



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.

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.

Debbie-Anne Reese, Acting Secretary

May 1, 2024

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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
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Respectfully submitted,

/s/ Luis Valdivia

Luis Valdivia
Manager, Rates and Tariffs

Attachments

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

Fuel Percentages/Electric Compression Rates

	<u>Percentages</u>
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/

	<u>Electric Compression</u>
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 DISTRICT	<u>9</u>	<u>10</u>	<u>11</u>	<u>12</u>	<u>13</u>	<u>14</u>	<u>15</u>	<u>16A</u>	<u>16B</u>	<u>17</u>
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

	<u>Percentages</u>
FUEL PERCENTAGES:	1/ 2/
Market Area (including Out-of-Balance)	0.84 56 %
Field Area	3/ 4/ 5/ 6/
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1 ML Fuel 3.262-98%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.34%	
2 ML Fuel 3.262-98%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.34%	
3 ML Fuel 3.262-98%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.34%	
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5 ML Fuel 3.262-98%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.34%	
6 ML Fuel 3.262-98%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.34%	
7 ML Fuel 3.262-98%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.42%	2.34%	
7B ML Fuel 2.5628%	1.72%	1.72%	1.72%	1.72%	1.72%	1.72%	1.72%	1.72%	1.64%	
8 ML Fuel 2.5628%	1.72%	1.72%	1.72%	1.72%	1.72%	1.72%	1.72%	1.72%	1.64%	
9 ML Fuel 2.5628%	1.72%	1.72%	1.72%	1.72%	1.72%	1.72%	1.72%	1.72%	1.64%	
10 ML Fuel 2.5628%	1.72%	1.72%	1.72%	1.72%	1.72%	1.72%	1.72%	1.72%	1.64%	
11 ML Fuel 2.5628%	1.72%	1.72%	1.72%	1.72%	1.72%	1.72%	1.72%	1.72%	1.64%	
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15 ML Fuel 2.5628%	1.72%	1.72%	1.72%	1.72%	1.72%	1.72%	1.72%	1.72%	1.64%	
16A ML Fuel 2.5628%	1.72%	1.72%	1.72%	0.08%	0.08%	0.08%	0.08%	0.08%	1.64%	
16B ML Fuel 0.9264%	1.72%	1.72%	1.72%	0.08%	0.08%	0.08%	0.08%	0.08%	0.00%	
17 ML Fuel 0.9264%	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

Schedule No. 1

Sec.	MID Zone	Station	Station name	/	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	GARNER LNG		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 UNMETERED 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	FARMINGTON UNMETERED VENT RC 4008		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 UNMETERED 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	OGDEN UNMETERED DETAIL 547 RC4010		940.	1,204.	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.	27.	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	990080	WELCOME NORTH UNMETERED GAS VENTED		3,359.	1,964.	4,303.	1,812.		11,438
S3	MID 17	990081	NORTH BRANCH UNMETERED VENTED RC400		1,757.	363.	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	990084	PALMYRA UNMETERED PIPELINE RC4024		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	PLATTEVILLE COMPRESSOR UNMETERED		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	990089	WELCOME MEAS STA 1 NB INTER UNS		34.	34.	34.	34.		136
S3	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	990092	WATERLOO UPSTREAM HEATER FUEL		5,464.	6,156.	7,157.	5,741.	5,913.	30,431
S3	MID 17	990093	WELCOME SOUTH UNS SECTION 3 SEG 2		1,893.	3,550.	2,277.	3,492.		11,212
S3	MID 17	990097	PIERZ COMPRESSOR UNMETERED				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	990103	HOMER COMPRESSOR STATION UNS		21.		106.	42.	21.	190
S3	MID 17	990104	FREMONT COMPRESSOR STATION UNS		141.	169.	20.	40.	20.	390
S3	MID 17	990112	CARVER COMPRESSOR UNMETERED			35.			35.	70
S3	MID 17	990114	HINCKLEY UNMETERED COMPRESSOR GAS LOSS		59.	123.	59.	59.	61.	361
S3	MID 17	961306	CUNNINGHAM UGS LIQ.PLT FU		161.	178.	187.	156.	161.	843
S3	MID 17	964003	MACKS 1-CUNN STO SER						489.	489
S3	MID 17	964004	MACKS 5-CUNN STO SER			790.	3,655.	1,322.	2,262.	8,029
S3	MID 17	964096	CUNN STORAGE COMP.UNIT #8 FUEL		2,738.	2,482.	2,137.	2,600.	998.	10,955
S3	MID 17	964097	CUNN STORAGE COMP.UNIT #9 FUEL		2,998.	1,961.	2,150.	1,929.	867.	9,905
S3	MID 17	964101	CUNNINGHAM UGS - PLANT		1,212.	1,361.	1,534.	1,284.	1,493.	6,884
S3	MID 17	990000	CUNNINGHAM UGS FIELD SEPERATORS		4.	7.	12.	4.	11.	38
S3	MID 17	990011	CUNNINGHAM UNMETERED GATH		1,143.	850.	752.	1,005.	884.	4,634
S3	MID 17	990021	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
<u>Receipt</u>							
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	<u>Market Area Throughput Section 3 (MID 17)</u>		
Section 2b (MID 16B)	99,256,437		
Section 3 (MID 17)	<u>406,483,176</u>		
Total	<u><u>505,739,613</u></u> 1/		
	<u>Market Area Section 3 Throughput</u>		<u>Winter Fuel Percentage</u>
Section 3	<u><u>4,503,510</u></u> 2/	<u><u>505,739,613</u></u> 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)

Receipt	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Total Market Area (Section 3) Fuel Retained
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
	<u>870,888</u>	<u>1,004,149</u>	<u>1,133,677</u>	<u>905,578</u>	<u>870,437</u>	<u>4,784,729</u>

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/	4,784,729
3 less previous True-up Under(Over) Recovered 3/	43,073
4 Actual Mainline Fuel Retained Related to Consumed	<u>4,741,656</u>
5 Under(Over) Recovered	<u><u>(238,146)</u></u>
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.

Schedule No. 6

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).