.2	9,242.6
	SATC Large Com/Public Authority	3	130.5	142.0	145.6	172.7	152.6	117.7	87.0	21.6	63.1	14.9	72.3	115.8	1,235.8
Total Public Authority SATC		59	2,254.8	2,770.8	2,318.4	2,186.9	1,554.0	778.7	433.9	359.5	188.5	157.6	377.1	979.0	14,359.2
Total Public Authority		616	206,655.1	297,084.6	278,157.1	258,931.3	256,994.5	144,218.3	92,931.1	46,138.3	39,082.3	40,873.5	50,500.0	115,226.6	1,826,792.7
Total MMNGS/SATC		21,740	1,200,651.8	1,569,100.6	1,469,406.7	1,352,501.0	1,239,554.9	781,860.5	546,869.1	405,585.6	395,789.6	400,500.5	459,771.6	780,769.9	10,602,361.8
Grand Total MMNGS/SATC & DMT		21,816	2,377,484.6	2,722,925.3	2,864,521.6	2,711,486.5	2,653,633.1	1,890,782.3	1,487,522.8	1,273,709.1	1,267,626.0	1,345,815.9	1,368,182.3	1,910,643.1	23,874,332.6

National Fuel Gas Distribution Corporation
Pennsylvania Division
Current Rates

Monthly Metered Transportation Service		Daily Metered Transportation Service	
<u>Monthly Rates per Mcf:</u>		<u>Monthly Rates per Mcf:</u>	
Residential	\$3.3311	Residential	\$2.9611
Small Com/Pub <250 Mcf per year	\$2.6694	Small Com/Pub <250 Mcf per year	\$2.2994
Small Com/Pub 250-1000 Mcf per year	\$2.4255	Small Com/Pub 250-1000 Mcf per year	\$2.0555
Large Com/Pub Authority	\$2.0322	Large Com/Pub Authority	\$1.6622
Small Volume Industrial Service	\$2.4422	Small Volume Industrial Service	\$2.0722
Intermediate Volume Industrial Service	\$1.7047	Intermediate Volume Industrial Service	\$1.3347
Large Volume Industrial Service	\$1.3943	Large Volume Industrial Service	\$1.0243
Large Industrial Service	\$0.9693	Large Industrial Service	\$0.5993
		Large Manufacturing Service	\$0.5993

National Fuel Gas Distribution Corporation
Pennsylvania Division
Current Rates

Small Aggregation Transportation Customer (SATC) Service

Residential:

Basic Service Charge	\$14.00
Per Mcf	\$3.3405

Small Com/Pub Authority (< 250 Mcf per year):

Basic Service Charge	\$27.00
Per Mcf	\$2.6788

Small Com/Pub Authority (250-1000 Mcf per year):

Basic Service Charge	\$37.00
Per Mcf	\$2.4349

Large Commercial/Public Authority:

Basic Service Charge	\$151.00
Per Mcf	\$2.0461

Small Volume Industrial Service:

Basic Service Charge	\$82.00
Per Mcf	\$2.4516

Intermediate Volume Industrial Service:

Basic Service Charge	\$252.00
Per Mcf	\$1.7141

NATIONAL FUEL GAS DISTRIBUTION CORPORATION

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

In order to show all Distribution's Pennsylvania Division pipelines that are 6" and larger, Distribution would have to provide its detailed operating maps, which exceed 4,000 sheets.

Upon request, Distribution will provide an oversized schematic map of the National Fuel Gas System that shows the locations and diameter sizes of certain National Fuel Gas Supply Corporation ("Supply"), Distribution and upstream pipeline major transmission lines, and Distribution's major market areas.

Listed below are select supporting sheets from Supply's FERC Gas Tariff under Rate Schedule EFT that identify (1) pressure and capacities at Supply pipeline connections, (2) pressures at Supply's delivery points to Distribution and (3) storage injection and withdrawal levels for Supply's storages. These tariff sheets can be accessed through Supply's website.

<https://informationalpostings.natfuel.com/supply/docs/SupplyTariff.pdf#titlesheet>

Part 6 – Rate Schedules, Schedule 6.030: EFT Rate Schedule

§ 1 – Availability

§ 2 – Applicability and Character of Service

§ 3 – Rate

§ 4 – Operating Protocol for EFT Service

§ 5 – General Terms & Conditions

Distribution had two customers that represented 5% or more of Distribution's Pennsylvania Division throughput in a month.

(BEGIN CONFIDENTIAL PORTION)

(END CONFIDENTIAL PORTION)

Explanation of Rate Allocation and
Rate Structure Changes

National Fuel Gas Distribution Corporation (“Distribution”) has implemented a system wide customer choice program and has updated purchased gas cost charges associated with that program in addition to the modifications to Distribution’s Monthly Metered Transportation (“MMT”) and Daily Metered Transportation (“DMT”) rates to reflect the Federal Energy Regulatory Commission’s Order 636 as detailed in PGC Exhibit No. 24.

On October 30, 1998, Distribution filed its system wide customer choice program, which made aggregated transportation services available to all of Distribution’s small volume customers. The Commission permitted Distribution’s system wide customer choice program to become effective March 4, 1999. Distribution has been providing all customers with the opportunity to choose an alternative natural gas supplier (“NGS”) since April 1, 1999. Under Distribution’s system wide choice program, qualified NGSs other than Distribution are able to serve the aggregated gas supply requirements of their customers. Retail customers receive transportation service under Distribution’s Small Aggregation Transportation Customer Service (“Rate Schedule SATC”). NGSs are required to qualify for service under Distribution’s Small Aggregation Transportation Supplier Service (“Rate Schedule SATS”).

On October 1, 1999, Distribution filed its Restructuring Filing in compliance with the Natural Gas Choice and Competition Act (“Act”). 66 Pa. C.S. §§ 2201-12. In that filing Distribution proposed, among other things, modifications to the upstream capacity allocations associated with the system wide choice program. On June 8, 2000 the Commission adopted an Order in Distribution’s Restructuring proceeding. This filing reflects the changes to SATC and SATS service approved by the Commission in Distribution’s Restructuring proceeding. This filing also reflects the changes in Distribution’s Pennsylvania Division’s upstream capacity as explained in Distribution’s “Petition for Approval of Amendment to Reliability Plan and Approval of Contract for Storage Capacity” filed with the Commission on September 8, 2000. Specifically, the following capacity allocations were utilized in determining the purchased gas costs to include in SATC rates.

<u>Percent of NGS Peak Day Peak Day Delivery Requirements Met by Upstream Capacity</u>	<u>Capacity</u>
1. 55%	National Fuel Gas Supply Corporation (“NFGSC”) storage and associated transmission released to NGS

2. 45% Mandatory release of upstream capacity

On June 29, 2010 the Commission approved the Purchase of Receivable Program. The Company will purchase NGSs account receivables for SATC customers with annual consumption less than 1,000 Mcf per year. The Company also established the Merchant Function Charge which unbundles the uncollectible cost component associated with purchased gas costs from delivery charges and includes such uncollectible cost recovery from the Natural Gas Supply and Gas Adjustment Charge gas cost rates.

On November 9, 2012, Distribution filed a revision to Tariff Gas – Pa. P.U.C. No. 9 (R-2012-2333775) proposing to unbundle natural gas procurement costs from the Company’s distribution rates and recover these costs through a Gas Procurement Charge (“GPC”) that are to be included in the Company’s Price To Compare. The parties in this proceeding agreed to a settlement which set the GPC at \$0.1050 / Mcf. The settlement was approved by the Commission at the Public Meeting held on May 23, 2013 and the tariff became effective June 1, 2013.

On March 2, 2017, Distribution filed Supplement No. 184 to Tariff Gas - Pa. P.U.C. No. 9 to comply with Act 47 of the Public Utility Code (66 PA. C. S.) which allowed for elimination of the migration rider. The tariff language was revised so the E-factor is only applicable to sales customers. On March 17, 2017, the Secretary sent Distribution a letter stating that Commission Staff reviewed the tariff revisions and found that suspension or further investigation does not appear warranted at this time. The tariff became effective on May 1, 2017.

PGC Exhibit No. 13A provides the calculation of the purchased gas costs associated with temperature swing and peaking capacity that are included in SATC rates.

National Fuel Gas Distribution Corporation
 Pennsylvania Division
 Computation of Purchased Cost
 Of Gas Transported Under the Rate Schedule
 Small Aggregation Transportation Customer Service
 On or After Aug 1, 2024

Computation Year: Twelve Months Ended July 2024

		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)
Temperature Swing/Peaking Capacity Costs						
NFGSC EFT Capacity for Temperature Swing/Peaking	1/	54,045	12	648,540.0	\$ 8.9534	\$ 5,806,638
NFGSC ESS Delivery Costs for Temperature Swing/Peaking	1/	43,379	12	520,548.0	\$ 4.2337	\$ 2,203,844
NFGSC ESS Capacity Costs for Temperature Swing/Peaking	2/	2,024,844	12	24,298,132.8	\$ 0.0748	\$ 1,817,500
NFGSC FSS Delivery Costs for Temperature Swing/Peaking		10,666	12	127,992.0	\$ 4.0694	\$ 520,851
NFGSC FSS Capacity Costs for Temperature Swing/Peaking		200,000	12	2,400,000.0	\$ 0.0713	<u>\$ 171,120</u>
Total Temperature Swing/Peaking Costs						\$ 10,519,953
Total Distribution Charge Costs						\$ 10,519,953
Volumes (Mcf)						
SATC Volumes						2,012,390
Sales Volumes						<u>21,817,752</u>
Total Volumes						<u>23,830,142</u>
Distribution Charge Gas Cost (\$/Mcf)						<u>\$ 0.4415</u>

1/ Includes 6,837 Dth of Contingency Capacity

2/ Includes 319,137 Dth of Contingency Capacity

3/ MSQ divided by NFGSC ESS G00539 Dth per day

National Fuel Gas Distribution Corporation
Pennsylvania Division

53.64 (c) (12) – Five Year Consecutive Three Day Peak Data by Customer Class

A schedule depicting the most recent five year consecutive three day peak data by customer class (or such other historic peak day data as is actually utilized for system planning), daily volumetric throughput by customer class (including end-user transportation throughput), gas interruptions and high, low and average temperature during each day.

Page 2 of this Exhibit provides consecutive three day peak day throughput data (retail sales and transportation service), allocated by customer class, for the most recent five years. National Fuel Gas Distribution Corporation's Pennsylvania Division has not had any gas interruptions during the most recent five years.

In addition, the high, low and average temperatures for each of the three days are shown.

**NATIONAL FUEL GAS DISTRIBUTION CORPORATION
PENNSYLVANIA DIVISION
FIVE YEAR CONSECUTIVE THREE DAY PEAK DATA BY CUSTOMER CLASS
VOLUMES IN MCF**

NOV-OCT 2022-2023	Residential	Commercial	Industrial	Pub Auth	Total	High Temp	Low Temp	Avg Temp	Gas Interruptions
December 23, 2023	181,715	70,695	83,204	23,516	359,130	12	0	6	0
December 24, 2023	164,952	64,058	78,517	21,376	328,902	15	12	14	0
December 25, 2023	159,724	62,078	61,099	20,697	303,598	20	12	16	0

NOV-OCT 2021-2022	Residential	Commercial	Industrial	Pub Auth	Total	High Temp	Low Temp	Avg Temp	Gas Interruptions
January 26, 2022	159,705	60,375	80,563	19,617	320,259	19	6	13	0
January 27, 2022	132,456	50,339	74,014	16,353	273,162	28	5	17	0
January 28, 2022	144,252	54,618	76,378	17,748	292,996	29	13	21	0

NOV-OCT 2020-2021	Residential	Commercial	Industrial	Pub Auth	Total	High Temp	Low Temp	Avg Temp	Gas Interruptions
February 7, 2021	130,601	50,804	64,093	15,280	260,778	23	16	20	0
February 8, 2021	126,707	49,372	68,594	14,877	259,549	24	13	19	0
February 9, 2021	139,433	53,957	72,129	16,264	281,784	25	20	23	0

NOV-OCT 2019-2020	Residential	Commercial	Industrial	Pub Auth	Total	High Temp	Low Temp	Avg Temp	Gas Interruptions
January 19, 2020	132,442	47,681	66,678	15,860	262,662	34	22	28	0
January 20, 2020	126,275	45,744	74,897	15,112	262,029	26	20	23	0
January 21, 2020	134,181	48,399	79,822	16,058	278,460	27	20	24	0

NOV-OCT 2018-2019	Residential	Commercial	Industrial	Pub Auth	Total	High Temp	Low Temp	Avg Temp	Gas Interruptions
January 30, 2019	186,957	68,423	98,962	21,704	376,045	10	-4	3	0
January 31, 2019	178,294	65,587	89,499	20,706	354,086	8	-4	2	0
February 1, 2019	172,260	62,998	81,926	19,968	337,151	15	2	9	0

National Fuel Gas Distribution Corporation
Pennsylvania Division

53.64 (c) (13) – Peak Day Methodology to Meet Future Demands

Identification and support for any design peak day methodology utilized to project future gas demands and any studies supporting the validity of such methodology.

National Fuel Gas Distribution Corporation's ("Distribution" or the "Company") projected 2025 design peak day gas demands under an extreme temperature scenario can be found on page 3. Detailed calculations and additional supporting documentation can be found on pages 4 through 19.

A design peak day analysis is performed by Distribution for capacity planning purposes and to allocate costs to customer classes. The use of the term "design peak day," by Distribution, refers to a calculated level of gas usage, based on the day in a winter season that has the highest number of degree days (i.e., the day with the lowest average temperature for which Distribution plans gas supplies and pipeline capacity). A peak day, in contrast, is the historical day of greatest gas usage in a winter period, which may not have occurred on the coldest day of the year. The peak may not occur on the coldest day of the year for several reasons (e.g., if the coldest day was not a business day and many businesses were not operating, the peak day might not be the coldest day).

Data based on 74 heating degree days is provided (page 19) since this was used for design peak day planning purposes. Based on the experience of the most recent 30 years, the Pennsylvania Division has experienced extreme heating degree days of 74. Therefore, it is realistic to expect similar extreme days to occur in the future.

Pages 4 through 12 represent the work papers used to compute the design peak day requirements. For the residential, commercial and public authority heat sensitive classes (both retail sales and transportation service), Distribution utilizes a method of extracting a base load volume and computing a daily heating volume for the temperature used in the design peak day analysis (74 degree days). Industrial classes are not generally sensitive to temperature, therefore, the design peak day sales are computed based on an operating schedule approach. For Small and Intermediate Volume Industrial Service, Distribution utilizes an operating schedule of 21 working days in a month. For Large Volume Industrial Service, Large Industrial Service, and Daily Metered Large Manufacturing Transportation Service, Distribution utilizes the actual operating schedule of each individual company (actual operating schedules are shown on pages 11 and 12 of this Exhibit).

The following examples are provided to illustrate the mechanics of the operating schedule calculations described above:

- Customer 19 on page 11 of this Exhibit operates 24 hours per day, 7 days per week. Customer 27's peak day consumption of 440 Mcf is equal to 13,649 Mcf of monthly consumption divided by an operating schedule factor of 31 days. The operating schedule factor is calculated by multiplying 7 days per week by 4.429 weeks. 4.429 weeks is calculated as 31 days divided by 7 days in a week.
- Customer 5 on page 12 of this Exhibit operates 24 hours per day, 5 days per week. Customer 13's peak day consumption of 1,027 Mcf is equal to 22,745 Mcf of monthly consumption divided by an operating schedule factor of 22.143 days. The operating schedule factor is calculated by multiplying 5 days per week by 4.429 weeks. 4.429 weeks is calculated as 31 days divided by 7 days in a week.

Page 9 provides the monthly gas requirements used to develop the design peak day and page 10 provides winter retail requirements for 2024-2025. The methodology employed to project gas requirements is similar to the methodology used in Distribution's last base rate proceeding, at docket number R-2022-3035730.

Econometric modeling results are also provided in this Exhibit, at the following page numbers:

- Residential – Pages 13 and 16
- Commercial – Pages 13, 14, 16, and 17
- Industrial – Pages 14 and 17
- Public Authority – Pages 15 and 18

As described above, page 19 of this Exhibit provides actual heating degree days for the most recent 30 year period.

National Fuel Gas Distribution Corporation
 Pennsylvania Division
 Projected Volumes in Mcf
 Shrinkage

2025

74 DD
 Base Case
 Peak Day
 Jan 2025

Retail Sales	
Residential	220,297
Commercial	39,720
Industrial	2,644
Public Authority	3,335
Subtotal Retail Sales	265,996
Company Use	74
Total Retail Sales	266,070
Retail Sales Shrinkage	400
Total Retail Sales Requirements	266,470

Transportation Service	
Residential MMT Transportation	1,554
Commercial MMT Transportation	43,984
Industrial MMT Transportation	25,170
Public Authority MMT Transportation	23,292
Total MMT Service	94,000
MMT Service Shrinkage	141
Total MMT Service Requirements	94,141

Residential SATC Transportation	21,237
Commercial SATC Transportation	2,875
Industrial SATC Transportation	294
Public Authority SATC Transportation	196
Total SATC Service	24,602
SATC Service Shrinkage	37
Total SATC Service Requirements	24,639

Residential DMT Transportation	0
Commercial DMT Transportation	4,216
Industrial DMT Transportation	57,955
Public Authority DMT Transportation	1,494
Total DMT Service	63,665
DMT Service Shrinkage	96
Total DMT Service Requirements	63,761
Total DMT Service Requirements (Dth - 1.05 Btu)	66,949

Residential Transportation Service	22,791
Commercial Transportation Service	51,075
Industrial Transportation Service	83,418
Public Authority Transportation Service	24,982
Total Transportation Service	182,266
Total Transportation Shrinkage	274
Total Transportation Requirements	182,540

Total Requirements	449,010
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NATIONAL FUEL GAS DISTRIBUTION CORPORATION 2023 Master Estimate

DIVISION: PENNSYLVANIA

PEAK DAY USED FOR CAPACITY ALLOCATION

WINTER PERIOD

VOLUMES IN MCF

Shrinkage

		FY 2025				
		0.15%				
		NOAA 2006 - 2020				
JANUARY NORMAL DEGREE DAYS =		1,116			BASE CASE 2024 62	BASE CASE 2024 74
Retail Sales		Jan-25	Jul-25	Aug-25	DEG DAYS	DEG DAYS
Residential		3,488,870	324,328	324,328	186,270	220,297
Commercial		629,055	58,477	58,477	33,585	39,720
Industrial		55,532			2,644	2,644
Public Authority		52,822	4,910	4,910	2,820	3,335
Company Use		2,289			74	74
Total Retail Sales		4,228,568			225,393	266,070
Total Retail Sales Shrinkage		6,352			339	400
Total Retail Sales Requirements		4,234,920			225,732	266,470

NATIONAL FUEL GAS DISTRIBUTION CORPORATION 2023 Master Estimate
 DIVISION: PENNSYLVANIA
 PEAK DAY USED FOR CAPACITY ALLOCATION
 WINTER PERIOD

VOLUMES IN MCF	FY 2025					
Shrinkage	0.15%					
	NOAA 2006 - 2020			BASE CASE 2024	BASE CASE 2024	
JANUARY NORMAL DEGREE DAYS =	1,116			52	MMT	
Residential				62	SATC	74
Transportation Service	Jan-25	Jul-25	Aug-25	DEG DAYS		DEG DAYS
Monthly Metered Transportation (MMT)						
Residential	23,436	2,179	2,179	1,061		1,480
Small Com/Pub Auth LL (<250 Mcf/Yr)	36	3	3	2		2
Small Com/Pub Auth UL (250-1,000 Mcf/Yr)	99	9	9	4		6
Large Commercial/Pub Authority	1,052	98	98	48		66
Residential MMT Service	24,623	2,289	2,289	1,115		1,554
Residential MMT Shrinkage	37	3	3	2		2
Residential MMT Requirements	24,660	2,292	2,292	1,117		1,556
Small Aggregation Transportation Customer (SATC)						
Residential SATC Service	336,324	31,265	31,265	17,956		21,236
Small Com/Pub Auth LL (<250 Mcf/Yr)	16	1	1	1		1
Residential SATC Service	336,340	31,266	31,266	17,957		21,237
Residential SATC Shrinkage	505	47	47	27		32
Residential SATC Requirements	336,845	31,313	31,313	17,984		21,269
Daily Metered Transportation (DMT)						
Residential DMT Service	0	0	0	0		0
Residential DMT Service	0	0	0	0		0
Residential DMT Shrinkage	0	0	0	0		0
Residential DMT Requirements	0	0	0	0		0
Summary:						
Residential Transportation Service	360,963	33,555	33,555	19,072		22,791
Residential Transportation Shrinkage	542	50	50	29		34
Residential Transportation Requirements	361,505	33,605	33,605	19,101		22,825

NATIONAL FUEL GAS DISTRIBUTION CORPORATION 2023 Master Estimate
DIVISION: PENNSYLVANIA
PEAK DAY USED FOR CAPACITY ALLOCATION
WINTER PERIOD
VOLUMES IN MCF

Shrinkage	FY 2025					
	NOAA 2006 - 2020			BASE CASE 2024		BASE CASE 2024
JANUARY NORMAL DEGREE DAYS =	1,116			52 62	MMT SATC	74
Commercial Transportation Service	Jan-25	Jul-25	Aug-25	DEG DAYS		DEG DAYS
Monthly Metered Transportation (MMT)						
Residential Sales Service	267	25	25	12		17
Small Commercial LL (<250 Mcf/Yr)	27,960	2,599	2,599	1,266		1,765
Small Commercial UL (250-1,000 Mcf/Yr)	127,161	11,821	11,821	5,756		8,029
Large Commercial (>1,000 Mcf/Yr)	541,193	50,310	50,310	24,496		34,173
Commercial MMT Service	696,581	64,755	64,755	31,530		43,984
Commercial MMT Shrinkage	1,046	97	97	47		66
Commercial MMT Requirements	697,627	64,852	64,852	31,577		44,050
Small Aggregation Transportation Customer (SATC)						
Residential Sales Service	0	0	0	0		0
Small Commercial LL (<250 Mcf/Yr)	14,316	1,331	1,331	764		904
Small Commercial UL (250-1,000 Mcf/Yr)	23,559	2,190	2,190	1,258		1,488
Large Commercial (>1,000 Mcf/Yr)	7,648	711	711	408		483
Commercial SATC Service	45,523	4,232	4,232	2,430		2,875
Commercial SATC Shrinkage	68	6	6	4		4
Commercial SATC Requirements	45,591	4,238	4,238	2,434		2,879
Daily Metered Transportation (DMT)						
Large Commercial (>1,000 Mcf/Yr) DMT	89,163	49,509	50,151	3,793		4,216
Commercial DMT Service	89,163	49,509	50,151	3,793		4,216
Commercial DMT Shrinkage	134	74	75	6		6
Commercial DMT Requirements	89,297	49,583	50,226	3,799		4,222
Summary:						
Commercial Transportation	831,267	118,495	119,138	37,753		51,075
Commercial Transportation Shrinkage	1,248	177	178	57		76
Commercial Transportation Requirements	832,515	118,672	119,316	37,810		51,151

NATIONAL FUEL GAS DISTRIBUTION CORPORATION
DIVISION: PENNSYLVANIA
PEAK DAY USED FOR CAPACITY ALLOCATION
WINTER PERIOD
VOLUMES IN MCF

2023 Master Estimate

	FY 2025		
	0.15%	BASE CASE 2024 62 SATC DEG DAYS	BASE CASE 2024 74 DEG DAYS
Shrinkage			
Industrial			
Transportation Service	Jan-25	DEG DAYS	DEG DAYS
Monthly Metered Transportation (MMT)			
Small Volume Industrial Service-SVIS	7,402	239	352
Intermediate Volume Industrial Service-IVIS	445,267	14,363	21,203
Large Volume Industrial Service -LVIS	63,460	2,047	2,613
Large Volume Industrial Service -LVIS Load Balancing	0	0	0
Large Volume Industrial Service -LVIS	63,460	2,047	2,613
Large Industrial Service -LIS	32,185	1,038	1,002
Industrial Monthly Metered Transportation MMT Service	548,313	17,687	25,170
Industrial MMT Shrinkage	824	27	38
Industrial MMT Service Requirements	549,137	17,714	25,208
Small Aggregation Transportation Customer (SATC)			
Small Volume Industrial Service-SVIS	1,183	38	56
Intermediate Volume Industrial Service (IVIS)	2,255	73	238
Industrial SATC	3,437	111	294
Industrial SATC Shrinkage	5	0	0
Industrial SATC Requirements	3,442	111	294
Daily Metered Transportation (DMT)			
Intermediate Volume Industrial Service-IVIS	83,356	2,689	7,449
Large Volume Industrial Service -LVIS			
LVIS Daily Metered	257,054	8,292	7,112
LVIS Daily Metered Flex	0	0	0
LVIS Daily Metered Transportation	257,054	8,292	7,112
Large Industrial Service -LIS			
LIS Daily Metered	534,054	17,228	32,723
LIS Daily Metered Flex Rate	513,007	16,549	4,653
LIS Daily Metered Transportation	1,047,061	33,777	37,376
Daily Metered Large Manufacturing Transportation Service - DMLMTS	202,148	6,521	6,018
Industrial DMT Service	1,589,618	51,279	57,955
Industrial DMT Shrinkage	2,388	77	87
Industrial DMT Requirements	1,592,006	51,356	58,042
Summary:			
Industrial Transportation	2,141,369	69,077	83,418
Industrial Transportation Shrinkage	3,217	104	125
Industrial Transportation Requirements	2,144,586	69,181	83,543

NATIONAL FUEL GAS DISTRIBUTION CORPORATION 2023 Master Estimate
 DIVISION: PENNSYLVANIA
 PEAK DAY USED FOR CAPACITY ALLOCATION
 WINTER PERIOD

VOLUMES IN MCF	FY 2025					
Shrinkage	0.15%					
	NOAA 2006 - 2020					
JANUARY NORMAL DEGREE DAYS =	1,116			BASE CASE 2024 52	MMT SATC 62	BASE CASE 2024 74
Public Authority Transportation Service	Jan-25	Jul-25	Aug-25	DEG DAYS		DEG DAYS
Monthly Metered Transportation (MMT)						
Small Public Auth-LL (< 250 Mcf/Yr)	3,569	332	332	162		225
Small Public Auth-UL (250-1,000 Mcf/Yr)	13,939	1,296	1,296	631		880
Large Public Auth (>1,000 Mcf/Yr)	351,373	32,664	32,664	15,904		22,187
Public Authority MMT Service	368,881	34,292	34,292	16,697		23,292
Public Authority MMT Shrinkage	554	52	52	25		35
Public Authority MMT Requirements	369,435	34,344	34,344	16,722		23,327
Small Aggregation Transportation Customer (SATC)						
Small Public Auth-LL (< 250 Mcf/Yr)	979	91	91	52		62
Small Public Auth-UL (250-1,000 Mcf/Yr)	1,658	154	154	89		105
Large Public Authority (>1,000 Mcf/Yr)	456	42	42	24		29
Public Authority SATC Service	3,093	288	288	165		196
Public Authority SATC Shrinkage	5	0	0	0		0
Public Authority SATC Requirements	3,098	288	288	165		196
Daily Metered Transportation (DMT)						
Large Public Authority DMT Service	26,868	8,440	8,449	1,296		1,494
Large Public Authority DMT Service	26,868	8,440	8,449	1,296		1,494
Public Authority DMT Shrinkage	40	13	13	2		2
Public Authority DMT Requirements	26,908	8,453	8,462	1,298		1,496
Summary:						
Public Authority Transportation	398,842	43,019	43,028	18,158		24,982
Public Authority Transportation Shrinkage	599	65	65	27		37
Public Authority Transportation Requirements	399,441	43,084	43,093	18,185		25,019

National Fuel Gas Distribution Corporation
 Pennsylvania Division
 Projected Gas Requirements - Calendar Month
 Volumes in Mcf

	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Total
Retail Sales													
Residential	1,685,786	2,545,976	3,488,870	3,002,738	2,595,706	1,531,550	933,344	360,365	324,328	324,328	324,328	909,982	18,027,300
Commercial	303,953	459,048	629,055	541,404	468,014	276,143	168,285	64,975	58,477	58,477	58,477	164,842	3,251,151
Industrial	26,833	40,524	55,532	47,795	41,316	24,378	14,856	5,736	5,162	5,162	5,162	14,849	287,306
Public Authority	25,523	38,546	52,822	45,462	39,299	23,188	14,131	5,456	4,910	4,910	4,910	14,081	273,239
Subtotal Retail Sales	2,042,094	3,084,094	4,226,279	3,637,398	3,144,336	1,855,258	1,130,616	436,531	392,878	392,878	392,878	1,103,754	21,838,995
Company Use	836	836	1,910	2,289	2,163	1,997	1,385	947	236	70	62	836	13,567
Total Retail Sales	2,042,930	3,084,930	4,228,189	3,639,687	3,146,499	1,857,255	1,132,001	437,478	393,114	392,948	392,940	1,104,590	21,852,562
Retail Sales Shrinkage	3,069	4,634	6,352	5,468	4,727	2,790	1,701	657	591	590	590	1,659	32,828
Total Retail Sales Requirements	2,045,999	3,089,564	4,234,541	3,645,155	3,151,226	1,860,045	1,133,702	438,135	393,705	393,538	393,530	1,106,249	21,885,390
Transportation Service													
Residential MMT Transportation	11,897	17,968	24,623	21,192	18,319	10,809	6,587	2,543	2,289	2,289	2,289	6,484	127,289
Commercial MMT Transportation	336,581	508,325	696,581	599,521	518,254	305,786	186,350	71,950	64,755	64,755	64,755	182,357	3,599,970
Industrial MMT Transportation	300,658	415,668	548,313	480,279	425,832	281,079	204,656	128,286	125,252	132,954	131,502	210,463	3,384,942
Public Authority MMT Transportation	178,240	269,188	368,881	317,482	274,446	161,932	98,683	38,102	34,292	34,292	34,292	95,390	1,905,219
Total MMT Service	827,376	1,211,150	1,638,398	1,418,474	1,236,852	759,606	496,276	240,880	226,587	234,289	232,837	494,694	9,017,420
MMT Service Shrinkage	1,243	1,819	2,461	2,131	1,858	1,141	746	362	340	352	350	743	13,546
Total MMT Service Requirements	828,619	1,212,969	1,640,859	1,420,605	1,238,710	760,747	497,022	241,242	226,927	234,641	233,187	495,437	9,030,966
Residential SATC Transportation	162,516	245,442	336,340	289,475	250,236	147,647	89,978	34,741	31,266	31,266	31,266	83,560	1,733,734
Commercial SATC Transportation	21,996	33,220	45,523	39,180	33,869	19,984	12,178	4,702	4,232	4,232	4,232	9,895	233,242
Industrial SATC Transportation	2,379	3,363	3,437	3,081	2,499	1,603	724	399	390	431	631	1,293	20,230
Public Authority SATC Transportation	1,494	2,257	3,093	2,662	2,301	1,358	827	319	288	288	288	755	15,929
Total SATC Service	188,386	284,282	388,393	334,398	288,904	170,592	103,707	40,161	36,176	36,217	36,417	95,504	2,003,136
SATC Service Shrinkage													0
Total SATC Service Requirements	188,386	284,282	388,393	334,398	288,904	170,592	103,707	40,161	36,176	36,217	36,417	95,504	2,003,136
Residential DMT Transportation	0	0	0	0	0	0	0	0	0	0	0	0	0
Commercial DMT Transportation	61,311	73,254	80,070	89,163	80,629	80,175	69,315	59,606	51,274	49,509	50,151	62,601	807,058
Industrial DMT Transportation	1,179,029	1,328,546	1,575,121	1,589,618	1,430,272	1,393,386	1,231,557	1,104,793	1,084,843	1,170,876	1,221,528	1,274,365	15,583,934
Public Authority DMT Transportation	15,321	21,533	26,303	26,868	24,530	24,279	18,196	8,368	8,611	8,440	8,449	15,321	206,219
Total DMT Service	1,255,661	1,423,333	1,681,494	1,705,649	1,535,431	1,497,841	1,319,068	1,172,766	1,144,728	1,228,825	1,280,128	1,352,287	16,597,211
DMT Service Shrinkage	1,886	2,138	2,526	2,562	2,307	2,250	1,982	1,762	1,720	1,846	1,923	2,031	24,933
Total DMT Service Requirements	1,257,547	1,425,471	1,684,020	1,708,211	1,537,738	1,500,091	1,321,050	1,174,528	1,146,448	1,230,671	1,282,051	1,354,318	16,622,144
Residential Transportation Service	174,413	263,410	360,963	310,667	268,555	158,456	96,565	37,284	33,555	33,555	33,555	90,045	1,861,024
Commercial Transportation Service	419,888	614,799	822,174	727,864	632,752	405,945	267,843	136,257	120,261	118,495	119,138	254,853	4,640,270
Industrial Transportation Service	1,482,067	1,747,578	2,126,872	2,072,978	1,858,602	1,676,068	1,436,936	1,233,477	1,210,484	1,304,261	1,353,661	1,486,121	18,989,105
Public Authority Transportation Service	195,055	292,978	398,277	347,012	301,277	187,569	117,707	46,789	43,190	43,019	43,028	111,466	2,127,368
Total Transportation Service	2,271,423	2,918,764	3,708,286	3,458,521	3,061,187	2,428,039	1,919,051	1,453,807	1,407,490	1,499,331	1,549,382	1,942,485	27,617,766
Total Transportation Shrinkage	3,412	4,385	5,571	5,196	4,599	3,648	2,883	2,184	2,114	2,252	2,328	2,918	41,490
Total Transportation Requirements	4,546,258	5,841,914	7,422,142	6,922,238	6,126,973	4,859,725	3,840,984	2,909,799	2,817,095	3,000,914	3,101,093	3,887,888	27,659,256
Total Requirements	4,320,551	6,012,286	7,947,813	7,108,369	6,216,578	4,291,475	3,055,481	1,894,067	1,803,256	1,895,067	1,945,186	3,051,508	49,544,647

**National Fuel Gas Distribution Corporation
Pennsylvania Division
Projected Retail Gas Requirements - Calendar Month
Volumes in Mcf**

	WINTER PERIOD - CALENDAR MONTH					
	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Total
Retail Sales						
Residential	1,685,786	2,545,976	3,488,870	3,002,738	2,595,706	13,319,075
Commercial	303,953	459,048	629,055	541,404	468,014	2,401,473
Industrial	26,833	40,524	55,532	47,795	41,316	212,000
Public Authority	25,523	38,546	52,822	45,462	39,299	201,652
Subtotal Retail Sales	2,042,094	3,084,094	4,226,279	3,637,398	3,144,336	16,134,201
Company Use	836	836	1,910	2,289	2,163	8,034
Total Retail Sales	2,042,930	3,084,930	4,228,189	3,639,687	3,146,499	16,142,235
Subtotal Retail Sales Shrinkage	3,069	4,634	6,352	5,468	4,727	24,250
Total Retail Sales Requirements	2,045,999	3,089,564	4,234,541	3,645,155	3,151,226	16,166,485

NFGDC - Pennsylvania Division
Volumes in Mcf
Consumption Month: January 2025

LVIS CUSTOMERS			JANUARY 2025					2025 PEAK DAY				
	Hours/Day	Days/Week	MMT	MMT Flex	DMT	DMT Flex	TOTAL	MMT	MMT Flex	DMT	DMT Flex	TOTAL
1	24.00	7.00			9,744		9,744			314		314
2	24.00	7.00	6,344				6,344	205				205
3	24.00	7.00			9,340		9,340			301		301
4	20.00	5.00			12,069		12,069			654		654
5	24.00	5.00			7,669		7,669			346		346
6	24.00	7.00			8,884		8,884			287		287
7	24.00	7.00			5,774		5,774			186		186
8	24.00	6.00			15,632		15,632			588		588
9	24.00	7.00			10,212		10,212			329		329
10	24.00	7.00			16,300		16,300			526		526
11	24.00	7.00	4,922				4,922	159				159
12	24.00	7.00			18,430		18,430			595		595
13	24.00	5.00			7,085		7,085			320		320
14	24.00	7.00			15,592		15,592			503		503
15	24.00	7.00			12,423		12,423			401		401
16	24.00	7.00			8,025		8,025			259		259
17	24.00	7.00			11,145		11,145			360		360
18	24.00	7.00		4,991			4,991		161			161
19	24.00	7.00			13,649		13,649			440		440
20	24.00	7.00			3,935		3,935			127		127
21	8.00	5.00	9,094				9,094	1,232				1,232
22	24.00	7.00	8,156				8,156	263				263
23	24.00	6.00	10,291				10,291	387				387
24	16.00	5.00			8,502		8,502			576		576
25	0.00	0.00	0				0	0				0
26	24.00	7.00	6,392				6,392	206				206
			45,199	4,991	194,409	0	244,599	2,452	161	7,112	0	9,725

*Note: The peak day forecast for Customer 18 is based on a bypass agreement with the customer.

NFGDC - Pennsylvania Division
Volumes in Mcf
Consumption Month: January 2025

LIS CUSTOMERS	Hours/Day Days/Week		JANUARY 2025					2025 PEAK DAY										
			MMT	MMT Flex	DMT	DMT Flex	TOTAL	MMT	MMT Flex	DMT	DMT Flex	TOTAL						
1	20.00	6.00			24,048					24,048			1,086					1,086
2	24.00	6.00			53,961					53,961			2,031					2,031
3	24.00	7.00			14,559					14,559			470					470
4	24.00	6.00			24,685					24,685			929					929
5	24.00	5.00			22,745					22,745			1,027					1,027
6	24.00	7.00			37,455					37,455			1,208					1,208
7	24.00	6.00			45,110					45,110			1,698					1,698
8	24.00	7.00			21,623					21,623			698					698
9	24.00	7.00			111,428					111,428			3,594					3,594
10	24.00	5.00			29,244					29,244			1,321					1,321
11	24.00	7.00			113,000					113,000			3,645					3,645
12	24.00	7.00			34,935					34,935			1,127					1,127
13	24.00	7.00	31,050							31,050	1,002							1,002
14	24.00	7.00			122,975					122,975			3,967					3,967
15	24.00	7.00			92,306					92,306			2,978					2,978
16	24.00	7.00			215,294					215,294			6,945					6,945
17	24.00	7.00						64,236		64,236					2,072			2,072
18	24.00	7.00						80,000		80,000					2,581			2,581
Total LIS			31,050	0	963,365	144,236	1,138,651				1,002	0	32,723	4,653				38,377

DMLMTS CUSTOMER	Hours/Day Days/Week		EXTREME PEAK DAY									
			MMT	MMT Flex	DMT	DMT Flex	TOTAL					
1	24.00	7.00				186,545	186,545				6,018	6,018
Total DMLMTS			0	0	0	186,545	186,545	0	0	0	6,018	6,018

MCF/Account Forecasting - Regression Results

Residential Retail & Transportation (Non Res E)

Normal MCF/Acct - Regression

SUMMARY OUTPUT

<i>Regression Statistics</i>	
Multiple R	0.99088377
R Square	0.98185065
Adjusted R Square	0.95154762
Standard Error	359.069847
Observations	34

ANOVA

	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>Significance F</i>
Regression	1	230173926	230173926	1785.24675	1.20609E-29
Residual	33	4254728.123	128931.155		
Total	34	234428654.1			

	<i>Coefficients</i>	<i>Standard Error</i>	<i>t Stat</i>	<i>P-value</i>	<i>Lower 95%</i>	<i>Upper 95%</i>	<i>Lower 95.0%</i>	<i>Upper 95.0%</i>
Intercept	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
2009	1.28391687	0.030386997	42.2521804	2.5963E-30	1.222094064	1.34573968	1.222094064	1.345739684

Residential Retail & Transportation (Res E & LIRA)

Normal MCF/Acct - Regression

SUMMARY OUTPUT

<i>Regression Statistics</i>	
Multiple R	0.99963768
R Square	0.99927549
Adjusted R Square	0.96897246
Standard Error	2.65309908
Observations	34

ANOVA

	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>Significance F</i>
Regression	1	320375.5796	320375.58	45514.7821	4.93393E-52
Residual	33	232.2848453	7.03893471		
Total	34	320607.8645			

	<i>Coefficients</i>	<i>Standard Error</i>	<i>t Stat</i>	<i>P-value</i>	<i>Lower 95%</i>	<i>Upper 95%</i>	<i>Lower 95.0%</i>	<i>Upper 95.0%</i>
Intercept	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
2009	0.04790033	0.000224524	213.341937	2.1395E-53	0.047443538	0.04835713	0.047443538	0.048357132

Commercial Retail & Transportation SM

Normal MCF/Acct - Regression

SUMMARY OUTPUT

<i>Regression Statistics</i>	
Multiple R	0.99871953
R Square	0.9974407
Adjusted R Square	0.96713767
Standard Error	11.8459417
Observations	34

ANOVA

	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>Significance F</i>
Regression	1	1804760.223	1804760.22	12861.1655	2.90487E-43
Residual	33	4630.769077	140.326336		
Total	34	1809390.992			

	<i>Coefficients</i>	<i>Standard Error</i>	<i>t Stat</i>	<i>P-value</i>	<i>Lower 95%</i>	<i>Upper 95%</i>	<i>Lower 95.0%</i>	<i>Upper 95.0%</i>
Intercept	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
2009	0.11368904	0.001002486	113.407079	2.3654E-44	0.111649466	0.11572861	0.111649466	0.115728614

Commercial Retail & Transportation LG

Normal MCF/Acct - Regression

SUMMARY OUTPUT

<i>Regression Statistics</i>	
Multiple R	0.99935792
R Square	0.99871625
Adjusted R Square	0.96841322
Standard Error	108.555595
Observations	34

ANOVA

	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>Significance F</i>
Regression	1	302539134.4	302539134	25673.0304	4.65947E-48
Residual	33	388882.4679	11784.3172		
Total	34	302928016.9			

	<i>Coefficients</i>	<i>Standard Error</i>	<i>t Stat</i>	<i>P-value</i>	<i>Lower 95%</i>	<i>Upper 95%</i>	<i>Lower 95.0%</i>	<i>Upper 95.0%</i>
Intercept	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
2009	1.47197226	0.009186732	160.228058	2.6888E-49	1.453281708	1.4906628	1.453281708	1.490662802

Industrial Retail & Transportation

Normal MCF/Acct - Regression

SUMMARY OUTPUT

<i>Regression Statistics</i>	
Multiple R	0.99748341
R Square	0.99497315
Adjusted R Square	0.96467012
Standard Error	365.943638
Observations	34

ANOVA

	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>Significance F</i>
Regression	1	874697577.1	874697577	6531.74952	1.42869E-38
Residual	33	4419186.616	133914.746		
Total	34	879116763.7			

	<i>Coefficients</i>	<i>Standard Error</i>	<i>t Stat</i>	<i>P-value</i>	<i>Lower 95%</i>	<i>Upper 95%</i>	<i>Lower 95.0%</i>	<i>Upper 95.0%</i>
Intercept	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
2009	2.50286719	0.030968705	80.8192398	1.6286E-39	2.43986089	2.5658735	2.43986089	2.565873498

Public Authority Transportation - SM

Normal MCF/Acct - Regression

SUMMARY OUTPUT

<i>Regression Statistics</i>	
Multiple R	0.99913121
R Square	0.99826318
Adjusted R Square	0.96796015
Standard Error	11.0535739
Observations	34

ANOVA

	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>Significance F</i>
Regression	1	2317450.523	2317450.52	18967.279	5.87385E-46
Residual	33	4031.989361	122.181496		
Total	34	2321482.512			

	<i>Coefficients</i>	<i>Standard Error</i>	<i>t Stat</i>	<i>P-value</i>	<i>Lower 95%</i>	<i>Upper 95%</i>	<i>Lower 95.0%</i>	<i>Upper 95.0%</i>
Intercept	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
2009	0.12882913	0.000935431	137.721745	3.9418E-47	0.126925984	0.13073228	0.126925984	0.130732279

Public Authority Retail & Transportation - LG

Normal MCF/Acct - Regression

SUMMARY OUTPUT

<i>Regression Statistics</i>	
Multiple R	0.99740304
R Square	0.99481282
Adjusted R Square	0.96450979
Standard Error	440.356873
Observations	34

ANOVA

	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>Significance F</i>
Regression	1	1227252094	1227252094	6328.84156	2.3614E-38
Residual	33	6399167.801	193914.176		
Total	34	1233651262			

	<i>Coefficients</i>	<i>Standard Error</i>	<i>t Stat</i>	<i>P-value</i>	<i>Lower 95%</i>	<i>Upper 95%</i>	<i>Lower 95.0%</i>	<i>Upper 95.0%</i>
Intercept	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
2009	2.96466574	0.037266072	79.5540166	2.7341E-39	2.888847348	3.04048414	2.888847348	3.040484137

Account Forecasting - Regression Results

Residential Retail & Transportation (Non Res E)

SUMMARY OUTPUT

<i>Regression Statistics</i>	
Multiple R	0.968671
R Square	0.938323
Adjusted R Square	0.90802
Standard Error	17.81909
Observations	34

ANOVA

	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>Significance F</i>
Regression	1	159409.7	159409.7	502.0463169	3.97847E-21
Residual	33	10478.16	317.5199		
Total	34	169887.9			

	<i>Coefficients</i>	<i>Standard Error</i>	<i>t Stat</i>	<i>P-value</i>	<i>Lower 95%</i>	<i>Upper 95%</i>	<i>Lower 95.0%</i>	<i>Upper 95.0%</i>
Intercept	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
2009	0.033788	0.001508	22.40639	1.54678E-21	0.030720292	0.036856	0.03072	0.036856

Residential Retail & Transportation (Res E & LIRA)

SUMMARY OUTPUT

<i>Regression Statistics</i>	
Multiple R	0.999277
R Square	0.998554
Adjusted R Square	0.968251
Standard Error	7493.554
Observations	34

ANOVA

	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>Significance F</i>
Regression	1	1.28E+12	1.28E+12	22783.91159	3.13945E-47
Residual	33	1.85E+09	56153354		
Total	34	1.28E+12			

	<i>Coefficients</i>	<i>Standard Error</i>	<i>t Stat</i>	<i>P-value</i>	<i>Lower 95%</i>	<i>Upper 95%</i>	<i>Lower 95.0%</i>	<i>Upper 95.0%</i>
Intercept	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
2009	95.7218	0.634157	150.9434	1.92279E-48	94.43159419	97.012	94.43159	97.012

Commercial Retail & Transportation SM

Total Customers - Regression

SUMMARY OUTPUT

<i>Regression Statistics</i>	
Multiple R	0.999211
R Square	0.998423
Adjusted R Square	0.96812
Standard Error	559.9862
Observations	34

ANOVA

	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>Significance F</i>
Regression	1	6.55E+09	6.55E+09	20894.83372	1.25149E-46
Residual	33	10348291	313584.6		
Total	34	6.56E+09			

	<i>Coefficients</i>	<i>Standard Error</i>	<i>t Stat</i>	<i>P-value</i>	<i>Lower 95%</i>	<i>Upper 95%</i>	<i>Lower 95.0%</i>	<i>Upper 95.0%</i>
Intercept	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
2009	6.850238	0.04739	144.5505	8.00287E-48	6.753822111	6.946653	6.753822	6.946653

Commercial Retail & Transportation LG

Normal MCF/Acct - Regression
SUMMARY OUTPUT

<i>Regression Statistics</i>	
Multiple R	0.999437
R Square	0.998874
Adjusted R Square	0.968571
Standard Error	41.24015
Observations	34

ANOVA					
	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>Significance F</i>
Regression	1	49802703	49802703	29282.79574	5.69122E-49
Residual	33	56124.74	1700.75		
Total	34	49858828			

	<i>Coefficients</i>	<i>Standard Error</i>	<i>t Stat</i>	<i>P-value</i>	<i>Lower 95%</i>	<i>Upper 95%</i>	<i>Lower 95.0%</i>	<i>Upper 95.0%</i>
Intercept	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
2009	0.597221	0.00349	171.1222	3.07557E-50	0.590120799	0.604322	0.590121	0.604322

Industrial Retail & Transportation

Total Customers - Regression
SUMMARY OUTPUT

<i>Regression Statistics</i>	
Multiple R	0.999896
R Square	0.999792
Adjusted R Square	0.969489
Standard Error	7.667121
Observations	34

ANOVA					
	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>Significance F</i>
Regression	1	9326067	9326067	158647.7425	1.0473E-60
Residual	33	1939.897	58.78474		
Total	34	9328007			

	<i>Coefficients</i>	<i>Standard Error</i>	<i>t Stat</i>	<i>P-value</i>	<i>Lower 95%</i>	<i>Upper 95%</i>	<i>Lower 95.0%</i>	<i>Upper 95.0%</i>
Intercept	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
2009	0.258439	0.000649	398.3061	2.4337E-62	0.257118945	0.259759	0.257119	0.259759

Public Authority Transportation - SM

Total Customers - Regression

SUMMARY OUTPUT

<i>Regression Statistics</i>	
Multiple R	0.99977
R Square	0.99954
Adjusted R Square	0.969237
Standard Error	19.25539
Observations	34

ANOVA					
	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>Significance F</i>
Regression	1	26576216	26576216	71678.43057	3.46056E-55
Residual	33	12235.41	370.7701		
Total	34	26588452			

	<i>Coefficients</i>	<i>Standard Error</i>	<i>t Stat</i>	<i>P-value</i>	<i>Lower 95%</i>	<i>Upper 95%</i>	<i>Lower 95.0%</i>	<i>Upper 95.0%</i>
Intercept	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
2009	0.43627	0.00163	267.7283	1.19608E-56	0.432954774	0.439585	0.432955	0.439585

Public Authority Retail & Transportation - LG

SUMMARY OUTPUT

<i>Regression Statistics</i>	
Multiple R	0.996905
R Square	0.993819
Adjusted R Square	0.963516
Standard Error	27.47315
Observations	34

ANOVA					
	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>Significance F</i>
Regression	1	4004583	4004583	5305.669441	3.90818E-37
Residual	33	24907.55	754.7742		
Total	34	4029490			

	<i>Coefficients</i>	<i>Standard Error</i>	<i>t Stat</i>	<i>P-value</i>	<i>Lower 95%</i>	<i>Upper 95%</i>	<i>Lower 95.0%</i>	<i>Upper 95.0%</i>
Intercept	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
2009	0.169351	0.002325	72.84003	4.93739E-38	0.164620697	0.174081	0.164621	0.174081

**National Fuel Gas Distribution Corporation
Pennsylvania Division
Heating Degree Days**

YEAR	NOV - MAR HEATING SEASON	HEATING DEGREE DAYS	MEAN TEMPERATURE
1	1993 - 1994	76	-11
2	1994 - 1995	57	8
3	1995 - 1996	64	1
4	1996 - 1997	61	4
5	1997 - 1998	45	20
6	1998 - 1999	56	9
7	1999 - 2000	54	11
8	2000 - 2001	53	12
9	2001 - 2002	47	18
10	2002 - 2003	59	6
11	2003 - 2004	58	7
12	2004 - 2005	62	3
13	2005 - 2006	50	15
14	2006 - 2007	60	5
15	2007 - 2008	56	9
16	2008 - 2009	64	1
17	2009 - 2010	55	10
18	2010 - 2011	59	6
19	2011 - 2012	51	14
20	2012 - 2013	54	11
21	2013 - 2014	68	-3
22	2014 - 2015	71	-6
23	2015 - 2016	54	11
24	2016 - 2017	52	13
25	2017 - 2018	58	7
26	2018 - 2019	63	2
27	2019 - 2020	51	14
28	2020 - 2021	49	16
29	2021 - 2022	56	9
30	2022 - 2023	59	6

National Fuel Gas Distribution Corporation
Pennsylvania Division

53.64 (c) (14) – Historic and Future Minimum Gas Entitlements

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

As defined in National Fuel Gas Distribution Corporation’s (“Distribution” or the “Company”) Tariff, the Priority 1 category is composed of residential and firm critical commercial and public authority essential human needs customers. Essential human needs use includes any buildings where persons normally dwell, including but not limited to: apartment houses, dormitories, hotels, hospitals and nursing homes. It also includes use from natural gas sewage plants.

Page 2 shows by North American Industry Classification System (“NAICS”) code, volumes for January 2023 for commercial and public authority Priority 1 customers. December 23, 2022 is the most recent historic peak day experienced since it was the day with the greatest gas usage, as described in greater detail in Exhibit 14. The average temperature for December 23, 2022 was 20 degrees Fahrenheit or 45 degree days (on a midnight to midnight basis). Historical residential peak day usage (181,715 Mcf) was calculated using the same methodology described in Exhibit 14. Historical commercial and public authority Priority 1 peak day usage (23,770 Mcf) was calculated by allocating commercial/public authority Priority 1 service on a monthly basis (25.23%) to the commercial/public authority peak day.

The peak day gas supply that was needed to meet the January 2023 peak day, as well as the projected peak day gas supply that will be needed for priority 1 customers, is shown below. It should be noted that the projection for January 2025 is based on the peak day calculation presented in Exhibit 15.

	Historic Jan 2023	Future Jan 2025
Residential	181,715	243,088
Commercial	<u>23,770</u>	<u>30,052</u>
Total	205,485 Mcf	273,140 Mcf

National Fuel Gas Distribution Corporation
Pennsylvania Division
Priority One Categories by NAICS Code
January 2023 Volumes in Mcf

<u>NAICS</u>	<u>CATEGORY NAME</u>	<u>CUST</u>	<u>MCF</u>
221310	Water Supply and Irrigation Systems	49	6879.8
221320	Sewage Treatment Facilities	49	12496.2
531110	Lessors of Residential Buildings and Dwellings	723	54418.4
562211	Hazardous Waste Treatment and Disposal	12	622.5
562212	Solid Waste Landfill	2	349.5
562213	Solid Waste Combustors and Incinerators	1	526
562920	Materials Recovery Facilities	2	71.4
621492	Kidney Dialysis Centers	8	470.4
621610	Home Health Care Services	28	548.8
622110	General Medical and Surgical Hospitals	110	111343.6
622210	Psychiatric and Substance Abuse Hospitals	13	507
622310	Specialty (except Psychiatric and Substance Abuse) Hospitals	5	2523.1
623110	Nursing Care Facilities (Skilled Nursing Facilities)	136	36642.6
623210	Residential Intellectual and Developmental Disabilities Facilities	60	2228.9
623220	Residential Mental Health and Substance Abuse Facilities	11	2035
623311	Continuing Care Retirement Communities	5	4945.4
623312	Assisted Living Facilities for the Elderly	14	3929.5
623990	Other Residential Care Facilities	15	1327.7
721110	Hotels (except Casino Hotels) and Motels	160	15705.1
721191	Bed-and-Breakfast Inns	3	115.9
721211	RV (Recreational Vehicle) Parks and Campgrounds	16	328.4
721214	Recreational and Vacation Camps (except Campgrounds)	10	1106.4
721310	Rooming and Boarding Houses	15	27778.9
813110	Religious Organizations	427	45616.4
922120	Police Protection	24	1650.1
922140	Correctional Institutions	16	25783.4
922160	Fire Protection	162	9201.5
		<u>2,076</u>	<u>369,152</u>

NATIONAL FUEL GAS DISTRIBUTION CORPORATION

53.65 (1) Whenever a Section 1307(f) gas utility purchases gas, transportation or storage from an affiliated interest... it must ... file evidence to meet its burden pursuant to 66 Pa. C.S. Section 1317 (b). Such evidence ... shall include:

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

Attached hereto on pages 2 and 3 is the calculation of the average price charged by each of the upstream pipeline companies providing transportation or storage service to Distribution's Pennsylvania Division. Page 2 compares the average transportation cost by pipeline to Distribution's Pennsylvania Division for the timeframe December 2022 through November 2023. It is noted that services provided by the pipelines are not interchangeable. Some provide long distance transportation from distant sources of supply. Others provide services that are more regional in nature. National Fuel Gas Supply Corporation provides transportation services that connect the Company's numerous local distribution systems to long line interstate pipelines and local sources of supply. Page 3 shows the average storage rental cost to Distribution's Pennsylvania Division for the timeframe December 2022 through November 2023. Like transportation, storage services are not interchangeable. Some services are peaking services that cannot be used to meet seasonal demand. Other services do not have adequate capacity to meet Distribution's requirements or would require Distribution to incur additional charges for transportation services.

National Fuel Gas Distribution Corporation
 Pennsylvania Division
 Upstream Transportation Cost
 Twelve Months Ended November 2023

<u>Pipeline</u>	<u>Demand</u> (\$)	<u>Amount</u> <u>Commodity</u> (\$)	<u>Total</u> (\$)	<u>Volume</u> (Mcf)	<u>Unit Cost</u> (\$/Mcf)
Columbia	\$1,857,659	\$28,406	\$1,886,065	1,994,773	\$ 0.9455
Dominion	\$0	\$0	\$0	0	\$0.0000
Tennessee	\$5,984,848	\$367,394	\$6,352,242	7,719,201	\$ 0.8229
Texas Eastern	\$595,620	\$161,200	\$756,819	3,232,594	\$ 0.2341
Gross Total (Non-Affiliated)	\$8,438,127	\$557,000	\$8,995,126	12,946,568	\$0.6948
NFGSC (Affiliated)	\$23,154,087	\$319,440	\$23,473,528	17,280,685	\$1.3584

National Fuel Gas Distribution Corporation
 Pennsylvania Division
 Upstream Storage Rental Cost
 Twelve Months Ended November 2023

<u>Pipeline</u>	<u>Demand</u> (\$)	<u>Amount</u> <u>Commodity</u> (\$)	<u>Total</u> (\$)	<u>Volume</u> (Mcf)	<u>Unit Cost</u> (\$/Mcf)
Columbia	\$943,716	\$13,695	\$957,412	1,503,621	\$0.6367
Gross Total (Non-Affiliated)	\$943,716	\$13,695	\$957,412	1,503,621	\$0.6367
NFGSC (Affiliated)	\$12,461,270	\$606,236	\$13,067,506	12,755,361	\$1.0245

NATIONAL FUEL GAS DISTRIBUTION CORPORATION

53.65 Whenever a gas utility under 66 Pa. C.S. § 1307(f) (relating to sliding scale of rates; adjustments) purchases gas, transportation or storage from an affiliated interest ... it shall... file evidence to meet its burden under 66 Pa. C.S. § 1317(b) (relating to regulation of natural gas costs). The evidence ... shall include statements regarding:

- (2) Estimates of the quantity of gas, transportation or storage available to the utility from all sources.**

Distribution has contracted for transportation and storage capacity based on its geographic location, its interconnections with National Fuel Gas Supply Corporation ("Supply") and upstream pipelines that are accessible via Supply. The transportation and storage available to Distribution from Supply and other upstream pipelines are provided in PGC Exhibit No. 7.

Distribution primarily accesses gas supplies from the Northeast shale producing region, but with these pipelines it is possible for Distribution to access gas supplies from nearly any area of the United States and Canada.

NATIONAL FUEL GAS DISTRIBUTION CORPORATION

53.65 Whenever a gas utility under 66 Pa. C.S. § 1307(f) (relating to sliding scale of rates; adjustments) purchases gas, transportation, or storage from an affiliated interest ... it shall ... file evidence to meet its burden under 66 Pa. C.S. § 1317(b) (relating to regulation of natural gas costs). The evidence ... shall include statements regarding:

- (3) Efforts made by the utility to obtain gas, transportation, or storage from nonaffiliated sources.**
- (4) The specific reasons why the utility has purchased gas, transportation, or storage from an affiliated interest and demonstration that the purchases are consistent with a least cost fuel procurement policy.**

- (3) PGC Exhibit No. 8 provides Distribution's efforts to obtain gas, transportation, or storage from non-affiliated sources.
- (4) PGC Exhibit No. 8 provides the explanation of Distribution's historical purchasing policies as well as an explanation of the reason for the transportation and storage capacity purchased by Distribution from Supply.

Distribution made two automatic, non-discretionary purchases of monthly imbalance gas from National Fuel Resources, Inc. ("NFR"), its former affiliate, during the historical period ended November 30, 2023 (excluding November 2023 for which data is not yet available). These purchases represent prior period adjustments as NFR is no longer an active affiliate serving Distribution customers. These purchases totaled 568 Mcf of monthly surplus imbalance gas and were relative to Distribution's SATC and MMNGS services. These transactions with NFR were performed in the ordinary course of business under Distribution's tariff and in a non-discriminating manner.

NATIONAL FUEL GAS DISTRIBUTION CORPORATION

- 53.65** Whenever a gas utility under 66 Pa. C.S. § 1307(f) (relating to sliding scale of rates; adjustments) purchases gas, transportation, or storage from an affiliated interest ... it shall ... file evidence to meet its burden under 66 Pa. C.S. § 1317(b) (relating to regulation of natural gas costs). The evidence ... shall include statements regarding:
- (5) The sources and amounts of all gas, transportation or storage which have been withheld from the market by the utility or affiliated interest and the reasons why the gas, transportation or storage has been withheld.**

Distribution has not withheld any gas, transportation or storage from the market. As explained in PGC Exhibit No. 8, Distribution purchases gas from marketers and producers that originates primarily in the Northeast, as well as from local producers, and transports these purchases on its pipeline capacity to meet its customers' needs. Consistent with previous 1307(f) filings, Distribution does not consider gas it has contracted for but not taken due to operational or market conditions to be subject to this requirement.

NATIONAL FUEL GAS DISTRIBUTION CORPORATION
Pennsylvania Division
Computation of Purchased Gas Commodity Cost Per Mcf
On and After August 1, 2024

Computation Year: Twelve Months Ended July 2025

<u>Line No.</u>	<u>Description</u>	
1	Purchased Gas Commodity Costs = $(CC - E) \div S$	
2	CC = Commodity Cost of Gas (Exhibit 3)	76,803,656
3	S = Projected Sales for the Computation Year (See Exhibit 22)	<u>21,817,752</u>
4	Unit Commodity Cost (Line 2 / Line 3)	3.5202
5	Storage Interest (Exhibit 21B, Sheet 2)	<u>(0.0129)</u>
6	Total Commodity Cost (Line 4 + Line 5)	3.5073
7	E = Experienced Net Overcollection to be Refunded (See Schedule 5 - COMMODITY)	4,277,608
8	S = Projected Sales for the Computation Year (See Exhibit 22)	21,817,752
9	Projected SATC Volumes for Computation Year	<u>0</u>
10	Total Volumes for Recovery of Commodity E - Factor (Line 8 + Line 9)	21,817,752
11	Unit Commodity E-Factor Rate (Line 7 / Line 10)	<u>0.1961</u>
12	Projected Sales Commodity Cost per Mcf (Line 6 - Line 11)	<u><u>3.3112</u></u>

NATIONAL FUEL GAS DISTRIBUTION CORPORATION
 Pennsylvania Division
 Computation of Purchased Gas Demand Cost Per Mcf
 On and After August 1, 2024

Computation Year: Twelve Months Ended July 2025

<u>Line No.</u>	<u>Description</u>	
1	Purchased Gas Demand Costs = DC ÷ S	
2	DC = Demand Cost of Gas - Natural Gas Supply (Exhibit 3)	44,207,399
3	Projected Sales for Computation Year (Exhibit 22)	<u>21,817,752</u>
4	Unit Demand Cost (Line 2 / Line 3)	<u>2.0262</u>
5	E = Experienced Net Undercollection to be Recovered (See Schedule 2 - DEMAND - NGS)	(3,233,172)
6	S = Projected Sales for the Computation Year (Exhibit 22)	<u>21,817,752</u>
7	Unit Demand E-Factor Rate (Line 5 / Line 6)	<u>(0.1482)</u>
8	Projected Sales Demand Cost per Mcf (Line 4 - Line 7)	<u><u>2.1744</u></u>

NATIONAL FUEL GAS DISTRIBUTION CORPORATION
Pennsylvania Division
Computation of Purchased Gas Demand Cost Per Mcf
On and After August 1, 2024

Computation Year: Twelve Months Ended July 2025

<u>Line No.</u>	<u>Description</u>	
1	Purchased Gas Demand Costs = DC ÷ S	
2	DC = Demand Cost of Gas - Distribution Charge (Exhibit 3)	10,519,956
3	Projected Sales for Computation Year (Exhibit 22)	21,817,752
4	Projected SATC Volumes for Computation Year	<u>2,012,390</u>
5	Total Volumes for Recovery of Demand Costs - Distribution Charge	23,830,142
6	Unit Demand Cost (Line 2 / Line 5)	<u>0.4415</u>
7	E = Experienced Net Undercollection to be Recovered (See Schedule 2 - DEMAND - DC)	(24,052)
8	Total Volumes for Recovery of Demand Costs - Distribution Charge	23,830,142
9	Unit Demand E-Factor Rate	<u>(0.0010)</u>
10	Projected Sales Demand Cost per Mcf (Line 6 - Line 9)	<u><u>0.4425</u></u>

NATIONAL FUEL GAS DISTRIBUTION CORPORATION
Pennsylvania Division
Recovery of Gas Costs Under 2024 1307(f)

	(1)	(2)	(3)	(4)
	<u>Natural Gas Supply Charge</u>	<u>Gas Adjustment Charge</u>	<u>Distribution Charge</u>	<u>Total Gas Costs</u>
	(\$)	(\$)	(\$)	(\$)
Projected Gas Costs				
Demand	2.0262	0.1482	0.4425	2.6169
Commodity	<u>3.5073</u>	<u>(0.1961)</u>	<u>0.0000</u>	<u>3.3112</u>
Total Projected Gas Costs	5.5335	(0.0479)	0.4425	5.9281
Current Gas Costs (11/23)	<u>4.6076</u>	<u>(1.1113)</u>	<u>0.3794</u>	<u>3.8757</u>
Increase / (Decrease)	<u>0.9259</u>	<u>1.0634</u>	<u>0.0631</u>	<u>2.0524</u>

NATIONAL FUEL GAS DISTRIBUTION CORPORATION
Pennsylvania Division
Statement Showing the Development of Experienced Net
Over / (Under) Collections

<u>Line No.</u>	<u>Description</u>	<u>Amount</u> \$
1	Estimated Undercollection of gas cost for the twelve month period	
2	August 2023 through July 2024 to be Recovered (Schedule 3)	(3,120,172)
3	Reconciliation of estimated Undercollection of gas cost for the	
4	twelve month period August 2022 through July 2023 (Schedule 7)	0
5	Reconciliation of Overcollection of gas cost balances for the	
6	twelve month period August 2021 through July 2022	
7	(Schedule 8, Sheet 1)	0
8	Estimated Undercollection of gas cost for the	
9	twelve month period August 2022 through July 2023	
10	to be Recovered for the twelve months ended July 2024 (Schedule 8, Sheet 2)	(112,637)
11	Reconciliation of refund balances for the twelve month period	0
12	August 2021 - July 2022 (Schedule 9, Sheet 1)	
13	Estimated balance of refunds / (surcharges) for the twelve month period	(363)
14	August 2022 - July 2023 (Schedule 9, Sheet 2)	
15	Refunds Received and included in PGC 2024 (Schedule 4)	<u>0</u>
16	Total Amount to be Recovered	<u><u>(3,233,172)</u></u>

NATIONAL FUEL GAS DISTRIBUTION CORPORATION
Pennsylvania Division
Statement Showing the Development of Experienced Net
Over / (Under) Collections

<u>Line No.</u>	<u>Description</u>	<u>Amount</u> \$
1	Estimated Undercollection of gas cost for the twelve month period	
2	August 2023 through July 2024 to be Recovered (Schedule 3)	(32,380)
3	Reconciliation of estimated Undercollection of gas cost for the	
4	twelve month period August 2022 through July 2023 (Schedule 7)	0
5	Reconciliation of estimated Undercollection of gas cost balances for the	
6	twelve month period August 2021 through July 2022	
7	for the twelve months ended July 2023 (Schedule 8, Sheet 1)	0
8	Estimated Undercollection of gas cost for the	
9	twelve month period August 2022 through July 2023	
10	to be Recovered for the twelve months ended July 2024 (Schedule 8, Sheet 2)	(15,054)
11	Reconciliation of refund balances for the twelve month period	
12	August 2021 - July 2022 (Schedule 9, Sheet 1)	0
13	Estimated balance of refunds/surcharges for the twelve month period	
14	August 2022 - July 2023 (Schedule 9, Sheet 2)	<u>23,382</u>
15	Total Amount to be Recovered	<u><u>(24,052)</u></u>

**NATIONAL FUEL GAS DISTRIBUTION CORPORATION
PENNSYLVANIA DIVISION
STATEMENT OF TOTAL OVER / (UNDER) COLLECTIONS
TWELVE MONTHS ENDED JULY 2024**

DEMAND - NGS

	<u>Sales</u> Mcf (1)	PGC <u>Rate</u> \$ / Mcf (2)	PGC <u>Revenue</u> \$ (3 = 1 x 2)	Cost of <u>Fuel</u> \$ (4)	Over / (Under) <u>Collections</u> \$ (5 = 3 - 4)	Interest <u>Rate</u> % (6)	Interest <u>Weight</u> (7)	Interest <u>Expense / (Income)</u> \$ (8 = 5 x 6 x 7)
August (2023)								
Demand			404,702					
Standby / Priority			24,216					
Standby Overruns			391					
NGV - Demand			7,121					
LBS - Demand			0					
Overdelivery / Upstream Cap. Surcharge			88,622					
			525,052	713,742	(188,691)	8.50%	18 / 12	(24,058)
September								
Demand			488,557					
Standby / Priority			27,647					
Standby Overruns			684					
NGV - Demand			7,587					
LBS - Demand			0					
Overdelivery / Upstream Cap. Surcharge			82,896					
			607,370	303,844	303,526	8.50%	17 / 12	36,550
October								
Demand			810,447					
Standby / Priority			33,313					
Standby Overruns			2					
NGV - Demand			12,759					
LBS - Demand			0					
Overdelivery / Upstream Cap. Surcharge			83,388					
			939,909	16,878	923,031	8.50%	16 / 12	104,610
November								
Demand			2,215,172					
Standby / Priority			63,466					
Standby Overruns			8,269					
NGV - Demand			1,214					
LBS - Demand			0					
Overdelivery / Upstream Cap. Surcharge			93,690					
			2,381,811	4,839,367	(2,457,556)	8.50%	15 / 12	(261,115)

PGC Exhibit 21
Schedule 3
Sheet 1
DEMAND - NGS

**NATIONAL FUEL GAS DISTRIBUTION CORPORATION
PENNSYLVANIA DIVISION
STATEMENT OF TOTAL OVER / (UNDER) COLLECTIONS
TWELVE MONTHS ENDED JULY 2024**

DEMAND - NGS

	<u>Sales</u> Mcf (1)	PGC <u>Rate</u> \$ / Mcf (2)	PGC <u>Revenue</u> \$ (3 = 1 x 2)	Cost of <u>Fuel</u> \$ (4)	Over / (Under) <u>Collections</u> \$ (5 = 3 - 4)	Interest <u>Rate</u> % (6)	Interest <u>Weight</u> (7)	Interest <u>Expense / (Income)</u> \$ (8 = 5 x 6 x 7)
December								
Demand	<u>2,799,328</u>	1.8440	<u>5,161,961</u>	5,018,437	143,524	8.50%	14 / 12	14,233
	2,799,328		5,161,961					
January (2024)								
Demand	<u>3,742,164</u>	1.8440	<u>6,900,551</u>	7,575,691	(675,140)	8.50%	13 / 12	(62,169)
	3,742,164		6,900,551					
February								
Demand	<u>3,909,889</u>	1.8440	<u>7,209,835</u>	7,972,586	(762,751)	8.50%	12 / 12	(64,834)
	3,909,889		7,209,835					
March								
Demand	<u>3,390,346</u>	1.8440	<u>6,251,798</u>	9,004,829	(2,753,031)	8.50%	11 / 12	(214,507)
	3,390,346		6,251,798					

PGC Exhibit 21
Schedule 3
Sheet 2
DEMAND - NGS

**NATIONAL FUEL GAS DISTRIBUTION CORPORATION
PENNSYLVANIA DIVISION
STATEMENT OF TOTAL OVER / (UNDER) COLLECTIONS
TWELVE MONTHS ENDED JULY 2024**

DEMAND - NGS

	<u>Sales</u> Mcf (1)	<u>PGC</u> <u>Rate</u> \$ / Mcf (2)	<u>PGC</u> <u>Revenue</u> \$ (3 = 1 x 2)	<u>Cost of</u> <u>Fuel</u> \$ (4)	<u>Over / (Under)</u> <u>Collections</u> \$ (5 = 3 - 4)	<u>Interest</u> <u>Rate</u> % (6)	<u>Interest</u> <u>Weight</u> (7)	<u>Interest</u> <u>Expense / (Income)</u> \$ (8 = 5 x 6 x 7)
April								
Demand	<u>2,476,675</u>	1.8440	<u>4,566,989</u>	3,090,257	1,476,732	8.50%	10 / 12	104,602
	2,476,675		4,566,989					
May								
Demand	<u>1,279,705</u>	1.8440	<u>2,359,776</u>	1,022,928	1,336,848	8.50%	9 / 12	85,224
	1,279,705		2,359,776					
June								
Demand	<u>647,700</u>	1.8440	<u>1,194,359</u>	1,106,001	88,358	8.50%	8 / 12	5,007
	647,700		1,194,359					
July								
Demand	<u>403,521</u>	1.8440	<u>744,093</u>	1,009,497	(265,404)	8.50%	7 / 12	(13,160)
	403,521		744,093					
Total	18,649,329		38,843,504	41,674,058	(2,830,554)			(289,618)

PGC Exhibit 21
Schedule 3
Sheet 3
DEMAND - NGS

**NATIONAL FUEL GAS DISTRIBUTION CORPORATION
PENNSYLVANIA DIVISION
STATEMENT OF TOTAL OVER / (UNDER) COLLECTIONS
TWELVE MONTHS ENDED JULY 2024**

DEMAND - DC

	<u>Sales</u> Mcf (1)	<u>PGC</u> <u>Rate</u> \$ / Mcf (2)	<u>PGC</u> <u>Revenue</u> \$ (3 = 1 x 2)	<u>Cost of</u> <u>Fuel</u> \$ (4)	<u>Over / (Under)</u> <u>Collections</u> \$ (5 = 3 - 4)	<u>Interest</u> <u>Rate</u> % (6)	<u>Interest</u> <u>Weight</u> (7)	<u>Interest</u> <u>Expense / (Income)</u> \$ (8 = 5 x 6 x 7)
August (2023)								
Distribution Charge			85,212					
SATC			<u>8,576</u>	582,040	(488,252)	8.50%	18 / 12	(62,252)
			93,788					
September								
Distribution Charge			97,326					
SATC			<u>9,691</u>	582,040	(475,023)	8.50%	17 / 12	(57,201)
			107,017					
October								
Distribution Charge			162,160					
SATC			<u>16,169</u>	582,040	(403,711)	8.50%	16 / 12	(45,754)
			178,329					
November								
Distribution Charge			438,048					
SATC			<u>42,065</u>	582,096	(101,983)	8.50%	15 / 12	(10,836)
			480,113					
December								
Distribution Charge	2,799,328	0.3794	1,062,159					
SATC	<u>271,116</u>	0.3794	<u>102,870</u>	538,517	626,512	8.50%	14 / 12	62,129
	3,070,444		1,165,029					
January (2024)								
Distribution Charge	3,742,164	0.3794	1,419,902					
SATC	<u>365,015</u>	0.3794	<u>138,499</u>	538,517	1,019,884	8.50%	13 / 12	93,914
	4,107,179		1,558,401					

**NATIONAL FUEL GAS DISTRIBUTION CORPORATION
PENNSYLVANIA DIVISION
STATEMENT OF TOTAL OVER / (UNDER) COLLECTIONS
TWELVE MONTHS ENDED JULY 2024**

DEMAND - DC

	<u>Sales</u> Mcf (1)	<u>PGC</u> <u>Rate</u> \$ / Mcf (2)	<u>PGC</u> <u>Revenue</u> \$ (3 = 1 x 2)	<u>Cost of</u> <u>Fuel</u> \$ (4)	<u>Over / (Under)</u> <u>Collections</u> \$ (5 = 3 - 4)	<u>Interest</u> <u>Rate</u> % (6)	<u>Interest</u> <u>Weight</u> (7)	<u>Interest</u> <u>Expense / (Income)</u> \$ (8 = 5 x 6 x 7)
February								
Distribution Charge	3,909,889	0.3794	1,483,543					
SATC	379,905	0.3794	144,149					
	<u>4,289,793</u>		<u>1,627,692</u>	877,763	749,929	8.50%	12 / 12	63,744
March								
Distribution Charge	3,390,346	0.3794	1,286,411					
SATC	339,513	0.3794	128,823					
	<u>3,729,859</u>		<u>1,415,234</u>	877,763	537,471	8.50%	11 / 12	41,878
April								
Distribution Charge	2,476,675	0.3794	939,734					
SATC	250,667	0.3794	95,112					
	<u>2,727,342</u>		<u>1,034,846</u>	877,763	157,083	8.50%	10 / 12	11,127
May								
Distribution Charge	1,279,705	0.3794	485,563					
SATC	132,354	0.3794	50,220					
	<u>1,412,059</u>		<u>535,783</u>	877,763	(341,980)	8.50%	9 / 12	(21,801)
June								
Distribution Charge	647,700	0.3794	245,759					
SATC	64,592	0.3794	24,508					
	<u>712,292</u>		<u>270,267</u>	877,763	(607,496)	8.50%	8 / 12	(34,425)
July								
Distribution Charge	403,521	0.3794	153,109					
SATC	38,287	0.3794	14,527					
	<u>441,807</u>		<u>167,636</u>	877,763	(710,127)	8.50%	7 / 12	(35,210)
Total	20,490,777		8,634,135	8,671,828	(37,693)			5,313

NATIONAL FUEL GAS DISTRIBUTION CORPORATION
Pennsylvania Division

Refunds From and Payments to Gas Suppliers

	<u>Refund From</u>	<u>Date Received</u>	<u>Refund Amount</u> \$	<u>INTEREST</u>			<u>Total Refund Plus Interest</u> \$
				<u>Rate</u>	<u>Weight</u>	<u>Amount</u> \$	
A.				0.00%	0 / 12	0	0
B.				0.00%	0 / 12	0	0
			<hr/>			<hr/>	<hr/>
	TOTAL		<u>0</u>			<u>0</u>	<u>0</u>

NATIONAL FUEL GAS DISTRIBUTION CORPORATION
Pennsylvania Division
Statement Showing the Development of Experienced Net
Over / (Under) Collections

<u>Line No.</u>	<u>Description</u>	<u>Amount</u> \$
1	Estimated Overcollection of gas cost for the twelve month period	
2	August 2023 through July 2024 to be Refunded (Schedule 6)	3,667,303
3	Reconciliation of estimated Overcollection of gas cost for the	
4	twelve month period August 2022 through July 2023 (Schedule 7)	0
5	Reconciliation of Undercollection of gas cost for the	
6	twelve month period August 2021 through July 2022	
7	(Schedule 8, Sheet 1)	0
8	Reconciliation of estimated Overcollection of gas cost for the	
9	twelve month period August 2021 through July 2022	
10	to be Refunded for the twelve months ended July 2023 (Schedule 8, Sheet 2)	608,620
11	Reconciliation of refunds for the twelve month period	
12	August 2021 - July 2022 (Schedule 9, Sheet 1)	0
13	Estimated balance of refunds for the twelve month period	
14	August 2022 - July 2023 (Schedule 9, Sheet 2)	0
15	Refunds Received and included in PGC 2024 (Schedule 10)	0
16	Reconciliation of C-Factor Storage Interest Expense / (Income) originating in	
17	PGC 2022 for the twelve months ended July 2022 (Schedule 11, Sheet 1)	0
18	Actual C-Factor Storage Interest Expense / (Income) originating in	
19	PGC 2023 for the twelve months ended July 2023 (Schedule 11, Sheet 2)	0
20	Reconciliation of Storage Interest refund balance for the period August 2022 - July 2023	
21	(recovered)/passed back August 2023 - July 2024 (Schedule 11, Sheet 3)	(9,320)
22	Estimated C-Factor Interest Expense / (Income) originating in PGC 2023	
23	for the 12 month period ended July 2023 (Schedule 11, Sheet 4)	<u>11,004</u>
24	Total Amount to be Refunded	<u><u>4,277,608</u></u>

**NATIONAL FUEL GAS DISTRIBUTION CORPORATION
PENNSYLVANIA DIVISION
STATEMENT OF TOTAL OVER / (UNDER) COLLECTIONS
TWELVE MONTHS ENDED JULY 2024**

COMMODITY

	<u>Sales</u> Mcf (1)	PGC Rate \$ / Mcf (2)	PGC Revenue \$ (3 = 1 x 2)	Cost of Fuel \$ (4)	Over / (Under) Collections \$ (5 = 3 - 4)	Interest Rate % (6)	Interest Weight (7)	Interest Expense / (Income) \$ (8 = 5 x 6 x 7)
August (2023)								
Commodity			1,029,459					
Storage Inventory Recovery			16,169					
Reimbursement of NFGSC Transfer Fee			39					
Market Rate Differential			0					
City Gate Imbalance			0					
Sales Cashout			0					
OFO Penalty			0					
			1,045,666	(1,261,058)	2,306,725	8.50%	18 / 12	294,107
September								
Commodity			965,735					
Storage Inventory Recovery			17,162					
Reimbursement of NFGSC Transfer Fee			35					
Market Rate Differential			0					
City Gate Imbalance			7					
Sales Cashout			105					
OFO Penalty			0					
			983,045	(1,253,936)	2,236,980	8.50%	17 / 12	269,370
October								
Commodity			1,646,045					
Storage Inventory Recovery			25,587					
Reimbursement of NFGSC Transfer Fee			42					
Market Rate Differential			0					
City Gate Imbalance			408					
Sales Cashout			9,558					
OFO Penalty			0					
			1,681,641	442,786	1,238,856	8.50%	16 / 12	140,404
November								
Commodity			3,807,228					
Storage Inventory Recovery			25,415					
Reimbursement of NFGSC Transfer Fee			35					
Market Rate Differential			0					
City Gate Imbalance			10,148					
Sales Cashout			13,653					
OFO Penalty			0					
			3,856,479	5,136,800	(1,280,321)	8.50%	15 / 12	(136,034)

**NATIONAL FUEL GAS DISTRIBUTION CORPORATION
PENNSYLVANIA DIVISION
STATEMENT OF TOTAL OVER / (UNDER) COLLECTIONS
TWELVE MONTHS ENDED JULY 2024**

COMMODITY

	<u>Sales</u> Mcf (1)	<u>PGC</u> <u>Rate</u> \$ / Mcf (2)	<u>PGC</u> <u>Revenue</u> \$ (3 = 1 x 2)	<u>Cost of</u> <u>Fuel</u> \$ (4)	<u>Over / (Under)</u> <u>Collections</u> \$ (5 = 3 - 4)	<u>Interest</u> <u>Rate</u> % (6)	<u>Interest</u> <u>Weight</u> (7)	<u>Interest</u> <u>Expense / (Income)</u> \$ (8 = 5 x 6 x 7)
December								
Commodity	<u>2,799,328</u> 2,799,328	2.7643	<u>7,738,183</u> 7,738,183	9,602,222	(1,864,039)	8.50%	14 / 12	(184,851)
January (2024)								
Commodity	<u>3,742,164</u> 3,742,164	2.7643	<u>10,344,464</u> 10,344,464	13,347,395	(3,002,931)	8.50%	13 / 12	(276,520)
February								
Commodity	<u>3,909,889</u> 3,909,889	2.7643	<u>10,808,105</u> 10,808,105	11,434,197	(626,092)	8.50%	12 / 12	(53,218)
March								
Commodity	<u>3,390,346</u> 3,390,346	2.7643	<u>9,371,934</u> 9,371,934	9,168,244	203,690	8.50%	11 / 12	15,871

PGC Exhibit 21
Schedule 6
Sheet 2
COMMODITY

**NATIONAL FUEL GAS DISTRIBUTION CORPORATION
PENNSYLVANIA DIVISION
STATEMENT OF TOTAL OVER / (UNDER) COLLECTIONS
TWELVE MONTHS ENDED JULY 2024**

COMMODITY

		PGC	PGC	Cost of	Over / (Under)	Interest	Interest	Interest	
	Sales	Rate	Revenue	Fuel	Collections	Rate	Weight	Expense / (Income)	
	Mcf	\$ / Mcf	\$	\$	\$	%		\$	
	(1)	(2)	(3 = 1 x 2)	(4)	(5 = 3 - 4)	(6)	(7)	(8 = 5 x 6 x 7)	
April	Commodity	<u>2,476,675</u> 2,476,675	2.7643	<u>6,846,273</u> 6,846,273	4,809,293	2,036,980	8.50%	10 / 12	144,286
May	Commodity	<u>1,279,705</u> 1,279,705	2.7643	<u>3,537,489</u> 3,537,489	2,824,184	713,305	8.50%	9 / 12	45,473
June	Commodity	<u>647,700</u> 647,700	2.7643	<u>1,790,438</u> 1,790,438	738,087	1,052,351	8.50%	8 / 12	59,633
July	Commodity	<u>403,521</u> 403,521	2.7643	<u>1,115,453</u> 1,115,453	797,919	317,534	8.50%	7 / 12	15,744
	Total	18,649,329		59,119,170	55,786,133	3,333,037			334,266

PGC Exhibit 21
Schedule 6
Sheet 3
COMMODITY

NATIONAL FUEL GAS DISTRIBUTION CORPORATION
Pennsylvania Division
Reconciliation of Interest on Over / (Under) Collections
Twelve Months Ended July 2023

	<u>Amount</u> \$
Estimated Overcollection of gas cost for the twelve month period August 2022 through July 2023 calculated in PGC 2023 (Schedule 7, Sheets 2 - 4)	28,554,038
Net Interest Expense (Income) to be refunded (Schedule 7, Sheets 2 - 4)	<u>1,337,353</u>
Total Estimate For the Twelve Months Ended July 2023	<u>29,891,391</u>
Actual Overcollection of gas cost for the twelve month period August 2022 through July 2023 (Schedule 7, Sheets 5 - 7)	28,554,038
Net Interest Expense (Income) to be refunded (Schedule 7, Pages 5 - 7)	<u>1,337,353</u>
Total Actual For the Twelve Months Ended July 2023	<u>29,891,391</u>
Amount to be Refunded	<u><u>0</u></u>

**NATIONAL FUEL GAS DISTRIBUTION CORPORATION
PENNSYLVANIA DIVISION
STATEMENT OF TOTAL OVER / (UNDER) COLLECTIONS
TWELVE MONTHS ENDED JULY 2023 (ESTIMATE)**

COMMODITY

	<u>Sales</u> Mcf (1)	<u>PGC</u> <u>Rate</u> \$ / Mcf (2)	<u>PGC</u> <u>Revenue</u> \$ (3 = 1 x 2)	<u>Cost of</u> <u>Fuel</u> \$ (4)	<u>Over / (Under)</u> <u>Collections</u> \$ (5 = 3 - 4)	<u>Interest</u> <u>Rate</u> % (6)	<u>Interest</u> <u>Weight</u> (7)	<u>Interest</u> <u>Expense / (Income)</u> \$ (8 = 5 x 6 x 7)
August (2022)								
Commodity			1,935,676					
Storage Inventory Recovery			21,732					
Reimbursement of NFGSC Transfer Fee			31					
Market Rate Differential			43,497					
City Gate Imbalance			0					
Sales Cashout			57,827					
OFO Penalty			0					
			<u>2,058,763</u>	6,432,635	(4,373,871)	7.00%	18 / 12	(459,256)
September								
Commodity			2,459,303					
Storage Inventory Recovery			17,523					
Reimbursement of NFGSC Transfer Fee			31					
Market Rate Differential			(4,051)					
City Gate Imbalance			18					
Sales Cashout			149,258					
OFO Penalty			0					
			<u>2,622,082</u>	4,733,652	(2,111,570)	7.00%	17 / 12	(209,397)
October								
Commodity			6,110,788					
Storage Inventory Recovery			21,957					
Reimbursement of NFGSC Transfer Fee			23					
Market Rate Differential			0					
City Gate Imbalance			1,289					
Sales Cashout			9,067					
OFO Penalty			0					
			<u>6,143,124</u>	3,850,504	2,292,620	7.00%	16 / 12	213,978
November								
Commodity			9,077,900					
Storage Inventory Recovery			29,541					
Reimbursement of NFGSC Transfer Fee			27					
Market Rate Differential			0					
City Gate Imbalance			75					
Sales Cashout			37,508					
OFO Penalty			0					
			<u>9,145,051</u>	13,411,977	(4,266,926)	7.00%	15 / 12	(373,356)

**NATIONAL FUEL GAS DISTRIBUTION CORPORATION
PENNSYLVANIA DIVISION
STATEMENT OF TOTAL OVER / (UNDER) COLLECTIONS
TWELVE MONTHS ENDED JULY 2023 (ESTIMATE)**

COMMODITY

	<u>Sales</u> Mcf (1)	<u>PGC</u> <u>Rate</u> \$ / Mcf (2)	<u>PGC</u> <u>Revenue</u> \$ (3 = 1 x 2)	<u>Cost of</u> <u>Fuel</u> \$ (4)	<u>Over / (Under)</u> <u>Collections</u> \$ (5 = 3 - 4)	<u>Interest</u> <u>Rate</u> % (6)	<u>Interest</u> <u>Weight</u> (7)	<u>Interest</u> <u>Expense / (Income)</u> \$ (8 = 5 x 6 x 7)
December								
Commodity			17,951,330					
Storage Inventory Recovery			20,503					
Reimbursement of NFGSC Transfer Fee			27					
Market Rate Differential			0					
City Gate Imbalance			825					
Sales Cashout			39,134					
OFO Penalty			0					
			18,011,820	22,235,283	(4,223,463)	7.00%	14 / 12	(344,916)
January (2023)								
Commodity			21,453,392					
Storage Inventory Recovery			9,676					
Reimbursement of NFGSC Transfer Fee			31					
Market Rate Differential			0					
City Gate Imbalance			15,317					
Sales Cashout			143,801					
OFO Penalty			189,369					
			21,811,586	13,412,145	8,399,442	7.00%	13 / 12	636,958
February								
Commodity			18,128,152					
Storage Inventory Recovery			3,188					
Reimbursement of NFGSC Transfer Fee			27					
Market Rate Differential			0					
City Gate Imbalance			3,066					
Sales Cashout			2,566					
OFO Penalty			2,823					
			18,139,821	13,030,487	5,109,335	7.00%	12 / 12	357,653
March								
Commodity			14,484,155					
Storage Inventory Recovery			0					
Reimbursement of NFGSC Transfer Fee			0					
Market Rate Differential			0					
City Gate Imbalance			3,835					
Sales Cashout			2,267					
OFO Penalty			0					
			14,490,256	10,817,974	3,672,283	7.00%	11 / 12	235,638

**NATIONAL FUEL GAS DISTRIBUTION CORPORATION
PENNSYLVANIA DIVISION
STATEMENT OF TOTAL OVER / (UNDER) COLLECTIONS
TWELVE MONTHS ENDED JULY 2023 (ESTIMATE)**

COMMODITY

	<u>Sales</u>	<u>PGC</u>	<u>PGC</u>	<u>Cost of</u>	<u>Over / (Under)</u>	<u>Interest</u>	<u>Interest</u>	<u>Interest</u>
	<u>Mcf</u>	<u>Rate</u>	<u>Revenue</u>	<u>Fuel</u>	<u>Collections</u>	<u>Rate</u>	<u>Weight</u>	<u>Expense / (Income)</u>
	(1)	\$ / Mcf	\$	\$	\$	%	(7)	\$
			(3 = 1 x 2)	(4)	(5 = 3 - 4)	(6)		(8 = 5 x 6 x 7)
April								
			10,910,726					
			0					
			0					
			0					
			40,959					
			62,630					
			0					
			11,014,315	(87,508)	11,101,823	7.00%	10 / 12	647,606
May								
			6,578,205					
			4,543					
			39					
			0					
			1,146					
			23,127					
			0					
			6,607,059	(571,723)	7,178,782	7.00%	9 / 12	376,886
June								
			2,332,126					
			2,388					
			27					
			0					
			134					
			76					
			0					
			2,334,751	(1,046,394)	3,381,144	7.00%	8 / 12	157,787
July								
			1,157,786					
			5,492					
			23					
			0					
			22					
			0					
			0					
			1,163,324	(1,231,116)	2,394,440	7.00%	7 / 12	97,773
Total			113,541,953	84,987,915	28,554,038			1,337,353

**NATIONAL FUEL GAS DISTRIBUTION CORPORATION
PENNSYLVANIA DIVISION
STATEMENT OF TOTAL OVER / (UNDER) COLLECTIONS
TWELVE MONTHS ENDED JULY 2023 (ACTUAL)**

COMMODITY

	<u>Sales</u> Mcf (1)	<u>PGC</u> <u>Rate</u> \$ / Mcf (2)	<u>PGC</u> <u>Revenue</u> \$ (3 = 1 x 2)	<u>Cost of</u> <u>Fuel</u> \$ (4)	<u>Over / (Under)</u> <u>Collections</u> \$ (5 = 3 - 4)	<u>Interest</u> <u>Rate</u> % (6)	<u>Interest</u> <u>Weight</u> (7)	<u>Interest</u> <u>Expense / (Income)</u> \$ (8 = 5 x 6 x 7)
August (2022)								
Commodity			1,935,676					
Storage Inventory Recovery			21,732					
Reimbursement of NFGSC Transfer Fee			31					
Market Rate Differential			43,497					
City Gate Imbalance			0					
Sales Cashout			57,827					
OFO Penalty			0					
			2,058,763	6,432,635	(4,373,871)	7.00%	18 / 12	(459,256)
September								
Commodity			2,459,303					
Storage Inventory Recovery			17,523					
Reimbursement of NFGSC Transfer Fee			31					
Market Rate Differential			(4,051)					
City Gate Imbalance			18					
Sales Cashout			149,258					
OFO Penalty			0					
			2,622,082	4,733,652	(2,111,570)	7.00%	17 / 12	(209,397)
October								
Commodity			6,110,788					
Storage Inventory Recovery			21,957					
Reimbursement of NFGSC Transfer Fee			23					
Market Rate Differential			0					
City Gate Imbalance			1,289					
Sales Cashout			9,067					
OFO Penalty			0					
			6,143,124	3,850,504	2,292,620	7.00%	16 / 12	213,978
November								
Commodity			9,077,900					
Storage Inventory Recovery			29,541					
Reimbursement of NFGSC Transfer Fee			27					
Market Rate Differential			0					
City Gate Imbalance			75					
Sales Cashout			37,508					
OFO Penalty			0					
			9,145,051	13,411,977	(4,266,926)	7.00%	15 / 12	(373,356)

**NATIONAL FUEL GAS DISTRIBUTION CORPORATION
PENNSYLVANIA DIVISION
STATEMENT OF TOTAL OVER / (UNDER) COLLECTIONS
TWELVE MONTHS ENDED JULY 2023 (ACTUAL)**

COMMODITY

	<u>Sales</u> Mcf (1)	<u>PGC</u> <u>Rate</u> \$ / Mcf (2)	<u>PGC</u> <u>Revenue</u> \$ (3 = 1 x 2)	<u>Cost of</u> <u>Fuel</u> \$ (4)	<u>Over / (Under)</u> <u>Collections</u> \$ (5 = 3 - 4)	<u>Interest</u> <u>Rate</u> % (6)	<u>Interest</u> <u>Weight</u> (7)	<u>Interest</u> <u>Expense / (Income)</u> \$ (8 = 5 x 6 x 7)
December								
Commodity			17,951,330					
Storage Inventory Recovery			20,503					
Reimbursement of NFGSC Transfer Fee			27					
Market Rate Differential			0					
City Gate Imbalance			825					
Sales Cashout			39,134					
OFO Penalty			0					
			18,011,820	22,235,283	(4,223,463)	7.00%	14 / 12	(344,916)
January (2023)								
Commodity			21,453,392					
Storage Inventory Recovery			9,676					
Reimbursement of NFGSC Transfer Fee			31					
Market Rate Differential			0					
City Gate Imbalance			15,317					
Sales Cashout			143,801					
OFO Penalty			189,369					
			21,811,586	13,412,144	8,399,442	7.00%	13 / 12	636,958
February								
Commodity			18,128,152					
Storage Inventory Recovery			3,188					
Reimbursement of NFGSC Transfer Fee			27					
Market Rate Differential			0					
City Gate Imbalance			3,066					
Sales Cashout			2,566					
OFO Penalty			2,823					
			18,139,821	13,030,487	5,109,335	7.00%	12 / 12	357,653
March								
Commodity			14,484,155					
Storage Inventory Recovery			0					
Reimbursement of NFGSC Transfer Fee			0					
Market Rate Differential			0					
City Gate Imbalance			3,835					
Sales Cashout			2,267					
OFO Penalty			0					
			14,490,256	10,817,974	3,672,283	7.00%	11 / 12	235,638

**NATIONAL FUEL GAS DISTRIBUTION CORPORATION
PENNSYLVANIA DIVISION
STATEMENT OF TOTAL OVER / (UNDER) COLLECTIONS
TWELVE MONTHS ENDED JULY 2023 (ACTUAL)**

COMMODITY

	<u>Sales</u> Mcf (1)	<u>PGC</u> <u>Rate</u> \$ / Mcf (2)	<u>PGC</u> <u>Revenue</u> \$ (3 = 1 x 2)	<u>Cost of</u> <u>Fuel</u> \$ (4)	<u>Over / (Under)</u> <u>Collections</u> \$ (5 = 3 - 4)	<u>Interest</u> <u>Rate</u> % (6)	<u>Interest</u> <u>Weight</u> (7)	<u>Interest</u> <u>Expense / (Income)</u> \$ (8 = 5 x 6 x 7)
April								
Commodity			10,910,726					
Storage Inventory Recovery			0					
Reimbursement of NFGSC Transfer Fee			0					
Market Rate Differential			0					
City Gate Imbalance			40,959					
Sales Cashout			62,630					
OFO Penalty			0					
			11,014,315	(87,508)	11,101,823	7.00%	10 / 12	647,606
May								
Commodity			6,578,205					
Storage Inventory Recovery			4,543					
Reimbursement of NFGSC Transfer Fee			39					
Market Rate Differential			0					
City Gate Imbalance			1,146					
Sales Cashout			23,127					
OFO Penalty			0					
			6,607,059	(571,723)	7,178,782	7.00%	9 / 12	376,886
June								
Commodity			2,332,126					
Storage Inventory Recovery			2,388					
Reimbursement of NFGSC Transfer Fee			27					
Market Rate Differential			0					
City Gate Imbalance			134					
Sales Cashout			76					
OFO Penalty			0					
			2,334,751	(1,046,394)	3,381,144	7.00%	8 / 12	157,787
July								
Commodity			1,157,786					
Storage Inventory Recovery			5,492					
Reimbursement of NFGSC Transfer Fee			23					
Market Rate Differential			0					
City Gate Imbalance			22					
Sales cashout			0					
OFO Penalty			0					
			1,163,324	(1,231,116)	2,394,440	7.00%	7 / 12	97,773
Total			113,541,953	84,987,915	28,554,038			1,337,353

NATIONAL FUEL GAS DISTRIBUTION CORPORATION
Pennsylvania Division
Reconciliation of Interest on Over / (Under) Collections
Twelve Months Ended July 2023

	<u>Amount</u>
	\$
Estimated Undercollection of gas cost for the twelve month period August 2022 through July 2023 calculated in PGC-2023 (Schedule 7, Sheets 2 - 4)	(2,010,280)
Net Interest Expense (Income) to be collected (Schedule 7, Sheets 2 - 4)	<u>(201,909)</u>
Total Estimate For the Twelve Months Ended July 2023	<u>(2,212,190)</u>
Actual Undercollection of gas cost for the twelve month period August 2022 through July 2023 (Schedule 7, Sheets 5 - 7)	(2,010,280)
Net Interest Expense (Income) to be collected (Schedule 7, Sheets 5 - 7)	<u>(201,909)</u>
Total Actual For the Twelve Months Ended July 2023	<u>(2,212,190)</u>
Amount to be Refunded	<u><u>0</u></u>

**NATIONAL FUEL GAS DISTRIBUTION CORPORATION
PENNSYLVANIA DIVISION
STATEMENT OF TOTAL OVER / (UNDER) COLLECTIONS
TWELVE MONTHS ENDED JULY 2023 (ESTIMATE)**

DEMAND - NGS

	<u>Sales</u> Mcf (1)	<u>PGC</u> <u>Rate</u> \$ / Mcf (2)	<u>PGC</u> <u>Revenue</u> \$ (3 = 1 x 2)	<u>Cost of</u> <u>Fuel</u> \$ (4)	<u>Over / (Under)</u> <u>Collections</u> \$ (5 = 3 - 4)	<u>Interest</u> <u>Rate</u> % (6)	<u>Interest</u> <u>Weight</u> (7)	<u>Interest</u> <u>Expense / (Income)</u> \$ (8 = 5 x 6 x 7)
August (2022)								
Demand			414,163					
Standby / Priority			20,960					
Standby Overruns			22,209					
NGV - Demand			8,727					
LBS - Demand			1,287					
Overdelivery / Upstream Cap. Surcharge			<u>71,844</u>					
			539,190	217,696	321,495	7.00%	18 / 12	33,757
September								
Demand			456,168					
Standby / Priority			23,647					
Standby Overruns			8,731					
NGV - Demand			8,632					
LBS - Demand			1,273					
Overdelivery / Upstream Cap. Surcharge			<u>62,807</u>					
			561,259	225,640	335,618	7.00%	17 / 12	33,282
October								
Demand			1,162,235					
Standby / Priority			34,061					
Standby Overruns			(14,062)					
NGV - Demand			8,857					
LBS - Demand			1,273					
Overdelivery / Upstream Cap. Surcharge			<u>66,709</u>					
			1,259,074	893,340	365,733	7.00%	16 / 12	34,135
November								
Demand			1,786,883					
Standby / Priority			71,212					
Standby Overruns			(2,320)					
NGV - Demand			8,792					
LBS - Demand			1,273					
Overdelivery / Upstream Cap. Surcharge			<u>77,873</u>					
			1,943,713	4,498,924	(2,555,211)	7.00%	15 / 12	(223,581)

**NATIONAL FUEL GAS DISTRIBUTION CORPORATION
PENNSYLVANIA DIVISION
STATEMENT OF TOTAL OVER / (UNDER) COLLECTIONS
TWELVE MONTHS ENDED JULY 2023 (ESTIMATE)**

DEMAND - NGS

	<u>Sales</u>	<u>PGC</u>	<u>PGC</u>	<u>Cost of</u>	<u>Over / (Under)</u>	<u>Interest</u>	<u>Interest</u>	<u>Interest</u>
	Mcf	Rate	Revenue	Fuel	Collections	Rate	Weight	Expense / (Income)
	(1)	\$ / Mcf	\$	\$	\$	%	(7)	\$
			(3 = 1 x 2)	(4)	(5 = 3 - 4)	(6)		(8 = 5 x 6 x 7)
December								
Demand			3,682,694					
Standby / Priority			93,941					
Standby Overruns			6,333					
NGV - Demand			8,920					
LBS - Demand			1,276					
Overdelivery / Upstream Cap. Surcharge			105,795					
			3,898,961	4,282,666	(383,705)	7.00%	14 / 12	(31,336)
January (2023)								
			4,395,497					
Standby/Priority			120,318					
Standby Overruns			21,397					
NGV - Demand			8,984					
LBS - Demand			1,276					
Overdelivery/Upstream Cap. Surcharge			100,892					
			4,648,365	5,238,985	(590,621)	7.00%	13 / 12	(44,789)
February								
Natural Gas Supply Charge			4,164,605					
Standby / Priority			115,662					
Standby Overruns			92					
NGV - Demand			8,631					
LBS - Demand			1,276					
Overdelivery / Upstream Cap. Surcharge			114,083					
			4,404,350	5,516,509	(1,112,159)	7.00%	12 / 12	(77,851)
March								
Natural Gas Supply Charge			3,844,032					
Standby / Priority			104,070					
Standby Overruns			612					
NGV - Demand			7,990					
LBS - Demand			0					
Overdelivery / Upstream Cap. Surcharge			95,789					
			4,052,493	5,904,306	(1,851,813)	7.00%	11 / 12	(118,825)

**NATIONAL FUEL GAS DISTRIBUTION CORPORATION
PENNSYLVANIA DIVISION
STATEMENT OF TOTAL OVER / (UNDER) COLLECTIONS
TWELVE MONTHS ENDED JULY 2023 (ESTIMATE)**

DEMAND - NGS

	<u>Sales</u> Mcf (1)	<u>PGC</u> <u>Rate</u> \$ / Mcf (2)	<u>PGC</u> <u>Revenue</u> \$ (3 = 1 x 2)	<u>Cost of</u> <u>Fuel</u> \$ (4)	<u>Over / (Under)</u> <u>Collections</u> \$ (5 = 3 - 4)	<u>Interest</u> <u>Rate</u> % (6)	<u>Interest</u> <u>Weight</u> (7)	<u>Interest</u> <u>Expense / (Income)</u> \$ (8 = 5 x 6 x 7)
April								
Natural Gas Supply Charge			2,888,480					
Standby / Priority			104,371					
Standby Overruns			487					
NGV - Demand			8,152					
LBS - Demand			0					
Overdelivery / Upstream Cap. Surcharge			<u>92,928</u>					
			3,094,418	1,154,713	1,939,706	7.00%	10 / 12	113,149
May								
Natural Gas Supply Charge			1,873,208					
Standby / Priority			68,746					
Standby Overruns			2,217					
NGV - Demand			7,242					
LBS - Demand			0					
Overdelivery / Upstream Cap. Surcharge			<u>114,990</u>					
			2,066,401	605,960	1,460,442	7.00%	9 / 12	76,673
June								
Natural Gas Supply Charge			739,659					
Standby / Priority			46,027					
Standby Overruns			73					
NGV - Demand			7,486					
LBS - Demand			0					
Overdelivery / Upstream Cap. Surcharge			<u>101,415</u>					
			894,661	720,581	174,079	7.00%	8 / 12	8,124
July								
Natural Gas Supply Charge			354,790					
Standby / Priority			27,438					
Standby Overruns			71					
NGV - Demand			7,202					
LBS - Demand			0					
Overdelivery / Upstream Cap. Surcharge			<u>95,992</u>					
			485,493	599,338	(113,845)	7.00%	7 / 12	(4,649)
Total			27,848,378	29,858,658	(2,010,280)			(201,909)

**NATIONAL FUEL GAS DISTRIBUTION CORPORATION
PENNSYLVANIA DIVISION
STATEMENT OF TOTAL OVER / (UNDER) COLLECTIONS
TWELVE MONTHS ENDED JULY 2023 (ACTUAL)**

DEMAND - NGS

	<u>Sales</u> Mcf (1)	<u>PGC</u> <u>Rate</u> \$ / Mcf (2)	<u>PGC</u> <u>Revenue</u> \$ (3 = 1 x 2)	<u>Cost of</u> <u>Fuel</u> \$ (4)	<u>Over / (Under)</u> <u>Collections</u> \$ (5 = 3 - 4)	<u>Interest</u> <u>Rate</u> % (6)	<u>Interest</u> <u>Weight</u> (7)	<u>Interest</u> <u>Expense / (Income)</u> \$ (8 = 5 x 6 x 7)
August (2022)								
Natural Gas Supply Charge			414,163					
Standby / Priority			20,960					
Standby Overruns			22,209					
NGV - Demand			8,727					
LBS - Demand			1,287					
Overdelivery / Upstream Cap. Surcharge			71,844					
			539,190	217,696	321,495	7.00%	18 / 12	33,757
September								
Natural Gas Supply Charge			456,168					
Standby / Priority			23,647					
Standby Overruns			8,731					
NGV - Demand			8,632					
LBS - Demand			1,273					
Overdelivery / Upstream Cap. Surcharge			62,807					
			561,259	225,640	335,618	7.00%	17 / 12	33,282
October								
Natural Gas Supply Charge			1,162,235					
Standby / Priority			34,061					
Standby Overruns			(14,062)					
NGV - Demand			8,857					
LBS - Demand			1,273					
Overdelivery / Upstream Cap. Surcharge			66,709					
			1,259,074	893,340	365,733	7.00%	16 / 12	34,135
November								
Natural Gas Supply Charge			1,786,883					
Standby / Priority			71,212					
Standby Overruns			(2,320)					
NGV - Demand			8,792					
LBS - Demand			1,273					
Overdelivery / Upstream Cap. Surcharge			77,873					
			1,943,713	4,498,924	(2,555,211)	7.00%	15 / 12	(223,581)

**NATIONAL FUEL GAS DISTRIBUTION CORPORATION
PENNSYLVANIA DIVISION
STATEMENT OF TOTAL OVER / (UNDER) COLLECTIONS
TWELVE MONTHS ENDED JULY 2023 (ACTUAL)**

DEMAND - NGS

	<u>Sales</u>	<u>PGC</u>	<u>PGC</u>	<u>Cost of</u>	<u>Over / (Under)</u>	<u>Interest</u>	<u>Interest</u>	<u>Interest</u>
	Mcf	Rate	Revenue	Fuel	Collections	Rate	Weight	Expense / (Income)
	(1)	\$ / Mcf	\$	\$	\$	%	(7)	\$
			(3 = 1 x 2)	(4)	(5 = 3 - 4)	(6)		(8 = 5 x 6 x 7)
December								
Natural Gas Supply Charge			3,682,694					
Standby / Priority			93,941					
Standby Overruns			6,333					
NGV - Demand			8,920					
LBS - Demand			1,276					
Overdelivery / Upstream Cap. Surcharge			105,795					
			3,898,961	4,282,666	(383,705)	7.00%	14 / 12	(31,336)
January (2023)								
Natural Gas Supply Charge			4,395,497					
Standby / Priority			120,318					
Standby Overruns			21,397					
NGV - Demand			8,984					
LBS - Demand			1,276					
Overdelivery / Upstream Cap. Surcharge			100,892					
			4,648,365	5,238,986	(590,621)	7.00%	13 / 12	(44,789)
February								
Natural Gas Supply Charge			4,164,605					
Standby / Priority			115,662					
Standby Overruns			92					
NGV - Demand			8,631					
LBS - Demand			1,276					
Overdelivery / Upstream Cap. Surcharge			114,083					
			4,404,350	5,516,508	(1,112,159)	7.00%	12 / 12	(77,851)
March								
Natural Gas Supply Charge			3,844,032					
Standby / Priority			104,070					
Standby Overruns			612					
NGV - Demand			7,990					
LBS - Demand			0					
Overdelivery / Upstream Cap. Surcharge			95,789					
			4,052,493	5,904,306	(1,851,813)	7.00%	11 / 12	(118,825)

**NATIONAL FUEL GAS DISTRIBUTION CORPORATION
PENNSYLVANIA DIVISION
STATEMENT OF TOTAL OVER / (UNDER) COLLECTIONS
TWELVE MONTHS ENDED JULY 2023 (ACTUAL)**

DEMAND - NGS

	<u>Sales</u> Mcf (1)	<u>PGC Rate</u> \$ / Mcf (2)	<u>PGC Revenue</u> \$ (3 = 1 x 2)	<u>Cost of Fuel</u> \$ (4)	<u>Over / (Under) Collections</u> \$ (5 = 3 - 4)	<u>Interest Rate</u> % (6)	<u>Interest Weight</u> (7)	<u>Interest Expense / (Income)</u> \$ (8 = 5 x 6 x 7)
April								
Natural Gas Supply Charge			2,888,480					
Standby / Priority			104,371					
Standby Overruns			487					
NGV - Demand			8,152					
LBS - Demand			0					
Overdelivery / Upstream Cap. Surcharge			<u>92,928</u>					
			3,094,418	1,154,712	1,939,706	7.00%	10 / 12	113,150
May								
Natural Gas Supply Charge			1,873,208					
Standby / Priority			68,746					
Standby Overruns			2,217					
NGV - Demand			7,242					
LBS - Demand			0					
Overdelivery / Upstream Cap. Surcharge			<u>114,990</u>					
			2,066,401	605,960	1,460,441	7.00%	9 / 12	76,673
June								
Natural Gas Supply Charge			739,659					
Standby / Priority			46,027					
Standby Overruns			73					
NGV - Demand			7,486					
LBS - Demand			0					
Overdelivery / Upstream Cap. Surcharge			<u>101,415</u>					
			894,661	720,582	174,079	7.00%	8 / 12	8,124
July								
Natural Gas Supply Charge			354,790					
Standby / Priority			27,438					
Standby Overruns			71					
NGV - Demand			7,202					
LBS - Demand			0					
Overdelivery / Upstream Cap. Surcharge			<u>95,992</u>					
			485,493	599,338	(113,845)	7.00%	7 / 12	(4,649)
Total			27,848,378	29,858,658	(2,010,280)			(201,909)

NATIONAL FUEL GAS DISTRIBUTION CORPORATION
Pennsylvania Division
Reconciliation of Interest on Over / (Under) Collections
Twelve Months Ended July 2023

	<u>Amount</u>
	\$
Estimated Undercollection of gas cost for the twelve month period August 2022 through July 2023 calculated in PGC 2023 (Schedule 7, Sheets 2 - 3)	(572,739)
Net Interest Expense (Income) to be refunded (Schedule 7, Sheets 2 - 3)	<u>(46,610)</u>
Total Estimate For the Twelve Months Ended July 2023	<u>(619,349)</u>
Actual Undercollection of gas cost for the twelve month period August 2022 through July 2023 (Schedule 7, Sheets 4 - 5)	(572,739)
Net Interest Expense (Income) to be refunded (Schedule 7, Sheets 4 - 5)	<u>(46,610)</u>
Total Actual For the Twelve Months Ended July 2023	<u>(619,349)</u>
Amount to be Refunded	<u><u>0</u></u>

**NATIONAL FUEL GAS DISTRIBUTION CORPORATION
PENNSYLVANIA DIVISION
STATEMENT OF TOTAL OVER / (UNDER) COLLECTIONS
TWELVE MONTHS ENDED JULY 2023 (ESTIMATE)**

DEMAND - DC

	<u>Sales</u> Mcf (1)	<u>PGC</u> <u>Rate</u> \$ / Mcf (2)	<u>PGC</u> <u>Revenue</u> \$ (3 = 1 x 2)	<u>Cost of</u> <u>Fuel</u> \$ (4)	<u>Over / (Under)</u> <u>Collections</u> \$ (5 = 3 - 4)	<u>Interest</u> <u>Rate</u> % (6)	<u>Interest</u> <u>Weight</u> (7)	<u>Interest</u> <u>Expense / (Income)</u> \$ (8 = 5 x 6 x 7)
August (2022)								
Distribution Charge			90,744					
SATC			8,801					
			99,545	540,536	(440,991)	7.00%	18 / 12	(46,304)
September								
Distribution Charge			101,380					
SATC			10,190					
			111,570	540,536	(428,966)	7.00%	17 / 12	(42,539)
October								
Distribution Charge			257,959					
SATC			26,328					
			284,287	540,536	(256,249)	7.00%	16 / 12	(23,917)
November								
Distribution Charge			397,108					
SATC			38,791					
			435,899	541,585	(105,686)	7.00%	15 / 12	(9,248)
December								
Distribution Charge			820,129					
SATC			81,113					
			901,242	582,040	319,202	7.00%	14 / 12	26,068
January (2023)								
Distribution Charge			978,800					
SATC			96,252					
			1,075,051	582,040	493,011	7.00%	13 / 12	37,387

**NATIONAL FUEL GAS DISTRIBUTION CORPORATION
PENNSYLVANIA DIVISION
STATEMENT OF TOTAL OVER / (UNDER) COLLECTIONS
TWELVE MONTHS ENDED JULY 2023 (ACTUAL)**

DEMAND - DC

	<u>Sales</u> Mcf (1)	<u>PGC</u> <u>Rate</u> \$ / Mcf (2)	<u>PGC</u> <u>Revenue</u> \$ (3 = 1 x 2)	<u>Cost of</u> <u>Fuel</u> \$ (4)	<u>Over / (Under)</u> <u>Collections</u> \$ (5 = 3 - 4)	<u>Interest</u> <u>Rate</u> % (6)	<u>Interest</u> <u>Weight</u> (7)	<u>Interest</u> <u>Expense / (Income)</u> \$ (8 = 5 x 6 x 7)
August (2022)								
Distribution Charge			90,744					
SATC			8,801					
			99,545	540,536	(440,991)	7.00%	18 / 12	(46,304)
September								
Distribution Charge			101,380					
SATC			10,190					
			111,570	540,536	(428,966)	7.00%	17 / 12	(42,539)
October								
Distribution Charge			257,959					
SATC			26,328					
			284,287	540,536	(256,249)	7.00%	16 / 12	(23,917)
November								
Distribution Charge			397,108					
SATC			38,791					
			435,899	541,585	(105,686)	7.00%	15 / 12	(9,248)
December								
Distribution Charge			820,129					
SATC			81,113					
			901,242	582,040	319,202	7.00%	14 / 12	26,068
January (2023)								
Distribution Charge			978,800					
SATC			96,252					
			1,075,051	582,040	493,011	7.00%	13 / 12	37,387

NATIONAL FUEL GAS DISTRIBUTION CORPORATION
Pennsylvania Division

Calculation of Over / (Under) Collection Balances Included in the PGC 2024

<u>Description</u>	<u>Amount</u> (\$)	<u>Amount</u> (\$)
Reconciliation of over / (under) collection of gas cost for the twelve month period August 2021 through July 2022 originating in PGC 2022		
Estimated amount refunded / (recovered) during the period August 2022 through July 2023		(20,696,467)
Actual amount refunded / (recovered) during the period August 2022 through July 2023		
	<u>Refund / (Surcharge)</u>	
SALES		
August 2022	(145,800)	
September 2022	(354,494)	
October 2022	(860,235)	
November 2022	(1,395,182)	
December 2022	(3,058,624)	
January 2023	(3,663,863)	
February 2023	(3,417,774)	
March 2023	(3,100,828)	
April 2023	(2,333,751)	
May 2023	(1,494,982)	
June 2023	(585,295)	
July 2023	(285,641)	
	<u>(20,696,467)</u>	
(MMNGS & SATC)		
August 2022	0	
September 2022	0	
October 2022	0	
November 2022	0	
December 2022	0	
January 2023	0	
February 2023	0	
March 2023	0	
April 2023	0	
May 2023	0	
June 2023	0	
July 2023	<u>0</u>	
	0	<u>(20,696,467)</u>
		<u><u>0</u></u>

NATIONAL FUEL GAS DISTRIBUTION CORPORATION
Pennsylvania Division

Calculation of Over / (Under) Collection Balances Included in the PGC 2024

<u>Description</u>	<u>Amount</u> (\$)	<u>Amount</u> (\$)
Estimated balance of over / (under) collection of gas cost for the twelve month period August 2022 through July 2023 originating in PGC 2023		
Estimated over / (under) collections of gas cost for the twelve month period August 2022 through July 2023		26,585,113
Estimated amount refunded / (recovered) during the period August 2023 through July 2024		
SALES	<u>Rate</u>	<u>Mcf</u>
August 2023		93,654
September 2023		510,693
October 2023		796,181
November 2023		1,737,997
December 2023	1.2246	2,799,328
January - July 2024	1.2246	15,850,000
		<u>18,649,329</u>
(MMNGS & SATC)		
August 2023		0
September 2023		0
October 2023		0
November 2023		0
December 2023		0
January - July 2024		0
		<u>0</u>
		<u>25,976,493</u>
Amount to be Refunded		<u><u>608,620</u></u>

NATIONAL FUEL GAS DISTRIBUTION CORPORATION
Pennsylvania Division

Calculation of Over / (Under) Collection Balances Included in the PGC 2024

<u>Description</u>	<u>Amount</u> (\$)	<u>Amount</u> (\$)
Reconciliation of over / (under) collection of gas cost for the twelve month period August 2021 through July 2022 originating in PGC 2022		
Estimated amount refunded / (recovered) during the period August 2022 through July 2023		744,947
Actual amount refunded / (recovered) during the period August 2022 through July 2023		
	<u>Refund / (Surcharge)</u>	
SALES		
August 2022	(10,570)	
September 2022	16,646	
October 2022	37,884	
November 2022	55,987	
December 2022	109,550	
January 2023	131,661	
February 2023	122,795	
March 2023	110,925	
April 2023	83,493	
May 2023	54,027	
June 2023	20,963	
July 2023	9,943	
	<u>743,302</u>	
LBS & NGV		
August 2022	(680)	
September 2022	225	
October 2022	231	
November 2022	229	
December 2022	219	
January 2023	220	
February 2023	212	
March 2023	191	
April 2023	195	
May 2023	173	
June 2023	172	
July 2023	165	
	<u>1,552</u>	
(MMNGS & SATC)		
August 2022	(100)	
September 2022	33	
October 2022	33	
November 2022	33	
December 2022	31	
January 2023	31	
February 2023	31	
March 2023	0	
April 2023	0	
May 2023	0	
June 2023	0	
July 2023	0	
	<u>93</u>	<u>744,947</u>
		<u><u>0</u></u>

NATIONAL FUEL GAS DISTRIBUTION CORPORATION
Pennsylvania Division

Calculation of Over / (Under) Collection Balances Included in the PGC 2024

<u>Description</u>	<u>Amount</u> (\$)	<u>Amount</u> (\$)
Estimated balance of over / (under) collection of gas cost for the twelve month period August 2022 through July 2023 originating in PGC 2023		
Estimated over / (under) collection of gas cost for the twelve month period August 2022 through July 2023		(2,090,857)
Estimated amount refunded / (recovered) during the period August 2023 through July 2024		
	<u>Rate</u>	<u>Mcf</u>
		<u>Refund / (Surcharge)</u>
SALES		
August 2023		(7,032)
September 2023		(24,907)
October 2023		(39,043)
November 2023		(110,637)
December 2023	(0.0963)	2,799,328
January - July 2024	(0.0963)	15,850,000
		<u>18,649,329</u>
		<u>(1,977,550)</u>
LBS & NGV		
August 2023		163
September 2023		(293)
October 2023		(493)
November 2023		(47)
December 2023		0
January - July 2024		0
		<u>(671)</u>
(MMNGS & SATC)		
August 2023		0
September 2023		0
October 2023		0
November 2023		0
December 2023		0
January - July 2024		0
		<u>0</u>
		<u>(1,978,220)</u>
Amount to be Recovered		<u><u>(112,637)</u></u>

NATIONAL FUEL GAS DISTRIBUTION CORPORATION
Pennsylvania Division

Calculation of Over / (Under) Collection Balances Included in the PGC 2024

<u>Description</u>	<u>Amount</u> (\$)	<u>Amount</u> (\$)
Reconciliation of over / (under) collection of gas cost for the twelve month period August 2021 through July 2022 originating in PGC 2022		
Estimated amount refunded / (recovered) during the period August 2022 through July 2023		(482,931)
Actual amount refunded / (recovered) during the period August 2022 through July 2023		
SALES	<u>Refund / (Surcharge)</u>	
August 2022	(4,517)	
September 2022	(7,893)	
October 2022	(20,360)	
November 2022	(30,135)	
December 2022	(65,347)	
January 2023	(77,903)	
February 2023	(70,357)	
March 2023	(66,124)	
April 2023	(49,733)	
May 2023	(30,056)	
June 2023	(11,892)	
July 2023	(5,534)	
	<hr/>	
	(439,852)	
LBS & NGV		
August 2022	0	
September 2022	0	
October 2022	0	
November 2022	0	
December 2022	0	
January 2023	0	
February 2023	0	
March 2023	0	
April 2023	0	
May 2023	0	
June 2023	0	
July 2023	0	
	<hr/>	
	0	
SATC		
August 2022	(449)	
September 2022	(791)	
October 2022	(2,073)	
November 2022	(2,940)	
December 2022	(6,462)	
January 2023	(7,654)	
February 2023	(6,831)	
March 2023	(6,401)	
April 2023	(4,774)	
May 2023	(2,916)	
June 2023	(1,205)	
July 2023	(584)	
	<hr/>	
	(43,079)	
		<hr/>
		(482,931)
		<hr/>
		0
		<hr/> <hr/>

NATIONAL FUEL GAS DISTRIBUTION CORPORATION
Pennsylvania Division

Calculation of Over / (Under) Collection Balances Included in the PGC 2024

<u>Description</u>	<u>Amount</u> (\$)	<u>Amount</u> (\$)
Estimated balance of over / (under) collection of gas cost for the twelve month period August 2022 through July 2023 originating in PGC 2023		
Estimated over / (under) collections of gas cost for the twelve month period August 2022 through July 2023		(685,621)
Estimated amount refunded / (recovered) during the period August 2023 through July 2024		
SALES	<u>Rate</u>	<u>Mcf</u>
August 2023		<u>Refund / (Surcharge)</u> (6,715)
September 2023		(9,166)
October 2023		(15,531)
November 2023		(38,146)
December 2023	(0.0290)	2,799,328 (81,181)
January - July 2024	(0.0290)	15,850,000 (459,650)
		<u>18,649,329</u> (610,389)
LBS & NGV		
August 2023		0
September 2023		0
October 2023		0
November 2023		0
December 2023		0
January - July 2024		0
		<u>0</u>
SATC	<u>SATC Mcf</u>	
August 2023		(674)
September 2023		(904)
October 2023		(1,547)
November 2023		(3,651)
December 2023	(0.0290)	271,116 (7,862)
January - July 2024	(0.0290)	1,570,332 (45,540)
		<u>1,841,448</u> (60,178)
Amount to be Recovered		<u>(670,567)</u> (15,054)

NATIONAL FUEL GAS DISTRIBUTION CORPORATION
Pennsylvania Division

Calculation of Refund / (Surcharge) Balances Included in the PGC 2024

<u>Description</u>	<u>Amount</u> (\$)	<u>Amount</u> (\$)
Reconciliation of refund / (surcharge) established in PGC 2022		
Estimated amount refunded / (recovered) during the period August 2022 through July 2023		0
Actual amount refunded / (recovered) during the period August 2022 through July 2023		
	<u>Refund / (Surcharge)</u>	
SALES		
August 2022	0	
September 2022	0	
October 2022	0	
November 2022	0	
December 2022	0	
January 2023	0	
February 2023	0	
March 2023	0	
April 2023	0	
May 2023	0	
June 2023	0	
July 2023	0	
	<hr style="width: 100%; border: 0.5px solid black;"/>	
	0	
SATC		
August 2022	0	
September 2022	0	
October 2022	0	
November 2022	0	
December 2022	0	
January 2023	0	
February 2023	0	
March 2023	0	
April 2023	0	
May 2023	0	
June 2023	0	
July 2023	0	
	<hr style="width: 100%; border: 0.5px solid black;"/>	
	0	
		<hr style="width: 100%; border: 0.5px solid black;"/>
		0
		<hr style="width: 100%; border: 1px solid black;"/>
		0

NATIONAL FUEL GAS DISTRIBUTION CORPORATION
Pennsylvania Division

Calculation of Refund / (Surcharge) Balances Included in the PGC 2024

<u>Description</u>	<u>Amount</u>	<u>Amount</u>
	(\$)	(\$)
Reconciliation of refund / (surcharge) established in PGC 2023		
Estimated amount refunded / (recovered) during the period August 2023 through July 2024		118,690
Actual amount refunded / (recovered) during the period August 2023 through July 2024		
	<u>Rate</u>	<u>Mcf</u>
		<u>Refund / (Surcharge)</u>
SALES		
August 2023		5,256
September 2023		1,224
October 2023		2,781
November 2023		7,222
December 2023	0.0055	2,799,328
January - July 2024	0.0055	15,850,000
		<u>18,649,329</u>
		<u>119,053</u>
LBS & NGV		
August 2023		0
September 2023		0
October 2023		0
November 2023		0
December 2023		0
January - July 2024		0
		<u>0</u>
		0
SATC		
	<u>MMNGS Mcf</u>	<u>SATC Mcf</u>
August 2023		0
September 2023		0
October 2023		0
November 2023		0
December 2023		0
January - July 2024		0
		<u>0</u>
		0
		<u>119,053</u>
Amount to be Recovered		<u><u>(363)</u></u>

NATIONAL FUEL GAS DISTRIBUTION CORPORATION
Pennsylvania Division

Calculation of Refund or Surcharge Balances Included in the PGC 2024

<u>Description</u>	<u>Amount</u> (\$)	<u>Amount</u> (\$)
Reconciliation of refund / (surcharge) established in PGC 2023		
Estimated amount refunded / (recovered) during the period August 2023 through July 2024		247,991
Actual amount refunded / (recovered) during the period August 2023 through July 2024		
SALES	<u>Rate</u>	<u>Mcf</u>
August 2023		<u>Refund / (Surcharge)</u>
September 2023		1,982
October 2023		4,287
November 2023		6,812
December 2023	0.0105	15,709
January - July 2024	0.0105	29,393
		<u>166,425</u>
		18,649,329
		<u>224,608</u>
LBS & NGV		
August 2023		0
September 2023		0
October 2023		0
November 2023		0
December 2023		0
January - July 2024		<u>0</u>
		0
		<u>224,608</u>
Amount to be Refunded		<u><u>23,382</u></u>

NATIONAL FUEL GAS DISTRIBUTION CORPORATION
Pennsylvania Division

Refunds From and Payments to Gas Suppliers

	<u>Refund From</u>	<u>Date Received</u>	<u>Refund Amount</u> \$	<u>INTEREST</u>			<u>Total Refund Plus Interest</u> \$
				<u>Rate</u>	<u>Weight</u>	<u>Amount</u> \$	
A.			0	0.00%	0 / 12	0	0
B.			0	0.00%	0 / 12	0	0
			<u>0</u>			<u>0</u>	<u>0</u>
	TOTAL		<u>0</u>			<u>0</u>	<u>0</u>

NATIONAL FUEL GAS DISTRIBUTION CORPORATION
Pennsylvania Division

Calculation of Reconciliation of Interest on Storage Injections / Withdrawals

<u>Description</u>	<u>Amount</u> (\$)
Reconciliation of interest expense / (income) due to / (from) customers for the twelve month period August 2021 through July 2022 originating in PGC 2022 (PGC 2023 - Rec. E-factor)	
Estimated amount passed back / (recovered) during the period August 2022 through July 2023 in E Factor	166,074
Actual amount passed back / (recovered) during the period August 2022 through July 2023 in E-Factor	

	<u>Refund / (Surcharge)</u>	
SALES		
August 2022	1,216	
September 2022	3,286	
October 2022	7,894	
November 2022	11,938	
December 2022	24,153	
January 2023	28,927	
February 2023	26,997	
March 2023	24,475	
April 2023	18,411	
May 2023	11,845	
June 2023	4,652	
July 2023	2,281	
	166,074	
SATC		
August 2022	0	
September 2022	0	
October 2022	0	
November 2022	0	
December 2022	0	
January 2023	0	
February 2023	0	
March 2023	0	
April 2023	0	
May 2023	0	
June 2023	0	
July 2023	0	
	0	
		166,074
		0

NATIONAL FUEL GAS DISTRIBUTION CORPORATION
Pennsylvania Division

Calculation of Reconciliation of Interest on Storage Injections / Withdrawals

<u>Description</u>	<u>Amount</u> (\$)
Estimated interest expense / (income) due to / (from) customers for the twelve month period August 2022 through July 2023 in C-Factor (PGC 2023 - C Factor)	16,142

Actual amount passed back / (recovered) during the period August 2022 through July 2023 in C Factor

	<u>Refund / (Surcharge)</u>	
SALES		
August 2022	2,088	
September 2022	(140)	
October 2022	(17)	
November 2022	4,400	
December 2022	20,256	
January 2023	24,117	
February 2023	4,466	
March 2023	(13,957)	
April 2023	(10,359)	
May 2023	(8,371)	
June 2023	(4,318)	
July 2023	(2,023)	
	<hr/>	
	16,142	
		<hr/>
		16,142
		<hr/>
		0
		<hr/> <hr/>

NATIONAL FUEL GAS DISTRIBUTION CORPORATION
Pennsylvania Division

Calculation of Reconciliation of Interest on Storage Injections / Withdrawals

<u>Description</u>	<u>Amount</u> (\$)
Estimated balance of interest expense / (income) due to / (from) customer for the twelve month period August 2022 through July 2023 originating in PGC 2023 (PGC 2024 - Rec. E-factor)	

Estimated interest expense / (income) due to / (from) customers for the twelve month period August 2022 through July 2023 in C/E Factor	(487,365)
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Estimated amount passed back / (recovered) during the period August 2023 through July 2024 in E Factor

	<u>Rate</u>	<u>Mcf</u>	<u>Refund / (Surcharge)</u>	
SALES				
August 2023			(3,051)	
September 2023			(9,169)	
October 2023			(14,396)	
November 2023			(31,819)	
December 2023	(0.0225)	2,799,328	(62,985)	
January - July 2024	(0.0225)	<u>15,850,000</u>	<u>(356,625)</u>	
		18,649,329	(478,045)	
SATC		<u>MMNGS Mcf</u>	<u>SATC Mcf</u>	
August 2023				
September 2023				
October 2023				
November 2023				
December 2023	(0.0225)	0	0	
January - July 2024	(0.0225)	<u>0</u>	<u>0</u>	
		0	0	<u>(478,045)</u>
Amount to be Recovered		in PGC 2024		<u><u>(9,320)</u></u>

NATIONAL FUEL GAS DISTRIBUTION CORPORATION
Pennsylvania Division

Calculation of Reconciliation of Interest on Storage Injections / Withdrawals

<u>Description</u>	<u>Amount</u> (\$)
Estimated interest expense / (income) due to / (from) customers for the twelve month period August 2023 through July 2024 in C-Factor (PGC 2024 - C factor)	(12,081)

Estimated amount passed back / (recovered) during the period August 2023 through July 2024 in C Factor

	<u>Rate</u>	<u>Mcf</u>	<u>Refund / (Surcharge)</u>	
SALES				
August 2023			(1,628)	
September 2023			(1,892)	
October 2023			(3,116)	
November 2023			(3,395)	
December 2023	(0.0007)	2,799,328	(1,960)	
January - July 2024	(0.0007)	15,850,000	(11,095)	
		<u>18,649,329</u>	<u>(23,085)</u>	<u>(23,085)</u>
Amount to be Refunded		in PGC 2024		<u><u>11,004</u></u>

**NATIONAL FUEL GAS DISTRIBUTION CORPORATION
PENNSYLVANIA DIVISION
STATEMENT OF TOTAL OVER / (UNDER) COLLECTIONS
TWELVE MONTHS ENDED NOVEMBER 2023**

DEMAND - NGS

	<u>PGC</u> <u>Revenue</u>	<u>Cost of</u> <u>Fuel</u>	<u>Over / (Under)</u> <u>Collections</u>
	\$	\$	\$
	(1)	(2)	(3 = 1 - 2)
December (2022)			
Demand	3,682,694		
Standby / Priority	93,941		
Standby Overruns	6,333		
NGV - Demand	8,920		
LBS - Demand	1,276		
Overdelivery / Upstream Cap. Surcharge	<u>105,795</u>		
	3,898,961	4,282,666	(383,705)
January (2023)			
Demand	4,395,497		
Standby / Priority	120,318		
Standby Overruns	21,397		
NGV - Demand	8,984		
LBS - Demand	1,276		
Overdelivery / Upstream Cap. Surcharge	<u>100,892</u>		
	4,648,365	5,238,985	(590,621)
February			
Demand	4,164,605		
Standby / Priority	115,662		
Standby Overruns	92		
NGV - Demand	8,631		
LBS - Demand	1,276		
Overdelivery / Upstream Cap. Surcharge	<u>114,083</u>		
	4,404,350	5,516,509	(1,112,159)
March			
Demand	3,844,032		
Standby / Priority	104,070		
Standby Overruns	612		
NGV - Demand	7,990		
LBS - Demand	0		
Overdelivery / Upstream Cap. Surcharge	<u>95,789</u>		
	4,052,493	5,904,306	(1,851,813)

PGC Exhibit 21A
Schedule 1
Sheet 1
DEMAND - NGS

**NATIONAL FUEL GAS DISTRIBUTION CORPORATION
PENNSYLVANIA DIVISION
STATEMENT OF TOTAL OVER / (UNDER) COLLECTIONS
TWELVE MONTHS ENDED NOVEMBER 2023**

DEMAND - NGS

	<u>PGC</u> <u>Revenue</u>	<u>Cost of</u> <u>Fuel</u>	<u>Over / (Under)</u> <u>Collections</u>
	\$	\$	\$
	(1)	(2)	(3 = 1 - 2)
April			
Demand	2,888,480		
Standby / Priority	104,371		
Standby Overruns	487		
NGV - Demand	8,152		
LBS - Demand	0		
Overdelivery / Upstream Cap. Surcharge	<u>92,928</u>		
	3,094,418	1,154,713	1,939,706
May			
Demand	1,873,208		
Standby / Priority	68,746		
Standby Overruns	2,217		
NGV - Demand	7,242		
LBS - Demand	0		
Overdelivery / Upstream Cap. Surcharge	<u>114,990</u>		
	2,066,401	605,960	1,460,442
June			
Demand	739,659		
Standby / Priority	46,027		
Standby Overruns	73		
NGV - Demand	7,486		
LBS - Demand	0		
Overdelivery / Upstream Cap. Surcharge	<u>101,415</u>		
	894,661	720,581	174,079
July			
Demand	354,790		
Standby / Priority	27,438		
Standby Overruns	71		
NGV - Demand	7,202		
LBS - Demand	0		
Overdelivery / Upstream Cap. Surcharge	<u>95,992</u>		
	485,493	599,338	(113,845)

PGC Exhibit 21A
Schedule 1
Sheet 2
DEMAND - NGS

**NATIONAL FUEL GAS DISTRIBUTION CORPORATION
PENNSYLVANIA DIVISION
STATEMENT OF TOTAL OVER / (UNDER) COLLECTIONS
TWELVE MONTHS ENDED NOVEMBER 2023**

DEMAND - NGS

	<u>PGC</u> <u>Revenue</u>	<u>Cost of</u> <u>Fuel</u>	<u>Over / (Under)</u> <u>Collections</u>
	\$	\$	\$
	(1)	(2)	(3 = 1 - 2)
August			
Demand	404,702		
Standby / Priority	24,216		
Standby Overruns	391		
NGV - Demand	7,121		
LBS - Demand	0		
Overdelivery / Upstream Cap. Surcharge	<u>88,622</u>		
	525,052	713,742	(188,691)
September			
Demand	488,557		
Standby / Priority	27,647		
Standby Overruns	684		
NGV - Demand	7,587		
LBS - Demand	0		
Overdelivery / Upstream Cap. Surcharge	<u>82,896</u>		
	607,370	303,844	303,526
October			
Demand	810,447		
Standby / Priority	33,313		
Standby Overruns	2		
NGV - Demand	12,759		
LBS - Demand	0		
Overdelivery / Upstream Cap. Surcharge	<u>83,388</u>		
	939,909	16,878	923,031
November			
Demand	2,215,172		
Standby / Priority	63,466		
Standby Overruns	8,269		
NGV - Demand	1,214		
LBS - Demand	0		
Overdelivery / Upstream Cap. Surcharge	<u>93,690</u>		
	2,381,811	4,839,367	(2,457,556)
Total	27,999,284	29,896,889	(1,897,605)

PGC Exhibit 21A
Schedule 1
Sheet 3
DEMAND - NGS

**NATIONAL FUEL GAS DISTRIBUTION CORPORATION
PENNSYLVANIA DIVISION
STATEMENT OF TOTAL OVER / (UNDER) COLLECTIONS
TWELVE MONTHS ENDED NOVEMBER 2023**

DEMAND - DC

	<u>PGC Revenue</u>	<u>Cost of Fuel</u>	<u>Over / (Under) Collections</u>
	\$	\$	\$
	(1)	(2)	(3 = 1 - 2)
December (2022)			
Distribution Charge	820,129		
SATC	<u>81,113</u>		
	901,242	582,040	319,202
January (2023)			
Distribution Charge	978,800		
SATC	<u>96,252</u>		
	1,075,051	582,040	493,011
February			
Distribution Charge	915,767		
SATC	<u>88,934</u>		
	1,004,701	582,040	422,661
March			
Distribution Charge	835,341		
SATC	<u>80,865</u>		
	916,206	582,040	334,166
April			
Distribution Charge	627,940		
SATC	<u>60,312</u>		
	688,252	582,040	106,212
May			
Distribution Charge	414,927		
SATC	<u>40,237</u>		
	455,164	582,040	(126,876)

**NATIONAL FUEL GAS DISTRIBUTION CORPORATION
PENNSYLVANIA DIVISION
STATEMENT OF TOTAL OVER / (UNDER) COLLECTIONS
TWELVE MONTHS ENDED NOVEMBER 2023**

DEMAND - DC

		<u>PGC Revenue</u>	<u>Cost of Fuel</u>	<u>Over / (Under) Collections</u>
		\$	\$	\$
		(1)	(2)	(3 = 1 - 2)
June				
	Distribution Charge	168,805		
	SATC	17,106		
		<u>185,912</u>	582,040	(396,128)
July				
	Distribution Charge	80,511		
	SATC	8,434		
		<u>88,945</u>	582,040	(493,095)
August				
	Distribution Charge	85,212		
	SATC	8,576		
		<u>93,788</u>	582,040	(488,252)
September				
	Distribution Charge	97,326		
	SATC	9,691		
		<u>107,017</u>	582,040	(475,023)
October				
	Distribution Charge	162,160		
	SATC	16,169		
		<u>178,329</u>	582,040	(403,711)
November				
	Distribution Charge	438,048		
	SATC	42,065		
		<u>480,113</u>	582,096	(101,983)
Total		6,174,719	6,984,536	(809,817)

PGC Exhibit 21A
Schedule 2
Sheet 2
DEMAND - DC

**NATIONAL FUEL GAS DISTRIBUTION CORPORATION
PENNSYLVANIA DIVISION
STATEMENT OF TOTAL OVER / (UNDER) COLLECTIONS
TWELVE MONTHS ENDED NOVEMBER 2023**

COMMODITY

	<u>PGC Revenue</u>	<u>Cost of Fuel</u>	<u>Over / (Under) Collections</u>
	\$	\$	\$
	(3 = 1 x 2)	(4)	(5 = 3 - 4)
December (2022)			
Commodity	17,951,330		
Storage Inventory Recovery	20,503		
Reimbursement of NFGSC Transfer Fee	27		
Market Rate Differential	0		
City Gate Imbalance	825		
Sales Cashout	39,134		
OFO Penalty	0		
	18,011,820	22,235,283	(4,223,463)
January (2023)			
Commodity	21,453,392		
Storage Inventory Recovery	9,676		
Reimbursement of NFGSC Transfer Fee	31		
Market Rate Differential	0		
City Gate Imbalance	15,317		
Sales Cashout	143,801		
OFO Penalty	189,369		
	21,811,586	13,412,145	8,399,442
February			
Commodity	18,128,152		
Storage Inventory Recovery	3,188		
Reimbursement of NFGSC Transfer Fee	27		
Market Rate Differential	0		
City Gate Imbalance	3,066		
Sales Cashout	2,566		
OFO Penalty	2,823		
	18,139,821	13,030,487	5,109,335
March			
Commodity	14,484,155		
Storage Inventory Recovery	0		
Reimbursement of NFGSC Transfer Fee	0		
Market Rate Differential	0		
City Gate Imbalance	3,835		
Sales Cashout	2,267		
OFO Penalty	0		
	14,490,256	10,817,974	3,672,283

**NATIONAL FUEL GAS DISTRIBUTION CORPORATION
PENNSYLVANIA DIVISION
STATEMENT OF TOTAL OVER / (UNDER) COLLECTIONS
TWELVE MONTHS ENDED NOVEMBER 2023**

COMMODITY

	<u>PGC</u> <u>Revenue</u>	<u>Cost of</u> <u>Fuel</u>	<u>Over / (Under)</u> <u>Collections</u>
	\$	\$	\$
	(3 = 1 x 2)	(4)	(5 = 3 - 4)
April			
Commodity	10,910,726		
Storage Inventory Recovery	0		
Reimbursement of NFGSC Transfer Fee	0		
Market Rate Differential	0		
City Gate Imbalance	40,959		
Sales Cashout	62,630		
OFO Penalty	0		
	<u>11,014,315</u>	(87,508)	11,101,823
May			
Commodity	6,578,205		
Storage Inventory Recovery	4,543		
Reimbursement of NFGSC Transfer Fee	39		
Market Rate Differential	0		
City Gate Imbalance	1,146		
Sales Cashout	23,127		
OFO Penalty	0		
	<u>6,607,059</u>	(571,723)	7,178,782
June			
Commodity	2,332,126		
Storage Inventory Recovery	2,388		
Reimbursement of NFGSC Transfer Fee	27		
Market Rate Differential	0		
City Gate Imbalance	134		
Sales Cashout	76		
OFO Penalty	0		
	<u>2,334,751</u>	(1,046,394)	3,381,144
July			
Commodity	1,157,786		
Storage Inventory Recovery	5,492		
Reimbursement of NFGSC Transfer Fee	23		
Market Rate Differential	0		
City Gate Imbalance	22		
Sales Cashout	0		
OFO Penalty	0		
	<u>1,163,324</u>	(1,231,116)	2,394,440

**NATIONAL FUEL GAS DISTRIBUTION CORPORATION
PENNSYLVANIA DIVISION
STATEMENT OF TOTAL OVER / (UNDER) COLLECTIONS
TWELVE MONTHS ENDED NOVEMBER 2023**

COMMODITY

	<u>PGC</u> <u>Revenue</u>	<u>Cost of</u> <u>Fuel</u>	<u>Over / (Under)</u> <u>Collections</u>
	\$	\$	\$
	(3 = 1 x 2)	(4)	(5 = 3 - 4)
August			
Commodity	1,029,459		
Storage Inventory Recovery	16,169		
Reimbursement of NFGSC Transfer Fee	39		
Market Rate Differential	0		
City Gate Imbalance	0		
Sales Cashout	0		
OFO Penalty	0		
	<u>1,045,666</u>	(1,261,058)	2,306,725
September			
Commodity	965,735		
Storage Inventory Recovery	17,162		
Reimbursement of NFGSC Transfer Fee	35		
Market Rate Differential	0		
City Gate Imbalance	7		
Sales Cashout	105		
OFO Penalty	0		
	<u>983,045</u>	(1,253,936)	2,236,980
October			
Commodity	1,646,045		
Reimbursement of NFGSC Transfer Fee	42		
Market Rate Differential	0		
City Gate Imbalance	408		
Sales Cashout	9,558		
OFO Penalty	0		
	<u>1,681,641</u>	442,786	1,238,856
November			
Commodity	3,807,228		
Storage Inventory Recovery	25,415		
Reimbursement of NFGSC Transfer Fee	35		
Market Rate Differential	0		
City Gate Imbalance	10,148		
Sales Cashout	13,653		
OFO Penalty	0		
	<u>3,856,479</u>	5,136,800	(1,280,321)
Total	101,139,764	59,623,739	41,516,025

LINK YEAR - CALCULATION FLOWS TO SCHEDULE 5 - COMMODITY

NATIONAL FUEL GAS DISTRIBUTION CORPORATION
Pennsylvania Division
Calculation of Interest on Storage Injections / Withdrawals (C Factor Recovery / (Passback))
Twelve Months Ended July 2024

Month	Open / Closed Period	Injections Mcf (1)	Withdrawals Mcf (2)	Rate Differential \$/ Mcf (3)	Cost Charged	Cost Paid	Storage	Interest Weight (7)	Interest Rate ¹ % (8)	Gross
					Through PGC But Not Paid By Distribution Through PGC \$ (4 = 2 x 3)	By Distribution But Not Charged Through PGC \$ (5 = 1 x 3)	(Net Paid) / Net Charged \$ (6 = 4 + 5)			Storage Interest Expense / (Revenue) \$ (9 = [6 x (7 x 8)])
August 2023	Closed	975,930	14,830	4.5022	66,768	(4,393,832)	(4,327,064)	12 / 12	8.50%	(367,800)
September	Closed	1,169,912	14,590	4.5022	65,687	(5,267,178)	(5,201,491)	11 / 12	8.50%	(405,283)
October	Closed	1,052,094	7,198	4.1764	30,062	(4,393,959)	(4,363,897)	10 / 12	8.50%	(309,109)
November	Closed	66,929	728,785	4.1764	3,043,693	(279,522)	2,764,171	9 / 12	8.50%	176,216
December	Open	0	899,868	4.1764	3,758,202	0	3,758,202	8 / 12	8.50%	212,965
January 2024	Open	0	1,885,072	4.1764	7,872,805	0	7,872,805	7 / 12	8.50%	390,360
February	Open	0	1,471,206	4.1764	6,144,334	0	6,144,334	6 / 12	8.50%	261,134
March	Open	0	1,683,651	4.1764	7,031,589	0	7,031,589	5 / 12	8.50%	249,035
April	Open	83,636	0	4.1764	0	(349,295)	(349,295)	4 / 12	8.50%	(9,897)
May	Open	1,201,098	0	4.1764	0	(5,016,258)	(5,016,258)	3 / 12	8.50%	(106,595)
June	Open	1,158,886	0	4.1764	0	(4,839,964)	(4,839,964)	2 / 12	8.50%	(68,566)
July	Open	1,167,566	0	4.1764	0	(4,876,216)	(4,876,216)	1 / 12	8.50%	(34,540)
TOTAL		6,876,051	6,705,199		28,013,140	(29,416,224)	(1,403,084)			(12,081)
Estimated Storage Interest Income Due From PGC Customers										<u><u>(\$12,081)</u></u>

¹ The storage over / (under) interest rate is based upon the prime interest rate in effect within 60 days of this filing.

RATE YEAR - CALCULATION FLOWS TO SCHEDULE 5 - COMMODITY

NATIONAL FUEL GAS DISTRIBUTION CORPORATION
Pennsylvania Division
Calculation of Interest on Storage Injections / Withdrawals (C Factor Recovery / (Passback))
Twelve Months Ended July 2025

Month	Open / Closed Period	Injections Mcf (1)	Withdrawals Mcf (2)	Rate Differential \$/ Mcf (3)	Cost Charged	Cost Paid	Storage	Interest Weight (7)	Interest Rate ¹ % (8)	Gross Storage Interest Expense / (Revenue) \$(9 = [6 x (7 x 8)])
					Through PGC But Not Paid By Distribution \$ (4 = 2 x 3)	By Distribution But Not Charged Through PGC \$ (5 = 1 x 3)	(Net Paid) / Net Charged \$(6 = 4 + 5)			
August 2024	Open	1,051,167	0	4.1764	0	(4,390,085)	(4,390,085)	12 / 12	8.50%	(373,157)
September	Open	1,129,405	0	4.1764	0	(4,716,842)	(4,716,842)	11 / 12	8.50%	(367,521)
October	Open	1,021,324	0	5.3391	0	(5,452,991)	(5,452,991)	10 / 12	8.50%	(386,254)
November	Open	0	778,698	5.3391	4,157,577	0	4,157,577	9 / 12	8.50%	265,046
December	Open	0	899,868	5.3391	4,804,517	0	4,804,517	8 / 12	8.50%	272,256
January 2025	Open	0	1,885,072	5.3391	10,064,659	0	10,064,659	7 / 12	8.50%	499,039
February	Open	0	1,471,206	5.3391	7,854,967	0	7,854,967	6 / 12	8.50%	333,836
March	Open	0	1,683,651	5.3391	8,989,242	0	8,989,242	5 / 12	8.50%	318,369
April	Open	83,636	0	5.3391	0	(446,542)	(446,542)	4 / 12	8.50%	(12,652)
May	Open	1,201,098	0	5.3391	0	(6,412,826)	(6,412,826)	3 / 12	8.50%	(136,273)
June	Open	1,158,886	0	5.3391	0	(6,187,450)	(6,187,450)	2 / 12	8.50%	(87,656)
July	Open	1,167,566	0	5.3391	0	(6,233,795)	(6,233,795)	1 / 12	8.50%	(44,156)
TOTAL		6,813,082	6,718,495		35,870,962	(33,840,531)	2,030,431			280,878
Estimated Storage Interest Expense Due to PGC Customers										\$280,878
PGC Volumes (Exhibit 22)										<u>21,817,752</u>
PGC (Passback) / Recovery Rate \$/Mcf										<u>(\$0.0129)</u>

1 The storage over / (under) interest rate is based upon the prime interest rate in effect within 60 days of this filing.

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Section 53.64 (i) (1) (v)

"

(i) Utilities shall comply with the following:

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

. . . "

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

. . . "

Explanation that Over/Under Collections
for the Twelve Months Ended November 30, 2023
Resulted from a Least-Cost Procurement Policy

As shown on Exhibit No. 21-A Demand - NGS, sheets 1 through 3 and Exhibit No. 21-A Demand – DC sheets 1 and 2, National Fuel Gas Distribution Corporation ("Distribution") under-collected demand gas costs by a net amount of \$2,707,422 during the twelve months ended November 30, 2023. In Exhibit 21-A Commodity sheets 1 through 3, Distribution over-collected commodity gas costs by \$41,516,025 for the twelve months ended November 30, 2023. The total gas cost over-recovery for the period is \$38,808,603.

Distribution under-collected its projected demand gas costs primarily because actual demand costs were higher than projected demand costs. Demand costs were projected for the twelve months ended November 2023 at \$1.7580/Mcf. Actual

1 demand costs for the period were \$1.8972/Mcf. This resulted in an under-recovery of
2 \$0.1392/Mcf or \$2.7 million [$\$0.1392 \times 19,439,464$ Mcf] for the period.

3 Distribution over-collected its commodity costs primarily because actual
4 commodity costs were lower than projected. Projected commodity costs were
5 \$5.2028/Mcf for the period. Actual commodity costs were \$3.0671/Mcf for the period.
6 This resulted in an over-recovery of commodity costs of \$2.1357/Mcf or \$41.5 million
7 [$\$2.1357 \times 19,439,464$ Mcf] for the period.

8 Despite the over-recovery of total gas costs, gas costs would have been
9 higher if not for Distribution's "least cost" fuel procurement practices.

10 Distribution's Pennsylvania Division contracts for pipeline capacity on
11 Tennessee Gas Pipeline Company, LLC ("Tennessee" or "TGP"), Texas Eastern
12 Transmission, LP ("Texas Eastern" or "TETCO") and Columbia Gas Transmission, LLC
13 ("Columbia"). Distribution also contracts for pipeline capacity on National Fuel Gas
14 Supply Corporation's ("Supply" or "NFGSC") transmission system. Supply's transmission
15 lines interconnect facilities of these pipelines with the Pennsylvania gas distribution lines
16 owned and operated by Distribution. Distribution uses this pipeline capacity to acquire
17 gas supplies at the lowest cost that is consistent with maintaining adequate, reliable and
18 reasonably continuous service.

19 Distribution's Pennsylvania Division also contracts for storage capacity in
20 Supply's substantial storage fields and storage capacity on Columbia. Distribution's
21 contracted storage service with Supply permits Distribution to obtain gas supplies at a
22 lower cost than would otherwise be the case. The storage fields enable Distribution to
23 maintain lower interstate pipeline entitlements than would be possible without storage
24 facilities. Distribution can rely upon gas withdrawn from storage, instead of current

NATIONAL FUEL GAS DISTRIBUTION CORPORATION

Statement to show actual retail sales for the twelve months ended November 2023 and projected retail sales for the twenty months ending July 2025.

Page 2 provides actual retail sales for the twelve months ended November 2023.
Pages 3 and 4 provide projected retail sales for the twenty months ending July 2025.

National Fuel Gas Distribution Corporation
Pennsylvania Division
Actual Retail Sales (Mcf)
Twelve Months Ended November 30, 2023

	Mcf
December 2022	2,855,267
January 2023	3,427,933
February 2023	3,192,847
March 2023	2,901,710
April 2023	2,174,149
May 2023	1,318,013
June 2023	590,444
July 2023	345,991
August 2023	326,640
September 2023	376,975
October 2023	616,679
November 2023	1,400,758
Total	<u>19,527,404</u>

National Fuel Gas Distribution Corporation
Pennsylvania Division
Projected Retail Sales (Mcf)
Eight Months Ended July 31, 2024

	Mcf
December 2023	2,799,328
January 2024	3,742,164
February 2024	3,909,889
March 2024	3,390,346
April 2024	2,476,675
May 2024	1,279,705
June 2024	647,700
July 2024	403,521
Total	<hr/> 18,649,329

National Fuel Gas Distribution Corporation
Pennsylvania Division
Projected Retail Sales (Mcf)
Twelve Months Ending July 31, 2025

	Mcf
August 2024	365,471
September 2024	375,657
October 2024	720,719
November 2024	1,608,593
December 2024	2,835,859
January 2025	3,789,541
February 2025	3,864,067
March 2025	3,392,281
April 2025	2,506,734
May 2025	1,295,104
June 2025	655,355
July 2025	408,371
Total	<hr/> 21,817,752

Company	Component	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Total
Columbia	Demand (D1)	1,748	1,748	1,748	1,748	1,748	1,748	1,748	1,748	13,984
	Demand (D2)	0	0	0	0	0	0	0	0	0
	Receipt Vol.	45,471	44,959	39,468	55,937	57,434	93,137	90,132	93,137	519,675
	Delivered Vol.	43,271	42,337	37,091	52,993	104,011	90,701	87,949	90,925	549,278
Texas Eastern	Demand (D1)	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	80,000
	Demand (D2)	0	0	0	0	0	0	0	0	0
	Receipt Vol.	310,000	310,000	290,000	342,026	330,993	342,026	330,993	342,026	2,598,064
	Delivered Vol.	306,536	306,536	286,759	338,204	327,294	338,204	327,294	338,204	2,569,031
Tennessee	Demand (D1)	74,000	74,000	74,000	74,000	74,000	74,000	74,000	74,000	592,000
	Demand (D2)	0	0	0	0	0	0	0	0	0
	Receipt Vol.	1,271,875	1,387,500	1,297,984	699,871	1,661,976	1,717,375	1,258,019	1,238,358	10,532,958
	Delivered Vol.	1,251,354	1,365,114	1,277,042	688,579	1,635,161	1,689,666	1,237,722	1,218,378	10,363,016
Total Upstream Purchase Volumes		<u>1,601,161</u>	<u>1,713,987</u>	<u>1,600,892</u>	<u>1,079,776</u>	<u>2,066,466</u>	<u>2,118,571</u>	<u>1,652,965</u>	<u>1,647,507</u>	<u>13,481,325</u>
Total City Gate NFGSC Volumes		<u>676,408</u>	<u>737,899</u>	<u>690,293</u>	<u>307,458</u>	<u>228,368</u>	<u>302,465</u>	<u>0</u>	<u>0</u>	<u>2,942,891</u>
Total Storage Volumes		<u>938,208</u>	<u>1,957,130</u>	<u>1,502,910</u>	<u>1,890,323</u>	<u>(387,426)</u>	<u>(1,237,660)</u>	<u>(1,215,356)</u>	<u>(1,256,732)</u>	<u>2,191,397</u>
Total for NFGDC PAD		<u>3,215,777</u>	<u>4,409,016</u>	<u>3,794,095</u>	<u>3,277,557</u>	<u>1,907,408</u>	<u>1,183,376</u>	<u>437,609</u>	<u>390,775</u>	<u>18,615,613</u>

National Fuel Gas Distribution Corporation
 Pennsylvania Division - 1307(f) 2024
 Upstream Purchase & Delivered Volume (Dt)
 For the Twelve Months Ending July 2024

Company	Component	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Jul-25	Total
Columbia	Demand (D1)	1,748	1,748	1,748	1,748	1,748	1,748	1,748	1,748	1,748	1,748	1,748	1,748	20,976
	Demand (D2)	0	0	0	0	0	0	0	0	0	0	0	0	0
	Receipt Vol.	93,000	90,132	93,137	54,132	44,959	44,959	50,524	55,937	90,132	93,137	90,132	93,137	893,318
	Delivered Vol.	42,605	87,918	90,159	51,284	42,337	42,337	47,864	52,993	87,554	90,701	87,949	90,462	814,163
Texas Eastern	Demand (D1)	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	120,000
	Demand (D2)	0	0	0	0	0	0	0	0	0	0	0	0	0
	Receipt Vol.	342,026	330,993	342,026	330,993	313,100	313,100	282,800	342,026	330,993	342,026	330,993	342,026	3,943,102
	Delivered Vol.	338,204	327,294	338,204	327,294	309,601	309,601	279,640	338,204	327,294	338,204	327,294	338,204	3,899,038
Tennessee	Demand (D1)	74,000	74,000	74,000	74,000	74,000	74,000	74,000	74,000	74,000	74,000	74,000	74,000	888,000
	Demand (D2)	0	0	0	0	0	0	0	0	0	0	0	0	0
	Receipt Vol.	1,141,693	1,190,168	1,717,375	664,835	1,271,875	1,387,500	1,298,658	843,843	1,642,940	1,717,375	1,227,173	1,218,714	15,322,149
	Delivered Vol.	1,123,273	1,170,965	1,689,666	654,109	1,251,354	1,365,114	1,277,705	830,228	1,616,433	1,689,666	1,207,374	1,199,050	15,074,937
Total Upstream Purchase Volumes		1,504,082	1,586,177	2,118,028	1,032,687	1,603,292	1,717,052	1,605,209	1,221,425	2,031,281	2,118,571	1,622,617	1,627,716	19,788,137
Total City Gate NFGSC Volumes		0	0	91,668	297,540	676,408	737,899	666,490	307,458	0	365,422	0	0	3,142,885
Total Storage Volumes		(1,104,776)	(1,187,005)	(1,073,412)	818,412	945,761	1,981,211	1,546,237	1,769,517	(87,901)	(1,262,354)	(1,217,989)	(1,227,112)	(99,411)
Total for NFGDC PAD		399,306	399,172	1,136,284	2,148,639	3,225,461	4,436,162	3,817,936	3,298,400	1,943,380	1,221,639	404,628	400,604	22,831,611

National Fuel Gas Distribution Corporation
 Pennsylvania Division - 1307(f) 2024
 Upstream Pipeline Rates (\$/Dt)
 For the Twelve Months Ending July 2024

Company	Schedule	Component	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Jul-25
NFGSC	EFT	Demand	\$8.9534	\$8.9534	\$8.9534	\$8.9534	\$8.9534	\$8.9534	\$8.9534	\$8.9534	\$8.9534	\$8.9534	\$8.9534	\$8.9534
		Commodity	0.0237	0.0237	0.0237	0.0237	0.0237	0.0237	0.0237	0.0237	0.0237	0.0237	0.0237	0.0237
	FG	Demand	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Commodity	30.3157	32.5935	30.3157	26.9013	17.7901	23.4824	22.3457	20.0679	25.7602	23.4824	25.7602	25.7602
Columbia	FTS	Demand	0.0237	0.0237	0.0237	0.0237	0.0237	0.0237	0.0237	0.0237	0.0237	0.0237	0.0237	0.0237
		Commodity	10.1690	10.1690	10.1690	10.1690	10.1690	10.1690	10.1690	10.1690	10.1690	10.1690	10.1690	10.1690
Columbia	SST	Demand	0.0146	0.0146	0.0146	0.0146	0.0146	0.0146	0.0146	0.0146	0.0146	0.0146	0.0146	0.0146
		Commodity	10.0500	10.0500	10.0500	10.0500	10.0500	10.0500	10.0500	10.0500	10.0500	10.0500	10.0500	10.0500
Texas Eastern	FT-1	Demand	0.0146	0.0146	0.0146	0.0146	0.0146	0.0146	0.0146	0.0146	0.0146	0.0146	0.0146	0.0146
	CDS	Demand	6.4600	6.4600	6.4600	6.4600	6.4600	6.4600	6.4600	6.4600	6.4600	6.4600	6.4600	6.4600
	STX-M2	Commodity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	ETX-M2	Commodity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	ELA-M2	Commodity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	WLA-M2	Commodity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	M1-M2	Commodity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	M2-M2	Commodity	0.0495	0.0495	0.0495	0.0495	0.0495	0.0495	0.0495	0.0495	0.0495	0.0495	0.0495	0.0495
Tennessee	FTA-4 (0-4)	Demand	14.8017	14.8017	14.8017	14.8017	14.8017	14.8017	14.8017	14.8017	14.8017	14.8017	14.8017	14.8017
		Commodity	0.2600	0.2600	0.2600	0.2600	0.2600	0.2600	0.2600	0.2600	0.2600	0.2600	0.2600	0.2600
	FTA-4 (1-4)	Demand	12.6232	12.6232	12.6232	12.6232	12.6232	12.6232	12.6232	12.6232	12.6232	12.6232	12.6232	12.6232
		Commodity	0.2212	0.2212	0.2212	0.2212	0.2212	0.2212	0.2212	0.2212	0.2212	0.2212	0.2212	0.2212
	FTA-4 (4-4)	Demand	4.5022	4.5022	4.5022	4.5022	4.5022	4.5022	4.5022	4.5022	4.5022	4.5022	4.5022	4.5022
		Commodity	0.0449	0.0449	0.0449	0.0449	0.0449	0.0449	0.0449	0.0449	0.0449	0.0449	0.0449	0.0449

Company	Component	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Total
Columbia	Demand (D1)	17,775	17,775	17,775	17,775	17,775	17,775	17,775	17,775	142,200
	Demand (D2)	553	553	517	553	0	0	0	0	2,175
	Gas Cost	122,071	132,159	113,833	149,599	140,196	211,192	199,195	214,081	1,282,326
	Transp. Cost	938	1,078	971	1,235	766	685	546	534	6,753
Tennessee	Demand (D1)	499,564	499,564	499,564	499,564	404,222	404,222	404,222	404,222	3,615,144
	Demand (D2)	59,830	59,830	55,970	59,830	0	0	0	0	235,460
	Gas Cost	3,790,390	4,430,148	4,035,072	2,044,715	4,148,292	4,134,580	2,839,978	2,939,243	28,362,419
	Transp. Cost	56,650	61,800	57,813	31,173	74,026	76,493	56,033	55,157	469,145
Texas Eastern	Demand (D1)	64,600	64,600	64,600	64,600	64,600	64,600	64,600	64,600	516,800
	Demand (D2)	0	0	0	3,100	0	0	0	0	3,100
	Gas Cost	933,488	933,488	873,263	893,276	748,375	705,429	669,433	719,452	6,476,202
	Transp. Cost	15,299	15,299	14,312	16,880	16,335	16,880	16,335	16,880	128,220
NFGSC	Demand (D1)	1,926,779	1,914,589	3,225,366	3,213,175	3,237,556	3,225,366	3,237,556	3,231,473	23,211,860
	Demand (D2)	59,024	59,024	55,216	47,399	0	0	0	0	220,663
	Gas Cost	2,109,677	2,495,037	2,259,099	940,908	594,291	760,128	0	0	9,159,140
	Transp. Cost	52,248	71,582	90,134	77,906	45,971	28,006	10,813	9,731	386,391
Total Purchase	Demand	<u>\$2,628,125</u>	<u>\$2,615,935</u>	<u>\$3,919,008</u>	<u>\$3,905,996</u>	<u>\$3,724,153</u>	<u>\$3,711,963</u>	<u>\$3,724,153</u>	<u>\$3,718,070</u>	<u>\$27,947,402</u>
	Commodity	<u>\$7,081,010</u>	<u>\$8,140,983</u>	<u>\$7,444,763</u>	<u>\$4,155,849</u>	<u>\$5,768,632</u>	<u>\$5,933,786</u>	<u>\$3,792,713</u>	<u>\$3,955,470</u>	<u>\$46,273,208</u>
PAD Storage Rental and Transp. Storage Gas	Demand	1,330,232	1,330,232	1,860,815	1,860,815	1,768,274	1,768,274	1,768,274	1,768,274	13,455,190
	Commodity	41,872	91,072	60,129	75,330	13,781	48,522	47,419	49,119	427,244
PAD Storage Gas	Demand	2,407,171	5,001,701	3,838,551	4,832,937	(979,351)	(3,129,386)	(3,072,818)	(3,177,377)	5,721,428
	Commodity	2,444,301	5,078,852	3,897,758	4,907,483	(994,457)	(3,177,655)	(3,120,214)	(3,226,388)	5,809,680
Total NFGDC PAD	Demand	6,365,528	8,947,868	9,618,374	10,599,748	4,513,076	2,350,851	2,419,609	2,308,967	47,124,020
	Commodity	9,567,183	13,310,907	11,402,650	9,138,662	4,787,956	2,804,653	719,918	778,201	52,510,132
	Total	<u>\$15,932,711</u>	<u>\$22,258,775</u>	<u>\$21,021,024</u>	<u>\$19,738,410</u>	<u>\$9,301,032</u>	<u>\$5,155,504</u>	<u>\$3,139,527</u>	<u>\$3,087,168</u>	<u>\$99,634,152</u>

National Fuel Gas Distribution Corporation
 Pennsylvania Division - 1307(f) 2024
 Upstream Purchase and Storage Cost
 For the Twelve Months Ending July 2024

Note for next update - totals were not matching due to hidden cells, rows 15 to row 22.
 TLW - 12/22/22

Company	Component	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Jul-25	Total
Columbia	Demand (D1)	17,775	17,775	17,775	17,775	17,775	17,775	17,775	17,775	17,775	17,775	17,775	17,775	213,300
	Demand (D2)	0	0	0	0	0	0	0	0	0	0	0	0	0
	Gas Cost	221,619	173,098	171,225	136,716	143,452	172,439	194,572	197,325	284,231	264,323	270,126	292,404	2,521,531
	Transp. Cost	538	567	1,052	1,195	1,078	1,078	1,115	1,235	813	685	546	847	10,749
Tennessee	Demand (D1)	404,222	404,222	404,222	404,222	404,222	404,222	404,222	404,222	404,222	404,222	404,222	404,222	4,850,664
	Demand (D2)	0	0	0	0	0	0	0	0	0	0	0	0	0
	Gas Cost	2,800,573	2,461,267	3,384,946	1,822,238	4,390,294	5,602,968	5,236,990	3,183,613	5,398,701	5,384,829	3,864,981	4,094,270	47,625,671
	Transp. Cost	50,852	53,011	76,493	29,612	56,650	61,800	57,843	37,585	73,178	76,493	54,659	54,282	682,458
Texas Eastern	Demand (D1)	64,600	64,600	64,600	64,600	64,600	64,600	64,600	64,600	64,600	64,600	64,600	64,600	775,200
	Demand (D2)	0	0	0	0	0	0	0	0	0	0	0	0	0
	Gas Cost	729,541	564,509	534,758	769,636	994,875	1,237,997	1,115,222	1,222,823	951,936	915,946	909,238	1,046,429	10,992,909
	Transp. Cost	16,880	16,335	16,880	16,335	15,452	15,452	13,957	16,880	16,335	16,880	16,335	16,880	194,601
NFGSC	Demand (D1)	3,249,747	3,261,937	3,249,747	3,231,473	3,182,710	3,213,175	3,207,091	3,194,900	3,225,366	3,213,175	3,225,366	3,225,366	38,680,053
	Demand (D2)	0	0	0	0	0	0	0	0	0	0	0	0	0
	Gas Cost	0	0	190,028	846,750	2,426,465	3,084,650	2,779,408	1,210,146	0	1,186,571	0	0	11,724,017
	Transp. Cost	9,733	9,733	27,209	50,915	76,911	105,386	90,707	78,414	46,272	28,201	10,885	9,793	544,159
Total Purchase	Demand	<u>\$3,736,344</u>	<u>\$3,748,534</u>	<u>\$3,736,344</u>	<u>\$3,718,070</u>	<u>\$3,669,307</u>	<u>\$3,699,772</u>	<u>\$3,693,688</u>	<u>\$3,681,497</u>	<u>\$3,711,963</u>	<u>\$3,699,772</u>	<u>\$3,711,963</u>	<u>\$3,711,963</u>	<u>\$44,519,217</u>
	Commodity	<u>\$3,830,179</u>	<u>\$3,278,951</u>	<u>\$4,403,036</u>	<u>\$3,673,829</u>	<u>\$8,105,623</u>	<u>\$10,282,215</u>	<u>\$9,490,216</u>	<u>\$5,948,466</u>	<u>\$6,771,897</u>	<u>\$7,874,372</u>	<u>\$5,127,201</u>	<u>\$5,515,349</u>	<u>\$74,301,334</u>
PAD Storage Rental and Transp. Storage Gas	Demand	1,768,274	1,768,274	1,860,815	1,860,815	1,860,815	1,860,815	1,860,815	1,860,815	1,768,274	1,768,274	1,768,274	1,768,274	21,774,534
	Commodity	45,169	46,371	42,022	32,075	37,646	78,656	61,544	70,353	3,017	49,721	47,807	48,471	562,852
PAD Storage Gas	Demand	(2,809,847)	(3,018,433)	(3,067,276)	2,322,241	2,743,411	5,695,125	4,444,183	5,083,515	(252,502)	(3,606,703)	(3,479,720)	(3,505,639)	548,355
	Commodity	(2,853,525)	(3,065,353)	(3,608,661)	2,732,125	3,227,632	6,700,335	5,228,597	5,980,774	(297,069)	(4,243,300)	(4,093,904)	(4,124,398)	1,583,253
Total NFGDC PAD	Demand	2,694,771	2,498,375	2,529,883	7,901,126	8,273,533	11,255,712	9,998,686	10,625,827	5,227,735	1,861,343	2,000,517	1,974,598	66,842,106
	Commodity	1,021,823	259,969	836,397	6,438,029	11,370,901	17,061,206	14,780,357	11,999,593	6,477,845	3,680,793	1,081,104	1,439,422	76,447,439
	Total	<u>\$3,716,594</u>	<u>\$2,758,344</u>	<u>\$3,366,280</u>	<u>\$14,339,155</u>	<u>\$19,644,434</u>	<u>\$28,316,918</u>	<u>\$24,779,043</u>	<u>\$22,625,420</u>	<u>\$11,705,580</u>	<u>\$5,542,136</u>	<u>\$3,081,621</u>	<u>\$3,414,020</u>	<u>\$143,289,545</u>

Storage Volume (Dt)			Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Total	
Col. - FSS	Storage Rental	Demand	18,417	18,417	18,417	18,417	18,417	18,417	18,417	18,417	147,336	
		Capacity	564,031	564,031	564,031	564,031	564,031	564,031	564,031	564,031	564,031	4,512,248
		Injection	0	0	0	0	12,977	74,088	79,690	84,432	84,432	251,187
	Storage Transp.	Withdrawal	189,693	84,605	28,202	112,806	0	0	0	0	0	415,306
		Demand	18,417	18,417	18,417	18,417	9,209	9,209	9,209	9,209	9,209	110,504
		Injection	0	0	0	0	3,770	74,088	79,690	84,432	84,432	241,980
	Gas Cost	Withdrawal	185,649	82,801	27,600	110,401	0	0	0	0	0	406,451
		Injection	0	0	0	0	(51,444)	(74,015)	(79,612)	(84,350)	(84,350)	(289,421)
		Withdrawal	189,693	84,605	28,202	112,806	0	0	0	0	0	415,306
	NFGSC - ESS	Storage Rental	Demand	187,563	187,563	187,563	187,563	187,563	187,563	187,563	187,563	1,500,504
Capacity			8,755,100	8,755,100	8,755,100	8,755,100	8,755,100	8,755,100	8,755,100	8,755,100	8,755,100	70,040,800
Injection			0	0	0	0	247,872	1,074,110	991,486	1,074,110	1,074,110	3,387,578
Withdrawal			691,676	1,561,384	1,337,808	1,652,477	0	0	0	0	0	5,243,345
Gas Cost		Injection	0	0	0	0	(247,872)	(1,074,110)	(991,486)	(1,074,110)	(1,074,110)	(3,387,578)
		Withdrawal	691,676	1,561,384	1,337,808	1,652,477	0	0	0	0	0	5,243,345
NFGSC - FSS	Storage Rental	Demand	10,666	10,666	10,666	10,666	10,666	10,666	10,666	10,666	85,328	
		Capacity	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,600,000
		Injection	0	0	0	0	26,000	0	66,366	13,634	13,634	106,000
	Gas Cost	Withdrawal	65,814	46,000	44,000	0	0	0	0	0	0	155,814
		Injection	0	0	0	0	(26,000)	0	(66,366)	(13,634)	(13,634)	(106,000)
		Withdrawal	65,814	46,000	44,000	0	0	0	0	0	0	155,814
NFGSC - FSS (New)	Storage Rental	Demand	14,000	14,000	14,000	14,000	14,000	14,000	14,000	14,000	112,000	
		Capacity	651,274	651,274	651,274	651,274	651,274	651,274	651,274	651,274	651,274	5,210,192
		Injection	0	0	0	0	60,043	83,238	71,640	78,153	78,153	293,074
	Gas Cost	Withdrawal	0	276,100	100,398	136,400	0	0	0	0	0	512,898
		Injection	0	0	0	0	(60,043)	(83,238)	(71,640)	(78,153)	(78,153)	(293,074)
		Withdrawal	0	276,100	100,398	136,400	0	0	0	0	0	512,898

National Fuel Gas Distribution Corporation
 Pennsylvania Division - 1307(f) 2024
 Summary of Storage Volume (Dt)

Storage Volume (Dt)			Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Jul-25	Total	
Col. - FSS	Storage Rental	Demand	18,417	18,417	18,417	18,417	18,417	18,417	18,417	18,417	18,417	18,417	18,417	18,417	221,004	
		Capacity	564,031	564,031	564,031	564,031	564,031	564,031	564,031	564,031	564,031	564,031	564,031	564,031	6,768,372	
		Injection	74,649	78,274	48,949	0	0	0	0	0	0	61,426	74,088	79,690	62,993	480,069
	Storage Transp.	Withdrawal	0	0	0	40,883	31,623	153,106	112,806	101,526	0	0	0	0	0	439,944
		Demand	9,209	9,209	18,417	18,417	18,417	18,417	18,417	18,417	9,209	9,209	9,209	9,209	9,209	165,756
		Injection	83,857	78,274	48,949	0	0	0	0	0	61,426	74,088	79,690	62,993	62,993	489,277
	Gas Cost	Withdrawal	0	0	0	50,049	20,911	149,842	110,401	99,361	0	0	0	0	0	430,564
		Injection	(36,121)	(78,197)	(48,904)	0	0	0	0	0	(62,394)	(74,015)	(79,612)	(62,712)	(62,712)	(441,955)
		Withdrawal	0	0	0	40,883	31,623	153,106	112,806	101,526	0	0	0	0	0	439,944
	NFGSC - ESS	Storage Rental	Demand	187,563	187,563	187,563	187,563	187,563	187,563	187,563	187,563	187,563	187,563	187,563	187,563	2,250,756
Capacity			8,755,100	8,755,100	8,755,100	8,755,100	8,755,100	8,755,100	8,755,100	8,755,100	8,755,100	8,755,100	8,755,100	8,755,100	8,755,100	105,061,200
Injection			991,486	1,074,110	991,486	0	0	0	0	0	0	1,086,475	1,002,900	1,086,475	0	6,232,932
Gas Cost		Withdrawal	0	0	0	742,540	919,325	1,671,499	1,253,625	1,587,924	0	0	0	0	0	6,174,913
		Injection	(991,486)	(1,074,110)	(991,486)	0	0	0	0	0	0	(1,086,475)	(1,002,900)	(1,086,475)	(1,086,475)	(6,232,932)
		Withdrawal	0	0	0	742,540	919,325	1,671,499	1,253,625	1,587,924	0	0	0	0	0	6,174,913
NFGSC - FSS	Storage Rental	Demand	10,666	10,666	10,666	10,666	10,666	10,666	10,666	10,666	10,666	10,666	10,666	10,666	127,992	
		Capacity	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	2,400,000	
		Injection	0	16,000	34,000	0	0	0	0	0	0	24,695	64,707	598	598	140,000
	Gas Cost	Withdrawal	0	0	0	30,000	10,000	40,000	60,000	0	0	0	0	0	0	140,000
		Injection	0	(16,000)	(34,000)	0	0	0	0	0	0	(24,695)	(64,707)	(598)	(598)	(140,000)
		Withdrawal	0	0	0	30,000	10,000	40,000	60,000	0	0	0	0	0	0	140,000
NFGSC - FSS (Ne Storage Rental)	Storage Rental	Demand	14,000	14,000	14,000	14,000	14,000	14,000	14,000	14,000	14,000	14,000	14,000	14,000	168,000	
		Capacity	651,274	651,274	651,274	651,274	651,274	651,274	651,274	651,274	651,274	651,274	651,274	651,274	7,815,288	
		Injection	78,153	19,538	0	0	0	0	0	0	0	26,051	78,153	71,640	78,153	351,688
	Gas Cost	Withdrawal	0	0	0	0	0	130,255	130,255	91,178	0	0	0	0	0	351,688
		Injection	(78,153)	(19,538)	0	0	0	0	0	0	0	(26,051)	(78,153)	(71,640)	(78,153)	(351,688)
		Withdrawal	0	0	0	0	0	130,255	130,255	91,178	0	0	0	0	0	351,688

National Fuel Gas Distribution Corporation
 Pennsylvania Division - 1307(f) 2024
 Summary of Storage Unit Cost

Storage Unit Cost (\$/Dt)			Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Jul-25
Col. - FSS	Storage Rental	Demand	2.8230	2.8230	2.8230	2.8230	2.8230	2.8230	2.8230	2.8230	2.8230	2.8230	2.8230	2.8230
		Capacity	0.0513	0.0513	0.0513	0.0513	0.0513	0.0513	0.0513	0.0513	0.0513	0.0513	0.0513	0.0513
		Injection	0.0153	0.0153	0.0153	0.0153	0.0153	0.0153	0.0153	0.0153	0.0153	0.0153	0.0153	0.0153
	Storage Transp.	Withdrawal	0.0153	0.0153	0.0153	0.0153	0.0153	0.0153	0.0153	0.0153	0.0153	0.0153	0.0153	0.0153
		Demand	10.0500	10.0500	10.0500	10.0500	10.0500	10.0500	10.0500	10.0500	10.0500	10.0500	10.0500	10.0500
		Injection	0.0146	0.0146	0.0146	0.0146	0.0146	0.0146	0.0146	0.0146	0.0146	0.0146	0.0146	0.0146
	Gas Cost	Withdrawal	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180
		Demand	2.5411	2.5411	2.8549	2.8549	2.8549	2.8549	2.8549	2.8549	2.8549	2.8549	2.8549	2.8549
		Commodity	2.5806	2.5806	3.3588	3.3588	3.3588	3.3588	3.3588	3.3588	3.3588	3.3588	3.3588	3.3588
	NFGSC - ESS	Storage Rental	Demand	4.2337	4.2337	4.2337	4.2337	4.2337	4.2337	4.2337	4.2337	4.2337	4.2337	4.2337
Capacity			0.0748	0.0748	0.0748	0.0748	0.0748	0.0748	0.0748	0.0748	0.0748	0.0748	0.0748	0.0748
Injection			0.0396	0.0396	0.0396	0.0396	0.0396	0.0396	0.0396	0.0396	0.0396	0.0396	0.0396	0.0396
Gas Cost		Withdrawal	0.0396	0.0396	0.0396	0.0396	0.0396	0.0396	0.0396	0.0396	0.0396	0.0396	0.0396	0.0396
		Demand	2.5411	2.5411	2.8549	2.8549	2.8549	2.8549	2.8549	2.8549	2.8549	2.8549	2.8549	2.8549
		Commodity	2.5806	2.5806	3.3588	3.3588	3.3588	3.3588	3.3588	3.3588	3.3588	3.3588	3.3588	3.3588
NFGSC - FSS	Storage Rental	Demand	4.0694	4.0694	4.0694	4.0694	4.0694	4.0694	4.0694	4.0694	4.0694	4.0694	4.0694	4.0694
		Capacity	0.0713	0.0713	0.0713	0.0713	0.0713	0.0713	0.0713	0.0713	0.0713	0.0713	0.0713	0.0713
		Injection	0.0381	0.0381	0.0381	0.0381	0.0381	0.0381	0.0381	0.0381	0.0381	0.0381	0.0381	0.0381
	Gas Cost	Withdrawal	0.0381	0.0381	0.0381	0.0381	0.0381	0.0381	0.0381	0.0381	0.0381	0.0381	0.0381	0.0381
		Demand	2.5411	2.5411	2.8549	2.8549	2.8549	2.8549	2.8549	2.8549	2.8549	2.8549	2.8549	2.8549
		Commodity	2.5806	2.5806	3.3588	3.3588	3.3588	3.3588	3.3588	3.3588	3.3588	3.3588	3.3588	3.3588
NFGSC - FSS (N.Storage Rental)	Storage Rental	Demand	4.0694	4.0694	4.0694	4.0694	4.0694	4.0694	4.0694	4.0694	4.0694	4.0694	4.0694	4.0694
		Capacity	0.0479	0.0479	0.0479	0.0479	0.0479	0.0479	0.0479	0.0479	0.0479	0.0479	0.0479	0.0479
		Injection	0.0453	0.0453	0.0453	0.0453	0.0453	0.0453	0.0453	0.0453	0.0453	0.0453	0.0453	0.0453
	Gas Cost	Withdrawal	0.0453	0.0453	0.0453	0.0453	0.0453	0.0453	0.0453	0.0453	0.0453	0.0453	0.0453	0.0453
		Demand	2.5411	2.5411	2.8549	2.8549	2.8549	2.8549	2.8549	2.8549	2.8549	2.8549	2.8549	2.8549
		Commodity	2.5806	2.5806	3.3588	3.3588	3.3588	3.3588	3.3588	3.3588	3.3588	3.3588	3.3588	3.3588

Storage Cost (\$)			Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Total	
Col. - FSS	Storage Rental	Demand	51,991	51,991	51,991	51,991	51,991	51,991	51,991	51,991	415,928	
		Capacity	28,935	28,935	28,935	28,935	28,935	28,935	28,935	28,935	231,480	
		Injection	0	0	0	0	199	1,134	1,219	1,292	3,844	
	Storage Transp.	Withdrawal	2,902	1,294	431	1,726	0	0	0	0	6,353	
		Demand	185,091	185,091	185,091	185,091	92,550	92,550	92,550	92,550	1,110,564	
		Injection	0	0	0	0	55	1,082	1,163	1,233	3,533	
	Injection	Withdrawal	3,342	1,490	497	1,987	0	0	0	0	7,316	
		Demand	0	0	0	0	(130,740)	(188,102)	(202,326)	(214,367)	(735,535)	
		Commodity	0	0	0	0	(132,756)	(191,003)	(205,447)	(217,674)	(746,880)	
	Withdrawal	Demand	482,086	215,015	71,673	286,685	0	0	0	0	1,055,459	
Commodity		489,522	218,332	72,778	291,107	0	0	0	0	1,071,739		
NFGSC - ESS	Storage Rental	Demand	518,480	518,480	794,085	794,085	794,085	794,085	794,085	794,085	5,801,470	
		Capacity	439,506	439,506	654,881	654,881	654,881	654,881	654,881	654,881	4,808,298	
		Injection	0	0	0	0	9,816	42,535	39,263	42,535	134,149	
	Injection	Withdrawal	32,647	73,697	52,977	65,438	0	0	0	0	224,759	
		Demand	0	0	0	0	(629,942)	(2,729,743)	(2,519,763)	(2,729,743)	(8,609,191)	
		Commodity	0	0	0	0	(639,658)	(2,771,848)	(2,558,629)	(2,771,848)	(8,741,983)	
	Withdrawal	Demand	1,757,825	3,968,101	3,399,905	4,199,605	0	0	0	0	13,325,436	
		Commodity	1,784,939	4,029,308	3,452,347	4,264,382	0	0	0	0	13,530,976	
	NFGSC - FSS	Storage Rental	Demand	28,303	28,303	43,404	43,404	43,404	43,404	43,404	43,404	317,030
			Capacity	9,580	9,580	14,260	14,260	14,260	14,260	14,260	14,260	104,720
Injection			0	0	0	0	991	0	2,529	519	4,039	
Injection		Withdrawal	2,981	2,084	1,676	0	0	0	0	0	6,741	
		Demand	0	0	0	0	(66,076)	0	(168,663)	(34,649)	(269,388)	
		Commodity	0	0	0	0	(67,096)	0	(171,264)	(35,184)	(273,544)	
Withdrawal		Demand	167,260	116,904	111,822	0	0	0	0	0	395,986	
		Commodity	169,840	118,708	113,546	0	0	0	0	0	402,094	
NFGSC - FSS (Net)		Storage Rental	Demand	37,150	37,150	56,972	56,972	56,972	56,972	56,972	56,972	416,132
			Capacity	31,196	31,196	31,196	31,196	31,196	31,196	31,196	31,196	249,568
	Injection		0	0	0	0	2,720	3,771	3,245	3,540	13,276	
	Injection	Withdrawal	0	12,507	4,548	6,179	0	0	0	0	23,234	
		Demand	0	0	0	0	(152,593)	(211,541)	(182,066)	(198,618)	(744,818)	
		Commodity	0	0	0	0	(154,947)	(214,804)	(184,874)	(201,682)	(756,307)	
	Withdrawal	Demand	0	701,681	255,151	346,647	0	0	0	0	1,303,479	
		Commodity	0	712,504	259,087	351,994	0	0	0	0	1,323,585	
	Total Cost			\$6,223,576	\$11,501,857	\$9,657,253	\$11,676,565	(\$191,753)	(\$4,490,245)	(\$4,377,339)	(\$4,586,372)	\$25,413,542
	Summary	Storage Rental	Demand	\$1,145,141	\$1,145,141	\$1,675,724	\$1,675,724	\$1,675,724	\$1,675,724	\$1,675,724	\$1,675,724	\$12,344,626
Commodity			\$38,530	\$89,582	\$59,632	\$73,343	\$13,726	\$47,440	\$46,256	\$47,886	\$416,395	
Storage Transp.		Demand	\$185,091	\$185,091	\$185,091	\$185,091	\$92,550	\$92,550	\$92,550	\$92,550	\$1,110,564	
		Commodity	\$3,342	\$1,490	\$497	\$1,987	\$55	\$1,082	\$1,163	\$1,233	\$10,849	
Gas Cost		Demand	\$2,407,171	\$5,001,701	\$3,838,551	\$4,832,937	(\$979,351)	(\$3,129,386)	(\$3,072,818)	(\$3,177,377)	\$5,721,428	
		Commodity	\$2,444,301	\$5,078,852	\$3,897,758	\$4,907,483	(\$994,457)	(\$3,177,655)	(\$3,120,214)	(\$3,226,388)	\$5,809,680	
Total Cost			\$6,223,576	\$11,501,857	\$9,657,253	\$11,676,565	(\$191,753)	(\$4,490,245)	(\$4,377,339)	(\$4,586,372)	\$25,413,542	

National Fuel Gas Distribution Corporation
 Pennsylvania Division - 1307(f) 2024
 Summary of Storage Cost

Storage Cost (\$)			Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Jul-25	Total	
Col. - FSS	Storage Rental	Demand	51,991	51,991	51,991	51,991	51,991	51,991	51,991	51,991	51,991	51,991	51,991	51,991	623,892	
		Capacity	28,935	28,935	28,935	28,935	28,935	28,935	28,935	28,935	28,935	28,935	28,935	28,935	28,935	347,220
	Injection	Demand	1,142	1,198	749	0	0	0	0	0	0	940	1,134	1,219	964	7,346
		Withdrawal	0	0	0	626	484	2,343	1,726	1,553	0	0	0	0	0	6,732
	Storage Transp.	Demand	92,550	92,550	185,091	185,091	185,091	185,091	185,091	185,091	185,091	92,550	92,550	92,550	92,550	1,665,846
		Injection	1,224	1,143	715	0	0	0	0	0	0	897	1,082	1,163	920	7,144
	Injection	Withdrawal	0	0	0	901	376	2,697	1,987	1,788	0	0	0	0	0	7,749
		Demand	(91,787)	(198,706)	(139,616)	0	0	0	0	0	0	(178,129)	(211,305)	(227,284)	(179,036)	(1,225,863)
	Withdrawal	Commodity	(93,214)	(201,795)	(164,259)	0	0	0	0	0	0	(209,569)	(248,602)	(267,401)	(210,637)	(1,395,477)
		Demand	0	0	0	116,717	90,281	437,102	322,050	289,847	0	0	0	0	0	1,255,997
NFGSC - ESS	Storage Rental	Commodity	0	0	0	137,318	106,215	514,252	378,893	341,006	0	0	0	0	1,477,684	
		Demand	794,085	794,085	794,085	794,085	794,085	794,085	794,085	794,085	794,085	794,085	794,085	794,085	794,085	9,529,020
Injection	Capacity	654,881	654,881	654,881	654,881	654,881	654,881	654,881	654,881	654,881	654,881	654,881	654,881	654,881	7,858,572	
	Injection	39,263	42,535	39,263	0	0	0	0	0	0	0	43,024	39,715	43,024	246,824	
Injection	Withdrawal	0	0	0	29,405	36,405	66,191	49,644	62,882	0	0	0	0	0	244,527	
	Demand	(2,519,465)	(2,729,421)	(2,830,593)	0	0	0	0	0	0	0	(3,101,777)	(2,863,179)	(3,101,777)	(17,146,212)	
Withdrawal	Commodity	(2,558,629)	(2,771,848)	(3,330,203)	0	0	0	0	0	0	0	(3,649,252)	(3,368,541)	(3,649,252)	(19,327,725)	
	Demand	0	0	0	2,119,877	2,624,581	4,771,962	3,578,974	4,533,364	0	0	0	0	0	17,628,758	
NFGSC - FSS	Storage Rental	Commodity	0	0	0	2,494,043	3,087,829	5,614,231	4,210,676	5,333,519	0	0	0	0	20,740,298	
		Demand	43,404	43,404	43,404	43,404	43,404	43,404	43,404	43,404	43,404	43,404	43,404	43,404	520,848	
Injection	Capacity	14,260	14,260	14,260	14,260	14,260	14,260	14,260	14,260	14,260	14,260	14,260	14,260	14,260	171,120	
	Injection	0	610	1,295	0	0	0	0	0	0	0	941	2,465	23	5,334	
Injection	Withdrawal	0	0	0	1,143	381	1,524	2,286	0	0	0	0	0	0	5,334	
	Demand	0	(40,658)	(97,067)	0	0	0	0	0	0	0	(70,502)	(184,732)	(1,707)	(394,666)	
Withdrawal	Commodity	0	(41,290)	(114,199)	0	0	0	0	0	0	0	(82,946)	(217,338)	(2,009)	(457,782)	
	Demand	0	0	0	85,647	28,549	114,196	171,294	0	0	0	0	0	0	399,686	
NFGSC - FSS (New)	Storage Rental	Commodity	0	0	0	100,764	33,588	134,352	201,528	0	0	0	0	0	470,232	
		Demand	56,972	56,972	56,972	56,972	56,972	56,972	56,972	56,972	56,972	56,972	56,972	56,972	683,664	
Injection	Capacity	31,196	31,196	31,196	31,196	31,196	31,196	31,196	31,196	31,196	31,196	31,196	31,196	31,196	374,352	
	Injection	3,540	885	0	0	0	0	0	0	1,180	3,540	3,245	3,540	15,930		
Injection	Withdrawal	0	0	0	0	0	5,901	5,901	4,130	0	0	0	0	0	15,932	
	Demand	(198,595)	(49,648)	0	0	0	0	0	0	0	(74,373)	(223,119)	(204,525)	(223,119)	(973,379)	
Withdrawal	Commodity	(201,682)	(50,420)	0	0	0	0	0	0	0	(87,500)	(262,500)	(240,624)	(262,500)	(1,105,226)	
	Demand	0	0	0	0	0	371,865	371,865	260,304	0	0	0	0	0	1,004,034	
Summary	Storage Rental	Commodity	0	0	0	0	0	437,500	437,500	306,249	0	0	0	0	1,181,249	
		Demand	1,675,724	1,675,724	1,675,724	1,675,724	1,675,724	1,675,724	1,675,724	1,675,724	1,675,724	1,675,724	1,675,724	1,675,724	20,108,688	
Storage Transp.	Capacity	14,260	14,260	14,260	14,260	14,260	14,260	14,260	14,260	14,260	14,260	14,260	14,260	14,260	171,120	
	Injection	0	610	1,295	0	0	0	0	0	0	0	941	2,465	23	5,334	
Gas Cost	Demand	Commodity	\$92,550	\$92,550	\$185,091	\$185,091	\$185,091	\$185,091	\$185,091	\$185,091	\$92,550	\$92,550	\$92,550	\$92,550	\$1,665,846	
		Demand	\$1,224	\$1,143	\$715	\$901	\$376	\$2,697	\$1,987	\$1,788	\$897	\$1,082	\$1,163	\$920	\$14,893	
Total Cost	Commodity	Demand	(\$2,809,847)	(\$3,018,433)	(\$3,067,276)	\$2,322,241	\$2,743,411	\$5,695,125	\$4,444,183	\$5,083,515	(\$252,502)	(\$3,606,703)	(\$3,479,720)	(\$3,505,639)	\$548,355	
		Commodity	(\$2,853,525)	(\$3,065,353)	(\$3,608,661)	\$2,732,125	\$3,227,632	\$6,700,335	\$5,228,597	\$5,980,774	(\$297,069)	(\$4,243,300)	(\$4,093,904)	(\$4,124,398)	\$1,583,253	
Total Cost			(3,849,929)	(4,269,141)	(4,773,100)	6,947,256	7,869,504	14,334,931	11,595,139	12,995,457	1,221,720	(6,032,008)	(5,757,543)	(5,813,292)	24,468,994	

National Fuel Gas Distribution Corporation
 Pennsylvania Division - 1307(f) 2024
 Unit Storage Gas Cost (\$/Dt)
 For the Twelve Months Ending September 2024

	Oct-23*	Nov-23*	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Total
Unit Storage Demand Gas Cost (\$/Dt)													
Upstream Purchased Gas Cost	\$2,462,681	\$2,470,796	\$2,628,125	\$2,615,935	\$3,919,008	\$3,905,996	\$3,724,153	\$3,711,963	\$3,724,153	\$3,718,070	\$3,736,344	\$3,748,534	\$40,365,757
Appalachian Gas Cost	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Local Production Gas Cost	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Storage Rental & Transp. Cost	\$1,066,510	\$1,069,129	\$1,330,232	\$1,330,232	\$1,860,815	\$1,860,815	\$1,768,274	\$1,768,274	\$1,768,274	\$1,768,274	\$1,768,274	\$1,768,274	\$19,127,377
Total Demand Cost	\$3,529,190	\$3,539,926	\$3,958,357	\$3,946,167	\$5,779,823	\$5,766,811	\$5,492,427	\$5,480,237	\$5,492,427	\$5,486,344	\$5,504,618	\$5,516,808	\$59,493,134
Less: Offsystem Sales Purchase	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Net Demand Cost	\$3,529,190	\$3,539,926	\$3,958,357	\$3,946,167	\$5,779,823	\$5,766,811	\$5,492,427	\$5,480,237	\$5,492,427	\$5,486,344	\$5,504,618	\$5,516,808	\$59,493,134
Total Receipt Volume (Dt)	2,214,916	1,507,679	2,318,398	2,495,511	2,331,920	1,416,886	2,289,419	2,466,556	1,687,904	1,682,573	1,585,771	1,620,053	23,617,586
Less: Total Shrinkage (Dt)	32,622	22,902	26,806	25,372	22,164	17,727	18,254	13,432	7,315	7,056	7,051	6,938	207,639
Less: Offsystem Sales Purchase	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Volume (Dt)	2,182,294	1,484,777	2,291,592	2,470,139	2,309,756	1,399,159	2,271,165	2,453,124	1,680,589	1,675,517	1,578,720	1,613,115	23,409,947
Unit Storage Demand Gas Cost													\$2.5414
Unit Storage Commodity Gas Cost (\$/Dt)													
Upstream Purchased Gas Cost	\$3,462,610	\$2,726,518	\$7,081,010	\$8,140,983	\$7,444,763	\$4,155,849	\$5,768,632	\$5,933,786	\$3,792,713	\$3,955,470	\$3,830,179	\$3,278,951	\$59,571,467
Appalachian Gas Cost	\$0	\$0	\$22,129	\$23,631	\$20,921	\$19,920	\$17,061	\$17,440	\$17,184	\$19,123	\$20,364	\$19,093	\$196,866
Local Production Gas Cost	\$23,464	\$29,131	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$52,596
Storage Rental & Transp. Cost	\$47,484	\$29,021	\$41,872	\$91,072	\$60,129	\$75,330	\$13,781	\$48,522	\$47,419	\$49,119	\$45,169	\$46,371	\$595,290
Total Commodity Cost	\$3,533,559	\$2,784,671	\$7,145,011	\$8,255,686	\$7,525,813	\$4,251,099	\$5,799,474	\$5,999,748	\$3,857,316	\$4,023,712	\$3,895,712	\$3,344,415	\$60,416,218
Less: Offsystem Sales Purchase	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Net Commodity Cost	\$3,533,559	\$2,784,671	\$7,145,011	\$8,255,686	\$7,525,813	\$4,251,099	\$5,799,474	\$5,999,748	\$3,857,316	\$4,023,712	\$3,895,712	\$3,344,415	\$60,416,218
Total Receipt Volume (Dt)	2,214,916	1,507,679	2,318,398	2,495,511	2,331,920	1,416,886	2,289,419	2,466,556	1,687,904	1,682,573	1,585,771	1,620,053	23,617,586
Less: Total Shrinkage (Dt)	32,622	22,902	26,806	25,372	22,164	17,727	18,254	13,432	7,315	7,056	7,051	6,938	207,639
Less: Offsystem Sales Purchase	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Volume (Dt)	2,182,294	1,484,777	2,291,592	2,470,139	2,309,756	1,399,159	2,271,165	2,453,124	1,680,589	1,675,517	1,578,720	1,613,115	23,409,947
Unit Storage Commodity Gas Cost (\$/Dt)													\$2.5806

* per Books.

National Fuel Gas Distribution Corporation
 Pennsylvania Division - 1307(f) 2024
 Unit Storage Gas Cost (\$/Dt)
 For the Twelve Months Ending September 2025

	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Total
Unit Storage Demand Gas Cost (\$/Dt)													
Upstream Purchased Gas Cost	\$3,736,344	\$3,718,070	\$3,669,307	\$3,699,772	\$3,693,688	\$3,681,497	\$3,711,963	\$3,699,772	\$3,711,963	\$3,711,963	\$3,730,236	\$3,742,427	\$44,507,002
Appalachian Gas Cost	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Local Production Gas Cost	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Storage Rental & Transp. Cost	\$1,860,815	\$1,860,815	\$1,860,815	\$1,860,815	\$1,860,815	\$1,860,815	\$1,768,274	\$1,768,274	\$1,768,274	\$1,768,274	\$1,768,274	\$1,768,274	\$21,774,534
Total Demand Cost	\$5,597,159	\$5,578,885	\$5,530,122	\$5,560,587	\$5,554,503	\$5,542,312	\$5,480,237	\$5,468,046	\$5,480,237	\$5,480,237	\$5,498,510	\$5,510,701	\$66,281,536
Less: Offsystem Sales Purchase	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Net Demand Cost	\$5,597,159	\$5,578,885	\$5,530,122	\$5,560,587	\$5,554,503	\$5,542,312	\$5,480,237	\$5,468,046	\$5,480,237	\$5,480,237	\$5,498,510	\$5,510,701	\$66,281,536
Total Receipt Volume (Dt)	1,620,053	2,254,016	1,358,720	2,320,986	2,498,611	2,312,158	1,560,858	2,072,825	2,530,033	1,657,058	1,662,929	1,551,395	23,399,642
Less: Total Shrinkage (Dt)	13,153	15,050	22,403	27,416	24,676	18,568	19,685	13,500	7,340	7,077	7,077	6,962	182,907
Less: Offsystem Sales Purchase	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Volume (Dt)	1,606,900	2,238,966	1,336,317	2,293,570	2,473,935	2,293,590	1,541,173	2,059,325	2,522,693	1,649,981	1,655,852	1,544,433	23,216,735
Unit Storage Demand Gas Cost													\$2.8549
Unit Storage Commodity Gas Cost (\$/Dt)													
Upstream Purchased Gas Cost	\$4,403,036	\$3,673,829	\$8,105,623	\$10,282,215	\$9,490,216	\$5,948,466	\$6,771,897	\$7,874,372	\$5,127,201	\$5,515,349	\$5,122,542	\$4,786,702	\$77,101,447
Appalachian Gas Cost	\$20,074	\$23,009	\$27,488	\$31,597	\$27,820	\$27,759	\$23,675	\$24,528	\$25,436	\$28,230	\$28,700	\$28,449	\$316,765
Local Production Gas Cost	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Storage Rental & Transp. Cost	\$42,022	\$32,075	\$37,646	\$78,656	\$61,544	\$70,353	\$3,017	\$49,721	\$47,807	\$48,471	\$44,341	\$46,860	\$562,513
Total Commodity Cost	\$4,465,132	\$3,728,913	\$8,170,757	\$10,392,468	\$9,579,580	\$6,046,578	\$6,798,589	\$7,948,621	\$5,200,444	\$5,592,050	\$5,195,583	\$4,862,011	\$77,980,725
Less: Offsystem Sales Purchase	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Net Commodity Cost	\$4,465,132	\$3,728,913	\$8,170,757	\$10,392,468	\$9,579,580	\$6,046,578	\$6,798,589	\$7,948,621	\$5,200,444	\$5,592,050	\$5,195,583	\$4,862,011	\$77,980,725
Total Receipt Volume (Dt)	1,620,053	2,254,016	1,358,720	2,320,986	2,498,611	2,312,158	1,560,858	2,072,825	2,530,033	1,657,058	1,662,929	1,551,395	23,399,642
Less: Total Shrinkage (Dt)	13,153	15,050	22,403	27,416	24,676	18,568	19,685	13,500	7,340	7,077	7,077	6,962	182,907
Less: Offsystem Sales Purchase	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Volume (Dt)	1,606,900	2,238,966	1,336,317	2,293,570	2,473,935	2,293,590	1,541,173	2,059,325	2,522,693	1,649,981	1,655,852	1,544,433	23,216,735
Unit Storage Commodity Gas Cost (\$/Dt)													\$3.3588

National Fuel Gas Distribution Corporation
 Pennsylvania Division - 1307(f) 2024
 Summary of Appalachian & Local Production Cost

Revenue Month	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24
<u>NFGSC</u>												
Appalachian - PA (Dt)	9,052	9,052	8,468	9,052	8,760	9,052	8,760	9,052	9,052	8,760	9,052	8,760
Appalachian - PA (Mcf)	8,613	8,613	8,057	8,613	8,335	8,613	8,335	8,613	8,613	8,335	8,613	8,335
Amount (\$)	\$22,129	\$23,631	\$20,921	\$19,920	\$17,061	\$17,440	\$17,184	\$19,123	\$20,364	\$19,093	\$20,074	\$23,009
EFT Shrinkage (Dt)	74	74	69	74	72	74	72	74	74	72	74	72
EFT Shrinkage (Mcf)	71	71	66	71	68	71	68	71	71	68	71	68
<u>NFGDC</u>												
Appalachian - PA (Dt)	8,978	8,978	8,399	8,978	8,688	8,978	8,688	8,978	8,978	8,688	8,978	8,688
Appalachian - PA (Mcf)	8,542	8,542	7,991	8,542	8,267	8,542	8,267	8,542	8,542	8,267	8,542	8,267
Amount (\$)	\$22,129	\$23,631	\$20,921	\$19,920	\$17,061	\$17,440	\$17,184	\$19,123	\$20,364	\$19,093	\$20,074	\$23,009
<u>NFGDC</u>												
Local Production - PA (Dt)	0	0	0	0	0	0	0	0	0	0	0	0
Local Production - PA (Mcf)	0	0	0	0	0	0	0	0	0	0	0	0
Amount (\$)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<u>NFGDC</u>												
Total PA (Dt)	8,978	8,978	8,399	8,978	8,688	8,978	8,688	8,978	8,978	8,688	8,978	8,688
Total PA (Mcf)	8,542	8,542	7,991	8,542	8,267	8,542	8,267	8,542	8,542	8,267	8,542	8,267
Total Amount (\$)	\$22,129	\$23,631	\$20,921	\$19,920	\$17,061	\$17,440	\$17,184	\$19,123	\$20,364	\$19,093	\$20,074	\$23,009

National Fuel Gas Distribution Corporation
 Pennsylvania Division - 1307(f) 2024
 Summary of Appalachian & Local Production Cost

Revenue Month	Dec-24	Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25
<u>NFGSC</u>												
Appalachian - PA (Dt)	9,052	9,052	8,176	9,052	8,760	9,052	8,760	9,052	9,052	8,760	9,052	9,052
Appalachian - PA (Mcf)	8,613	8,613	7,779	8,613	8,335	8,613	8,335	8,613	8,613	8,335	8,613	8,613
Amount (\$)	\$27,488	\$31,597	\$27,820	\$27,759	\$23,675	\$24,528	\$25,436	\$28,230	\$28,700	\$28,449	\$29,524	\$31,968
EFT Shrinkage (Dt)	74	74	67	74	72	74	72	74	74	72	74	74
EFT Shrinkage (Mcf)	71	71	64	71	68	71	68	71	71	68	71	71
<u>NFGDC</u>												
Appalachian - PA (Dt)	8,978	8,978	8,109	8,978	8,688	8,978	8,688	8,978	8,978	8,688	8,978	8,978
Appalachian - PA (Mcf)	8,542	8,542	7,715	8,542	8,267	8,542	8,267	8,542	8,542	8,267	8,542	8,542
Amount (\$)	\$27,488	\$31,597	\$27,820	\$27,759	\$23,675	\$24,528	\$25,436	\$28,230	\$28,700	\$28,449	\$29,524	\$31,968
<u>NFGDC</u>												
Local Production - PA (Dt)	0	0	0	0	0	0	0	0	0	0	0	0
Local Production - PA (Mcf)	0	0	0	0	0	0	0	0	0	0	0	0
Amount (\$)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<u>NFGDC</u>												
Total PA (Dt)	8,978	8,978	8,109	8,978	8,688	8,978	8,688	8,978	8,978	8,688	8,978	8,978
Total PA (Mcf)	8,542	8,542	7,715	8,542	8,267	8,542	8,267	8,542	8,542	8,267	8,542	8,542
Total Amount (\$)	\$27,488	\$31,597	\$27,820	\$27,759	\$23,675	\$24,528	\$25,436	\$28,230	\$28,700	\$28,449	\$29,524	\$31,968

National Fuel Gas Distribution Corporation
 Pennsylvania Division - 1307(f) 2024
 Pricing of Appalachian & Local Production - Dt

Revenue Month	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24
Appalachian - PA (Dt)	9,052	9,052	8,468	9,052	8,760	9,052	8,760	9,052	9,052	8,760	9,052	8,760
Vol. @ Production Rate 1	9,052	9,052	8,468	9,052	8,760	9,052	8,760	9,052	9,052	8,760	9,052	8,760
Supply Production Rate 1	\$2.4446	\$2.6106	\$2.4706	\$2.2006	\$1.9476	\$1.9266	\$1.9616	\$2.1126	\$2.2496	\$2.1796	\$2.2176	\$2.6266
<u>Amount</u>												
@ Production Rate 1	\$22,129	\$23,631	\$20,921	\$19,920	\$17,061	\$17,440	\$17,184	\$19,123	\$20,364	\$19,093	\$20,074	\$23,009
Total Appalachian	\$22,129	\$23,631	\$20,921	\$19,920	\$17,061	\$17,440	\$17,184	\$19,123	\$20,364	\$19,093	\$20,074	\$23,009

Revenue Month	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24
Local Production - PA (Dt)	0	0	0	0	0	0	0	0	0	0	0	0
Vol. @ Production Rate 1	0	0	0	0	0	0	0	0	0	0	0	0
Distribution Production Rate 1	\$2.207	\$2.373	\$2.233	\$1.963	\$1.710	\$1.689	\$1.724	\$1.875	\$2.012	\$1.942	\$1.980	\$2.389
<u>Amount</u>												
@ Production Rate 1	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

National Fuel Gas Distribution Corporation
 Pennsylvania Division - 1307(f) 2024
 Pricing of Appalachian & Local Production

Revenue Month	Dec-24	Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25
Appalachian - PA (Dt)	9,052	9,052	8,176	9,052	8,760	9,052	8,760	9,052	9,052	8,760	9,052	9,052
Vol. @ Production Rate 1	9,052	9,052	8,176	9,052	8,760	9,052	8,760	9,052	9,052	8,760	9,052	9,052
Supply Production Rate 1	\$3.0366	\$3.4906	\$3.4026	\$3.0666	\$2.7026	\$2.7096	\$2.9036	\$3.1186	\$3.1706	\$3.2476	\$3.2616	\$3.5316
Amount @ Production Rate 1	\$27,488	\$31,597	\$27,820	\$27,759	\$23,675	\$24,528	\$25,436	\$28,230	\$28,700	\$28,449	\$29,524	\$31,968
Total Appalachian	\$27,488	\$31,597	\$27,820	\$27,759	\$23,675	\$24,528	\$25,436	\$28,230	\$28,700	\$28,449	\$29,524	\$31,968

Revenue Month	Dec-24	Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25
Local Production - PA (Dt)	0	0	0	0	0	0	0	0	0	0	0	0
Vol. @ Production Rate 1	0	0	0	0	0	0	0	0	0	0	0	0
Distribution Production Rate 1	\$2.7989	\$3.2529	\$3.1649	\$2.8289	\$2.4649	\$2.4719	\$2.6659	\$2.8809	\$2.9329	\$3.0099	\$3.0239	\$3.2939
Amount @ Production Rate 1	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
@ Production Rate 2	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

National Fuel Gas Distribution Corporation
1307(f) 2024 Filing
Upstream Pipeline Rates

Pipeline	Service	Component	12/1/2023	1/1/2024	2/1/2024	3/1/2024	4/1/2024	5/1/2024	6/1/2024	7/1/2024	8/1/2024	9/1/2024	10/1/2024	
Columbia	FTS	Reservation	1,748	1,748	1,748	1,748	1,748	1,748	1,748	1,748	1,748	1,748	1,748	
		Reservation Rate	\$10.1690	\$10.1690	\$10.1690	\$10.1690	\$10.1690	\$10.1690	\$10.1690	\$10.1690	\$10.1690	\$10.1690	\$10.1690	\$10.1690
		Commodity - base	\$0.0132	\$0.0132	\$0.0132	\$0.0132	\$0.0132	\$0.0132	\$0.0132	\$0.0132	\$0.0132	\$0.0132	\$0.0132	\$0.0132
		Commodity - ACA	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014
		Commodity - Total	\$0.0146	\$0.0146	\$0.0146	\$0.0146	\$0.0146	\$0.0146	\$0.0146	\$0.0146	\$0.0146	\$0.0146	\$0.0146	\$0.0146
		Fuel Retention	2.132%	2.132%	2.132%	2.132%	2.132%	2.132%	2.132%	2.132%	2.132%	2.132%	2.132%	2.132%
	SST	Reservation	18,417	18,417	18,417	18,417	9,209	9,209	9,209	9,209	9,209	9,209	9,209	18,417
		Reservation Rate	\$10.0500	\$10.0500	\$10.0500	\$10.0500	\$10.0500	\$10.0500	\$10.0500	\$10.0500	\$10.0500	\$10.0500	\$10.0500	\$10.0500
		Inj. Commodity-base	\$0.0132	\$0.0132	\$0.0132	\$0.0132	\$0.0132	\$0.0132	\$0.0132	\$0.0132	\$0.0132	\$0.0132	\$0.0132	\$0.0132
		Inj. Commodity-ACA	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014
		Inj. Commodity-Total	\$0.0146	\$0.0146	\$0.0146	\$0.0146	\$0.0146	\$0.0146	\$0.0146	\$0.0146	\$0.0146	\$0.0146	\$0.0146	\$0.0146
		Withdr. Commodity	\$0.0180	\$0.0180	\$0.0180	\$0.0180	\$0.0180	\$0.0180	\$0.0180	\$0.0180	\$0.0180	\$0.0180	\$0.0180	\$0.0180
	Fuel Retention	2.132%	2.132%	2.132%	2.132%	2.132%	2.132%	2.132%	2.132%	2.132%	2.132%	2.132%	2.132%	
	FSS	Reservation	18,417	18,417	18,417	18,417	18,417	18,417	18,417	18,417	18,417	18,417	18,417	18,417
		Capacity	564,031	564,031	564,031	564,031	564,031	564,031	564,031	564,031	564,031	564,031	564,031	564,031
		Reservation Rate	\$2.8230	\$2.8230	\$2.8230	\$2.8230	\$2.8230	\$2.8230	\$2.8230	\$2.8230	\$2.8230	\$2.8230	\$2.8230	\$2.8230
		Capacity Rate	\$0.0513	\$0.0513	\$0.0513	\$0.0513	\$0.0513	\$0.0513	\$0.0513	\$0.0513	\$0.0513	\$0.0513	\$0.0513	\$0.0513
		Injection Rate	\$0.0153	\$0.0153	\$0.0153	\$0.0153	\$0.0153	\$0.0153	\$0.0153	\$0.0153	\$0.0153	\$0.0153	\$0.0153	\$0.0153
		Withdrawal Rate	\$0.0153	\$0.0153	\$0.0153	\$0.0153	\$0.0153	\$0.0153	\$0.0153	\$0.0153	\$0.0153	\$0.0153	\$0.0153	\$0.0153
Fuel Retention		0.41%	0.41%	0.41%	0.41%	0.41%	0.41%	0.41%	0.41%	0.41%	0.41%	0.41%	0.41%	

Notes: (latest rates)

1. V1 - FTS Rates - Version 85.0.0 updated
2. V8 - SST Rates - Version 85.0.0 updated
3. V9 - FSS Rates - Version 10.0.0
4. V17 - Retainage Rates - Version 16.0.0

National Fuel Gas Distribution Corporation
1307(f) 2024 Filing
Upstream Pipeline Rates

Pipeline	Service	Component	11/1/2024	12/1/2024	1/1/2025	2/1/2025	3/1/2025	4/1/2025	5/1/2025	6/1/2025	7/1/2025	8/1/2025	9/1/2025	10/1/2025	
Columbia	FTS	Reservation	1,748	1,748	1,748	1,748	1,748	1,748	1,748	1,748	1,748	1,748	1,748	1,748	
		Reservation Rate	\$10.1690	\$10.1690	\$10.1690	\$10.1690	\$10.1690	\$10.1690	\$10.1690	\$10.1690	\$10.1690	\$10.1690	\$10.1690	\$10.1690	\$10.1690
		Commodity - base	\$0.0132	\$0.0132	\$0.0132	\$0.0132	\$0.0132	\$0.0132	\$0.0132	\$0.0132	\$0.0132	\$0.0132	\$0.0132	\$0.0132	\$0.0132
		Commodity - ACA	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014
		Commodity - Total	\$0.0146	\$0.0146	\$0.0146	\$0.0146	\$0.0146	\$0.0146	\$0.0146	\$0.0146	\$0.0146	\$0.0146	\$0.0146	\$0.0146	\$0.0146
		Fuel Retention	2.132%	2.132%	2.132%	2.132%	2.132%	2.132%	2.132%	2.132%	2.132%	2.132%	2.132%	2.132%	2.132%
	SST	Reservation	18,417	18,417	18,417	18,417	18,417	9,209	9,209	9,209	9,209	9,209	9,209	9,209	18,417
		Reservation Rate	\$10.0500	\$10.0500	\$10.0500	\$10.0500	\$10.0500	\$10.0500	\$10.0500	\$10.0500	\$10.0500	\$10.0500	\$10.0500	\$10.0500	\$10.0500
		Inj. Commodity-base	\$0.0132	\$0.0132	\$0.0132	\$0.0132	\$0.0132	\$0.0132	\$0.0132	\$0.0132	\$0.0132	\$0.0132	\$0.0132	\$0.0132	\$0.0132
		Inj. Commodity-ACA	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014
		Inj. Commodity-Total	\$0.0146	\$0.0146	\$0.0146	\$0.0146	\$0.0146	\$0.0146	\$0.0146	\$0.0146	\$0.0146	\$0.0146	\$0.0146	\$0.0146	\$0.0146
		Withdr. Commodity	\$0.0180	\$0.0180	\$0.0180	\$0.0180	\$0.0180	\$0.0180	\$0.0180	\$0.0180	\$0.0180	\$0.0180	\$0.0180	\$0.0180	\$0.0180
	Fuel Retention	2.132%	2.132%	2.132%	2.132%	2.132%	2.132%	2.132%	2.132%	2.132%	2.132%	2.132%	2.132%	2.132%	
	FSS	Reservation	18,417	18,417	18,417	18,417	18,417	18,417	18,417	18,417	18,417	18,417	18,417	18,417	18,417
		Capacity	564,031	564,031	564,031	564,031	564,031	564,031	564,031	564,031	564,031	564,031	564,031	564,031	564,031
Reservation Rate		\$2.8230	\$2.8230	\$2.8230	\$2.8230	\$2.8230	\$2.8230	\$2.8230	\$2.8230	\$2.8230	\$2.8230	\$2.8230	\$2.8230	\$2.8230	
Capacity Rate		\$0.0513	\$0.0513	\$0.0513	\$0.0513	\$0.0513	\$0.0513	\$0.0513	\$0.0513	\$0.0513	\$0.0513	\$0.0513	\$0.0513	\$0.0513	
Injection Rate		\$0.0153	\$0.0153	\$0.0153	\$0.0153	\$0.0153	\$0.0153	\$0.0153	\$0.0153	\$0.0153	\$0.0153	\$0.0153	\$0.0153	\$0.0153	
Withdrawal Rate		\$0.0153	\$0.0153	\$0.0153	\$0.0153	\$0.0153	\$0.0153	\$0.0153	\$0.0153	\$0.0153	\$0.0153	\$0.0153	\$0.0153	\$0.0153	
Fuel Retention		0.41%	0.41%	0.41%	0.41%	0.41%	0.41%	0.41%	0.41%	0.41%	0.41%	0.41%	0.41%	0.41%	

Notes: (latest rates)

1. V1 - FTS Rates - Version 85.0.0 updated
2. V8 - SST Rates - Version 85.0.0 updated
3. V9 - FSS Rates - Version 10.0.0
4. V17 - Retainage Rates - Version 16.0.0

National Fuel Gas Distribution Corporation
1307(f) 2024 Filing
Upstream Pipeline Rates

Pipeline	Service	Component	12/1/2023	1/1/2024	2/1/2024	3/1/2024	4/1/2024	5/1/2024	6/1/2024	7/1/2024	8/1/2024	9/1/2024	10/1/2024	
Texas Eastern	FT-1	Demand (STX)	0	0	0	0	0	0	0	0	0	0	0	
		Demand (WLA)	0	0	0	0	0	0	0	0	0	0	0	
	Reservation Volumes	Demand (ELA)	0	0	0	0	0	0	0	0	0	0	0	
		Demand (ETX)	0	0	0	0	0	0	0	0	0	0	0	
		Demand (M1 - M2)	0	0	0	0	0	0	0	0	0	0	0	
		Demand (M2 - M2)	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	
FT-1 Reservation Rates	Demand (STX)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	
	Demand (WLA)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	
	Demand (ELA)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	
	Demand (ETX)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	
	Demand (M1 - M2)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	
	Demand (M2 - M2)	\$6.4600	\$6.4600	\$6.4600	\$6.4600	\$6.4600	\$6.4600	\$6.4600	\$6.4600	\$6.4600	\$6.4600	\$6.4600	\$6.4600	
Commodity Base	STX-M2 WLA-M2 ELA-M2 ETX-M2 M1-M2 M2-M2 ACA	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	
		\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	
		\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	
		\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	
		\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	
		\$0.0481	\$0.0481	\$0.0481	\$0.0481	\$0.0481	\$0.0481	\$0.0481	\$0.0481	\$0.0481	\$0.0481	\$0.0481	\$0.0481	\$0.0481
		\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014
Commodity Total	STX-M2 WLA-M2 ELA-M2 ETX-M2 M1-M2 M2-M2	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	
		\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	
		\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	
		\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	
		\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	
		\$0.0495	\$0.0495	\$0.0495	\$0.0495	\$0.0495	\$0.0495	\$0.0495	\$0.0495	\$0.0495	\$0.0495	\$0.0495	\$0.0495	\$0.0495
		\$0.0495	\$0.0495	\$0.0495	\$0.0495	\$0.0495	\$0.0495	\$0.0495	\$0.0495	\$0.0495	\$0.0495	\$0.0495	\$0.0495	\$0.0495
Shrinkage	STX-M2 WLA-M2 ELA-M2 ETX-M2 M1-M2 M2-M2	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
		0.46%	0.46%	0.46%	0.46%	0.46%	0.33%	0.33%	0.33%	0.33%	0.33%	0.33%	0.33%	
		0.46%	0.46%	0.46%	0.46%	0.46%	0.33%	0.33%	0.33%	0.33%	0.33%	0.33%	0.33%	

Notes: (latest rates)

1. Part 4 Statements of Rates - 2. Rate Sch. FT-1 - Version 117.0 Page 1
2. Part 4 Statements of Rates - 2. Rate Sch. FT-1 - Version 117.0 Page 2
3. Part 4 Statements of Rates - 16. Percentages for Applicable Shrinkage - Version 20.0 Page 3
4. Part 4 Statements of Rates - 16. Percentages for Applicable Shrinkage - Version 20.0 Page 5

National Fuel Gas Distribution Corporation
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Upstream Pipeline Rates

Pipeline	Service	Component	11/1/2024	12/1/2024	1/1/2025	2/1/2025	3/1/2025	4/1/2025	5/1/2025	6/1/2025	7/1/2025	8/1/2025	9/1/2025	10/1/2025	
Texas Eastern	FT-1	Demand (STX)	0	0	0	0	0	0	0	0	0	0	0	0	
		Demand (WLA)	0	0	0	0	0	0	0	0	0	0	0	0	
	Reservation Volumes	Demand (ELA)	0	0	0	0	0	0	0	0	0	0	0	0	
		Demand (ETX)	0	0	0	0	0	0	0	0	0	0	0	0	
		Demand (M1 - M2)	0	0	0	0	0	0	0	0	0	0	0	0	
		Demand (M2 - M2)	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	
		FT-1	Demand (STX)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
		Reservation	Demand (WLA)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
	Rates	Demand (ELA)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	
		Demand (ETX)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	
Demand (M1 - M2)		\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000		
Demand (M2 - M2)		\$6.4600	\$6.4600	\$6.4600	\$6.4600	\$6.4600	\$6.4600	\$6.4600	\$6.4600	\$6.4600	\$6.4600	\$6.4600	\$6.4600		
Commodity Base	STX-M2	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000		
	WLA-M2	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000		
	ELA-M2	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000		
	ETX-M2	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000		
	M1-M2	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000		
	M2-M2	\$0.0481	\$0.0481	\$0.0481	\$0.0481	\$0.0481	\$0.0481	\$0.0481	\$0.0481	\$0.0481	\$0.0481	\$0.0481	\$0.0481		
	ACA	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014		
Commodity Total	STX-M2	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000		
	WLA-M2	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000		
	ELA-M2	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000		
	ETX-M2	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000		
	M1-M2	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000		
	M2-M2	\$0.0495	\$0.0495	\$0.0495	\$0.0495	\$0.0495	\$0.0495	\$0.0495	\$0.0495	\$0.0495	\$0.0495	\$0.0495	\$0.0495		
Shrinkage	STX-M2	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
	WLA-M2	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
	ELA-M2	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
	ETX-M2	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
	M1-M2	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
	M2-M2	0.33%	0.46%	0.46%	0.46%	0.46%	0.46%	0.46%	0.46%	0.46%	0.46%	0.46%	0.46%		

Notes: (latest rates)

1. Part 4 Statements of Rates - 2. Rate Sch. FT-1
2. Part 4 Statements of Rates - 2. Rate Sch. FT-1
3. Part 4 Statements of Rates - 16. Percentages for
4. Part 4 Statements of Rates - 16. Percentages for

National Fuel Gas Distribution Corporation
1307(f) 2024 Filing
Upstream Pipeline Rates

Pipeline	Service	Component	12/1/2023	1/1/2024	2/1/2024	3/1/2024	4/1/2024	5/1/2024	6/1/2024	7/1/2024	8/1/2024	9/1/2024	10/1/2024
Tennessee													
FTA-4 (0-4)	Reservation		11,147	11,147	11,147	11,147	0	0	0	0	0	0	0
	Reservation Rate		\$14.8017	\$14.8017	\$14.8017	\$14.8017	\$14.8017	\$14.8017	\$14.8017	\$14.8017	\$14.8017	\$14.8017	\$14.8017
	Commodity-base		\$0.2279	\$0.2279	\$0.2279	\$0.2279	\$0.2279	\$0.2279	\$0.2279	\$0.2279	\$0.2279	\$0.2279	\$0.2279
	Commodity-ACA		\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014
	Commodity-EPCR		<u>\$0.0307</u>										
	Commodity-Total		\$0.2600	\$0.2600	\$0.2600	\$0.2600	\$0.2600	\$0.2600	\$0.2600	\$0.2600	\$0.2600	\$0.2600	\$0.2600
	Fuel Retention		4.14%	4.14%	4.14%	4.14%	4.14%	4.14%	4.14%	4.14%	4.14%	4.14%	4.14%
FTA-4 (1-4)	Reservation		6,353	6,353	6,353	6,353	8,750	8,750	8,750	8,750	8,750	8,750	8,750
	Reservation Rate		\$12.6232	\$12.6232	\$12.6232	\$12.6232	\$12.6232	\$12.6232	\$12.6232	\$12.6232	\$12.6232	\$12.6232	\$12.6232
	Commodity-base		\$0.1941	\$0.1941	\$0.1941	\$0.1941	\$0.1941	\$0.1941	\$0.1941	\$0.1941	\$0.1941	\$0.1941	\$0.1941
	Commodity-ACA		\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014
	Commodity-EPCR		<u>\$0.0257</u>										
	Commodity-Total		\$0.2212	\$0.2212	\$0.2212	\$0.2212	\$0.2212	\$0.2212	\$0.2212	\$0.2212	\$0.2212	\$0.2212	\$0.2212
	Fuel Retention		3.39%	3.39%	3.39%	3.39%	3.39%	3.39%	3.39%	3.39%	3.39%	3.39%	3.39%
FTA-4 (4-4)	Reservation		56,500	56,500	56,500	56,500	65,250	65,250	65,250	65,250	65,250	65,250	65,250
	Reservation Rate		\$4.5022	\$4.5022	\$4.5022	\$4.5022	\$4.5022	\$4.5022	\$4.5022	\$4.5022	\$4.5022	\$4.5022	\$4.5022
	Commodity-base		\$0.0403	\$0.0403	\$0.0403	\$0.0403	\$0.0403	\$0.0403	\$0.0403	\$0.0403	\$0.0403	\$0.0403	\$0.0403
	Commodity-ACA		\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014
	Commodity-EPCR		<u>\$0.0032</u>										
	Commodity-Total		\$0.0449	\$0.0449	\$0.0449	\$0.0449	\$0.0449	\$0.0449	\$0.0449	\$0.0449	\$0.0449	\$0.0449	\$0.0449
	Fuel Retention		0.58%	0.58%	0.58%	0.58%	0.58%	0.58%	0.58%	0.58%	0.58%	0.58%	0.58%

Notes:

1. Twenty Second Revised Sheet No.14
2. Twenty Fourth Revised Sheet No. 15
3. Twenty Second Revised Sheet No. 23
4. Twenty Fourth Revised Sheet No. 24

National Fuel Gas Distribution Corporation
1307(f) 2024 Filing
Upstream Pipeline Rates

Pipeline	Service	Component	11/1/2024	12/1/2024	1/1/2025	2/1/2025	3/1/2025	4/1/2025	5/1/2025	6/1/2025	7/1/2025	8/1/2025	9/1/2025	10/1/2025
Tennessee														
FTA-4 (0-4)	Reservation		0	0	0	0	0	0	0	0	0	0	0	0
	Reservation Rate		\$14.8017	\$14.8017	\$14.8017	\$14.8017	\$14.8017	\$14.8017	\$14.8017	\$14.8017	\$14.8017	\$14.8017	\$14.8017	\$14.8017
	Commodity-base		\$0.2279	\$0.2279	\$0.2279	\$0.2279	\$0.2279	\$0.2279	\$0.2279	\$0.2279	\$0.2279	\$0.2279	\$0.2279	\$0.2279
	Commodity-ACA		\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014
	Commodity-EPCR		<u>\$0.0307</u>											
	Commodity-Total		<u>\$0.2600</u>											
	Fuel Retention		4.14%	4.14%	4.14%	4.14%	4.14%	4.14%	4.14%	4.14%	4.14%	4.14%	4.14%	4.14%
FTA-4 (1-4)	Reservation		8,750	8,750	8,750	8,750	8,750	8,750	8,750	8,750	8,750	8,750	8,750	8,750
	Reservation Rate		\$12.6232	\$12.6232	\$12.6232	\$12.6232	\$12.6232	\$12.6232	\$12.6232	\$12.6232	\$12.6232	\$12.6232	\$12.6232	\$12.6232
	Commodity-base		\$0.1941	\$0.1941	\$0.1941	\$0.1941	\$0.1941	\$0.1941	\$0.1941	\$0.1941	\$0.1941	\$0.1941	\$0.1941	\$0.1941
	Commodity-ACA		\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014
	Commodity-EPCR		<u>\$0.0257</u>											
	Commodity-Total		<u>\$0.2212</u>											
	Fuel Retention		3.39%	3.39%	3.39%	3.39%	3.39%	3.39%	3.39%	3.39%	3.39%	3.39%	3.39%	3.39%
FTA-4 (4-4)	Reservation		65,250	65,250	65,250	65,250	65,250	65,250	65,250	65,250	65,250	65,250	65,250	65,250
	Reservation Rate		\$4.5022	\$4.5022	\$4.5022	\$4.5022	\$4.5022	\$4.5022	\$4.5022	\$4.5022	\$4.5022	\$4.5022	\$4.5022	\$4.5022
	Commodity-base		\$0.0403	\$0.0403	\$0.0403	\$0.0403	\$0.0403	\$0.0403	\$0.0403	\$0.0403	\$0.0403	\$0.0403	\$0.0403	\$0.0403
	Commodity-ACA		\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014	\$0.0014
	Commodity-EPCR		<u>\$0.0032</u>											
	Commodity-Total		<u>\$0.0449</u>											
	Fuel Retention		0.58%	0.58%	0.58%	0.58%	0.58%	0.58%	0.58%	0.58%	0.58%	0.58%	0.58%	0.58%

Notes:

1. Twenty Second Revised Sheet No.14
2. Twenty Fourth Revised Sheet No. 15
3. Twenty Second Revised Sheet No. 23
4. Twenty Fourth Revised Sheet No. 24

National Fuel Gas Distribution Corporation
 1307(f) 2024 Filing
 Upstream Pipeline Rates exclusive of GSR & Stranded Cost

Pipeline	Service	Component	12/1/2023	1/1/2024	2/1/2024	3/1/2024	4/1/2024	5/1/2024	6/1/2024	7/1/2024	8/1/2024	9/1/2024	10/1/2024		
NFGSC	EFT	Reservation	314,778	314,778	314,778	314,778	314,778	314,778	314,778	314,778	314,778	314,778	314,778		
		Reservation Rate	\$5.1512	\$5.1512	\$8.9534	\$8.9534	\$8.9534	\$8.9534	\$8.9534	\$8.9534	\$8.9534	\$8.9534	\$8.9534	\$8.9534	
		Commodity-base	\$0.0148	\$0.0148	\$0.0223	\$0.0223	\$0.0223	\$0.0223	\$0.0223	\$0.0223	\$0.0223	\$0.0223	\$0.0223	\$0.0223	
		Commodity-ACA	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	
		Commodity-Total	\$0.0162	\$0.0162	\$0.0237	\$0.0237	\$0.0237	\$0.0237	\$0.0237	\$0.0237	\$0.0237	\$0.0237	\$0.0237	\$0.0237	
		Fuel Retention-base	0.72%	0.72%	0.72%	0.72%	0.72%	0.72%	0.72%	0.72%	0.72%	0.72%	0.72%	0.72%	
		Fuel Retention-LAUF	<u>0.10%</u>	<u>0.10%</u>	<u>0.10%</u>	<u>0.10%</u>	<u>0.10%</u>	<u>0.10%</u>	<u>0.10%</u>	<u>0.10%</u>	<u>0.10%</u>	<u>0.10%</u>	<u>0.10%</u>	<u>0.10%</u>	
		Fuel Retention-total	0.82%	0.82%	0.82%	0.82%	0.82%	0.82%	0.82%	0.82%	0.82%	0.82%	0.82%	0.82%	
		FT		Reservation	31,000	31,000	31,000	31,000	31,000	31,000	31,000	31,000	31,000	31,000	31,000
				Reservation Rate	\$5.0076	\$5.0076	\$8.6827	\$8.6827	\$8.6827	\$8.6827	\$8.6827	\$8.6827	\$8.6827	\$8.6827	\$8.6827
Commodity-base	\$0.0140			\$0.0140	\$0.0068	\$0.0068	\$0.0068	\$0.0068	\$0.0068	\$0.0068	\$0.0068	\$0.0068	\$0.0068	\$0.0068	
Commodity-ACA	<u>\$0.0014</u>			<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	
Commodity-Total	\$0.0154			\$0.0154	\$0.0082	\$0.0082	\$0.0082	\$0.0082	\$0.0082	\$0.0082	\$0.0082	\$0.0082	\$0.0082	\$0.0082	
Fuel Retention-base	0.72%			0.72%	0.72%	0.72%	0.72%	0.72%	0.72%	0.72%	0.72%	0.72%	0.72%	0.72%	
Fuel Retention-LAUF	<u>0.10%</u>			<u>0.10%</u>	<u>0.10%</u>	<u>0.10%</u>	<u>0.10%</u>	<u>0.10%</u>	<u>0.10%</u>	<u>0.10%</u>	<u>0.10%</u>	<u>0.10%</u>	<u>0.10%</u>	<u>0.10%</u>	
Fuel Retention-total	0.82%			0.82%	0.82%	0.82%	0.82%	0.82%	0.82%	0.82%	0.82%	0.82%	0.82%	0.82%	
FG				Reservation	5,352	5,352	5,352	5,352	5,352	5,352	5,352	5,352	5,352	5,352	5,352
				Reservation Rate	<small>Exh23Sch3SH9</small> \$0.0439	<small>Exh23Sch3SH9</small> \$0.0439	<small>Exh23Sch3SH9</small> \$0.0223	<small>Exh23Sch3SH9</small> \$0.0223							
		Commodity-base	\$0.0148	\$0.0148	\$0.0223	\$0.0223	\$0.0223	\$0.0223	\$0.0223	\$0.0223	\$0.0223	\$0.0223	\$0.0223	\$0.0223	
		Commodity-ACA	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	
		Commodity-Total	\$0.0162	\$0.0162	\$0.0237	\$0.0237	\$0.0237	\$0.0237	\$0.0237	\$0.0237	\$0.0237	\$0.0237	\$0.0237	\$0.0237	
		Fuel Retention-base	0.72%	0.72%	0.72%	0.72%	0.72%	0.72%	0.72%	0.72%	0.72%	0.72%	0.72%	0.72%	
		Fuel Retention-LAUF	<u>0.10%</u>	<u>0.10%</u>	<u>0.10%</u>	<u>0.10%</u>	<u>0.10%</u>	<u>0.10%</u>	<u>0.10%</u>	<u>0.10%</u>	<u>0.10%</u>	<u>0.10%</u>	<u>0.10%</u>	<u>0.10%</u>	
		Fuel Retention-total	0.82%	0.82%	0.82%	0.82%	0.82%	0.82%	0.82%	0.82%	0.82%	0.82%	0.82%	0.82%	
		ESS		Reservation	187,563	187,563	187,563	187,563	187,563	187,563	187,563	187,563	187,563	187,563	187,563
				Capacity	8,755,100	8,755,100	8,755,100	8,755,100	8,755,100	8,755,100	8,755,100	8,755,100	8,755,100	8,755,100	8,755,100
Reservation Rate	\$2.7643			\$2.7643	\$4.2337	\$4.2337	\$4.2337	\$4.2337	\$4.2337	\$4.2337	\$4.2337	\$4.2337	\$4.2337	\$4.2337	
Capacity Rate	\$0.0502			\$0.0502	\$0.0748	\$0.0748	\$0.0748	\$0.0748	\$0.0748	\$0.0748	\$0.0748	\$0.0748	\$0.0748	\$0.0748	
Injection Rate-base	\$0.0458			\$0.0458	\$0.0382	\$0.0382	\$0.0382	\$0.0382	\$0.0382	\$0.0382	\$0.0382	\$0.0382	\$0.0382	\$0.0382	
Injection Rate-ACA	<u>\$0.0014</u>			<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	
Injection Rate-Total	\$0.0472			\$0.0472	\$0.0396	\$0.0396	\$0.0396	\$0.0396	\$0.0396	\$0.0396	\$0.0396	\$0.0396	\$0.0396	\$0.0396	
Withdrawal Rate-base	\$0.0458			\$0.0458	\$0.0382	\$0.0382	\$0.0382	\$0.0382	\$0.0382	\$0.0382	\$0.0382	\$0.0382	\$0.0382	\$0.0382	
Withdrawal Rate-ACA	<u>\$0.0014</u>			<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	
Withdrawal Rate-Total	\$0.0472			\$0.0472	\$0.0396	\$0.0396	\$0.0396	\$0.0396	\$0.0396	\$0.0396	\$0.0396	\$0.0396	\$0.0396	\$0.0396	
Fuel Retention-LAUF	0.46%	0.46%	0.46%	0.46%	0.46%	0.46%	0.46%	0.46%	0.46%	0.46%	0.46%	0.46%			
FSS	Reservation (19-day)	Capacity	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000		
		Reservation Rate	\$2.6536	\$2.6536	\$4.0694	\$4.0694	\$4.0694	\$4.0694	\$4.0694	\$4.0694	\$4.0694	\$4.0694	\$4.0694	\$4.0694	
		Capacity Rate	\$0.0479	\$0.0479	\$0.0713	\$0.0713	\$0.0713	\$0.0713	\$0.0713	\$0.0713	\$0.0713	\$0.0713	\$0.0713		
		Injection Rate-base	\$0.0439	\$0.0439	\$0.0367	\$0.0367	\$0.0367	\$0.0367	\$0.0367	\$0.0367	\$0.0367	\$0.0367	\$0.0367		
		Injection Rate-ACA	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>		
		Injection Rate-Total	\$0.0453	\$0.0453	\$0.0381	\$0.0381	\$0.0381	\$0.0381	\$0.0381	\$0.0381	\$0.0381	\$0.0381	\$0.0381		
		Withdrawal Rate-base	\$0.0439	\$0.0439	\$0.0367	\$0.0367	\$0.0367	\$0.0367	\$0.0367	\$0.0367	\$0.0367	\$0.0367	\$0.0367		
		Withdrawal Rate-ACA	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>		
		Withdrawal Rate-Total	\$0.0453	\$0.0453	\$0.0381	\$0.0381	\$0.0381	\$0.0381	\$0.0381	\$0.0381	\$0.0381	\$0.0381	\$0.0381		
		Fuel Retention-LAUF	0.46%	0.46%	0.46%	0.46%	0.46%	0.46%	0.46%	0.46%	0.46%	0.46%	0.46%		
FSS	Reservation (63-day)	Capacity	14,000	14,000	14,000	14,000	14,000	14,000	14,000	14,000	14,000	14,000	14,000		
		Reservation Rate	\$2.6536	\$2.6536	\$4.0694	\$4.0694	\$4.0694	\$4.0694	\$4.0694	\$4.0694	\$4.0694	\$4.0694	\$4.0694		
		Capacity Rate	\$0.0479	\$0.0479	\$0.0713	\$0.0713	\$0.0713	\$0.0713	\$0.0713	\$0.0713	\$0.0713	\$0.0713			
		Injection Rate-base	\$0.0439	\$0.0439	\$0.0367	\$0.0367	\$0.0367	\$0.0367	\$0.0367	\$0.0367	\$0.0367	\$0.0367			
		Injection Rate-ACA	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>			
		Injection Rate-Total	\$0.0453	\$0.0453	\$0.0381	\$0.0381	\$0.0381	\$0.0381	\$0.0381	\$0.0381	\$0.0381	\$0.0381			
		Withdrawal Rate-base	\$0.0439	\$0.0439	\$0.0367	\$0.0367	\$0.0367	\$0.0367	\$0.0367	\$0.0367	\$0.0367	\$0.0367			
		Withdrawal Rate-ACA	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>	<u>\$0.0014</u>			
		Withdrawal Rate-Total	\$0.0453	\$0.0453	\$0.0381	\$0.0381	\$0.0381	\$0.0381	\$0.0381	\$0.0381	\$0.0381	\$0.0381			
		Fuel Retention-LAUF	0.46%	0.46%	0.46%	0.46%	0.46%	0.46%	0.46%	0.46%	0.46%	0.46%			
FST (Discount)		Reservation	14,000	14,000	14,000	14,000	14,000	14,000	14,000	14,000	14,000	14,000			
		Capacity	651,274	651,274	651,274	651,274	651,274	651,274	651,274	651,274	651,274	651,274			
		Reservation Rate	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000			

- Notes:
 1. Part 4 - Applicable Rates, Section 4.010 Transportation Rates - Version 39.0.0 - Updated 11/20/23
 2. Part 4 - Applicable Rates, Section 4.020 Storage Rates - Version 32.0, Page 1 - Updated 11/20/23
 3. Part 4 - Applicable Rates, Section 4.040 Gathering Rates - Version 35.0.0

National Fuel Gas Distribution Corporation
 Pennsylvania Division
 Calculation of Firm Gathering Rate
 \$/Dth
 1307(f) 2024 Filing

Exhibit 23
 Schedule 3
 Page 9

Historical	Actual NYMEX ^(A)	Columbia Apalachian	Difference	%
	(1)	(2)	(3 = 2 - 1)	(4 = 3 / 1)
December 2022	\$6.3290	\$5.8900	(0.439)	0.9306
January 2023	\$6.0120	\$3.9600	(2.052)	0.6587
February	\$3.6110	\$2.4800	(1.131)	0.6868
March	\$2.4250	\$2.0800	(0.345)	0.8577
April	\$2.4580	\$1.7200	(0.738)	0.6998
May	\$2.1740	\$1.7700	(0.404)	0.8142
June	\$2.3070	\$1.5300	(0.777)	0.6632
July	\$2.4310	\$1.5900	(0.841)	0.6541
August	\$2.6480	\$1.3500	(1.298)	0.5098
September	\$2.6320	\$1.0800	(1.552)	0.4103
October	\$2.6820	\$1.3800	(1.302)	0.5145
November 2023	\$3.1010	\$1.9500	(1.151)	0.6288

Forecast	Projected NYMEX ^(B)	Forecasted Index Price	FG rate ^(C)
	(5)	(6 = 4 x 5)	(7)
December 2023			\$28.0379
January 2024	3.7180	2.45	25.7602
February	3.6480	2.51	25.7602
March	3.3510	2.87	23.4824
April	3.1300	2.19	28.0379
May	3.1480	2.56	25.7602
June	3.2550	2.16	28.0379
July	3.3680	2.20	26.9013
August	3.3980	1.73	30.3157
September	3.3770	1.39	32.5935
October	3.4520	1.78	30.3157
November	3.8080	2.39	26.9013
December	4.2510	3.96	17.7901
January 2025	4.5190	2.98	23.4824
February	4.4150	3.03	22.3457
March	4.0430	3.47	20.0679
April	3.6440	2.55	25.7602
May	3.6300	2.96	23.4824
June	3.7500	2.49	25.7602
July	3.8750	2.53	25.7602
August	3.9110	1.99	29.1746
September	3.8810	1.59	31.4524
October	3.9490	2.03	28.0379
November	4.2700	2.68	24.6235

(A) NYMEX Actual

(B) PGC Exhibit 25

(C) From FG Index Price table Part 4 - Applicable Rates, Section 4.040 Gathering Rates - Version 35.0

1 transportation customers cause Distribution to incur
2 costs associated with storage and transportation
3 service contracted by Distribution with National Fuel
4 Gas Supply Corporation ("Supply"). Such costs have
5 been recovered from transportation customers through a
6 number of services offered to transportation customers
7 including: (1) Monthly Metered Transportation ("MMT")
8 charges, (2) overdelivery charges for Daily Metered
9 Transportation ("DMT") customers, (3) sales service to
10 MMT and DMT customers, and (4) the release of firm
11 capacity on Supply to transportation customers.

12 The allocation of purchased gas costs to
13 transportation customers, as well as the design of
14 transportation rates, are explained in greater detail
15 below.

16 B) Purchased Gas Costs Associated
17 with Transportation Service
18

19 Purchased gas costs associated with
20 transportation service relate to the costs incurred by
21 Distribution in order to support the differences
22 between what transportation customers use on a daily
23 basis and what the transportation customers deliver to
24 Distribution's system on a daily basis.

25 In the previous 1307(f) proceedings

1 addressing the issue, the Commission recognized that
2 the Federal Energy Regulatory Commission's ("FERC")
3 Order 636 imposed additional costs on Distribution in
4 order to provide MMT and DMT transportation services.
5 Distribution determined the level of additional costs
6 after a review of Distribution's design peak day
7 requirements and supply sources. The term "design
8 peak day" refers to the practice that is standard in
9 the natural gas industry under which pipeline
10 capacity, storage capacity and natural gas supply
11 planning are based upon customers' requirements on the
12 coldest winter day reasonably expected to be
13 experienced. For this proceeding, Distribution has
14 updated this review for the design peak day
15 requirements forecasted during the twelve months
16 ending July 2025. This updated review has lead to the
17 conclusion that Distribution requires that 157,902
18 Mcf of gas be delivered into its system to meet MMT
19 and DMT transportation service customers' design peak
20 day (at 74 heating degree days) requirements, but only
21 122,156 Mcf are delivered on that day. This
22 difference, 35,746 Mcf (157,902 Mcf less 122,156 Mcf),
23 must come from somewhere. In fact, this difference is

1 made up by increased withdrawals of gas from Supply's
2 storage facilities, in excess of volumes required for
3 sales service customers. This conclusion is
4 inescapable irrespective of whether the transportation
5 service customer moves gas supplies only on
6 Distribution's system or whether it moves gas supplies
7 on both Distribution's system and Supply's system.
8 Based on the foregoing, in order for Distribution's
9 rates to be fair to all customers, Distribution must
10 recover from transportation service customers costs
11 associated with use of Supply's storage facilities,
12 including costs for injection and withdrawal of gas
13 into and from storage, storage capacity costs, storage
14 deliverability costs and shrinkage.

15 In designing an appropriate form of
16 transportation rate which will include a provision for
17 recovery of costs associated with use of Supply's
18 storage and deliverability capacity to meet design
19 peak day requirements of transportation service
20 customers, realities of measurement of customer's gas
21 use and gas delivered to Distribution for customer's
22 accounts must be recognized. Presently, it is
23 impossible to determine the extent to which all

1 transportation customers individually place demands on
2 Supply's storage capacity. In order to make such
3 determination for an individual transportation service
4 customer, it would be necessary to have daily metering
5 facilities both at the premises where the customer
6 receives service from Distribution and at the point of
7 delivery of the customer's gas supplies to
8 Distribution for transportation to the customer. Only
9 by having daily data concerning amounts delivered to
10 Distribution for the customer's account and amounts
11 used by the customer could the actual shortfall, which
12 must be made up on peak day utilizing Supply's storage
13 services, be quantified.

14 Installation of such metering facilities,
15 together with communication facilities to transmit
16 daily metering information to Distribution for
17 analysis, for all transportation service customers
18 would be exceedingly expensive, since Distribution
19 presently has approximately 3,800 MMT and DMT
20 transportation service customers in Pennsylvania and
21 receives gas supplies for customers' accounts at
22 hundreds of points of delivery.

23 The total purchased gas costs associated

1 with transportation customer imbalances are provided
2 on PGC Exhibit No.24A. Tables I through V on PGC
3 Exhibit No.24A present the calculation of purchased
4 gas costs associated with transportation customer
5 imbalances. Purchased gas costs associated with
6 transportation imbalances can be segregated into two
7 general components: (1) costs associated with storage
8 requirements (Tables I through IV), and (2)
9 transportation costs associated with moving such gas
10 from storage (Table V).

11 The storage costs associated with
12 transportation customer imbalances (Tables I through
13 IV) were calculated using Supply's Enhanced Storage
14 Service ("ESS") rates. Four rate components are
15 included in Supply's ESS Rate Schedule: (1)
16 deliverability, (2) capacity, (3) injection and
17 withdrawal, and (4) shrinkage.

18 The deliverability cost component is
19 summarized in Table I of PGC Exhibit No.24A. The
20 storage deliverability requirement in Table I of
21 29,589 Mcf is equal to the MMT design peak day
22 deficiency of 27,010 Mcf calculated in PGC Exhibit No.
23 26-B, plus a local production amount of 1,932 Mcf

1 which is a balancing requirement for monthly metered
2 local production deliveries that MMNGS customers rely
3 on during a winter period, plus an amount of 647 Mcf
4 of allocated contingency capacity. Contingency
5 capacity assures reliability in the event a marketer
6 fails to deliver its required supplies, as well as to
7 protect the sales customers should there be a capacity
8 or supplier failure, or should the system experience
9 load requirements that exceed current peak day
10 projections. The total deliverability requirement is
11 29,589 Mcf (27,010 Mcf + 1,932 Mcf + 647 Mcf).

12 The design peak day deficiency requirements
13 of DMT customers are excluded from the MMT storage
14 deliverability calculation, because, in a previous
15 Distribution 1307(f) proceeding (R-953487), the
16 Commission modified the DMT service so that, during
17 critical supply situations, a DMT customer's access to
18 overdelivered gas supplies is extremely limited. In
19 effect, a DMT customer's access to peak day storage
20 deliverability is interruptible. Since such access is
21 interruptible, it is not appropriate to allocate such
22 costs to transportation customers.

23 Table II of PGC Exhibit No.24A calculates

1 the ESS capacity costs associated with total
2 overdeliveries of transportation customers. The
3 capacity charged to transportation customers is equal
4 to the average monthly balancing storage inventories
5 the 12 months ended July 2023.

6 The storage injection and withdrawal costs
7 associated with balancing transportation customers'
8 usage and deliveries are provided in Table III of PGC
9 Exhibit No.24A.

10 Supply's ESS rate is also subject to a
11 shrinkage factor of 0.92%. The cost of shrinkage for
12 storage services related to transportation customers
13 is the average storage capacity reserved for
14 transportation service multiplied by the shrinkage
15 factor times Distribution's average commodity cost of
16 purchased gas. Table IV of PGC Exhibit No.24A shows
17 the shrinkage cost calculation.

18 In addition to storage service, it is
19 necessary for such gas to be moved from storage
20 fields. In order to move gas from ESS storage,
21 Enhanced Firm Transportation ("EFT") is required also.
22 Supply's ESS service does not include the associated
23 costs of transportation service. Table V of PGC

1 Exhibit No.24A summarizes costs of Supply's EFT
2 capacity which must be used by Distribution in order
3 to move gas from storage to meet monthly metered
4 transportation customers' design peak day deficiency
5 requirements.

6 The total purchased gas costs associated
7 with transportation customer imbalances is the sum of
8 the costs identified on Tables I through V of PGC
9 Exhibit No.24A.

10 C) MMT Rate Proposed By Distribution

11 The unit MMT rate resulting from the costs
12 incurred to support transportation imbalances is
13 \$0.5792/Mcf ($\$0.5792/\text{Mcf} = \$5,048,613$ divided by
14 $8,716,345$ Mcf). The current MMT rate is \$0.37/Mcf.
15 The Company is proposing an increase to the rate to
16 \$0.58/Mcf.

17 D) Charges for Transportation

18 Overdeliveries and Underdeliveries for
19 Daily Metered Transportation Customers
20

21 Distribution established its DMT rate
22 schedule in the first 1307(f) proceeding affected by
23 Order 636. Distribution implemented substantial
24 changes to its banking/balancing services for
25 transportation customers in that proceeding. These

1 changes were due to the fact that, following Supply's
2 restructuring proceeding under FERC Order 636,
3 Distribution in fact provided banking/balancing
4 service by use of Supply's storage facilities and
5 upstream pipeline capacity - not by changes in levels
6 of gas purchases from Supply at different times.
7 Following restructuring, Distribution scheduled
8 deliveries of gas to it and for its account into
9 storage. All differences between the volume of gas
10 scheduled by Distribution from gas producers and the
11 volume of gas delivered to Distribution's customers,
12 including transportation imbalances, other than
13 shrinkage, will cause increases or decreases in the
14 volumes of gas injected into or withdrawn from storage
15 facilities. Therefore, banking and balancing charges
16 were based on costs incurred to provide the service,
17 primarily storage-related costs and costs of upstream
18 pipeline capacity on Supply.

19 DMT service includes a 2% tolerance level
20 for imbalance charges to recognize the potential for
21 measurement errors of the DMT customer's consumption.
22 A balancing tolerance of 2% is reasonable and should
23 be achievable by most DMT customers. Therefore, so

1 long as a customer has a banked balance which does not
2 exceed 2% of the volume of gas transported by
3 Distribution to it in the billing month, there will be
4 no additional charge for banking/balancing service.

5 If, however, the customer has an
6 overdelivery imbalance in excess of 2% of the volume
7 of gas transported to the customer by Distribution
8 during the billing month, but less than 37% of the
9 volume transported, the customer will incur an
10 additional charge. The amount of the additional
11 charge is currently \$0.6351 per Mcf. Distribution is
12 not proposing to change this rate at this time.

13 A greater charge will be applied to
14 transportation service customers using Distribution's
15 banking/balancing service when volumes in storage
16 exceed 37% of the volume of gas Distribution delivered
17 to the customer during the billing month.

18 Historically, approximately thirty-seven percent of
19 sales customers' normal winter requirements are met
20 with gas from storage. The remainder of sales
21 customers' requirements are met by gas transported on
22 upstream pipelines. Therefore, to the extent that a
23 transportation customer has banked more than 37% of

1 its requirements, it is using storage to a greater
2 degree than are sales customers. The transportation
3 customer is, therefore, preventing the use of storage
4 for sales customers and requiring the use of upstream
5 capacity. It is only fair that when a transportation
6 customer meets more than 37% of its requirements
7 through storage it should contribute to recovery of
8 the costs of upstream capacity. The additional rate
9 for use of banking/balancing service in excess of 37%
10 of volumes delivered to transportation service
11 customers during a billing month is designed to
12 provide a contribution to recovery of costs of
13 upstream pipeline capacity and to provide a further
14 incentive for transportation customers and their
15 suppliers to match customer usage with deliveries. All
16 banked volumes exceeding 37% of monthly transportation
17 deliveries are currently billed at a \$0.7624 per Mcf
18 rate. Distribution is not proposing to change this
19 rate at this time.

20 It is important to recognize that
21 Distribution did not design its charges for
22 overdeliveries to be a gas storage service.
23 Distribution has designed the overdelivery rates to

1 provide an incentive to its transportation customers
2 and their marketers to match as closely as possible a
3 customer's gas usage with the customer's
4 transportation deliveries. Distribution believes its
5 overdelivery charge achieves this incentive while at
6 the same time providing a mechanism that recovers the
7 costs of overdelivery services.

8 When a DMT customer on any day uses gas
9 supplies in excess of current deliveries and prior
10 "banked" volumes, the customer is using Distribution's
11 gas supplies for which it must, under the
12 restructuring procedures pursuant to FERC Order 636,
13 contract directly with producers or other gas
14 suppliers. When a DMT service customer is truly
15 drawing upon Distribution's gas supplies, it is only
16 fair that the customer compensate Distribution, and
17 Distribution's sales customers, for use of such gas
18 supply.

19 Therefore, in its first 1307(f) proceeding
20 affected by Order 636, Distribution proposed, and the
21 Commission accepted (with the exception of a 2% daily
22 delivery tolerance for DMT underdeliveries), that
23 transportation customer's use of Distribution's gas

1 supplies be considered a sale of gas by Distribution
2 to the customer, which cannot be eliminated by
3 subsequent overdeliveries. Distribution is not
4 proposing to change this requirement for DMT customers
5 in this proceeding.

Table I

MMT Storage Deliverability Requirement (Mcf)	29,589	
Multiplied by:		
Dth Conversion Factor	<u>1.0500</u>	
Equals:		
Storage Deliverability Requirement (Dth)	31,069	
Multiplied by:		
Monthly ESS Deliverability Charge (\$ per Dth)	<u>\$ 4.2337</u>	
Equals:		
Monthly Deliverability Cost	\$ 131,536	
Multiplied by:		
Number of Months in the Year	<u>12</u>	
Equals:		
Total Annual Deliverability Costs		\$ 1,578,434

Table II

Capacity Requirement (Mcf)	130,151	
Multiplied by:		
Dth Conversion Factor	<u>1.0500</u>	
Equals:		
Capacity Requirement (Dth)	136,659	
Multiplied by:		
Monthly ESS Capacity Charge (\$ per Dth)	<u>\$ 0.0748</u>	
Equals:		
Monthly Capacity Cost	\$ 10,222	
Multiplied by:		
Number of Months in the Year	<u>12</u>	
Equals:		
Total Annual Capacity Cost		\$ 122,665

Table III

Capacity Requirement (Mcf)	130,151	
Multiplied by:		
Dth Conversion Factor	<u>1.0500</u>	
Equals:		
Capacity Requirement (Dth)	136,659	
Multiplied by:		
ESS Injection/Withdrawal Charge (\$ per Dth)	<u>\$ 0.0396</u>	
Equals:		
Total ESS Injection/Withdrawal Charge		\$ 5,412

Table IV

Capacity Requirement (Mcf)	130,151	
Multiplied by:		
Shrinkage Factor	<u>0.92%</u>	
Equals:		
Amount of Shrinkage (Mcf)	1,197	
Multiplied by:		
Average Upstream Commodity Gas Cost (\$/Mcf)	<u>\$ 3.3764</u>	
Equals:		
Shrinkage Cost		\$ 4,043

Table V

Storage Deliverability Requirement (Mcf)	29,589	
Multiplied by:		
Dth Conversion Factor	<u>1.0500</u>	
Equals:		
Storage Deliverability Requirement (Dth)	31,069	
Multiplied by:		
Monthly EFT Reservation Charge (\$ per Dth)	<u>\$ 8.9534</u>	
Equals:		
Monthly EFT Reservation Cost	\$ 278,172	
Multiplied by:		
Number of Months in the Year	<u>12</u>	
Equals:		
Total Annual EFT Reservation Costs		<u>\$ 3,338,060</u>
Total Cost		\$ 5,048,613
MMT Volumes		8,716,345
MMT Unit Costs		<u>\$ 0.5792</u>
Current MMT Rate		<u>\$0.3700</u> effective 8/1/2023
Proposed MMT Rate		<u>\$0.5800</u>

MMT Volumes - Actual TME Consumption (Mcf)

Source: PA Revenue Report - EFACT Volumes tab. Use the "DUAL" Total

Billed Revenue Month	
Dec 22	921,910
Jan 23	1,221,302
Feb	1,157,483
Mar	1,067,072
Apr	1,056,128
May	669,731
Jun	481,045
Jul	379,666
Aug	352,471
Sep	364,813
Oct	415,660
Nov 23	629,066
	8,716,345

NATIONAL FUEL GAS DISTRIBUTION CORPORATION

Statement to show Wellhead Price Projection for December 2023 through December 2025.

Page 2 of this Exhibit provides the Wellhead Price Projection for December 2023 through December 2025.

As shown on pages 3-5, the following sources were used to calculate the Wellhead Projection Price:

1. EIA Short Term Energy Outlook for Henry Hub Spot Natural Gas Price – Page 3
 - Most recent published data for Natural Gas Variable NGHHUUS
2. NYMEX Settle and Calculated Average of Trading Days for Prompt Month – Page 4
 - November 2023 Close @ October 27, 2023
3. PIRA Price Projections at Henry Hub (PIRA is formerly known as BENTEK Energy, LLC) – Page 5
 - Most recent forecast data from S&P Global Platts PIRA North American Gas

An arithmetic average was determined from these three sources to calculate the Projected Wellhead Price.

National Fuel Gas Distribution Corporation
2024 1307(f) Filing
Wellhead Price Projection

Projected Month		Note 1	Note 2	Note 3	Projected NFG Receipt Price (\$/Dth)
		EIA Henry Hub Spot Natural Gas Price (\$/Dth) (A)	NYMEX Settle/Average (\$/Dth) (B)	PIRA Henry Hub (\$/Dth) (C)	
November	2023	\$3.190	\$3.164	\$2.800	\$3.051
December	2023	\$3.600	\$3.483	\$3.337	\$3.473
January	2024	\$3.650	\$3.718	\$3.548	\$3.639
February	2024	\$3.410	\$3.648	\$3.439	\$3.499
March	2024	\$3.220	\$3.351	\$3.115	\$3.229
April	2024	\$2.940	\$3.130	\$2.858	\$2.976
May	2024	\$2.890	\$3.148	\$2.826	\$2.955
June	2024	\$2.980	\$3.255	\$2.735	\$2.990
July	2024	\$3.190	\$3.368	\$2.865	\$3.141
August	2024	\$3.260	\$3.398	\$3.175	\$3.278
September	2024	\$3.260	\$3.377	\$2.986	\$3.208
October	2024	\$3.280	\$3.452	\$3.005	\$3.246
November	2024	\$3.390	\$3.808	\$3.767	\$3.655
December	2024	\$3.600	\$4.251	\$4.345	\$4.065
January	2025		\$4.519	\$4.519	\$4.519
February	2025		\$4.415	\$4.447	\$4.431
March	2025		\$4.043	\$4.148	\$4.095
April	2025		\$3.644	\$3.818	\$3.731
May	2025		\$3.630	\$3.845	\$3.738
June	2025		\$3.750	\$4.113	\$3.932
July	2025		\$3.875	\$4.420	\$4.147
August	2025		\$3.911	\$4.488	\$4.199
September	2025		\$3.881	\$4.670	\$4.276
October	2025		\$3.949	\$4.631	\$4.290
November	2025		\$4.270	\$4.850	\$4.560
December	2025		\$4.652	\$5.273	\$4.962
Average		<u>\$3.280</u>	<u>\$3.757</u>	<u>\$3.810</u>	<u>\$3.769</u>
August 2023-July 2024		<u>\$3.360</u>	<u>\$3.847</u>	<u>\$3.880</u>	<u>\$3.837</u>

Footnote:

1. EIA Short-Term Energy Outlook for Henry Hub Spot Natural Gas Price as of November 7, 2023
2. NYMEX Settle as of October 27, 2023
3. US Gas Short-Term Forecast projection at Henry Hub from S&P Global Platts/PIRA North American Gas (formerly known as BENTEK Energy, LLC) as of November 17, 2023

National Fuel Gas Distribution Corporation
2024 1307(f) Filing



U.S. Energy Information
Administration

SHORT-TERM ENERGY OUTLOOK

Variable	Description	Units	Data History	Data Forecast
NGHHUUS	Henry Hub Spot natural gas price	\$/MMBTU	---	EIA's Short-Term Integrated Forecasting System

Note: Data history sources refers to database supporting publication noted.
All forecasts are from the November 7, 2023 Short-Term Energy Outlook.

Date	NGHHUUS
Nov-23	3.19
Dec-23	3.60
Jan-24	3.65
Feb-24	3.41
Mar-24	3.22
Apr-24	2.94
May-24	2.89
Jun-24	2.98
Jul-24	3.19
Aug-24	3.26
Sep-24	3.26
Oct-24	3.28
Nov-24	3.39

National Fuel Gas Distribution Corporation
2024 1307(f) Filing

New York Mercantile Exchange (NYMEX)
Prompt Month = November 2023 Close @ October 27, 2023

		(\$/Dth)	
November	2023	\$3.164	Settle
December	2023	\$3.483	
January	2024	\$3.718	
February	2024	\$3.648	
March	2024	\$3.351	
April	2024	\$3.130	
May	2024	\$3.148	
June	2024	\$3.255	
July	2024	\$3.368	
August	2024	\$3.398	
September	2024	\$3.377	
October	2024	\$3.452	
November	2024	\$3.808	
December	2024	\$4.251	
January	2025	\$4.519	
February	2025	\$4.415	
March	2025	\$4.043	
April	2025	\$3.644	
May	2025	\$3.630	
June	2025	\$3.750	
July	2025	\$3.875	
August	2025	\$3.911	
September	2025	\$3.881	
October	2025	\$3.949	
November	2025	\$4.270	
December	2025	\$4.652	

National Fuel Gas Distribution Corporation
2024 1307(f) Filing

S&P Global

Platts

PIRA North American Gas

Date: 10/24/2023

**Henry Hub
(\$/MMBtu)**

Nov-23	\$2.80
Dec-23	\$3.34
Jan-24	\$3.55
Feb-24	\$3.44
Mar-24	\$3.11
Apr-24	\$2.86
May-24	\$2.83
Jun-24	\$2.73
Jul-24	\$2.86
Aug-24	\$3.18
Sep-24	\$2.99
Oct-24	\$3.00
Nov-24	\$3.77
Dec-24	\$4.34
Jan-25	\$4.52
Feb-25	\$4.45
Mar-25	\$4.15
Apr-25	\$3.82
May-25	\$3.85
Jun-25	\$4.11
Jul-25	\$4.42
Aug-25	\$4.49
Sep-25	\$4.67
Oct-25	\$4.63
Nov-25	\$4.85
Dec-25	\$5.27

National Fuel Gas Distribution Corporation
Pennsylvania Division

Extreme Peak Day

National Fuel Gas Distribution Corporation (“Distribution” or the “Company”) identifies peak day requirements for capacity planning purposes on pages 2 and 3 of this Exhibit.

With respect to page 2, Column A contains total requirements on a throughput basis in Mcf. Columns B and C contain the Monthly Metered Transportation (“MMT”) imbalance requirement in Mcf, at 52 and 22 degree days respectively. It should be noted that the MMT imbalance requirement at 22 degree days is the difference between 74 degree days and 52 degree days. Column D contains the Daily Metered Transportation (“DMT”) imbalance requirement in Mcf, which is calculated as 2% of DMT requirements.

Page 3 provides a calculation of the MMT requirements in Mcf, at 52 degree days. For heat sensitive customer classes (residential, commercial and public authority), Distribution utilizes a method of extracting a base load volume and computing a daily heating volume for 52 degree days. The daily base load volume is added to the daily heating volume to determine the base case peak day requirements at 52 degree days. Gas usage of customers in the industrial classes (i.e., Small Volume Industrial Service, Intermediate Volume Industrial Service, Large Volume Industrial Service, and Large Industrial Service) represents an average day.

National Fuel Gas Distribution Corporation
Pennsylvania Division
2025 Extreme Peak Day for Capacity Allocation
Volumes in Mcf

	(A)	(B)	(C)	(D)
	74	52	22	Daily Metered
	Degree	Degree	Degree	Transportation
	Days	Days	Days	(DMT) Imbalance
Retail Sales				
Residential	220,297			
Commercial	39,720			
Industrial - SVIS and IVIS ⁽¹⁾	2,644			
Public Authority	3,335			
Company Use	74			
Total Retail Sales	266,070			
Retail Shrinkage (0.15%)	400			
Total Retail Sales Requirements	266,470			
Transportation Service				
Small Aggregation Transportation (SATC)				
Residential	21,237			
Commercial	2,875			
Industrial - SVIS and IVIS ⁽¹⁾	294			
Public Authority	196			
Small Aggregation Transportation (SATC) Service	24,602			
Small Aggregation Transportation (SATC) Shrinkage (0.15%)	37			
Small Aggregation Transportation (SATC) Requirements	24,639			
Monthly Metered Transportation (MMT)				
Residential	1,554	1,115	439	
Commercial	43,984	31,530	12,454	
Industrial - SVIS and IVIS ⁽¹⁾	21,555	14,602	6,953	
Industrial - LVIS ⁽²⁾	2,613	2,047	566	
Industrial - LIS ⁽³⁾	1,002	1,038	-36	
Public Authority	23,292	16,697	6,595	
Monthly Metered Transportation (MMT) Service	94,000	67,029	26,971	
Monthly Metered Transportation (MMT) Shrinkage (0.15%)	141	101	40	
Monthly Metered Transportation (MMT) Requirements	94,141	67,130	27,011	
Daily Metered Transportation (DMT)				
Commercial	4,216			
Industrial - IVIS ⁽⁴⁾	7,449			
Industrial - LVIS ⁽²⁾	7,112			
Industrial - LIS ⁽³⁾	37,376			
Industrial - DMLMTS ⁽⁵⁾	6,018			
Public Authority	1,494			
Daily Metered Transportation (DMT) Service	63,665			
Daily Metered Transportation (DMT) Shrinkage (0.15%)	96			
Daily Metered Transportation (DMT) Requirements	63,761			
Daily Metered Transportation (DMT) Imbalance (2% of DMT Requirements)				1,275
Total Transportation Service	182,266			
Total Transportation Service Shrinkage (0.15%)	274			
Total Transportation Service Requirements	182,540			
Total Throughput	448,336			
Total Throughput Shrinkage (0.15%)	674			
Total Requirements	449,010			

Footnotes:

- (1) SVIS is Small Volume Industrial Service and IVIS is Intermediate Volume Industrial Service.
- (2) LVIS is Large Volume Industrial Service.
- (3) LIS is Large Industrial Service.
- (4) IVIS is Intermediate Volume Industrial Service.
- (5) DMLMTS is Daily Metered Large Manufacturing Transportation Service.

National Fuel Gas Distribution Corporation
 Pennsylvania Division
 2025 Extreme Peak Day for Capacity Allocation
 Volumes in Mcf
 Shrinkage 0.15%

BASE CASE

JANUARY NORMAL DEGREE DAYS =	1,116						2025
	Jan-25	Monthly Base Load	Monthly Heat Load	Heat Load/ Normal DD	Daily Heat Load @ 52 DD	Daily Base Load @ Normal DD	52 DEG DAYS
Transportation Service							
Monthly Metered Transportation (MMT)							
Residential	24,623	2,289	22,334	20	1,041	74	1,114
Commercial	696,581	64,755	631,827	566	29,440	2,089	31,529
Industrial - SVIS and IVIS ⁽¹⁾	452,669						14,602
Industrial - LVIS ⁽²⁾	63,460						2,047
Industrial - LIS ⁽³⁾	32,185						1,038
Public Authority	368,881	34,292	334,590	300	15,590	1,106	16,696
MMT Transportation Service	1,638,398						67,026
MMT Transportation Shrinkage	2,461						101
MMT Transportation Requirements	1,640,859						67,127

Footnotes:

- (1) SVIS is Small Volume Industrial Service and IVIS is Intermediate Volume Industrial Service.
- (2) LVIS is Large Volume Industrial Service.
- (3) LIS is Large Industrial Service.

National Fuel Gas Distribution Corporation
 Pennsylvania Division

Capacity Allocation

2025 Design Peak Day (74 DD) Citygate Requirements
 BTU factor: 1.05

Capacity:	Capacity Requirements (Mcf)	Capacity Requirements (Dth)
Distribution's Capacity Requirement		
- Retail	266,470	279,794
- Small Aggregation Transportation Customers (SATC)	24,639	25,871
- Monthly Metered Transportation (MMT) Imbalance	27,010	28,361
- Daily Metered Transportation (DMT) Imbalance (2% of DMT)	1,275	1,339
- Priority Standby Requirement	5,529	5,805
- Local Production Balancing	1,932	2,029
Total	326,855	343,199
Non-SATC Transportation Capacity Requirement		
- MMT Customers	94,141	98,848
- DMT Customers	63,761	66,949
Sub-Total	157,902	165,797
- Less Priority Standby Requirement from Distribution	(5,529)	(5,805)
- Less MMT Balancing from Distribution	(27,010)	(28,361)
- Less DMT Balancing from Distribution	(1,275)	(1,339)
- Less Local Production Balancing from Distribution	(1,932)	(2,029)
Total Non-SATC Transportation Capacity Requirement	122,156	128,263
Sub-Total Capacity Requirement	449,011	471,462
Plus:		
Contingency Capacity Requirement	7,311	7,677
Total Capacity Requirement	456,322	479,139

National Fuel Gas Distribution Corporation
 Pennsylvania Division
 Historical Loss and Unaccounted For
 Volumes in Mcf

	A				B			C			D	(12)	E		(14)	(15)	(16)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	Percent	(13)	(14)	(15)	(16)	
	Gas Received From Production Facilities	Gas Received From Interstate Pipelines	Gas Received From Other Sources	Gas Received Total	Gas Delivered To Customers	Gas Delivered To Interstate Pipeline	Gas Delivered Total	Located & Repaired Breaks in Mains/Services	Distribution Company Use	Adjustments Total	Distribution Unaccounted-For-Gas	Unaccounted-For-Gas	Unaccounted-For-Gas	Unaccounted-For-Gas	Company Use	Company Use	
Aug-23	208,976	1,484,997	6,783	1,700,756	1,737,926	0	1,737,926	235	30	264	-37,434	-2.20%	-0.62%	-0.35%	0.01%	0.02%	
Jul-23	197,424	1,397,558	6,173	1,601,155	1,580,214	0	1,580,214	373	50	422	20,519	1.28%	-0.80%	-0.34%	0.01%	0.02%	
Jun-23	206,476	1,499,433	6,477	1,712,386	1,726,124	0	1,726,124	162	226	387	-14,125	-0.82%	-0.79%	-0.36%	0.01%	0.02%	
May-23	211,957	2,191,054	8,291	2,411,302	2,491,338	0	2,491,338	178	384	561	-80,597	-3.34%	-0.84%	-0.52%	0.01%	0.02%	
Apr-23	200,506	3,175,443	7,414	3,383,363	3,463,779	0	3,463,779	155	659	813	-81,229	-2.40%	-0.93%	-0.41%	0.01%	0.02%	
Mar-23	204,627	5,493,793	11,169	5,709,589	5,753,045	0	5,753,045	2	1042	1,043	-44,499	-0.78%	-1.00%	-0.26%	0.02%	0.02%	
Feb-23	185,022	5,339,487	19,776	5,544,285	5,559,492	0	5,559,492	10	1210	1,219	-16,426	-0.30%	-1.22%	-0.31%	0.02%	0.02%	
Jan-23	211,610	5,818,905	838	6,031,353	6,122,211	0	6,122,211	3	1202	1,204	-92,062	-1.53%	-0.93%	-0.18%	0.02%	0.02%	
Dec-22	208,955	6,084,031	13,865	6,306,851	6,161,663	0	6,161,663	5	1021	1,025	144,163	2.29%	-0.48%	-0.05%	0.02%	0.02%	
Nov-22	212,684	4,211,824	10,209	4,434,717	4,318,782	0	4,318,782	81	389	469	115,466	2.60%	-0.67%	-0.08%	0.02%	0.02%	
Oct-22	237,731	2,845,360	1,405	3,084,496	3,153,301	0	3,153,301	212	262	473	-69,278	-2.25%	-0.66%	-0.19%	0.02%	0.02%	
Sep-22	226,544	1,641,459	3,219	1,871,222	1,988,332	0	1,988,332	74	26	99	-117,209	-6.26%	-0.69%	-0.20%	0.02%	0.02%	
Aug-22	226,544	1,641,459	3,219	1,871,222	1,988,332	0	1,988,332	214	28	241	-117,351	-6.27%	-0.34%	-0.13%	0.02%	0.02%	
Jul-22	215,675	1,458,382	2,866	1,676,923	1,649,823	0	1,649,823	530	34	565	26,535	1.58%	-0.39%	-0.16%	0.02%	0.02%	
Jun-22	240,081	1,533,341	4,189	1,777,611	1,816,103	0	1,816,103	283	255	538	-39,030	-2.20%	-0.40%	-0.14%	0.02%	0.02%	
May-22	250,605	2,028,053	6,660	2,285,318	2,404,088	0	2,404,088	13	445	458	-119,228	-5.22%	-0.29%	-0.29%	0.02%	0.02%	
Apr-22	233,874	3,708,949	9,912	3,952,735	4,068,787	0	4,068,787	15	929	945	-116,997	-2.96%	-0.23%	-0.12%	0.02%	0.02%	
Mar-22	222,164	5,235,081	6,587	5,463,832	5,599,055	0	5,599,055	221	1,428	1,649	-136,872	-2.51%	-0.32%	-0.14%	0.02%	0.02%	
Feb-22	201,088	6,267,195	12,811	6,481,094	6,377,309	0	6,377,309	30	1,602	1,632	102,153	1.58%	-0.16%	-0.09%	0.02%	0.02%	
Jan-22	216,014	7,837,455	7,616	8,061,085	7,957,773	0	7,957,773	5	1,475	1,480	101,832	1.26%	-0.55%	0.03%	0.02%	0.02%	
Dec-21	231,533	5,219,937	7,676	5,459,146	5,400,009	0	5,400,009	50	1,027	1,077	58,060	1.06%	-0.63%	-0.03%	0.02%	0.02%	
Nov-21	237,250	4,648,372	9,286	4,894,908	4,774,517	0	4,774,517	285	455	740	119,651	2.44%	-0.49%	-0.05%	0.02%	0.02%	
Oct-21	256,605	2,244,176	3,073	2,503,854	2,586,466	0	2,586,466	421	76	497	-83,109	-3.32%	-0.36%	-0.14%	0.02%	0.02%	
Sep-21	242,526	1,758,952	3,657	2,005,135	2,059,031	0	2,059,031	215	24	239	-54,135	-2.70%	-0.39%	-0.12%	0.02%	0.02%	
Aug-21	244,835	1,700,956	2,779	1,948,570	1,990,830	0	1,990,830	197	23	220	-42,255	-2.17%	-0.39%	-0.12%	0.02%	0.02%	
Jul-21	241,483	1,600,415	1,918	1,843,816	1,819,595	0	1,819,595	61	40	102	23,994	1.30%	-0.34%	-0.14%	0.02%	0.02%	
Jun-21	248,454	1,690,050	5,613	1,944,117	1,933,455	0	1,933,455	582	267	849	9,870	0.51%	-0.47%	-0.20%	0.02%	0.02%	
May-21	262,867	2,376,503	5,162	2,644,532	2,735,668	0	2,735,668	1,120	441	1,561	-91,832	-3.47%	-0.75%	-0.14%	0.02%	0.02%	
Apr-21	247,042	3,349,332	9,157	3,605,531	3,760,328	0	3,759,778	63	627	690	-155,810	-4.32%	-0.64%	-0.22%	0.02%	0.02%	
Mar-21	244,566	4,716,164	13,178	4,973,908	5,035,488	0	5,034,992	16	1,253	1,269	-61,994	-1.25%	-0.42%	-0.13%	0.02%	0.02%	
Feb-21	211,901	6,432,053	18,408	6,662,362	6,743,825	0	6,742,405	36	1,602	1,639	-80,482	-1.21%	-0.95%	0.04%	0.02%	0.02%	
Jan-21	238,263	6,536,338	11,059	6,785,660	6,714,262	0	6,712,257	191	1,395	1,586	73,401	1.08%	-0.43%	0.07%	0.02%	0.02%	
Dec-20	242,510	5,865,235	12,578	6,120,323	6,002,559	0	6,003,031	9	968	976	117,044	1.91%	-0.31%	0.07%	0.02%	0.02%	
Nov-20	240,814	3,738,196	-10,564	3,968,446	3,784,497	0	3,784,693	378	501	879	182,165	4.59%	-0.05%	0.01%	0.02%	0.02%	
Oct-20	261,400	2,617,859	966	2,880,225	2,977,795	0	2,977,795	704	269	974	-97,595	-3.39%	0.14%	-0.11%	0.02%	0.02%	
Sep-20	265,969	1,428,158	3,952	1,698,079	1,750,326	0	1,750,326	281	34	315	-52,325	-3.08%	-0.14%	-0.07%	0.02%	0.02%	