



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

July 28, 2010

Kimberly D. Bose, Secretary
Federal Energy Regulatory Commission
888 First Street, N.E.
Washington, D.C. 20426

Re: Northern Natural Gas Company
Docket No. RP10-___-000
Interim Periodic Rate Adjustment for Market Area Summer Fuel

Dear Ms. Bose:

Northern Natural Gas Company (Northern) submits herewith for filing as part of its F.E.R.C. Gas Tariff, Fifth Revised Volume No. 1 (Tariff), an original and five (5) copies of the following tariff sheets proposed to be effective September 1, 2010:

FIFTH REVISED VOLUME NO. 1
1 Revised 35 Revised Sheet No. 54
1 Revised 30 Revised Sheet No. 62

Background

Section 53A of the General Terms and Conditions of Northern's Tariff provides for the filing of periodic rate adjustments (PRA) for, among other things, the Market Area summer fuel retention percentage effective each April 1. The Tariff provides that the Market Area summer fuel percentage is based upon actual data for the previous summer's seven-month period from April through October. Northern's most recent PRA filing for Market Area summer fuel was made on February 1, 2010, in Docket No. RP10-354-000 (2010 PRA). In the 2010 PRA filing Northern proposed to lower the Market Area summer fuel percentage to 0.43%. The Commission accepted the filing effective April 1, 2010.¹

¹ Letter Order dated March 19, 2010 in Docket No. RP09-354-000.

Reason for Filing

The revised tariff sheets are being filed as an Interim PRA to lower the Market Area summer fuel retention percentage from 0.43% to 0.16% effective September 1, 2010, based on the fact that actual Market Area summer fuel data for the period April 1, 2010, through June 30, 2010, shows fuel being consumed at a much lower percentage than 0.43% resulting in a significant continuing overcollected balance.² The overcollected balance results from a significant drop in actual fuel consumed for the April through June 2010 period, compared to the same period in 2009. The 62% reduction in fuel use is the direct result of a 9% decline in Market Area throughput compared with the same three-month period in 2009.

Northern is requesting waiver of Section 53A of the General Terms and Conditions of its Tariff to make this Interim PRA filing in anticipation of continued lower Market Area summer fuel volumes requirements for the remainder of the 2010 summer season which will assist in avoiding a significant overrecovered position at the end of the period and to give shippers the benefit of the reduced Market Area summer fuel percentage on a more real time basis.

During 2009, Northern filed, and the Commission accepted,³ two interim PRAs to lower its unaccounted-for percentage from an original 0.32% to -0.12% for the periods August 1, 2009 through October 31, 2009 and December 1, 2009 through March 31, 2010; and to -0.89% for November 2009. Those filings were made to address significant overrecoveries of unaccounted-for volumes, which were putting pressure on Northern's underground storage fields at a time of high storage inventories for the natural gas industry in general and Northern in particular. The current proposal to lower the Market Area summer fuel percentage is intended to address a similar storage issue if Northern were forced to continue holding large gas volumes resulting from an overrecovered balance through the rest of the summer and the 2010/2011 heating season.⁴

Market Area Summer Fuel Calculation

Similar to other PRA filings for Market Area winter fuel, attached are Schedules 1 through 6 showing the calculations of the base fuel and true-up percentages. However, rather than using the April 2009 through October 2009 data as the basis for the calculations, these calculations are based on actual data for April through June, 2010. The proposed Market Area summer fuel percentage, including true-up, is 0.16%. The new base fuel retention percentage is 0.75%, as calculated on Schedule 3M. The true-up, to be returned to shippers during September and October 2010, based on a projected overrecovered summer balance of 1,216,762 Dth at the end of August, is a negative 0.59%, as calculated on Schedule 5M. The projection assumes a monthly reduction in the

² The combined total Market Area fuel/UAF rate for September 1, 2010 through October 31, 2010 would be 0.00%.

³ Northern Natural Gas Company, 128 FERC ¶ 61,078 (2009); and Northern Natural Gas Company, 129 FERC ¶ 61,087 (2009).

⁴ Under the current Tariff, the Market Area overrecoveries from April 2010 through October 2010 would not commence being returned to Market Area shippers until April 1, 2011.

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overrecovered balance in July and August by roughly the same amount as in June. The throughput used to calculate the true-up is the actual throughput for September and October 2009.

Waiver

Northern respectfully requests that the Commission grant a waiver of Section 53A of the General Terms and Conditions of Northern's Tariff that provides for a PRA filing for Market Area summer fuel percentage to be effective each April 1 to allow the tariff sheets to become effective September 1, 2010. Northern submits that good cause exists for granting such waiver to give shippers the real time benefit of a reduced Market Area summer fuel percentage and to help address a potential storage field issue for Northern. Northern also respectfully requests that the Commission issue an order by August 27, 2010, to allow Northern and its shippers time to establish the revised fuel percentage in their computer systems prior to the timely nomination cycle for September 2010 business.

Posting

In accordance with Section 154.208 of the Commission's Regulations, this filing has been served on all of Northern's customers and interested State Commissions. A copy of this filing is also available for public inspection in Northern's office in Omaha, Nebraska during regular business hours.

Marked Version

In accordance with Section 154.201 of the Commission's Regulations, included with this filing is a marked version of the proposed tariff changes that highlights the additions and shows deletions by strikeout.

Motion

In accordance with Sections 154.7(a)(9) and 154.206(c) of the Commission's Regulations, Northern hereby moves to place the tariff sheets referenced herein in effect as of the end of any suspension period ordered by the Commission.

Data Processing Requirements

Northern has submitted a diskette reflecting the information contained in the above-referenced tariff sheets in compliance with FERC Order Nos. 493 and 533.

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Communication

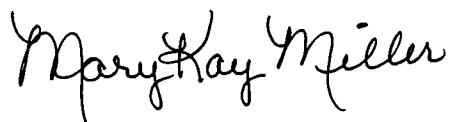
It is requested that all correspondence and communications concerning this filing be served upon each of the following:

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Respectfully submitted,



Mary Kay Miller
Vice President, Regulatory and Government Affairs

Attachments

EXHIBIT NO. 1

NORTHERN NATURAL GAS COMPANY

INTERIM PRA FILING FOR MARKET AREA SUMMER FUEL

SEPTEMBER 1, 2010

TARIFF SHEETS

R A T E S C H E D U L E S T F, T F X, L F T, G S - T, T I, & F D D

Fuel Percentages/Electric Compression Rates

	Percentages -----
FUEL PERCENTAGES:	1/
Market Area (including Out-of-Balance)	0.16%
Field Area	2/ 3/ 5/ 6/
UNACCOUNTED FOR PERCENTAGE (including Out-of-Balance)	-0.16% 4/ 5/
FDD Storage Fuel	1.63%
	Electric Compression -----
COMMODITY RATES:	1/
Market Area	\$0.0006
Field Area	\$0.0000

- 1/ Northern will adjust its Fuel percentages and electric compression commodity rates in accordance with Sections 53A and 53B, respectively, of the General Terms and Conditions of this Tariff.
- 2/ Fuel shall be determined by Mileage Indicator Districts (MIDS) for the Field Area.
- 3/ 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 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.
- 4/ The Unaccounted For percentage utilizes the most recent twelve-month period ending December 31, 2009. For deliveries subject only to UAF, the UAF rate is zero; provided, however, Northern will issue a volume credit on the Shipper's monthly imbalance statement equivalent to -0.16% for the period April 2010 through March 2011 for such deliveries.
- 5/ Sheet No. 54A identifies the specific transportation transactions exempt from fuel and unaccounted-for retention charges.
- 6/ The Out-of-Balance Fuel Percentage for deliveries in MIDS 1-7 shall be the applicable Section 1 Mainline Fuel percentage, and for deliveries in MIDS 8-16B shall be the applicable Section 2 Mainline Fuel percentage.

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									
		9	10	11	12	13	14	15	16A	16B	17
RECEIPT DISTRICT		-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
1	ML Fuel	1.83%	1.83%	1.83%	1.83%	1.83%	1.83%	1.83%	1.83%	1.99%	1.99%
2	ML Fuel	1.83%	1.83%	1.83%	1.83%	1.83%	1.83%	1.83%	1.83%	1.99%	1.99%
3	ML Fuel	1.83%	1.83%	1.83%	1.83%	1.83%	1.83%	1.83%	1.83%	1.99%	1.99%
4	ML Fuel	1.83%	1.83%	1.83%	1.83%	1.83%	1.83%	1.83%	1.83%	1.99%	1.99%
5	ML Fuel	1.83%	1.83%	1.83%	1.83%	1.83%	1.83%	1.83%	1.83%	1.99%	1.99%
6	ML Fuel	1.83%	1.83%	1.83%	1.83%	1.83%	1.83%	1.83%	1.83%	1.99%	1.99%
7	ML Fuel	1.83%	1.83%	1.83%	1.83%	1.83%	1.83%	1.83%	1.83%	1.99%	1.99%
7B	ML Fuel	0.88%	0.88%	0.88%	0.88%	0.88%	0.88%	0.88%	0.88%	1.04%	1.04%
8	ML Fuel	0.88%	0.88%	0.88%	0.88%	0.88%	0.88%	0.88%	0.88%	1.04%	1.04%
9	ML Fuel	0.88%	0.88%	0.88%	0.88%	0.88%	0.88%	0.88%	0.88%	1.04%	1.04%
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12	ML Fuel	0.88%	0.88%	0.88%	0.00%	0.88%	0.00%	0.88%	0.88%	1.04%	1.04%
13	ML Fuel	0.88%	0.88%	0.88%	0.00%	0.88%	0.00%	0.88%	0.88%	1.04%	1.04%
14	ML Fuel	0.88%	0.88%	0.88%	0.88%	0.88%	0.88%	0.88%	0.88%	1.04%	1.04%
15	ML Fuel	0.88%	0.88%	0.88%	0.88%	0.88%	0.88%	0.88%	0.88%	1.04%	1.04%
16A	ML Fuel	0.88%	0.88%	0.88%	0.00%	0.00%	0.00%	0.00%	0.00%	1.04%	1.04%
16B	ML Fuel	0.88%	0.88%	0.88%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
17	ML Fuel	0.88%	0.88%	0.88%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

Note:ML Fuel percentages include the unaccounted-for percent as set forth on Sheet No. 54.

Northern will adjust its fuel percentages in accordance with Section 53 of the General Terms and Conditions of this Tariff.

In recognition of all to-and-through transactions where gas is nominated and scheduled for delivery first to the Bushton inlet at POI 1708 in MID 16A and then subsequently delivered to other delivery points on Northern's system, the UAF percent will be zero on deliveries to the Bushton inlet (POI 1708); and the fuel will be zero from the Bushton outlet (POI 1707) to MID 16B.

R A T E S C H E D U L E S T F, T F X, L F T, G S - T, T I, & F D D

Fuel Percentages/Electric Compression Rates

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Market Area (including Out-of-Balance)	0.4316%
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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	9	10	11	12	13	14	15	16A	16B	17
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2 ML Fuel	1.83%	1.83%	1.83%	1.83%	1.83%	1.83%	1.83%	1.83%	1.99%	2.26 1.99%
3 ML Fuel	1.83%	1.83%	1.83%	1.83%	1.83%	1.83%	1.83%	1.83%	1.99%	2.26 1.99%
4 ML Fuel	1.83%	1.83%	1.83%	1.83%	1.83%	1.83%	1.83%	1.83%	1.99%	2.26 1.99%
5 ML Fuel	1.83%	1.83%	1.83%	1.83%	1.83%	1.83%	1.83%	1.83%	1.99%	2.26 1.99%
6 ML Fuel	1.83%	1.83%	1.83%	1.83%	1.83%	1.83%	1.83%	1.83%	1.99%	2.26 1.99%
7 ML Fuel	1.83%	1.83%	1.83%	1.83%	1.83%	1.83%	1.83%	1.83%	1.99%	2.26 1.99%
7B ML Fuel	0.88%	0.88%	0.88%	0.88%	0.88%	0.88%	0.88%	0.88%	1.04%	1.31 1.04%
8 ML Fuel	0.88%	0.88%	0.88%	0.88%	0.88%	0.88%	0.88%	0.88%	1.04%	1.31 1.04%
9 ML Fuel	0.88%	0.88%	0.88%	0.88%	0.88%	0.88%	0.88%	0.88%	1.04%	1.31 1.04%
10 ML Fuel	0.88%	0.88%	0.88%	0.88%	0.88%	0.88%	0.88%	0.88%	1.04%	1.31 1.04%
11 ML Fuel	0.88%	0.88%	0.88%	0.88%	0.88%	0.88%	0.88%	0.88%	1.04%	1.31 1.04%
12 ML Fuel	0.88%	0.88%	0.88%	0.00%	0.88%	0.00%	0.88%	0.88%	1.04%	1.31 1.04%
13 ML Fuel	0.88%	0.88%	0.88%	0.00%	0.88%	0.00%	0.88%	0.88%	1.04%	1.31 1.04%
14 ML Fuel	0.88%	0.88%	0.88%	0.88%	0.88%	0.88%	0.88%	0.88%	1.04%	1.31 1.04%
15 ML Fuel	0.88%	0.88%	0.88%	0.88%	0.88%	0.88%	0.88%	0.88%	1.04%	1.31 1.04%
16A ML Fuel	0.88%	0.88%	0.88%	0.00%	0.00%	0.00%	0.00%	0.00%	1.04%	1.31 1.04%
16B ML Fuel	0.88%	0.88%	0.88%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.27 0.00%
17 ML Fuel	0.88%	0.88%	0.88%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.27 0.00%

Note:ML Fuel percentages include the unaccounted-for percent as set forth on Sheet No. 54.

Northern will adjust its fuel percentages in accordance with Section 53 of the General Terms and Conditions of this Tariff.

In recognition of all to-and-through transactions where gas is nominated and scheduled for delivery first to the Bushton inlet at POI 1708 in MID 16A and then subsequently delivered to other delivery points on Northern's system, the UAF percent will be zero on deliveries to the Bushton inlet (POI 1708); and the fuel will be zero from the Bushton outlet (POI 1707) to MID 16B.

EXHIBIT NO. 2

NORTHERN NATURAL GAS COMPANY

INTERIM PRA FILING FOR MARKET AREA SUMMER FUEL

SEPTEMBER 1, 2010

INTERIM PRA SCHEDULE NOS. 1-6

Northern Natural Gas Company
Fuel Consumed Detail
Mainline Market Area

Section 3 Mainline Fuel Use, interim fuel filing

MID Zone	Station Number	Station Name	Apr-10	May-10	Jun-10	Total
MID 17	940391	FT. BUFORD/BEARPAW FUEL METER*	10,944	15,009	13,697	39,650
MID 17	950902	Wrenshall A TURBINE FUEL GAS*	24,637			24,637
MID 17	950903	Wrenshall B TURBINE FUEL GAS*	23,733			23,733
MID 17	950904	VAPORIZER & BUILDING HEAT*	547	191		738
MID 17	951901	GARNER LNG *	3,427	27	4	3,458
MID 17	960479	ALBERT LEA COMPRESSOR FUEL			5	5
MID 17	961012	BEATRICE # 2 UNITS 19-25 PLANT	18,217	13,662	13,440	45,319
MID 17	961016	BEATRICE 3 27TURB FUEL			2	37
MID 17	961017	BEATRICE PLANT #1 BOILER FUEL	237			237
MID 17	961018	BEATRICE PLANT DOMESTIC GAS	24	12		36
MID 17	961023	SOUTH OMAHA HEATER FUEL	57	36	9	102
MID 17	961051	CLIFTON COMP FUEL UNIT 27			3,287	3,287
MID 17	961054	CLIFTON DOMESTIC FUEL	163	82		245
MID 17	961056	CLIFTON TURB. BOILER		60		60
MID 17	961059	CLIFTON COMP FUEL UNIT 28	1,017	3,183		4,200
MID 17	961060	CLIFTON COMP FUEL UNIT 29			2,672	2,672
MID 17	961062	CLIFTON COMP FUEL UNIT 31	122		4,917	5,039
MID 17	961133	OAKLAND COMP #3 ENGINE FUEL	5,075	948	25	6,048
MID 17	961134	OAKLAND COMP STA AUX FUEL	20			20
MID 17	961135	OAKLAND #1 DOMESTIC FUEL	28	22	4	54
MID 17	961136	OAKLAND #2 PIPELINE FUEL	69	42	12	123
MID 17	961137	OAKLAND #3 DOMESTIC FUEL	1,179	39	3	1,221
MID 17	961138	GUTHRIE CENTER COMP FUEL			1,222	1,222
MID 17	961139	OAKLAND UNIT #20 BLDG 4		17		17
MID 17	961141	OGDEN AUXILIARY FUEL	1,074	25	1	1,100
MID 17	961142	OGDEN PLANT #2 FUEL	19,700	21,981	26,690	68,371
MID 17	961143	OGDEN PLANT #3 FUEL	39,945	43,458	47,728	131,131
MID 17	961152	PALMYRA COMPRESSOR BLDG Unit 18	5,456	5,632	990	12,078
MID 17	961153	PALMYRA COMPRESSOR BLDG Unit 19	8,058	5,784	373	14,215
MID 17	961154	PALMYRA COMPRESSOR BLDG Unit 20	1,916	617	1,885	4,418
MID 17	961158	PALMYRA OFFICE FUEL	6	2	2	10
MID 17	961159	PALMYRA WAREHOUSE FUEL	38	2		40
MID 17	961160	PALMYRA FUEL - WORKSHOP BLDG.	22		2	24
MID 17	961161	PAULLINA COMP. STA.-TRANS	122	141	1,138	1,401
MID 17	961162	PALMYRA FUEL - WELDING SHOP	10			10
MID 17	961163	PALMYRA FUEL - EQUIPMENT BLDG.	2			2
MID 17	961165	PALMYRA COMPRESSOR BLDG Unit 21	1,859	1,812	1,794	5,465
MID 17	961166	PALMYRA COMPRESSOR BLDG Unit 22	3,485	381	2,530	6,396
MID 17	961167	PALMYRA COMPRESSOR BLDG Unit 23	3,338	2,014	2,361	7,713
MID 17	961168	PALMYRA COMPRESSOR BLDG Unit 24	3,532	194	3,010	6,736
MID 17	961169	PALMYRA COMPRESSOR BLDG Unit 25	1,968	2,072	3,594	7,634
MID 17	961170	PALMYRA COMPRESSOR BLDG Unit 26	4			4
MID 17	961171	PALMYRA COMPRESSOR BLDG Unit 27	4,093	5,403	343	9,839
MID 17	961172	PALMYRA COMPRESSOR BLDG Unit 28	3,658	1,553	8,038	13,249
MID 17	961175	PALMYRA COMPRESSOR BLDG Unit 29	19,110	20,183	15,168	54,461
MID 17	961181	SO SIOUX CITY COMP STA-TRANS	44	16		60
MID 17	961230	VENTURA DOMESTIC FUEL	98	56	12	166
MID 17	961232	VENTURA COMPRESSOR STA TRANS 12	1,011	15	64	1,090
MID 17	961233	VENTURA COMPRESSOR STA TRANS 13	726	14		740
MID 17	961234	VENTURA COMPRESSOR STA TRANS 14	4,720	553	2	5,275
MID 17	961235	VENTURA COMPRESSOR STA TRANS 15	441	621	214	1,276
MID 17	961236	VENTURA COMPRESSOR STA TRANS BF 16	502	316		818
MID 17	961237	VENTURA A LINE HEATER FUEL	686	116		802
MID 17	961243	WATERLOO COMPRESSOR FUEL	27,072	40,123	25,835	93,030
MID 17	961246	EARLVILLE CSO STATION-EAST LEG	20,211	9,035	64,109	93,355
MID 17	961248	FARIBAULT MN COMPRESSOR STATION		4,163	783	4,946
MID 17	961251	FARMINGTON COMP FUEL UNITS 1-7	22,525	20,595	14,812	57,932
MID 17	961261	WATERLOO COMP. STA.-TRANS.	36	30	30	96
MID 17	961268	GARNER CONTROLLER GAS	224	192	192	608
MID 17	961306	CUNNINGHAM UGS LIQ. PLT FU*	272	261	254	787
MID 17	961381	NO. BRANCH COMP. STA.-TRANS	4,947	2,950	3,497	11,394
MID 17	961382	HUGO COMP FUEL	8			8
MID 17	961561	GALENA COMPRESSOR STATION	4,796	8,988	7,629	21,413
MID 17	961562	GALENA COMP. AUXILIARY	240	240	30	510
MID 17	961565	BELLVILLE COMPRESSOR PLANT	20,321	19,930	23,725	63,976
MID 17	961961	CARLTON WHSE FUEL *	227	123		350

Northern Natural Gas Company
Fuel Consumed Detail
Mainline Market Area

MID Zone	Station Number	Station Name	Apr-10	May-10	Jun-10	Total
MID 17	962434	CLARK S.D. WAREHOUSE	8	6		14
MID 17	962435	HARRISBURG WAREHOUSE	14	10	2	26
MID 17	964096	CUNN STORAGE COMP.UNIT #8 FUEL*	3,362	1,321	3,662	8,345
MID 17	964097	CUNN STORAGE COMP.UNIT #9 FUEL*	2,960	3,004	3,952	9,916
MID 17	964101	CUNNINGHAM UGS - PLANT*	922	699	362	1,983
MID 17	964102	CUNNINGHAM UGS - FIELD SEPERATORS*	6	3	3	12
MID 17	965090	GALENA GAS LOSS	612	1,399	1,183	3,194
MID 17	965201	CUNNINGHAM GAS LOSS-GATH.*	1,174	82	234	1,490
MID 17	965202	CARLTON GAS LOSS	7,811	5,885	5,785	19,481
MID 17	965204	WRENSHALL-GAS LOSS 504	506	91	193	790
MID 17	965206	OWATONNA GAS LOSS (VENT 504)	3,155	3,083	428	6,666
MID 17	965207	FARIBAULT COMPRESSOR UNS	48	344	538	930
MID 17	965232	SOUTH OMAHA GAS LOSS-T	1,635	1,513	1,659	4,807
MID 17	965252	OAKLAND UNMETERED GAS	1,827	1,868	2,000	5,695
MID 17	965298	SO. SIOUX CITY GAS LOSS	2,151	850	1,139	4,140
MID 17	965319	VENTURA (SOUTH) GAS LOSS	480	721	317	1,518
MID 17	965347	NEGUANEE GAS LOSS(HEATER/AUX FUEL 5	4,184	2,247	2,269	8,700
MID 17	965351	WATERLOO DOWNSTREAM HEATER FUEL	1,080	628	388	2,096
MID 17	965353	FARMINTON GAS LOSS-VENT (RC 4008)	4,880	5,214	28,559	38,653
MID 17	965357	NORTH BRANCH HEAT/AUX. FUEL(RC 4004	26	18	5	49
MID 17	965358	NORTH BRANCH GAS LOSS-VENT (RC4004)	1,127	1,206	1,182	3,515
MID 17	965359	NORTH BRANCH GAS LOSS HEAT/AUX(RC40	4,735	4,531	3,018	12,284
MID 17	965360	POPPLE CREEK VENT GAS LOSS	8	5	90	103
MID 17	965364	VENTURA (NORTH) GAS LOSS	2,932	2,749	2,401	8,082
MID 17	965366	OGDEN GAS LOSS -TBS HEATERS (RC4012	2,574	599	551	3,724
MID 17	965367	PLATTEVILLE GAS LOSS-TBS HEATERS(RC	1,203	1,099	992	3,294
MID 17	965368	CLARK S.D. GAS LOSS (547)	920	495	392	1,807
MID 17	965379	VENTURA-ANALYZER PURGE GAS	6	6	6	18
MID 17	965381	OGDEN GAS LOSS DETAIL 504 RC4010	3,096	3,256	3,595	9,947
MID 17	965382	OGDEN GAS LOSS (DETAIL 547) RC4010	23	3	16	42
MID 17	965392	HUBBARD COMPRESSOR GAS LOSS	41	428	4	473
MID 17	965393	EARLVILLE COMPRESSOR GAS LOSS	97	126	27	250
MID 17	965395	WATERLOO DOWNSTREAM PIPELINE GAS LO	1,328	1,298	1,310	3,936
MID 17	965400	LACROSSE BRANCHLINE COMPRESSOR	38	39	66	143
MID 17	965402	SPRING GREEN COMPRESSOR GAS LOSS		17		17
MID 17	965694	HUGO COMP BLOW DOWN	214	28	27	269
MID 17	965733	CUNN GAS LOSS-TRANS.*	65	148	1,206	1,419
MID 17	965752	CLIFTON DIST-TRANSMISSION	62	64	62	188
MID 17	965801	UNMETERED GAS USES-BEATRICE	584	637	6,314	7,535
MID 17	965802	OAKLAND UNMETERED GAS USES	511	494	460	1,465
MID 17	965803	WATERLOO COMPRESSOR GAS LOSS	378	1,369	2,860	4,607
MID 17	965804	WELCOME GAS LOSS -VENTED	2,155	2,003	1,519	5,677
MID 17	965806	NORTH BRANCH GAS LOSS-VENTED (RC400	361	361	347	1,069
MID 17	965807	WILLMAR GAS LOSS - VENTED (RC4290)	6,064	6,565	4,977	17,606
MID 17	965808	PAULLINA GAS LOSS VENTED GAS (RC 42	4,001	3,062	2,975	10,038
MID 17	965810	PALMYRA GAS LOSS-PIPELINE (RC4024)	695	402	399	1,496
MID 17	965812	OGDEN GAS LOSS - VENTED (RC4012)	1,994	12,406	5,364	19,764
MID 17	965813	HARRISBURG GAS LOSS	4,546	1,588	1,328	7,462
MID 17	965824	PLATTEVILLE GAS LOSS-VENTED (RC4415	1,912	1,932	1,924	5,768
MID 17	965900	GARNER LNG	679	77	12,054	12,810
MID 17	965909	PALMYRA GAS LOSS-PIPELINE (RC4029)	360	1,378	1,699	3,437
MID 17	965918	WELCOME MEAS. STA 1/NB INTER. UNS	30	30	30	90
MID 17	965920	LACROSSE SYSTEM ZONE 5	880	850	738	2,468
MID 17	965921	MAINLINE HOOPER SOUTH	1,023	777	826	2,626
MID 17	965922	WATERLOO UPSTREAM PIPELINE GAS LOSS	1,219	1,331	1,399	3,949
MID 17	965923	WATERLOO UPSTREAM HEATER FUEL	1,854	1,144	966	3,964
MID 17	965925	WELCOME MN UNS FOR SECTION 3 SEG 2	1,830	3,890	1,443	7,163
MID 17	965926	CLIFTON DISTRICT TRANS. SOUTH	2,600	1,849	1,614	6,063
MID 17	965957	PIERZ COMPRESSOR GAS LOSS	21	79	193	293
MID 17	965958	ALEXANDRIA COMPRESSOR GAS LOSS	15	85	83	183
MID 17	965959	ST. CLOUD PIPELINE GAS LOSS	1,684	1,491	909	4,084
MID 17	969044	OGDEN REDFIELD FUEL TRANS UNIT 7	4,322	4,470	3,268	12,060
			411,027	346,276	417,479	1,174,782

Schedule No. 2M

Northern Natural Gas Company
 Summary of Winter Market Area Mainline Throughput Mid to Mid

Summer Market Area Fuel Calculations for the period 4/2010-6/2010 Interim filing

Months	April	May	June	Total
Receipt				
MID 16 B	13,049,042	16,555,519	20,096,239	49,700,800
MID 17	32,807,964	38,065,708	36,096,257	106,969,929
				156,670,729

Throughput for 9/2009-10/2009 from Alternate Schedule 2M of February 1, 2010 filing
 in Docket No. RP10-354

	September	October	
Total Main	18,720,751	33,041,545	
MID 17	31,124,218	38,019,387	
	<u>49,844,969</u>	<u>71,060,932</u>	120,905,901

Source: Gas Accounting System (GAS)

Mainline Fuel Summer Market Area Fuel Calculations for the period 4/2010-6/2010 Interim filing

	Section 3 (17)
Section 1 (1-7b)	
Section 2 (8-16a)	
Section 2 (16b)	49,700,800
Section 3 (17)	106,969,929
Total	<u>156,670,729</u> 1/

	<u>Fuel Consumed</u>		<u>Throughput</u>		<u>Percentage</u>
1-7					
8-16b					
17	1,174,782	2/	156,670,729	3/	0.75%
Total	<u>1,174,782</u>				

Backup:

<u>Total Mainline Fuel</u>		<u>Percent 3/ 4/</u>		<u>Section 3 (17)</u>
3	<u>Throughput</u>		Section 1 (1-7b)	-
Section 1-3	-		Section 2 (8-16a)	-
Section 2-3	-		Section 2 (16b)	49,700,800
Section 2-3	49,700,800		Section (17)	106,969,929
Section 3-3	106,969,929		Total	<u>156,670,729</u>
	<u>156,670,729</u>			

1/ See Schedule No. 2M.

2/ See Schedule No. 1.

3/ Section 3 Throughput.

Northern Natural Gas Company
Allocation of Fuel Retained by Section

Schedule No. 4M

Summer Market Area Fuel Calculations for the period 4/2010-6/2010 Interim filing

Fuel Retention

Rec	April	May	June	Section 3 Fuel Retained
Section 2b	56,102	62,859	82,815	201,776
Section 3	139,944	171,681	158,783	470,408
	<hr/> 196,046	<hr/> 234,540	<hr/> 241,598	<hr/> 672,184

Summer Market Area Fuel Calculations for the period 4/2010-6/2010 Interim filing

<u>Mainline Fuel</u>	<u>Section 3</u>
Actual Mainline Fuel Consumed 1/	1,174,782
Actual Mainline Fuel Retained 2/ 2009 True-up Under(Over) Recovered 3/	672,184 (1,216,762)
Actual Mainline Fuel Retained Related to Consumed	<u>1,888,946</u>
Under(Over) Recovered	<u>(714,164)</u>
Sept-Oct. 2009 Throughput Applicable to Mainline Fuel 4/	120,905,901
True-up Adjustment Due (Shipper)Northern	-0.59%

1/ See Schedule No. 1.

2/ See Schedule No. 4M.

3/ September and October allocation of 2009 Mainline Fuel True-up
from Schedule 5M of the February, 2010 filing in Docket No. RP10-354.

Northern Natural Gas Company
PRA - Fuel Methodology
Mainline Fuel

Schedule No. 6M

Summer Market Area Fuel Calculations for the period 4/2010-6/2010 Interim filing
Effective September 1, 2010 - October 31, 2010

<u>Base Mainline Fuel Percent 1/</u>	Section 3
Section 3	0.75%

<u>True-up Mainline Fuel Percent 2/</u>	
Section 3	-0.59%

<u>Total Mainline Fuel Percent 3/ 4/</u>	
Section 3	0.16%

1/ See Schedule No. 3M.

2/ See Schedule No. 5M.

3/ Base Mainline Fuel Percent plus True-up Mainline Fuel Percent.

4/ Total Section 3 fuel with current UAF= -0.16% **0.00%**