

Northern Natural Gas Company P.O. Box 3330 Omaha, NE 68103-0330 402 398-7200

May 1, 2024

Ms. Debbie-Anne Reese, Acting Secretary Federal Energy Regulatory Commission 888 First Street, N.E. Washington, D.C. 20426

Re: Northern Natural Gas Company Docket No. RP24-\_\_\_\_-000 Periodic Rate Adjustments for Fuel

Dear Ms. Reese:

Northern Natural Gas Company ("Northern") submits herewith for filing the Market Area fuel percentage for November 1, 2024 through March 31, 2025.

## SIXTH REVISED VOLUME NO. 1

Thirty Sixth Revised Sheet No. 54 Thirty Third Revised Sheet No. 62

Reason for Filing

This filing is being made in accordance with Section 53A of the General Terms and Conditions of Northern's Tariff which provides for Market Area fuel percentages for the Summer Season (April-October) and the Winter Season (November-March). This filing establishes the Market Area fuel percentage to be in effect for the Winter Season of November 1, 2024, through March 31, 2025, based on actual data for the Winter Season of November 1, 2023, through March 31, 2024.

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## Fuel Percentage

The proposed Market Area fuel percentage for the upcoming Winter Season is 0.84% as shown in the table below. The decrease of 0.11% from the previous Winter Season is attributable to marketplace changes for sources of gas supplies that Northern's transports on their behalf, which affected the Base fuel percentage and True-up percentage.

	Nov. 1, 2023	Nov. 1, 2024	Change
Base fuel percentage	0.94%	0.89%	-0.05%
True-up percentage	0.01%	-0.05%	-0.06%
Total	0.95%	0.84%	-0.11%

The attached Schedules 1 through 6 support the proposed derivation of the Market Area fuel percentage for the upcoming Winter Season.

Although the proposed effective date of the winter fuel percentage is November 1, 2024, Northern respectfully requests that the Commission issue an order prior to the end of June 2024. A number of shippers will be making supply arrangements for the entire Winter Season. Knowing the fuel retention percentages as far in advance of November 1 as possible will assist shippers in their planning and contracting processes.

## Waiver

Northern respectfully requests that the Commission grant any and all waivers of its Regulations, including Section 154.207, and, as noted above, Northern respectfully requests that the Commission issue an order prior to the end of June 2024 to assist shippers with their supply planning for the upcoming Winter Season.

## Posting

Northern has served an electronic copy of this filing upon its customers and interested state regulatory commissions.

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## Data Processing Requirements

Northern submits this filing through FERC's electronic tariff filing process in a FERC-approved format.

## Communication

It is respectfully requested that all Commission orders and correspondence, as well as pleadings and correspondence from other persons concerning this filing, be served upon each of the following:

Luis Valdivia Manager, Rates and Tariffs Northern Natural Gas Company 1111 South 103<sup>rd</sup> Street Omaha, NE 68124-1000 (402) 398-7393 luis.valdivia@nngco.com Britany Shotkoski Senior Attorney Northern Natural Gas Company 1111 South 103<sup>rd</sup> Street Omaha, NE 68124-1000 (402) 398-7077 britany.skotkoski@nngco.com

Respectfully submitted,

/s/ Luis Valdivia

Luis Valdivia Manager, Rates and Tariffs

Attachments

RATE SCHEDULES TF, TFX, GST, TI, & FDD

Fuel Percentages/Electric Compression Rates

	Percentages
FUEL PERCENTAGES:	1/ 2/
Market Area (including Out-of-Balance)	0.84%
Field Area	3/ 4/ 5/ 6/
UNACCOUNTED FOR PERCENTAGE (including Out-of-Balance)	0.08% 2/ 5/ 7/
FDD STORAGE FUEL	1.19%
FDD URR PERCENTAGE	0.72% 1/
Ele	ctric Compression

COMMODITY RATES:	1/ 2/
Market Area	\$0.0006
Field Area	\$0.0000

1/  $\,$  Northern will adjust its Fuel, UAF and URR percentages and electric compression commodity rates in accordance with Sections 53A and 53B, respectively, of the GENERAL TERMS AND CONDITIONS of this Tariff.

2/ There will be no Fuel, electric compression or UAF charges for transportation from the Ventura pooling point (POI 78623) to the NBPL/NNG Ventura point (POI 192) and from the Ventura pooling point (POI 78623) to the MID 17 pooling point (POI 71458). In addition, there will be no Fuel, electric compression or UAF charges for transportation as set forth in Sheet Nos. 141,142C and 147.

3/ Fuel percentages shall be determined by MIDs for the Field Area shown in Sheet Nos. 61-62.

4/ Fuel charged in the Field and Market Areas for a pooling transaction or for processing plant transactions will not exceed the Fuel charged on a unified Field-to-Market transaction having the same initial Field receipt point and ultimate Market delivery point, i.e., the total Fuel collected for transactions that go into and out of pooling points or processing plants in either the Field Area or the Market Area will be no greater than the Fuel that would be collected on the total path between the original receipt point and the ultimate delivery point, subject to the Shipper(s) providing Northern the requisite information.

5/  $\,$  Sheet No. 54A identifies the specific transportation transactions exempt from Fuel and UAF retention charges.

6/ The out-of-balance Fuel percentage for deliveries in MIDs 1-7 shall be the applicable Section 1 Transportation Fuel percentage, and for deliveries in MIDs 8-16B shall be the applicable Section 2 Transportation Fuel percentage.

7/ The UAF percentage utilizes the most recent twelve-month period ending December 31, 2023. For deliveries subject only to UAF, if the above UAF rate is negative, the UAF rate is zero; provided, however Northern will issue a volume credit on the Shipper's monthly imbalance statement equivalent to the negative UAF percentage for such deliveries during the period in which the UAF rate is less than zero.

In the event facilities have been abandoned, Northern shall have the right to file to reduce the applicable MID Fuel percentage(s) on a common basis for all transactions affected by the abandonment to reflect the reduction in use for the remainder of the PRA period. In the event such abandoned facilities (gas compressors) have been replaced with electric compressors installed after October 1, 1998, and Northern reduces the applicable MID Fuel percentages, Northern has the right to file to increase the applicable electric compression commodity rate.

# MILEAGE INDICATOR DISTRICTS FUEL PERCENTAGES DELIVERY DISTRICT

RECEIPT DISTRI	CT <u>9</u>	10	11	12	13	14	15	16A	16B	17
1 ML Fuel	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.34%	3.26%
2 ML Fuel	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.34%	3.26%
3 ML Fuel	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.34%	3.26%
4 ML Fuel	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.34%	3.26%
5 ML Fuel	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.34%	3.26%
6 ML Fuel	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.34%	3.26%
7 ML Fuel	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.34%	3.26%
7B ML Fuel	1.72%	1.72%	1.72%	1.72%	1.72%	1.72%	1.72%	1.72%	1.64%	2.56%
8 ML Fuel	1.72%	1.72%	1.72%	1.72%	1.72%	1.72%	1.72%	1.72%	1.64%	2.56%
9 ML Fuel	1.72%	1.72%	1.72%	1.72%	1.72%	1.72%	1.72%	1.72%	1.64%	2.56%
10 ML Fuel	1.72%	1.72%	1.72%	1.72%	1.72%	1.72%	1.72%	1.72%	1.64%	2.56%
11 ML Fuel	1.72%	1.72%	1.72%	1.72%	1.72%	1.72%	1.72%	1.72%	1.64%	2.56%
12 ML Fuel	1.72%	1.72%	1.72%	0.08%	1.72%	0.08%	1.72%	1.72%	1.64%	2.56%
13 ML Fuel	1.72%	1.72%	1.72%	0.08%	1.72%	0.08%	1.72%	1.72%	1.64%	2.56%
14 ML Fuel	1.72%	1.72%	1.72%	1.72%	1.72%	1.72%	1.72%	1.72%	1.64%	2.56%
15 ML Fuel	1.72%	1.72%	1.72%	1.72%	1.72%	1.72%	1.72%	1.72%	1.64%	2.56%
16A ML Fuel	1.72%	1.72%	1.72%	0.08%	0.08%	0.08%	0.08%	0.08%	1.64%	2.56%
16B ML Fuel	1.72%	1.72%	1.72%	0.08%	0.08%	0.08%	0.08%	0.08%	0.00%	0.92%
17 ML Fuel	1.72%	1.72%	1.72%	0.08%	0.08%	0.08%	0.08%	0.08%	0.00%	0.92%

Note: Transportation Fuel percentages include the UAF percent as set forth in Sheet No. 54.

Northern will adjust its Fuel percentages in accordance with Section 53 of the GENERAL TERMS AND CONDITIONS of this Tariff.

RATE SCHEDULES TF, TFX, GST, TI, & FDD

Fuel Percentages/Electric Compression Rates

Percentages

	rereages
FUEL PERCENTAGES:	1/ 2/
Market Area (including Out-of-Balance)	0. <u>84</u> 56%
Field Area	3/ 4/ 5/ 6/
UNACCOUNTED FOR PERCENTAGE (including Out-of-Balance)	0.08% 2/ 5/ 7/
FDD STORAGE FUEL	1.19%
FDD URR PERCENTAGE	0.72% 1/
Ele	ctric Compression

	Electric Compressio
COMMODITY RATES:	1/ 2/
Market Area	\$0.0006
Field Area	\$0.0000

1/  $\,$  Northern will adjust its Fuel, UAF and URR percentages and electric compression commodity rates in accordance with Sections 53A and 53B, respectively, of the GENERAL TERMS AND CONDITIONS of this Tariff.

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5/  $\,$  Sheet No. 54A identifies the specific transportation transactions exempt from Fuel and UAF retention charges.

6/ The out-of-balance Fuel percentage for deliveries in MIDs 1-7 shall be the applicable Section 1 Transportation Fuel percentage, and for deliveries in MIDs 8-16B shall be the applicable Section 2 Transportation Fuel percentage.

7/ The UAF percentage utilizes the most recent twelve-month period ending December 31, 2023. For deliveries subject only to UAF, if the above UAF rate is negative, the UAF rate is zero; provided, however Northern will issue a volume credit on the Shipper's monthly imbalance statement equivalent to the negative UAF percentage for such deliveries during the period in which the UAF rate is less than zero.

In the event facilities have been abandoned, Northern shall have the right to file to reduce the applicable MID Fuel percentage(s) on a common basis for all transactions affected by the abandonment to reflect the reduction in use for the remainder of the PRA period. In the event such abandoned facilities (gas compressors) have been replaced with electric compressors installed after October 1, 1998, and Northern reduces the applicable MID Fuel percentages, Northern has the right to file to increase the applicable electric compression commodity rate.

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# MILEAGE INDICATOR DISTRICTS FUEL PERCENTAGES DELIVERY DISTRICT

	RECEIPT DISTRICT	9	10	11	12	13	14	15	<u>   16A</u>	16B	17
	1 ML Fuel <u>3.26<mark>2.98</mark>%</u>	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.34%	
l	2 ML Fuel <u>3.26<mark>2.98</mark>%</u>	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.34%	
	3 ML Fuel <u>3.26<mark>2.98</mark>%</u>	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.34%	
	4 ML Fuel <u>3.26<mark>2.98</mark>%</u>	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.34%	
	5 ML Fuel <u>3.26<mark>2.98</mark>%</u>	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.34%	
	6 ML Fuel <u>3.26<mark>2.98</mark>%</u>	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.34%	
	7 ML Fuel <u>3.26<mark>2.98</mark>%</u>	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.34%	
	7B ML Fuel 2. <u>56<mark>28</mark>%</u>	1.72%	1.72%	1.72%	1.72%	1.72%	1.72%	1.72%	1.72%	1.64%	
	8 ML Fuel 2. <u>56<mark>28</mark>%</u>	1.72%	1.72%	1.72%	1.72%	1.72%	1.72%	1.72%	1.72%	1.64%	
	9 ML Fuel 2. <u>56<mark>28</mark>%</u>	1.72%	1.72%	1.72%	1.72%	1.72%	1.72%	1.72%	1.72%	1.64%	
	10 ML Fuel 2 <u>56<mark>28</mark>%</u>	1.72%	1.72%	1.72%	1.72%	1.72%	1.72%	1.72%	1.72%	1.64%	
	11 ML Fuel 2. <u>56<mark>28</mark>%</u>	1.72%	1.72%	1.72%	1.72%	1.72%	1.72%	1.72%	1.72%	1.64%	
	12 ML Fuel 2. <u>56<mark>28</mark>%</u>	1.72%	1.72%	1.72%	0.08%	1.72%	0.08%	1.72%	1.72%	1.64%	
	13 ML Fuel 2. <u>56<mark>28</mark>%</u>	1.72%	1.72%	1.72%	0.08%	1.72%	0.08%	1.72%	1.72%	1.64%	
	14 ML Fuel 2. <u>56<mark>28</mark>%</u>	1.72%	1.72%	1.72%	1.72%	1.72%	1.72%	1.72%	1.72%	1.64%	
	15 ML Fuel 2. <u>56<mark>28</mark>%</u>	1.72%	1.72%	1.72%	1.72%	1.72%	1.72%	1.72%	1.72%	1.64%	
	16A ML Fuel 2. <u>56<mark>28</mark>%</u>	1.72%	1.72%	1.72%	0.08%	0.08%	0.08%	0.08%	0.08%	1.64%	
	16B ML Fuel 0. <u>92<mark>64</mark>%</u>	1.72%	1.72%	1.72%	0.08%	0.08%	0.08%	0.08%	0.08%	0.00%	
	17 ML Fuel 0. <u>92</u> 64%	1.72%	1.72%	1.72%	0.08%	0.08%	0.08%	0.08%	0.08%	0.00%	

Note: Transportation Fuel percentages include the UAF percent as set forth in Sheet No. 54.

Northern will adjust its Fuel percentages in accordance with Section 53 of the GENERAL TERMS AND CONDITIONS of this Tariff.

#### Northern Natural Gas Company Fuel Consumed Detail Mainline Market Area November - March

I		ea Section	3 Fuel Use						
S	MID	Otation	Station nome	/ New 22	Dec 22	lan 04	Fab 24	Mar 24	Total
Sec. S3	Zone MID 17	Station 950901	Station name Wrenshall VAPORIZER FUEL-FUEL GAS	/ Nov-23	Dec-23	Jan-24 4.	Feb-24 2,654.	Mar-24 522.	Total 3,180
S3	MID 17	950902	Wrenshall A TURBINE FUEL GAS	16,399.		4.	2,054.	522.	16,399
S3	MID 17	950903	Wrenshall B TURBINE FUEL GAS	15,961.					15,961
S3	MID 17	951901	GARNER LNG	1,279.	1,455.	2,440.	4,724.	1,362.	11,260
S3	MID 17	960036	MINNEAPOLIS 1D HEATER	2,543.	2,650.	2,983.	2,677.	3,114.	13,967
S3	MID 17	960479	ALBERT LEA COMPRESSOR STATION FUEL	13,122.	41,572.	60,918.	49,069.	59,977.	224,658
S3 S3	MID 17 MID 17	960480 960481	ALBERT LEA COMPRESSOR BUILDING HEAT ALBERT LEA COMP FUEL GAS METER	44. 287.	164.	180. 1,480.	148. 1,208.	60. 1,439.	596 5,453
S3	MID 17 MID 17	960481	LAKE MILLS COMPRESSOR STATION FUEL	4,188.	1,039. 95.	1,480. 96.	90.	45.	4,514
S3	MID 17	961001	OGDEN COMPRESSOR STATION BUILDING 4 FUEL	60,746.	62,311.	67,958.	64,414.	68,195.	323,624
S3	MID 17	961009	BEATRICE COMPRESSOR UNIT 29	24,390.	48,861.	81,280.	74,500.	59,830.	288,861
S3	MID 17	961010	BEATRICE 3-28 TURBINE FUEL	48,637.	10,018.	34,938.	23,438.	42,149.	159,180
S3	MID 17		BEATRICE # 2 UNITS 19-25 PLANT	1,413.	1,137.	5,511.	5,281.	4,260.	17,602
S3 S3	MID 17 MID 17	961017 961018	BEATRICE PLANT #1 BOILER FUEL BEATRICE PLANT DOMESTIC GAS	3,554. 95.	7,472. 231.	4,927. 271.	2,893. 112.	3,432. 92.	22,278 801
S3	MID 17 MID 17	961023	SOUTH OMAHA HEATER FUEL	96.	192.	291.	12.	129.	837
S3	MID 17	961051	CLIFTON COMP FUEL UNIT 27	369.	267.		668.	35.	1,339
S3	MID 17	961054	CLIFTON AUX AND DOMESTIC	813.	1,098.	1,515.	869.	753.	5,048
S3	MID 17	961056	CLIFTON TURB.BOILER	1,093.	1,172.	1,211.	1,098.	1,170.	5,744
S3	MID 17	961057	CLIFTON BOILER BLDG. #3 (RC 4031)	1,182.	1,171.	1,246.	1,102.	1,142.	5,843
S3 S3	MID 17 MID 17	961059 961060	CLIFTON COMP FUEL UNIT 28 CLIFTON COMP FUEL UNIT 29	330. 9.	18. 237.	8.	608. 666.	80.	956 1,000
S3	MID 17 MID 17	961060	CLIFTON COMP FUEL UNIT 30	23,625.	5,465.	17,821.	9,318.	17,700.	73,929
S3	MID 17	961062	CLIFTON COMP FUEL UNIT 31	16,981.	35,624.	47,563.	44,702.	48,515.	193,385
S3	MID 17	961133	OAKLAND COMP #3 ENGINE FUEL	10,292.	6,003.	12,436.	16,103.	15,331.	60,165
S3	MID 17	961134	OAKLAND COMP STA AUX FUEL	2.	12.	5.	2.	3.	24
S3	MID 17	961135	OAKLAND #1 DOMESTIC FUEL	60.	80.	114.	62.	60.	376
S3 S3	MID 17 MID 17	961136 961137	OAKLAND #2 PIPELINE FUEL OAKLAND #3 DOMESTIC FUEL	225. 1,520.	319. 3,500.	448. 3,295.	262. 2,283.	246. 2,002.	1,500 12,600
S3	MID 17 MID 17	961137	GUTHRIE CENTER COMP FUEL	9,119.	8,723.	16,622.	15,383.	16,945.	66,792
S3	MID 17	961139	OAKLAND UNIT #20 BLDG 4	20,617.	0,720.	16,995.	12,404.	18,627.	68,643
S3	MID 17	961141	OGDEN AUXILIARY FUEL	2,831.	2,993.	3,791.	3,477.	3,238.	16,330
S3	MID 17	961142	OGDEN PLANT 2 FUEL	9,413.	14,433.	18,684.	20,150.	16,482.	79,162
S3	MID 17	961143	OGDEN PLANT 3 FUEL	41,922.	7,482.	2,655.	100		52,059
S3	MID 17	961152	PALMYRA COMPRESSOR BLDG Unit 18	117. 6,915.	1 760	61. 2 550	463. 4,995.	1,909.	2,550
S3 S3	MID 17 MID 17	961153 961154	PALMYRA COMPRESSOR BLDG Unit 19 PALMYRA COMPRESSOR BLDG Unit 20	4,302.	1,762. 3,815.	3,559. 6,667.	4,995. 3,901.	6,991. 5,110.	24,222 23,795
S3	MID 17	961156	PALMYRA #1 BOILER FUEL	2,126.	1,771.	2,625.	1,103.	1,352.	8,977
S3	MID 17	961158	PALMYRA OFFICE FUEL	14.	16.	24.	12.	10.	76
S3	MID 17	961159	PALMYRA WAREHOUSE FUEL	124.	151.	86.	279.	121.	761
S3	MID 17	961160	PALMYRA FUEL - WORKSHOP BLDG.	10.	49.	70.	30.	30.	189
S3 S3	MID 17 MID 17	961162 961163	PALMYRA FUEL - WELDING SHOP PALMYRA FUEL - EQUIPMENT BLDG.	28. 36.	24. 42.	48.	20. 36.	24. 42.	144 232
S3	MID 17 MID 17	961165	PALMYRA COMPRESSOR BLDG Unit 21	4,343.	1,637.	76. 1,099.	4,638.	4,629.	16,346
S3	MID 17	961166	PALMYRA COMPRESSOR BLDG Unit 22	2,514.	2,420.	1,326.	4,096.	4,034.	14,390
S3	MID 17	961167	PALMYRA COMPRESSOR BLDG Unit 23	6,933.	628.	4,211.	2,917.	5,145.	19,834
S3	MID 17	961168	PALMYRA COMPRESSOR BLDG Unit 24	5,330.	3,801.	2,399.	3,557.	2,169.	17,256
S3	MID 17	961169	PALMYRA COMPRESSOR BLDG Unit 25	3,589.	1,242.	5,130.	705.	2,084.	12,750
S3 S3	MID 17 MID 17	961170 961175	PALMYRA COMPRESSOR BLDG Unit 26 PALMYRA COMPRESSOR BLDG Unit 29	18,276. 26,148.	63,104. 10,337.	78,757. 11,292.	56,329. 18,561.	50,687. 18,633.	267,153 84,971
S3	MID 17 MID 17	961175	HOMER COMPRESSOR STATION FUEL	18,793.	19,337.	20,216.	17,804.	19,501.	95,788
S3	MID 17	961177	FREMONT COMPRESSOR STATION FUEL	7,049.	26,798.	25,860.	6,953.	1,139.	67,799
S3	MID 17	961178	WILLOW LAKE COMPRESSOR STATION	3,592.	4,041.	9,000.	4,828.	851.	22,312
S3	MID 17	961179	LA CRESCEENT COMPRESSOR HEATER FUEL	60.	62.	62.	58.	62.	304
S3	MID 17	961181	SO SIOUX CITY COMP STA-TRANS	81.	005	336.	173.	125.	715
S3 S3	MID 17 MID 17	961230 961231	VENTURA DOMESTIC FUEL VENTURA COMPRESSOR STA TRANS 11	238. 196.	325.	400. 2,365.	291. 927.	263. 1,691.	1,517 5,179
S3	MID 17 MID 17	961231	VENTURA COMPRESSOR STA TRANS 11	179.	306.	1,805.	983.	1,513.	4,786
S3	MID 17	961233	VENTURA COMPRESSOR STA TRANS 13	255.	000.	912.	1,835.	1,376.	4,378
S3	MID 17	961234	VENTURA COMPRESSOR STA TRANS 14	1,243.	3,237.	9,608.	6,665.	4,587.	25,340
S3	MID 17	961235	VENTURA COMPRESSOR STA TRANS 15	1,199.	2,537.	9,584.	6,484.	6,537.	26,341
S3	MID 17	961236	VENTURA COMPRESSOR STA TRANS BF 16	1,863.	2,956.	3,523.	2,502.	2,043.	12,887
S3 S3	MID 17 MID 17	961237 961243	VENTURA A LINE HEATER FUEL WATERLOO COMPRESSOR FUEL	608. 4,085.	713.	894. 38,266.	864. 24.462	901.	3,980 134,132
S3	MID 17 MID 17	961243 961246	EARLVILLE CSO STATION EAST LEG	4,065.	34,445.	24,806.	34,463.	22,873.	24,806
S3	MID 17	961248	FARIBAULT MN COMPRESSOR STATION	60,188.	75,883.	80,664.	70,234.	74,689.	361,658
S3	MID 17	961251	FARMINGTON COMP FUEL UNITS 1-7	20,149.	27,741.	29,857.	32,180.	36,836.	146,763
S3	MID 17	961252	CARVER COMPRESSOR STATION FUEL	1,222.	1,273.	10,606.	967.	266.	14,334
S3	MID 17	961254	HINCKLEY COMPRESSOR STATION FUELS	11,287.	3,307.	26,642.	342.	592.	42,170
S3	MID 17	961261	WATERLOO COMP.STATRANS.	96 334	120 313	174 415	108 373	102	600 1 750
S3 S3	MID 17 MID 17	961268 961381	GARNER CONTROLLER GAS NO.BRANCH COMP.STATRANS	334. 6,153.	313. 7,839.	415. 16,778.	373. 8,000.	324. 9,907.	1,759 48,677
S3	MID 17	961382	HUGO COMP FUEL	1,926.	3.	,	1,959.	16,655.	20,543
S3	MID 17	961461	CARLTON COMP ENGINE FUEL 1&2	18,295.	15,730.	24,571.	12,926.	14,281.	85,803
S3	MID 17	961471	OWATONNA COMP STA TRANS	12,514.	12,618.	37,037.	38,028.	43,262.	143,459
S3	MID 17	961561	GALENA COMPRESSOR STATION	22,467.	18,440.	12,066.	10,939.		63,912
S3 S3	MID 17 MID 17	961562 961565	GALENA COMP. AUXILIARY BELLVILLE COMPRESSOR PLANT	185.	391. 11,189.	479. 2,987.	406. 12,555.	443. 11,230.	1,904 37,961
33		301303			11,109.	2,301.	12,000.	11,230.	57,901

#### Northern Natural Gas Company Fuel Consumed Detail Mainline Market Area November - March

	MID									
Sec.	Zone	Station	Station name	1	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Total
S3	MID 17	961610	EAST WAKEFIELD COMPRESSOR STATION FUEL		7,723.	8,399.	8,031.	8,116.	4,150.	36,419
S3	MID 17	961961	CARLTON WHSE FUEL		105.	137.	192.	167.	151.	752
S3	MID 17	969044	REDFIELD FUEL UNIT 7				1,746.	6,028.	6,465.	14,239
S3	MID 17	990017	HUBBARD COMPRESSOR UNMETERED		277.	391.	485.	347.	256.	1,756
S3	MID 17	990018	EARLVILLE COMPRESSOR UNMETERED		379.	395.	602.	309.	415.	2,100
S3	MID 17	990024	CLIFTON DIST TRANSMISSION		51.	56.	49.	51.	45.	252
S3	MID 17	990032			122.	114.	104.	67.	65.	472
S3	MID 17	990037	CLIFTON DISTRICT TRANS SOUTH		2,493.	3,357.	2,600.	3,125.	2,859.	14,434
S3	MID 17	990046	ALBERT LEA COMPRESSOR UNM GAS LOSS		292.	4.	4.	102.	107.	509
S3	MID 17	990052	CARLTON GAS UNMETERED		11,193.	11,647.	12,805.	10,960.	11,580.	58,185
S3	MID 17	990053	WRENSHALL UNMETERE 504		4,805.	298.	313.	276.	354.	6,046
S3	MID 17	990054	OWATONNA UNMETERED VENT 504		6,039.	6,655.	9,704.	6,263.	6,057.	34,718
S3	MID 17	990055	FARIBAULT COMPRESSOR UNS		54.	54.	54.	54.	54.	270
S3	MID 17	990056	SOUTH OMAHA UNMETERED T		1,360.	1,766.	4,797.	1,720.	1,683.	11,326
S3	MID 17	990057	OAKLAND UNMETERED GAS		4,831.	4,155.	5,029.	4,472.	4,612.	23,099
S3	MID 17	990058	SO SIOUX CITY UNMETERED		2,161.	3,016.	4,389.	5,563.	3,633.	18,762
S3	MID 17	990059	VENTURA SOUTH UNMETERED		2,688.	2,314.	2,511.	2,379.	2,425.	12,317
S3	MID 17	990060	NEGUANEE UNMETERED HTR AUX FUEL 5		3,375.	3,517.	3,882.	3,699.	3,433.	17,906
S3	MID 17	990061	WATERLOO DOWNSTREAM HEATER FUEL		4,725.	5,031.	6,352.	4,722.	4,544.	25,374
S3	MID 17	990062			11,142.	12,161.	16,846.	11,939.	10,052.	62,140
S3	MID 17	990063	NORTH BRANCH HEAT AUX FUEL RC 4004		374.	404.	602.	567.	476.	2,423
S3	MID 17	990064	NORTH BRANCH UNMETERED VENT RC4004		971.	968.	968.	1,000.	1,054.	4,961
S3	MID 17	990065	NORTH BRANCH UNMETERE HEAT AUX RC40		13,487.	15,250.	20,974.	15,134.	14,118.	78,963
S3	MID 17	990066	POPPLE CREEK UNMETERED		,	,	113.	127.	127.	367
S3	MID 17	990067	VENTURA NORTH UNMETERED		3,680.	3,705.	3,855.	3,418.	3,575.	18,233
S3	MID 17	990068	PLATTEVILLE UNMETERED		7,250.	8,896.	11,237.	8,658.	7,125.	43,166
S3	MID 17	990069	CLARK SD UNMETERED		1,426.	1,649.	2,050.	1,489.	1,385.	7,999
S3	MID 17	990071	OGDEN GAS UNMETERED 504 RC4010		2,743.	1,236.	1,022.	943.	856.	6,800
S3	MID 17	990072			940.	1,200.	1,616.	1,132.	1,006.	5,898
S3	MID 17	990073	WATERLOO DOWNSTREAM PIPELINE GAS LO		1,325.	1,353.	1,372.	1,325.	1,338.	6,713
S3	MID 17	990074	LACROSSE BRANCHLINE COMPRESSOR		112.	138.	171.	85.	7,732.	8,238
S3	MID 17	990075	SPRING GREEN COMPRESSOR UNMETERED		230.	224.	226.	7.	222.	909
S3	MID 17	990076	HUGO MN COMP BLOW DOWN		170.	454.	220.	30.	747.	1,428
S3	MID 17	990077	BEATRICE UNMETERED		1,105.	1,394.	1,415.	1,003.	1,056.	5,973
S3	MID 17	990078	OAKLAND UNMETERED GAS USES		1,038.	1,082.	2,482.	1,826.	1,801.	8,229
S3	MID 17	990079	WATERLOO COMPRESSOR UNMETERED		521.	468.	434.	229.	425.	2,077
S3	MID 17 MID 17	990080	WELCOME NORTH UNMETERED GAS VENTED		3,359.	1,964.	4,303.	1,812.	420.	11,438
S3	MID 17	990081	NORTH BRANCH UNMETERED VENTED RC400		1,757.	363.	4,303. 361.	371.	437.	3,289
S3	MID 17	990082	WILLMAR UNMETERED		9,070.	9,538.	11,696.	9,090.	9,211.	48,605
S3	MID 17	990083	PAULLINA UNMETERED VENTED GAS RC 42		4,960.	5,271.	6,153.	5,048.	5,327.	26,759
S3	MID 17 MID 17	990084 990084	PALMYRA UNMETERED PIPELINE RC4024		4,900. 936.	839.	985.	995.	1,063.	4,818
S3	MID 17	990085	OGDEN UNMETERED VENTED RC4012		2,416.	2,286.	2,225.	2,212.	2,245.	11,384
S3	MID 17	990086	HARRISBURG UNMETERED		3,205.	3,884.	5,272.	3,724.	3,619.	19,704
S3	MID 17	990087			2,067.	2,038.	2,001.	1,997.	1,991.	10,094
S3	MID 17	990088	PALMYRA UNMETERED PIPELINE RC4029		599.	701.	740.	1,071.	674.	3,785
S3	MID 17 MID 17	990089	WELCOME MEAS STA 1 NB INTER UNS		34.	34.	34.	34.	074.	136
S3	MID 17 MID 17	990090	LACROSSE SYSTEM ZONE 5 UNMETERED		1,979.	2,228.	2,925.	2,138.	1,946.	11,216
S3	MID 17	990091	MAINLINE HOOPER SOUTH		699.	843.	1,115.	776.	767.	4,200
S3	MID 17 MID 17	990092	WATERLOO UPSTREAM HEATER FUEL		5,464.	6,156.	7,157.	5,741.	5,913.	30,431
S3	MID 17	990092	WELCOME SOUTH UNS SECTION 3 SEG 2		1,893.	3,550.	2,277.	3,492.	5,515.	11,212
S3	MID 17	990093 990097			1,035.	5,550.	348.	417.	325.	1,090
S3	MID 17	990098	ALEXANDRIA COMPRESSOR UNMETERED				19.	27.	36.	82
S3	MID 17	990099	ST CLOUD PIPELINE UNMETERED		2,030.	2,309.	3,182.	2,311.	2,172.	12,004
S3	MID 17	990100	OGDEN UNMETERED TBS HEATERS RC4012		8,353.	9,657.	13,436.	9,751.	8,967.	50,164
S3	MID 17	990101	WATERLOO UPSTREAM PIPELINE UNS		1,118.	1,142.	1,158.	1,118.	1,129.	5,665
S3	MID 17 MID 17					1,142.				190
S3	MID 17 MID 17		FREMONT COMPRESSOR STATION USN		21. 141.	169.	106. 20.	42. 40.	21. 20.	390
S3	MID 17 MID 17		CARVER COMPRESSOR UNMETERED		141.	35.	20.	40.	35.	70
S3	MID 17 MID 17	990112			59.	123.	59.	59.	61.	361
			CUNNINGHAM UGS LIQ.PLT FU							843
S3 S3	MID 17				161.	178.	187.	156.	161. 489.	643 489
	MID 17		MACKS 1-CUNN STO SER MACKS 5-CUNN STO SER			700	3 655	1 222		
S3	MID 17				2 720	790. 2.482	3,655.	1,322.	2,262.	8,029 10,955
S3	MID 17		CUNN STORAGE COMP.UNIT #8 FUEL		2,738.	2,482.	2,137.	2,600.	998. 867	10,955
S3	MID 17		CUNN STORAGE COMP.UNIT #9 FUEL		2,998.	1,961.	2,150.	1,929.	867.	9,905
S3	MID 17 MID 17		CUNNINGHAM UGS - PLANT		1,212.	1,361.	1,534.	1,284.	1,493.	6,884
S3			CUNNINGHAM UGS FIELD SEPERATORS CUNNINGHAM UNMETERED GATH		4. 1 143	7. 850	12. 752	4. 1.005	11. 884	38
S3	MID 17				1,143	850 335		1,005	884	4,634
S3	MID 17	99002 I	CUNN UNMETERED TRANS		453	335	2,148	343	395	3,674
			Total		766,275	789,320	1,122,235	904,224	921,456	4,503,510

Northern Natural Gas Company Periodic Rate Adjustment Winter Market Area Fuel Rate Calculations for the period 11/2023-3/2024

Summary of Throughput (dth)

Months	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	ANNUAL
Receipt						
Section 2b (MID 16B)	14,028,833	20,878,000	27,567,784	19,337,653	17,444,167	99,256,437
Section 3 (MID 17)	77,926,492	84,957,124	92,590,917	76,601,415	74,407,228	406,483,176
Totals	91,955,325	105,835,124	120,158,701	95,939,068	91,851,395	505,739,613

Source: Gas Accounting System (GAS)

Northern Natural Gas Company Periodic Rate Adjustment Winter Market Area Fuel Rate Calculations for the period 11/2023-3/2024

Calculation of Fuel Percentage Before True-up

Receipt	Market Area Throughput Section 3 (MID 17)	
Section 2b (MID 16B) Section 3 (MID 17) Total	99,256,437 406,483,176 505,739,613 1/	
Fuel Consumed	Market Area Section 3 Throughput	Winter Fuel Percentage
Section 3 <u>4,503,510</u> 2/	505,739,613_1/	0.89%

1/ See Schedule No. 2

2/ See Schedule No. 1

Northern Natural Gas Company Periodic Rate Adjustment Winter Market Area Fuel Rate Calculations for the period 11/2023-3/2024

Summary of Fuel Retention (dth)

	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Total Market Area (Section 3) Fuel Retained
Receipt						
Section 2b (MID 16B)	133,180	198,245	261,637	183,500	165,565	942,127
Section 3 (MID 17)	737,708	805,904	872,040	722,078	704,872	3,842,602
	870,888	1,004,149	1,133,677	905,578	870,437	4,784,729

Source: Gas Accounting System (GAS)

## Northern Natural Gas Company Periodic Rate Adjustment Winter Market Area Fuel Rate Calculations for the period 11/2023-3/2024

## Calculation of True-up

	Section 3
1 Actual Mainline Fuel Consumed 1/	4,503,510
2 Actual Mainline Fuel Retained 2/ 3 less previous True-up Under(Over) Recovered 3/	4,784,729 43,073
4 Actual Mainline Fuel Retained Related to Consumed	4,741,656
5 Under(Over) Recovered	(238,146)
6 Winter Throughput Applicable to Market Area Fuel 4/	505,739,613
7 True-up Adjustment Due (Shipper)Northern	-0.05%

1/ See Schedule No. 1.

- 2/ See Schedule No. 4.
- 3/ Market Area Fuel True-up for November 2022 March 2023 as stated on Schedule No. 5 of the May 1, 2023 filing in Docket No. RP23-756-000
- 4/ See Schedule No. 2.

Northern Natural Gas Company Periodic Rate Adjustment Winter Market Area Fuel Rate Calculations for the period 11/2023-3/2024

Market Area Fuel Components Effective November 1, 2024

Base Market Area (Section 3) Fuel Percent 1/	Section 3 0.89%
True-up Market Area (Section 3) Fuel Percent 2/	-0.05%
Total Market Area (Section 3) Fuel Percent 3/	0.84%

1/ See Schedule No. 3.

2/ See Schedule No. 5.

3/ Base Mainline Fuel Percent plus True-up Market Area (Section 3) Fuel Percent. Excludes currently effective Unaccounted For percentage (UAF).