



414 Nicollet Mall
Minneapolis, MN 55401

July 28, 2016

—Via Electronic Filing—

Executive Secretary
North Dakota Public Service Commission
State Capitol Building, Dept. 408
600 East Boulevard
Bismarck, ND 58505-0480

RE: COST OF GAS RIDER CHANGE

Dear Executive Secretary:

Northern States Power Company, doing business as Xcel Energy, is filing this COG for gas used on and after August 1, 2016 in North Dakota. The attached schedules show the new gas cost supporting worksheets and applicable pipeline tariff sheets.

The net effect of the COG is a decrease to the Residential rate by \$0.01324 per therm from the July COG rate, 4.03%, or \$0.15 for a typical August North Dakota Residential customer using 11 therms. Compared to July, the Commercial/Industrial price is 3.02% lower and the Interruptible prices are 3.62-3.99% lower.

The decrease is a result of decreased commodity costs. The commodity costs decreased due to market price fluctuations and declining power demand. Compared to last August, prices are 18-23% lower.

The cost-of-gas rates for August are as follows:

<u>Customer Class:</u>	<u>\$/therm</u>
Residential	\$0.31567
Commercial/Industrial	\$0.31682
Small & Large Interruptible	\$0.29287

Please contact John Lyfoung at john.lyfoung@xcelenergy.com or (612) 330-6538 or me at amy.a.liberkowski@xcelenergy.com or (612) 330-6613 if you have questions regarding this filing.

Sincerely,

/s/

AMY LIBERKOWSKI
DIRECTOR, REGULATORY PRICING & ANALYSIS

Enclosures

Northern States Power Company
RETAIL BILLING RATES - NORTH DAKOTA
 August 1, 2016

Schedule A
 Page 1 of 3

Class	Component	Distribution Charge	Cost of Gas	Total Rate
Residential	Basic Service	\$18.48		\$18.48
	Commodity	\$0.00000	\$0.31567	\$0.31567
Commercial/Industrial	Basic Service	\$30.00		\$30.00
	Commodity	\$0.10800	\$0.31682	\$0.42482
Small Interruptible	Basic Service	\$75.00		\$75.00
	Commodity	\$0.08800	\$0.29287	\$0.38087
Large Interruptible	Basic Service	\$275.00		\$275.00
	Commodity	\$0.05120	\$0.29287	\$0.34407

Units:

Customer Charge - \$ per month

Commodity Charge - \$ per therm

COST OF GAS SUMMARY BY CLASS - NORTH DAKOTA

August 1, 2016

		NATURAL GAS COST COMPONENT		
		1	2	3
Cost Summary	Ref	Prior Cost	Current Adjusts	Current Cost
Annual Demand	(a)	0.04386	0.00105	0.04491
<u>Commodity</u>				
Residential	(b)	0.27991	-0.01429	0.26562
C & I	(b)	0.27991	-0.01429	0.26562
Sm Interruptible	(b)	0.27991	-0.01429	0.26562
Large Interruptible	(b)	0.27991	-0.01429	0.26562

		BILLING COST OF GAS BY CLASS (From Column 3)			
Class Summary		Residential	C&I	Small Interruptible	Large Interruptible
Annual Demand		0.04491	0.04491	N / A	N / A
Commodity		0.26562	0.26562	0.26562	0.26562
SUBTOTAL		0.31053	0.31053	0.26562	0.26562
TRUE-UP		0.00514	0.00629	0.02725	0.02725
TOTAL COG		0.31567	0.31682	0.29287	0.29287

DERIVATION OF CURRENT COSTS - NORTH DAKOTA

August 1, 2016

	<u>Demand Cost (Residential and Commercial Firm)</u>	<u>12-Month Cost</u>	<u>Winter Cost</u>	Total Cost
1.	System Demand Detail Total	\$32,538,142	\$23,774,249	
2.	x <u>North Dakota Design Day Ratio</u>	<u>12.01%</u>	<u>12.01%</u>	
3.	North Dakota System Demand Allocation	\$3,907,831	\$2,855,287	
4.	ND Annual / Seasonal Firm Therm Sales (Forecast)	87,021,508	65,000,489	
5.	Demand Unit Cost \$/Therm	\$0.04491	\$0.00000	\$0.04491 (a)
	<u>Commodity Cost</u>			
6.	NNG Annual/Best Effort/Viking/WBI/Xcel Energy Peakshaving			\$5,689,166
7.	x <u>ND Portion of Monthly Retail Sales</u>		<u>13.44%</u>	
8.	ND Portion of Monthly Commodity Costs			\$764,624
9.	ND Budgeted Calendar Month Retail Therm Sales			2,878,619
10.	Commodity Unit Cost \$/Therm (8 / 9)			\$0.26562 (b)
11.	Hedging Cost per Therm (informational)	\$0.00000		
	<u>Total Gas Cost per Therm</u>			
12.	Residential/Commercial & Industrial			\$0.31053 (a) + (b)
13.	Small and Large Interruptible Commodity			\$0.26562 (b)

Northern States Power Company

RETAIL CALENDAR-MONTH BUDGETED SALES FORECAST - DEKATHERMS

<u>MN Cal Mo Dkt Sales</u>	Current <u>Month</u>	2016 <u>Jan</u>	2016 <u>Feb</u>	2016 <u>Mar</u>	2016 <u>Apr</u>	2016 <u>May</u>	2016 <u>June</u>	2016 <u>July</u>	2016 <u>Aug</u>	2015 <u>Sept</u>	2015 <u>Oct</u>	2015 <u>Nov</u>	2015 <u>Dec</u>	<u>Annual</u>
MN Total	1,854,337	12,465,223	10,430,430	8,770,598	5,217,154	3,403,953	2,267,787	1,958,379	1,854,337	2,095,178	4,028,422	7,655,897	10,966,334	71,113,691
<u>ND Cal Mo Dkt Sales</u>														
Res, Firm Commercial	164,103	1,609,302	1,317,343	1,156,973	613,675	364,172	214,147	154,585	164,103	211,642	479,777	978,911	1,437,520	8,702,151
Sm Int	23,563	88,724	82,796	79,693	57,290	41,583	25,790	26,622	23,563	27,467	46,621	66,116	82,448	648,713
Lg Int	100,196	228,130	145,749	159,529	148,678	136,614	103,305	132,636	100,196	80,630	82,582	154,716	185,535	1,658,299
<u>Idept</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
ND Total	287,862	1,926,156	1,545,889	1,396,194	819,643	542,368	343,242	313,843	287,862	319,739	608,981	1,199,743	1,705,502	11,009,163
		1,926,156	1,545,889	1,396,194	819,643	542,368	343,242	313,843	287,862	319,739	608,981	1,199,743	1,705,502	11,009,163
NSPM Total	2,142,199	14,391,379	11,976,318	10,166,792	6,036,797	3,946,322	2,611,029	2,272,222	2,142,199	2,414,917	4,637,402	8,855,640	12,671,836	82,122,853

MN & ND Non-Trnsp	2,142,199
MN %	86.56%
ND%	13.44%

MONTHLY TRUE-UP ESTIMATE OF GAS COST RECOVERY - NORTH DAKOTA

July 2015 through June 2016

	2015						2016					
<u>ND Gas Cost Recovery</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>
Residential	\$167,000	\$138,344	\$152,060	\$280,419	\$580,795	\$1,485,600	\$2,207,758	\$2,136,751	\$1,665,704	\$836,424	\$384,270	\$169,840
Commercial & Industrial	\$392,129	\$362,694	\$380,995	\$498,109	\$903,844	\$1,982,133	\$2,944,974	\$2,712,162	\$2,169,752	\$1,189,854	\$629,317	\$367,062
Small Interruptible	\$78,668	\$73,798	\$72,927	\$80,974	\$95,080	\$190,968	\$208,828	\$237,694	\$212,071	\$118,820	\$80,399	\$62,841
Large Interruptible	\$200,107	\$206,659	\$269,638	\$329,969	\$333,034	\$353,441	\$502,454	\$392,931	\$426,754	\$258,957	\$249,813	\$283,270
Total	\$837,904	\$781,495	\$875,619	\$1,189,471	\$1,912,753	\$4,012,142	\$5,864,014	\$5,479,539	\$4,474,281	\$2,404,055	\$1,343,799	\$883,013
<u>MN-Company Gas Costs</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>
Demand	\$3,023,812	\$2,895,208	\$2,910,659	\$3,032,738	\$3,016,098	\$6,749,670	\$6,760,415	\$6,806,245	\$6,733,775	\$6,613,855	\$3,003,148	\$3,027,563
Commodity	\$8,341,313	\$7,490,890	\$7,493,065	\$6,972,960	\$12,072,612	\$18,186,368	\$26,762,297	\$38,462,242	\$29,310,836	\$16,972,090	\$12,069,974	\$5,799,233
Peak Shaving	\$0	\$0	\$109,763	\$0	\$0	\$81,890	\$114,390	\$123,110	\$105,096	\$103,061	\$144,882	\$0
Total Costs	\$11,365,125	\$10,386,098	\$10,513,488	\$10,005,698	\$15,088,710	\$25,017,928	\$33,637,103	\$45,391,597	\$36,149,707	\$23,689,006	\$15,218,004	\$8,826,796
<u>ND Allocation Factors</u>												
Weighted Avg Demand *	0.1158	0.1158	0.1158	0.1158	0.1201	0.1201	0.1201	0.1201	0.1201	0.1201	0.1201	0.1201
Commodity (Monthly Sales)	0.1229	0.1259	0.1344	0.1388	0.1355	0.1349	0.1387	0.1206	0.1265	0.1327	0.1371	0.1485
Peak Shaving (Monthly Sales)	0.1229	0.1259	0.1344	0.1388	0.1355	0.1349	0.1387	0.1206	0.1265	0.1327	0.1371	0.1485
<u>ND Gas Costs</u>												
Demand	\$350,157	\$335,265	\$337,054	\$351,191	\$362,233	\$810,635	\$811,926	\$817,430	\$808,726	\$794,324	\$360,678	\$363,610
Commodity	\$1,025,147	\$943,103	\$1,007,068	\$967,847	\$1,635,839	\$2,453,341	\$3,711,931	\$4,638,546	\$3,707,821	\$2,252,196	\$1,654,793	\$861,186
Peak Shaving	\$0	\$0	\$14,752	\$0	\$0	\$11,047	\$15,866	\$14,847	\$13,295	\$13,676	\$19,863	\$0
Total Costs	\$1,375,304	\$1,278,368	\$1,358,874	\$1,319,038	\$1,998,072	\$3,275,023	\$4,539,723	\$5,470,823	\$4,529,842	\$3,060,196	\$2,035,334	\$1,224,796
Over (Under) Recovery	(\$537,400)	(\$496,873)	(\$483,255)	(\$129,567)	(\$85,319)	\$737,119	\$1,324,291	\$8,716	(\$55,561)	(\$656,141)	(\$691,535)	(\$341,783)
Deferred Tax (@40.73%)	(\$218,883)	(\$202,376)	(\$196,830)	(\$52,773)	(\$34,750)	\$300,228	\$539,384	\$3,550	(\$22,630)	(\$267,246)	(\$281,662)	(\$139,208)
Net Balance	(\$318,517)	(\$294,497)	(\$286,425)	(\$76,794)	(\$50,569)	\$436,891	\$784,907	\$5,166	(\$32,931)	(\$388,895)	(\$409,873)	(\$202,575)
Cumulative Net Balance	(\$318,517)	(\$613,014)	(\$899,439)	(\$976,233)	(\$1,026,802)	(\$589,911)	\$194,996	\$200,162	\$167,231	(\$221,664)	(\$631,537)	(\$834,112)
Interest Rate	0.03%	0.07%	0.02%	0.02%	0.12%	0.23%	0.26%	0.31%	0.29%	0.23%	0.27%	0.27%
Monthly Interest	\$0	(\$223)	(\$123)	(\$180)	(\$1,171)	(\$2,362)	(\$1,534)	\$604	\$580	\$385	(\$598)	(\$1,705)
Cumulative Interest		(\$223)	(\$346)	(\$526)	(\$1,697)	(\$4,059)	(\$5,593)	(\$4,989)	(\$4,409)	(\$4,024)	(\$4,622)	(\$6,327)

* Wtd Average of Design Day (Sched A, Pg 3)

PUBLIC DOCUMENT
TRADE SECRET DATA EXCISED

Purchased Gas Adjustment, August 2016
Northern States Power Company
Demand Charge Detail

Type	Pipeline	Service Type/ Supplier	Volume Dth per Day	Monthly Demand Rate	No. of Months	Total Annual Cost		12-Month Cost	Winter-Month Cost
						by Supplier	by Pipeline		
<i>FIRM TRANSPORT</i>									
NNG	TF12 112183 (Base)		104,117	\$10.2300	5	\$5,325,584.55		\$5,325,584.55	
	TF12 112183 (Base)		104,117	\$5.6830	7	\$4,141,878.38		\$4,141,878.38	
	TF12 112183 (Variable)		0	\$13.8660	5	\$0.00		\$0.00	
	TF12 112183 (Variable)		0	\$5.6830	7	\$0.00		\$0.00	
	TF5 112183		62,415	\$15.1530	5	\$4,728,872.48			\$4,728,872.48
	TF12 112182 (Base) C/R		0	\$4.0004	12	\$0.00		\$0.00	
	TF12 112182 (Base) LE		0	\$4.6084	12	\$0.00		\$0.00	
	TF12 112182 (Base) Hugo		26,626	\$4.1524	12	\$1,326,741.63		\$1,326,741.63	
	TF12 112182 (Variable) C/R		31,801	\$4.0004	12	\$1,526,600.64		\$1,526,600.64	
	TF12 112182 (Variable) LE		32,608	\$4.6084	12	\$1,803,248.49		\$1,803,248.49	
	TF12 112182 (Variable) Hugo		3,492	\$4.1524	12	\$174,002.17		\$174,002.17	
	TF5 112182 C/R		13,233	\$4.0004	5	\$264,686.47			\$264,686.47
	TF5 112182 LE		15,338	\$4.6084	5	\$353,418.20			\$353,418.20
	TF5 112182 Hugo		1,028	\$4.1524	5	\$21,343.34			\$21,343.34
	TFX 112185 C/R		1,680	\$4.3044	12	\$86,776.70		\$86,776.70	
	TFX 112185 Hugo		7,701	\$4.1524	5	\$159,888.16		\$159,888.16	
	TFX 112185 C/R		48,576	\$4.0004	5	\$971,617.15			\$971,617.15
	TFX 112185 LE		2,270	\$4.6084	5	\$52,305.34			\$52,305.34
	TFX 112185 Hugo		8,546	\$4.1524	5	\$177,432.05			\$177,432.05
	TFX 112185 Hugo		10,000	\$3.3924	12	\$407,088.00		\$407,088.00	
	TFX 112185 Hugo		3,376	\$4.1524	2	\$28,037.00		\$28,037.00	
	TFX 112185 LE		13,333	\$5.7260	5	\$381,723.79			\$381,723.79
	TFX 112185 LE		13,333	\$4.8524	7	\$452,879.34		\$452,879.34	
	TFX 112186		49,005	\$15.1530	5	\$3,712,863.83			\$3,712,863.83
	TFX 112186		27,253	\$5.6830	5	\$774,394.00		\$774,394.00	
	TFX 112186		7,950	\$5.6830	2	\$90,359.70		\$90,359.70	
	TFX 112184		25,000	\$12.5000	5	\$1,562,500.00			\$1,562,500.00
	TFX 122067		7,834	\$8.9796	5	\$351,730.93			\$351,730.93
	TFX 122067		7,834	\$4.3524	7	\$238,676.91		\$238,676.91	
	TFX 122068		8,875	\$15.1530	5	\$672,414.38			\$672,414.38
	TFX 122068		8,875	\$5.6830	7	\$353,056.38		\$353,056.38	
	TFX 111739		28,500	\$15.1530	5	\$2,159,302.50	\$32,299,422.51		\$2,159,302.50
VGT	FTA AF0156		72,213	\$5.3593	12	\$4,644,133.57		\$4,644,133.57	
	FTA AF0044		4,239	\$4.3706	5	\$92,634.87			\$92,634.87
	FTA AF0044		29,002	\$4.3706	12	\$1,521,073.69		\$1,521,073.69	
	FTA AF0103		10,000	\$4.3706	12	\$524,472.00		\$524,472.00	
	FTA AF0037		15,600	\$5.3593	12	\$1,003,260.96		\$1,003,260.96	
	FTA AF0116		1,903	\$4.3706	12	\$99,807.02		\$99,807.02	
	FTA AF0218		15,000	\$5.3593	12	\$964,674.00		\$964,674.00	
	FTA AF0241		12,428	\$4.7507	3	\$177,125.10	\$9,027,181.21		\$177,125.10
ANR	FTS 114492		66,500	\$5.3660	12	\$4,282,068.00		\$4,282,068.00	
	FTS 106209		4,829	\$22.5450	12	\$1,306,437.66		\$1,306,437.66	
	FTS 106211		15,171	\$8.0340	5	\$609,419.07			\$609,419.07
	FTS 106211		4,935	\$8.0340	7	\$277,534.53	\$6,475,459.26		\$277,534.53
GLT	FT17836		3,509	\$9.4560	5	\$165,905.52			\$165,905.52
	FT17836		4,475	\$9.4560	7	\$296,209.20		\$296,209.20	
	FT18071		9,248	\$11.4420	5	\$529,078.08			\$529,078.08
	FT18130		895	\$11.4420	7	\$71,684.13	\$1,062,876.93	\$71,684.13	
WBI	FT-1097		8,000	\$9.2100	12	\$884,160.00		\$884,160.00	
	FT-1125		461	\$9.2100	12	\$50,949.72	\$935,109.72	\$50,949.72	
<i>Subtotal Firm Transport:</i>							\$49,800,049.63	\$32,538,142.00	\$17,261,907.63

3rd PARTY SUPPLIES

[TRADE SECRET BEGINS

TRADE SECRET ENDS]

\$1,776,662.00

\$0.00

\$1,776,662.00

PUBLIC DOCUMENT
TRADE SECRET DATA EXCISED

Purchased Gas Adjustment, August 2016
Northern States Power Company
Demand Charge Detail

Type	Pipeline	Service Type/ Supplier	Volume Dth per Day	Monthly Demand Rate	No. of Months	Total Annual Cost		12-Month Cost	Winter-Month Cost
						by Supplier	by Pipeline		
<i>STORAGE</i>									
	ANR	ANRP: R	15,300	\$0.6801	12	\$124,866.36	\$124,866.36		\$124,866.36
	ANRS	ANRS: R	9,248	\$1.0924	12	\$121,230.18	\$121,230.18		\$121,230.18
	NNG	FDD: R	140,230	\$1.7140	12	\$2,884,250.64			\$2,884,250.64
		FDD: R	78,050	\$1.7140	12	<u>\$1,605,332.40</u>	<u>\$4,489,583.04</u>		<u>\$1,605,332.40</u>
		<i>Subtotal Storage:</i>					\$4,735,679.58		\$4,735,679.58
TOTAL MN/ND ALLOCATED DEMAND:						<u>\$56,312,391.21</u>	<u>\$32,538,142.00</u>		<u>\$23,774,249.21</u>

PUBLIC DOCUMENT
TRADE SECRET DATA EXCISED

Purchased Gas Adjustment, August 2016
Northern States Power Company
Demand Charge Detail Supporting Worksheet

NNG Firm Transportation - TF12 Base 112183

<u>TF12B Annual Dollars</u>	<u>Value</u>	<u>Value</u>	<u>Source</u>
Volume (Dth)	104,117	104,117	Contract
times Total Rate	\$10.230	\$5.683	See detail below
times Month/Year	5	7	
Annual Total	\$5,325,584.55	\$4,141,878.38	
	<u>Rate</u>	<u>Rate</u>	
	Nov-Mar	Apr-Oct	
<u>Cost Components</u>	<u>(\$/Dth)</u>	<u>(\$/Dth)</u>	<u>Source</u>
Base Tariff Rate - TF12	\$10.230	\$5.683	see Note 1

NNG Firm Transportation - TF12 Variable 112183

<u>TF12V Annual Dollars</u>	<u>Value</u>	<u>Value</u>	<u>Source</u>
Volume (Dth)	0	0	Contract
times Total Rate	\$13.866	\$5.683	See detail below
times Month/Year	5	7	
Annual Total	\$0.00	\$0.00	
	<u>Rate</u>	<u>Rate</u>	
	Nov-Mar	Apr-Oct	
<u>Cost Components</u>	<u>(\$/Dth)</u>	<u>(\$/Dth)</u>	<u>Source</u>
Base Tariff Rate - TF12V	\$13.866	\$5.683	see Note 1

NNG Firm Transportation - TF5 112183

<u>TF5 Annual Dollars</u>	<u>Value</u>	<u>Source</u>
Volume (Dth)	62,415	Contract
times Total Rate	\$15.153	See detail below
times Month/Year	5	
Annual Total	\$4,728,872.48	
	<u>Rate</u>	
	Nov-Mar	
<u>Cost Components</u>	<u>(\$/Dth)</u>	<u>Source</u>
Base Tariff Rate - TF5	\$15.153	see Note 1

PUBLIC DOCUMENT
TRADE SECRET DATA EXCISED

Purchased Gas Adjustment, August 2016
Northern States Power Company
Demand Charge Detail Supporting Worksheet

<i>NNG Firm Transportation - TF12 Base 112182</i>				
TF12B Annual Dollars	Cedar/Rosemount	Lake Elmo	Hugo	
<u>Discount Rate</u>	<u>Value</u>	<u>Value</u>	<u>Value</u>	<u>Source</u>
Volume (Dth)	0	0	26,626	Contract
times Discounted Rate	\$4.000	\$4.608	\$4.152	Contract
<u>times Month/Year</u>	<u>12</u>	<u>12</u>	<u>12</u>	<u>Contract</u>
Annual Total	\$0.00	\$0.00	\$1,326,741.63	\$1,326,741.63
TF12B Annual Dollars	Firm Transport	Firm Transport	Firm Transport	
<u>Full Rate (No Discount)</u>	<u>Value</u>	<u>Value</u>	<u>Value</u>	
Volume (Dth)	0	0	26,626	
Annual Total	\$0.00	\$0.00	\$2,421,128.81	\$2,421,128.81
TF12B Annual Savings				\$1,094,387.18

<i>NNG Firm Transportation - TF12 Variable 112182</i>				
TF12V Annual Dollars	Cedar/Rosemount	Lake Elmo	Hugo	
<u>Discount Rate</u>	<u>Value</u>	<u>Value</u>	<u>Value</u>	<u>Source</u>
Volume (Dth)	31,801	32,608	3,492	Contract
times Discounted Rate	\$4.000	\$4.608	\$4.152	Contract
<u>times Month/Year</u>	<u>12</u>	<u>12</u>	<u>12</u>	<u>Contract</u>
Annual Total	\$1,526,600.64	\$1,803,248.49	\$174,002.17	\$3,503,851.30
TF12V Annual Dollars	Firm Transport	Firm Transport	Firm Transport	
<u>Full Rate (No Discount)</u>	<u>Value</u>	<u>Value</u>	<u>Value</u>	
Volume (Dth)	31,801	32,608	3,492	
Annual Total	\$3,469,838.91	\$3,557,891.49	\$381,015.61	\$7,408,746.01
TF12V Annual Savings				\$3,904,894.71

<i>NNG Firm Transportation - TF5 112182</i>				
TF5 Annual Dollars	Cedar/Rosemount	Lake Elmo	Hugo	
<u>Discount Rate</u>	<u>Value</u>	<u>Value</u>	<u>Value</u>	<u>Source</u>
Volume (Dth)	13,233	15,338	1,028	Contract
times Discounted Rate	\$4.000	\$4.608	\$4.152	Contract
<u>times Month/Year</u>	<u>5</u>	<u>5</u>	<u>5</u>	<u>Contract</u>
Annual Total	\$264,686.47	\$353,418.20	\$21,343.34	\$639,448.00
TF5 Annual Dollars	Firm Transport	Firm Transport	Firm Transport	
<u>Full Rate (No Discount)</u>	<u>Value</u>	<u>Value</u>	<u>Value</u>	
Volume (Dth)	13,233	15,338	1,028	
times Total Rate	\$15.153	\$15.153	\$15.153	
<u>times Month/Year</u>	<u>5</u>	<u>5</u>	<u>5</u>	
Annual Total	\$1,002,598.25	\$1,162,083.57	\$77,886.42	\$2,242,568.24
TF5 Annual Savings				\$1,603,120.24

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Purchased Gas Adjustment, August 2016
Northern States Power Company
Demand Charge Detail Supporting Worksheet

NNG Firm Transportation - TFX 112185				
TFX Annual Dollars	Cedar/Rosemount	Lake Elmo	Hugo	
<u>Discount Rate</u>	<u>Value</u>	<u>Value</u>	<u>Value</u>	<u>Source</u>
Volume (Dth)	48,576	2,270	8,546	Contract
times Discounted Rate	\$4.000	\$4.608	\$4.152	Contract
times Month/Year	5	5	5	Contract
Annual Total	\$971,617.15	\$52,305.34	\$177,432.05	\$1,201,354.54
TFX Annual Dollars	Firm Transport	Firm Transport	Firm Transport	
<u>Full Rate (No Discount)</u>	<u>Value</u>	<u>Value</u>	<u>Value</u>	
Volume (Dth)	48,576	2,270	8,546	
times Total Rate	\$15.153	\$15.153	\$15.153	
times Month/Year	5	5	5	
Annual Total	\$3,680,360.64	\$171,986.55	\$647,487.69	\$4,499,834.88
TFX Annual Savings				\$3,298,480.34

NNG Firm Transportation - TFX 112185				
TFX Annual Dollars	Cedar/Rosemount	Hugo		
<u>Discount Rate</u>	<u>Value</u>	<u>Value</u>	<u>Source</u>	<u>Source</u>
Volume (Dth)	1,680	7,701	3,376	Contract
times Discounted Rate	\$4.304	\$4.152	\$4.152	Contract
times Month/Year	12	5	2	Contract
Annual Total	\$86,776.70	\$159,888.16	\$28,037.00	\$274,701.87
TFX Annual Dollars	Firm Transport	Firm Transport	Firm Transport	
<u>Full Rate (No Discount)</u>	<u>Value</u>	<u>Value</u>	<u>Value</u>	
Volume (Dth)	1,680	7,701	3,376	
Annual Total	\$194,117.28	\$218,823.92	\$38,371.62	\$451,312.81
TFX Annual Savings				\$176,610.94

NNG Firm Transportation - TFX 112185 Growth Option				
TFX Annual Dollars	Hugo	Lake Elmo	Lake Elmo	
<u>Discount Rate</u>	<u>Value</u>	<u>Value</u>	<u>Value</u>	<u>Source</u>
Volume (Dth)	10,000	13,333	13,333	Contract
times Discounted Rate	\$3.392	\$5.726	\$4.852	Contract
times Month/Year	12	5	7	Contract
Annual Total	\$407,088.00	\$381,723.79	\$452,879.34	\$1,241,691.13
TFX Annual Dollars	Firm Transport	Firm Transport		
<u>Full Rate (No Discount)</u>	<u>Value</u>	<u>Value</u>		
Volume (Dth)	10,000	13,333		
Annual Total	\$1,155,460.00	\$1,540,574.82	\$2,696,034.82	
TFX Annual Savings			\$1,454,343.68	

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Purchased Gas Adjustment, August 2016
Northern States Power Company
Demand Charge Detail Supporting Worksheet

NNG Firm Transportation - TFX 112186

<u>TFX Annual Dollars</u>	<u>Value</u>	<u>Value</u>	<u>Value</u>	<u>Source</u>
Volume (Dth)	49,005	27,253	7,950	Contract
times Total Rate	\$15.153	\$5.683	\$5.683	See Detail Below
<u>times Month/Year</u>	<u>5</u>	<u>5</u>	<u>2</u>	Contract
Annual Total	\$3,712,863.83	\$774,394.00	\$90,359.70	\$4,577,617.52
	Rate	Rate		
	Nov-Mar	Apr-Oct		
<u>Cost Components</u>	<u>(\$/Dth)</u>	<u>(\$/Dth)</u>	<u>Source</u>	
Base Tariff Rate - TFX	\$15.153	\$5.683	see Note 2	

NNG Firm Transportation - TFX 112184

<u>TFX Annual Dollars</u>	<u>Value</u>	<u>Source</u>
Discount Rate	25,000	Contract
Volume (Dth)	\$12.500	Contract
times Discounted Rate	5	Contract
<u>times Month/Year</u>	<u>5</u>	Contract
Annual Total	\$1,562,500.00	
<u>TFX Annual Dollars</u>	<u>Firm Transport</u>	
<u>Full Rate (No Discount)</u>	<u>Value</u>	
Volume (Dth)	25,000	
times Total Rate	\$15.153	
<u>times Month/Year</u>	<u>5</u>	
Annual Total	\$1,894,125.00	
TFX Annual Savings		\$331,625.00

NNG Firm Transportation - TFX 111739

<u>TFX12 Annual Dollars</u>	<u>Value</u>	<u>Value</u>	<u>Source</u>
Volume (Dth)	28,500		Contract
times Total Rate	\$15.153		See detail below
<u>times Month/Year</u>	<u>5</u>		
Annual Total	\$2,159,302.50	\$0.00	
	Rate	Rate	
	Nov-Mar	Apr-Oct	
<u>Cost Components</u>	<u>(\$/Dth)</u>	<u>(\$/Dth)</u>	<u>Source</u>
Base Tariff Rate - TFX	\$15.153	\$5.683	see Note 2

NNG Firm Transportation - TFX 122067

<u>TFX12 Annual Dollars</u>	<u>Value</u>	<u>Value</u>	<u>Source</u>
Volume (Dth)	7,834	7,834	Contract
times Total Rate	\$8.980	\$4.352	See detail below
<u>times Month/Year</u>	<u>5</u>	<u>7</u>	
Annual Total	\$351,730.93	\$238,676.91	
	Rate	Rate	
	Nov-Mar	Apr-Oct	
<u>Cost Components</u>	<u>(\$/Dth)</u>	<u>(\$/Dth)</u>	
Base Tariff Rate - TFX	\$8.980	\$4.352	

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Purchased Gas Adjustment, August 2016
Northern States Power Company
Demand Charge Detail Supporting Worksheet

NNG Firm Transportation - TFX 122068

<u>TFX12 Annual Dollars</u>	<u>Value</u>	<u>Value</u>	<u>Source</u>
Volume (Dth)	8,875	8,875	Contract
times Total Rate	\$15.153	\$5.683	See detail below
times Month/Year	5	7	
Annual Total	\$672,414.38	\$353,056.38	
	<u>Rate</u>	<u>Rate</u>	
	Nov-Mar	Apr-Oct	
<u>Cost Components</u>	<u>(\$/Dth)</u>	<u>(\$/Dth)</u>	<u>Source</u>
Base Tariff Rate - TFX	\$15.153	\$5.683	see Note 2

VGT Firm Transportation - FTA AF0241

<u>FT-A Annual Dollars</u>	<u>Value</u>	<u>Source</u>	
Volume (Dth)	12,428	Contract	
times Total Rate	\$4.7507	See detail below	
times Month/Year	3		
Annual Total	\$177,125.10		
	<u>Rate</u>		
	Nov-Mar		
<u>Cost Components</u>	<u>(\$/Dth)</u>	<u>Source</u>	<u>Term</u>
Base Tariff Rate - TFX	\$4.751	See Note 3	< 3 Years

VGT Firm Transportation - FTA AF0156

<u>FT-A Annual Dollars</u>	<u>Value</u>	<u>Source</u>	
Volume (Dth)	72,213	Contract	
times Total Rate	\$5.3593	See detail below	
times Month/Year	12		
Annual Total	\$4,644,133.57		
<u>Cost Components</u>	<u>Rate (\$/Dth)</u>	<u>Source</u>	<u>Term</u>
Base Tariff Rate: Cat 3; Zone 1-2	\$5.3593	See Note 3	> 5 Years

VGT Firm Transportation - FTA AF0044

<u>FT-A Annual Dollars</u>	<u>Value</u>	<u>Value</u>	<u>Source</u>
Volume (Dth)	4,239	29,002	Contract
times Total Rate	\$4.3706	\$4.3706	See detail below
times Month/Year	5	12	
Annual Total	\$92,634.87	\$1,521,073.69	
<u>Cost Components</u>	<u>Rate (\$/Dth)</u>	<u>Source</u>	<u>Term</u>
Base Tariff Rate: Cat 3 FTA Zone 1-1	\$4.3706	See Note 3	> 5 Years

VGT Firm Transportation - FTA AF0103

<u>FT-A Annual Dollars</u>	<u>Value</u>	<u>Source</u>	
Volume (Dth)	10,000	Contract	
times Total Rate	\$4.3706	See detail below	
times Month/Year	12		
Annual Total	\$524,472.00		
<u>Cost Components</u>	<u>Rate (\$/Dth)</u>	<u>Source</u>	<u>Term</u>
Base Tariff Rate: Cat 3 FT-A Zone 1-1	\$4.3706	See Note 3	> 5 Years

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Purchased Gas Adjustment, August 2016
Northern States Power Company
Demand Charge Detail Supporting Worksheet

VGT Firm Transportation AF0037

<u>FT-A Annual Dollars</u>	<u>Value</u>	<u>Source</u>	
Volume (Dth)	15,600	Contract	
times Total Rate	\$5.3593	See detail below	
<u>times Month/Year</u>	<u>12</u>		
Annual Total	\$1,003,260.96		
<u>Cost Components</u>	<u>Rate (\$/Dth)</u>	<u>Source</u>	<u>Term</u>
Base Tariff Rate: Cat 3; Zone 1-2	\$5.3593	See Note 3	> 5 Years

VGT Firm Transportation AF0116

<u>FT-A Annual Dollars</u>	<u>Value</u>	<u>Source</u>	
Volume (Dth)	1,903	Contract	
times Total Rate	\$4.3706	See detail below	
<u>times Month/Year</u>	<u>12</u>		
Annual Total	\$99,807.02		
<u>Cost Components</u>	<u>Rate (\$/Dth)</u>	<u>Source</u>	<u>Term</u>
Base Tariff Rate: Cat 3; Zone 1-1	\$4.3706	See Note 3	> 5 Years

VGT Firm Transportation AF0218

<u>FT-A Annual Dollars</u>	<u>Value</u>	<u>Source</u>	
Volume (Dth)	15,000	Contract	
times Total Rate	\$5.3593	See detail below	
<u>times Month/Year</u>	<u>12</u>		
Annual Total	\$964,674.00		
<u>Cost Components</u>	<u>Rate (\$/Dth)</u>	<u>Source</u>	<u>Term</u>
Base Tariff Rate: Cat 3; Zone 1-1	\$5.3593	See Note 3	< 1 Year

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Purchased Gas Adjustment, August 2016
Northern States Power Company
Demand Charge Detail Supporting Worksheet

Firm Transportation - FTS 114492

<u>FTS-1 Annual Dollars</u>	<u>Value</u>	<u>Source</u>
Volume (Dth)	66,500	Contract
times Total Rate	\$5.366	Contract
times Month/Year	12	
Annual Total	\$4,282,068.00	

<u>Cost Components</u>	<u>Rate (\$/Dth)</u>	<u>Source</u>
Negotiated Rate: ML-7 to ML-7	\$5.366	Contract

ANR Firm Transportation - FTS 106209

<u>FTS-1 Annual Dollars</u>	<u>Value</u>	<u>Source</u>
Volume (Dth)	4,829	Contract
times Total Rate	\$22.545	See detail below
times Month/Year	12	
Annual Total	\$1,306,437.66	

<u>Cost Components</u>	<u>Rate (\$/Dth)</u>	<u>Source</u>
Base Tariff Rate: SW to ML-7	\$22.545	See Note 4

ANR Firm Transportation - FTS 106211

<u>FTS-1 Annual Dollars</u>	<u>Value</u>	<u>Value</u>	<u>Source</u>
Volume (Dth)	15,171	4,935	Contract
times Total Rate	\$8.034	\$8.034	See detail below
times Month/Year	5	7	
Annual Total	\$609,419.07	\$277,534.53	

<u>Cost Components</u>	<u>Rate (\$/Dth)</u>	<u>Source</u>
Base Tariff Rate: ML-7 to ML-7	\$8.034	See Note 4

GLT Firm Transportation - FT17836

<u>FT Annual Dollars</u>	<u>Value</u>	<u>Value</u>	<u>Source</u>
Volume (Dth)	3,509	4,475	Contract
times Rate	\$9.456	\$9.456	See detail below
times Month/Year	5	7	
Annual Total	\$165,905.52	\$296,209.20	

<u>Cost Components</u>	<u>Rate (\$/Dth)</u>	<u>Source</u>
Resv Fee: Western to Eastern Zone	\$9.456	see Note 5

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Purchased Gas Adjustment, August 2016
Northern States Power Company
Demand Charge Detail Supporting Worksheet

GLT Firm Transportation - FT18071

<u>FT Annual Dollars</u>	<u>Value</u>	<u>Source</u>
Volume (Dth)	9,248	Contract
times Rate	\$11.442	See detail below
<u>times Month/Year</u>	<u>5</u>	
Annual Total	\$529,078.08	

<u>Cost Components</u>	<u>Rate (\$/Dth)</u>	<u>Source</u>
Resv Fee: Western to Eastern Zone	\$11.442	see Note 5

GLT Firm Transportation - FT18130

<u>FT Annual Dollars</u>	<u>Value</u>	<u>Source</u>
Volume (Dth)	895	Contract
times Rate	\$11.442	See detail below
<u>times Month/Year</u>	<u>7</u>	
Annual Total	\$71,684.13	

<u>Cost Components</u>	<u>Rate (\$/Dth)</u>	<u>Source</u>
Resv Fee: Western to Eastern Zone	\$11.442	see Note 5

WBI Firm Transportation - FT-1097

<u>X-13 Annual Dollars</u>	<u>Value</u>	<u>Source</u>
Volume (Dth)	8,000	Contract
times Rate	\$9.2100	See detail below
<u>times Month/Year</u>	<u>12</u>	
Annual Total	\$884,160.00	

<u>Cost Components</u>	<u>Rate (\$/Dth)</u>	<u>Source</u>
Base Tariff Rate	\$9.21000	see Note 6

WBI Firm Transportation - FT1125

<u>FT-1 Annual Dollars</u>	<u>Value</u>	<u>Source</u>
Volume (Dth)	461	Contract
times Rate	\$9.2100	See detail below
<u>times Month/Year</u>	<u>12</u>	
Annual Total	\$50,949.72	

<u>Cost Components</u>	<u>Rate (\$/Dth)</u>	<u>Source</u>
Base Tariff Rate	\$9.21000	see Note 6

NOTES:

- [1] NNG Sixth Revised Volume No. 1, Seventh Revised Sheet No. 50, Effective April 1, 2014
- [2] NNG Sixth Revised Volume No. 1, Seventh Revised Sheet No. 51, Effective April 1, 2014
- [3] VGT Volume No. 1, Part 5.0 Statement of Rates, Effective January 1, 2015
- [4] ANR Third Revised Volume No. 1, Part 4.3 Statement of Rates, Effective August 1, 2016 Subject to Refund (R)
- [5] GLT Third Revised Volume No. 1, Part 4.1 Statement of Rates, Effective August 1, 2011
- [6] WBI Third Revised Volume No. 1, Eleventh Revised Sheet No. 12, Effective October 1, 2014

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**August-16
Northern States Power Company**

WACOG Worksheet

SUMMARY INFORMATION					
Firm	Interruptible	Combined	High	Low	
NNG	\$2.6478	\$2.6542	\$2.6346	\$2.6647	\$2.6346
VGT	\$2.4119	\$2.6107	\$2.4876	\$2.4150	\$2.4064
WBI	\$2.3926	---	\$2.3926	\$2.3926	\$2.3926
ANR	\$2.6893		\$2.6893	\$2.7903	\$2.5780
SYSTEM	---	---	\$2.6481	\$2.7903	\$2.3926

(1)	(2)	(3)	(4)	(5)	(6)
Commod. Supplier	Commodity Rate \$/Mcf	Reservation Charges \$/Mcf	Commodity Volumes Mcf	(2) x (4) Total Commodity Cost \$	[(2) + (3)] x (4) Total Cost \$

NNG Firm **[TRADE SECRET BEGINS]**

1	\$2.6594	Not included			
2	\$2.6597	Not included			
3	\$2.6647	Not included			
4	\$2.6396	Not included			
0		Not included			
0		Not included			
5	\$2.6346	Not included			
0		Not included			
0		Not included			
0		Not included			
6	\$2.6446	Not included			
7	\$2.6446	Not included			
8	\$2.6446	Not included			
9	\$2.6446	Not included			
0		Not included			
0		Not included			
0		Not included			
Subtotal	\$2.6478				

NNG Interruptible

	\$2.6842	Not included			
	\$2.6485	Not included			
	\$2.6446	Not included			
	\$2.6559	Not included			
Subtotal	\$2.6542				

ANR Storage
FDD Storage
Vent Spot Pur
Demarc Spot Pur

VGT Firm

10	\$2.4064	Not included			
11	\$2.4150	Not included			
		Not included			
Subtotal	\$2.4119				

VGT Interruptible

	\$2.6107	Not included			
Subtotal	\$2.6107				

Emerson Spot Pur

WBI Firm

12	\$2.3926	Not included			
		Not included			
Subtotal	\$2.3926				

TRADE SECRET ENDS]

PUBLIC DOCUMENT
TRADE SECRET DATA EXCISED

Aug-16
Northern States Power Company

WACOG Worksheet

WBI Interruptible

[TRADE SECRET BEGINS]

	\$0.0000	Not included			
Subtotal					

ANR Firm

13	\$2.7903	Not included			
14	\$2.5780	Not included			
Subtotal \$2.6893					

NNG Other

SMS	\$0.0208	Not included			
Subtotal					

NSP Peakshaving

LNG Boiloff	\$3.6700	Not included			
LNG	\$3.6700	Not included			
LPG	\$10.9170	Not included			
Subtotal \$3.6700					

TRADE SECRET ENDS]

(1)	(2)	(3)	(4)	(5) (2) x (4)	(6) [(2) + (3)] x (4)	(7) (2) - [(8) + (9)]	(8)	(9)
Storage Type	Storage Commodity Rate \$/Mcf	Storage Reservation Charges \$/Mcf	Storage Volume Mcf	Storage Commodity Cost \$	Total Cost \$	Gas Cost \$/Mcf	Inject. Charge \$/Mcf	Withdraw Charge \$/Mcf

STORAGE Firm

[TRADE SECRET BEGINS]

	\$1.9200	Not included						
	\$1.9600	Not included						
	\$1.9800	Not included						
Balancing Demand		Not included						
Storage Demand		Not included						
Subtotal #DIV/0!								

TRADE SECRET ENDS]

(1)	(2)	(3)	(4)	(5) (2) x (4) Total Commodity Cost \$	(6) [(2) + (3)] x (4) Total Cost \$
Commod. Supplier	Commodity Rate \$/Mcf	Reservation Charges \$/Mcf	Commodity Volumes Mcf		

Hedging Adjustment/Opportunity Sales

[TRADE SECRET BEGINS]

Hedging Adj.	\$0.0000	Not included			
Opportunity Sales		Not included			
Subtotal #DIV/0!					

TRADE SECRET ENDS]

TOTAL

ALL	\$2.6481	Not included	2,142,199	\$5,672,714	\$5,672,714
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RATE SCHEDULES FTS-1, FTS-4, FTS-4L
 MATRIX OF BASE TARIFF TRANSMISSION RATES PER DTH BY ROUTE
 EXCLUSIVE OF ADDITIONAL CHARGES OR SURCHARGES

RECEIVED FROM	DELIVERED TO	SOUTHEAST			SOUTHWEST			NORTHERN
		S.E. Area (SE)	Southern Segment (ML-2)	Central Segment (ML-3)	S.W. Area (SW)	Southern Segment (ML-5)	Central Segment (ML-6)	Segment (ML-7)
SOUTHEAST AREA (SE)	- Res	\$4.0687	\$11.4969	\$14.4494	\$33.7511	\$30.6984	\$24.9746	\$19.2400
	- Cmd	0.0028	0.0266	0.0379	0.0843	0.0775	0.0633	0.0480
	- MIN	0.0028	0.0266	0.0379	0.0843	0.0775	0.0633	0.0480
	- Ovrn	0.1366	0.4046	0.5129	1.1939	1.0868	0.8844	0.6805
SE - Southern (ML-2)	- Res	\$11.4969	\$10.6718	\$13.6243	\$32.9260	\$29.8733	\$24.1495	\$18.4149
	- Cmd	0.0266	0.0238	0.0351	0.0815	0.0747	0.0605	0.0452
	- MIN	0.0266	0.0238	0.0351	0.0815	0.0747	0.0605	0.0452
	- Ovrn	0.4046	0.3747	0.4830	1.1640	1.0568	0.8545	0.6506
SE - Central (ML-3)	- Res	\$14.4494	\$13.6243	\$6.1961	\$25.4978	\$22.4451	\$16.7213	\$10.9867
	- Cmd	0.0379	0.0351	0.0113	0.0577	0.0509	0.0367	0.0214
	- MIN	0.0379	0.0351	0.0113	0.0577	0.0509	0.0367	0.0214
	- Ovrn	0.5129	0.4830	0.2150	0.8960	0.7888	0.5864	0.3826
SOUTHWEST AREA (SW)	- Res	\$33.7511	\$32.9260	\$25.4978	\$6.2963	\$12.0201	\$17.7547	\$22.5453
	- Cmd	0.0843	0.0815	0.0577	0.0068	0.0210	0.0363	0.0464
	- MIN	0.0843	0.0815	0.0577	0.0068	0.0210	0.0363	0.0464
	- Ovrn	1.1939	1.1640	0.8960	0.2138	0.4162	0.6200	0.7876
SW - Southern (ML-5)	- Res	\$30.6984	\$29.8733	\$22.4451	\$12.0201	\$8.9674	\$14.7020	\$19.4926
	- Cmd	0.0775	0.0747	0.0509	0.0210	0.0142	0.0295	0.0396
	- MIN	0.0775	0.0747	0.0509	0.0210	0.0142	0.0295	0.0396
	- Ovrn	1.0868	1.0568	0.7888	0.4162	0.3090	0.5129	0.6805
SW - Central (ML-6)	- Res	\$24.9746	\$24.1495	\$16.7213	\$17.7547	\$14.7020	\$8.9782	\$13.7688
	- Cmd	0.0633	0.0605	0.0367	0.0363	0.0295	0.0153	0.0254
	- MIN	0.0633	0.0605	0.0367	0.0363	0.0295	0.0153	0.0254
	- Ovrn	0.8844	0.8545	0.5864	0.6200	0.5129	0.3105	0.4781
NORTHERN (ML-7)	- Res	\$19.2400	\$18.4149	\$10.9867	\$22.5453	\$19.4926	\$13.7688	\$8.0342
	- Cmd	0.0480	0.0452	0.0214	0.0464	0.0396	0.0254	0.0101
	- MIN	0.0480	0.0452	0.0214	0.0464	0.0396	0.0254	0.0101
	- Ovrn	0.6805	0.6506	0.3826	0.7876	0.6805	0.4781	0.2742

General Notes:

All rates shown combine area and segment rates for each route, utilizing the transmission rates set forth in Section 4.12 and represent maximum rates unless designated as minimum firm service rates (MIN).

RATE SCHEDULES FSS & DDS
 STATEMENT OF RATES FOR STORAGE OF NATURAL GAS

	Maximum Rate per Dth -----	Minimum Rate per Dth -----
RATE SCHEDULE FSS 1/ For a service term under 4 years -----		
With Ratchets and Seasonal Entitlements -----		
1. Reservation Rate		
a. Deliverability Rate	\$ 0.9710	\$ 0
b. Capacity Rate	\$ 0.7683	\$ 0
2. Commodity Rate		
Injection/Withdrawal	\$ 0.0210	\$ 0.0210
3. Overrun Service Rate	2/	\$ 0.0210
With Ratchets and Flexible Entitlements -----		
1. Reservation Rate		
a. Deliverability Rate	\$ 1.8556	\$ 0
b. Capacity Rate	\$ 0.7683	\$ 0
2. Commodity Rate		
Injection/Withdrawal	\$ 0.0210	\$ 0.0210
3. Overrun Service Rate	2/	\$ 0.0210
Without Ratchets and Seasonal Entitlements -----		
1. Reservation Rate		
a. Deliverability Rate	\$ 1.2138	\$ 0
b. Capacity Rate	\$ 0.7683	\$ 0
2. Commodity Rate		
Injection/Withdrawal	\$ 0.0210	\$ 0.0210
3. Overrun Service Rate	2/	\$ 0.0210
Without Ratchets and Flexible Entitlements -----		
1. Reservation Rate		
a. Deliverability Rate	\$ 2.0984	\$ 0
b. Capacity Rate	\$ 0.7683	\$ 0
2. Commodity Rate		
Injection/Withdrawal	\$ 0.0210	\$ 0.0210
3. Overrun Service Rate	2/	\$ 0.0210

RATE SCHEDULE FSS 1/

For a service term under 10 years to and including 4 years

 With Ratchets and Seasonal Entitlements

1. Reservation Rate		
a. Deliverability Rate	\$ 0.7768	\$ 0
b. Capacity Rate	\$ 0.6146	\$ 0
2. Commodity Rate		
Injection/Withdrawal	\$ 0.0210	\$ 0.0210
3. Overrun Service Rate	2/	\$ 0.0210

 With Ratchets and Flexible Entitlements

1. Reservation Rate		
a. Deliverability Rate	\$ 1.4845	\$ 0
b. Capacity Rate	\$ 0.6146	\$ 0
2. Commodity Rate		
Injection/Withdrawal	\$ 0.0210	\$ 0.0210
3. Overrun Service Rate	2/	\$ 0.0210

 Without Ratchets and Seasonal Entitlements

1. Reservation Rate		
a. Deliverability Rate	\$ 0.9710	\$ 0
b. Capacity Rate	\$ 0.6146	\$ 0
2. Commodity Rate		
Injection/Withdrawal	\$ 0.0210	\$ 0.0210
3. Overrun Service Rate	2/	\$ 0.0210

 Without Ratchets and Flexible Entitlements

1. Reservation Rate		
a. Deliverability Rate	\$ 1.6787	\$ 0
b. Capacity Rate	\$ 0.6146	\$ 0
2. Commodity Rate		
Injection/Withdrawal	\$ 0.0210	\$ 0.0210
3. Overrun Service Rate	2/	\$ 0.0210

RATE SCHEDULE FSS 1/

For a service term of 10 years or greater

 With Ratchets and Seasonal Entitlements

1. Reservation Rate		
a. Deliverability Rate	\$ 0.6801	\$ 0
b. Capacity Rate	\$ 0.5381	\$ 0

2. Commodity Rate		
Injection/Withdrawal	\$ 0.0210	\$ 0.0210
3. Overrun Service Rate	2/	\$ 0.0210

With Ratchets and Flexible Entitlements

1. Reservation Rate		
a. Deliverability Rate	\$ 1.2997	\$ 0
b. Capacity Rate	\$ 0.5381	\$ 0
2. Commodity Rate		
Injection/Withdrawal	\$ 0.0210	\$ 0.0210
3. Overrun Service Rate	2/	\$ 0.0210

Without Ratchets and Seasonal Entitlements

1. Reservation Rate		
a. Deliverability Rate	\$ 0.8501	\$ 0
b. Capacity Rate	\$ 0.5381	\$ 0
2. Commodity Rate		
Injection/Withdrawal	\$ 0.0210	\$ 0.0210
3. Overrun Service Rate	2/	\$ 0.0210

Without Ratchets and Flexible Entitlements

1. Reservation Rate		
a. Deliverability Rate	\$ 1.4697	\$ 0
b. Capacity Rate	\$ 0.5381	\$ 0
2. Commodity Rate		
Injection/Withdrawal	\$ 0.0210	\$ 0.0210
3. Overrun Service Rate	2/	\$ 0.0210

RATE SCHEDULE DDS 3/

1. Storage Commodity Rate	\$ 0.1368	\$ 0.0036
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- 1/ The rates shown are subject to all applicable reservation and volumetric charges or surcharges, under Section 6.24 of the General Terms and Conditions of this Tariff. Section 4.16 reflects the applicable charges and surcharges under these Sections.
- 2/ 100% load factor rate, which is the sum of (a) the product of (1) the Deliverability Reservation Rate, (2) twelve, and (3) the Base Maximum Daily Withdrawal Quantity divided by the Maximum Storage Quantity, (b) the Capacity Reservation Rate and (c) the Injection/Withdrawal Commodity Rate.
- 3/ The rates shown are subject to all applicable volumetric charges or surcharges, under Section 6.24 of the General Terms and Conditions of this Tariff. Section 4.16 reflects the applicable charges and surcharges under these Sections.

STATEMENT OF SURCHARGES

General Terms and Conditions Section	Particulars	Maximum Rate Per Dth	Minimum Rate Per Dth
6.15	Cashout Price Surcharge applicable to Rate Schedules ETS, STS, FTS-1, FTS-2, FTS-3, FTS-4, FTS-4L, ITS, ITS-3, PTS-1, PTS-2 and PTS-3	\$0.0000	\$0.0000
	Cashout Price Negative Surcharge applicable to Rate Schedules ETS, STS, FTS-1, FTS-2, FTS-3, FTS-4, FTS-4L, ITS, ITS-3, PTS-1, PTS-2 and PTS-3	\$0.0000	\$0.0000
6.24	Annual Charge Adjustment applicable to Rate Schedules ETS, STS, FTS-1, ITS FTS-2, FTS-3, FTS-4, FTS-4L, and ITS-3 1/	2/	2/

1/ Refer to listed Section of General Terms and Conditions for applicability to Rate Schedules FSS, DDS and MBS.

2/ The currently effective ACA unit charge as published on the Commission's website (www.ferc.gov) is incorporated herein by reference.

4.17 RESERVED FOR FUTURE USE

STATEMENT OF RATES FOR STORAGE OF NATURAL GAS

RATE SCHEDULE FS -----	Maximum Rate per Dth -----	Minimum Rate per Dth -----
1. Reservation Rate		
a. Deliverability - Monthly	\$ 1.09240	\$ 0
b. Capacity - Monthly	\$ 0.01325	\$ 0
c. Deliverability - Daily (3)(4)	\$ 0.03591	\$ 0
d. Capacity - Daily (3)(4)	\$ 0.00044	\$ 0

2. Injection/Withdrawal Commodity Rate	\$ 0.03230	\$ 0.03230
3. Overrun Service Rate (1)	\$ 0.05174	\$ 0.03230

RATE SCHEDULE IS -----	Maximum Rate per Dth -----	Minimum Rate per Dth -----
1. Commodity Rate	\$ 0.05174	\$ 0.03230

SURCHARGE APPLICABLE TO FS AND IS SERVICE (2) -----	Maximum Rate per Dth -----	Minimum Rate per Dth -----
1. ACA	(5)	(5)

Rate Schedules FS and IS

Seller's Injection Use	1.3 %
Seller's Withdrawal Use	0.2 %

- (1) See Section 5.1.4.2 of Rate Schedule FS for definition.
 (2) See Section 5.1.5 of Rate Schedule FS and Section 5.2.5 of Rate Schedule IS for applicability.
 (3) Rates applicable for Volumetric Rate Capacity Release.
 (4) See Section 6.1 paragraph 9 of the General Terms and Conditions of this Tariff.
 (5) The currently effective ACA unit charge as published on the Commission's website (www.ferc.gov) is incorporated herein by reference.

GREAT LAKES GAS TRANSMISSION LIMITED PARTNERSHIP
 Open Access Rates
 Firm Transportation Service
 Rate Schedule FT 6/ 7/

Receipts in Western Zone - -----	Western	Central	Eastern
	Zone 1/ 2/ 3/ Deliveries	Zone 1/ 2/ 3/ Deliveries	Zone 1/ 2/ 3/ Deliveries
-----	(Rates per Dth)	(Rates per Dth)	(Rates per Dth)
Reservation Fee	\$3,181	\$5,298	\$9,456
Utilization Fee	0.00326	0.00616	0.01080
Max. Volumetric Rate at 100% L.F. 4/ 5/	0.10458	0.17418	0.31088
Receipts in Central Zone - -----			
Reservation Fee	\$5,298	\$2,733	\$6,891
Utilization Fee	0.00616	0.00290	0.00754
Max. Volumetric Rate at 100% L.F. 4/ 5/	0.17418	0.08985	0.22655
Receipts in Eastern Zone - -----			
Reservation Fee	\$9,456	\$6,891	\$4,774
Utilization Fee	0.01080	0.00754	0.00464
Max. Volumetric Rate at 100% L.F. 4/ 5/	0.31088	0.22655	0.15695

Limited Firm Transportation Service
 Rate Schedule LFT 1/ 2/ 3/ 4/ 5/ 6/ 7/

The rates shown above for Service under Rate Schedule FT shall also be applicable to Service under Rate Schedule LFT except that the maximum Reservation Fee shall be adjusted to reflect the appropriate number of Days that Service shall be available utilizing the following formula, rounded to 3 decimal places: $LFT = FT \times ((TD - UD)/TD)$ where:

- LFT = LFT Reservation Fee
- FT = Applicable FT Reservation Fee
- TD = Number of Days during Agreement Term
- UD = Number of Unavailable Days

GREAT LAKES GAS TRANSMISSION LIMITED PARTNERSHIP

Open Access Rates
Firm Transportation Service
Rate Schedule FT

Seasonal Peak Rates 4 Months Nov '14 - Feb '15	Western Zone	Central Zone	Eastern Zone
	Deliveries (Rates per Dth)	Deliveries (Rates per Dth)	Deliveries (Rates per Dth)
<u>Receipts in Western Zone</u>			
Reservation Fee	\$5,389	\$8,975	\$16,019
Utilization Fee	\$0.00394	\$0.00745	\$0.01307
Max. Volumetric Rate at 100% L.F. 4/ 5/	\$0.17716	\$0.29508	\$0.52665
IT Rate	\$0.18110	\$0.30253	\$0.53972
<u>Receipts in Central Zone</u>			
Reservation Fee	\$8,975	\$4,630	\$11,673
Utilization Fee	\$0.00745	\$0.00351	\$0.00912
Max. Volumetric Rate at 100% L.F. 4/ 5/	\$0.29508	\$0.15221	\$0.38378
IT Rate	\$0.30253	\$0.15572	\$0.39290
<u>Receipts in Eastern Zone</u>			
Reservation Fee	\$16,019	\$11,673	\$8,088
Utilization Fee	\$0.01307	\$0.00912	\$0.00561
Max. Volumetric Rate at 100% L.F. 4/ 5/	\$0.52665	\$0.38378	\$0.26590
IT Rate	\$0.53972	\$0.39290	\$0.27151
Seasonal Off Peak Rates 8 Months Apr '14 - Oct '14 and Mar '15	Western Zone	Central Zone	Eastern Zone
	Deliveries (Rates per Dth)	Deliveries (Rates per Dth)	Deliveries (Rates per Dth)
<u>Receipts in Western Zone</u>			
Reservation Fee	\$3,079	\$5,129	\$9,154
Utilization Fee	\$0.00394	\$0.00745	\$0.01307
Max. Volumetric Rate at 100% L.F. 4/ 5/	\$0.10123	\$0.16862	\$0.30094
IT Rate	\$0.10517	\$0.17607	\$0.31401
<u>Receipts in Central Zone</u>			
Reservation Fee	\$5,129	\$2,646	\$6,670
Utilization Fee	\$0.00745	\$0.00351	\$0.00912
Max. Volumetric Rate at 100% L.F. 4/ 5/	\$0.16862	\$0.08698	\$0.21930
IT Rate	\$0.17607	\$0.09049	\$0.22842
<u>Receipts in Eastern Zone</u>			
Reservation Fee	\$9,154	\$6,670	\$4,622
Utilization Fee	\$0.01307	\$0.00912	\$0.00561
Max. Volumetric Rate at 100% L.F. 4/ 5/	\$0.30094	\$0.21930	\$0.15194
IT Rate	\$0.31401	\$0.22842	\$0.15755

RATE SCHEDULE TF

RESERVATION RATES	MARKET-TO-MARKET		FIELD-TO-FIELD/MARKET DEMARCATION
	TF12		TF5
	TF12 Base	Variable	
Base Tariff Rates 1/			TF5
Summer (Apr-Oct)	5.683	5.683	-0-
Winter (Nov-Mar)	10.230	13.066	15.153
			5.473
			9.053

COMMODITY RATES 2/ TF12 Base, TF12 Var., TF5 & TFF		Market Area 3/		Field Mileage 5/ Rate per 100 miles		Carlton Surcharge 4/		Out-of-Balance 3/	
Receipt Point	Delivery Point	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Market	Market	0.0364	0.0195			0.0175	0.0000	0.0364	0.0195
Field	Market	0.0364	0.0195	0.0122	0.0040	0.0175	0.0000		
Market	Field			0.0122	0.0040				
Field	Field			0.0122	0.0040			0.0276	0.0090

- 1/ The minimum reservation rate is equal to zero.
- 2/ The applicable Mileage Indicator Districts (MIDs) billing rate will be added to the TF rates for volumes received in the Field Area, or received in the Market Area and delivered to the Field Area. The MIDs rates shown on Sheet Nos. 59-60A represent the maximum Field Area throughput commodity rates for any transaction involving MIDs. For volumes transported through Northern's Ft. Buford compressor station, the commodity rate, fuel and unaccounted for apply only to volumes that are not ultimately confirmed for re-delivery into Northern's Market Area.
- 3/ The Maximum and Minimum rates include the Market Area Electric Compression charge of \$0.0005 where applicable. In addition, Shipper shall pay the ACA unit surcharge as posted on FERC's website at <http://www.ferc.gov>.
- 4/ Applicable to Market Area shippers as provided for in the Carlton Settlement filed in Docket No. RP96-347 dated October 28, 1996.
- 5/ Where applicable, the Field Area Electric Compression charge of \$0.0000 and the ACA unit surcharge as set forth on FERC's website at <http://www.ferc.gov> will be added to the mileage based rates.

RATE SCHEDULES TFX and LFT

RESERVATION RATES		MARKET-TO-MARKET		FIELD-TO-FIELD			
		Apr-Oct	Nov-Mar	Apr-Oct		Nov-Mar	
Base Tariff Rates 1/		\$5,683	\$15,153	\$5,473		\$9,853	

COMMODITY RATES 2/ TFX and LFT		Market Area 3/		Field Mileage 5/ Rate per 100 miles		Carlton Surcharge 4/		Out-of-Balance 3/	
Receipt Point	Delivery Point	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Market	Market	0.0364	0.0195			0.0175	0.0000	0.0364	0.0195
Field	Market	0.0364	0.0195	0.0122	0.0040	0.0175	0.0000		
Market	Field			0.0122	0.0040				
Field	Field			0.0122	0.0040			0.0276	0.0090

GULF COAST	Reservation 1/		Commodity 6/		Out-of-Balance 6/	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
MOPS Gathering	1.0514	0.0000	0.0000	0.0000	0.0000	0.0000
MOPS Transmission	1.5337	0.0000	0.0000	0.0000	0.0000	0.0000
Tivoli - Downstream	0.6827	0.0000	0.0000	0.0000	0.0000	0.0000
Other Gulf Coast	4.8169	0.0000	0.0000	0.0000	0.0000	0.0000

- 1/ The minimum reservation rate is equal to zero.
- 2/ The applicable Mileage Indicator Districts (MIDs) billing rate will be added to the TF rates for volumes received in the Field Area, or received in the Market Area and delivered to the Field Area. The MIDs rates shown on Sheet Nos. 59-60A represent the maximum Field Area throughput commodity rates for any transaction involving MIDs. For volumes transported through Northern's Ft. Buford compressor station, the commodity rate, fuel and unaccounted for apply only to volumes that are not ultimately confirmed for re-delivery into Northern's Market Area.
- 3/ The Maximum and Minimum rates include the Market Area Electric Compression charge of \$0.0005 where applicable. In addition, shipper shall pay the ACA unit surcharge as posted on FERC's website at <http://www.ferc.gov>.
- 4/ Applicable to Market Area shippers as provided for in the Carlton settlement filed in Docket No. RP96-347 dated October 20, 1996.
- 5/ Where applicable, the Field Area Compression charge of \$0.0000 and the ACA unit surcharge as set forth on FERC's website at <http://www.ferc.gov> will be added to the mileage based rates.
- 6/ In addition to the Maximum and Minimum rates, shipper shall pay the ACA unit surcharge as posted on FERC's website at <http://www.ferc.gov>.

RATE SCHEDULES FDD, PDD, IDD, ILD & SMS

Rate Schedule FDD

Maximum Reservation Fee	1.7140	1/
Maximum Capacity Fee	0.3567	1/
Injection Charge - Firm	0.0149	
Withdrawal Charge - Firm	0.0149	
Annual Rollover Fee	0.3567	1/

Rate Schedule PDD

Maximum Capacity Fee	0.3567	1/
Maximum Monthly Inventory Charge	0.0887	1/
Injection Charge	0.0149	
Withdrawal Charge	0.0149	
Annual Rollover Fee	0.3567	1/

Rate Schedule IDD

Maximum Monthly Inventory Charge	0.0887	1/
Injection Charge	0.0149	
Withdrawal Charge	0.0149	
Annual Rollover Fee	0.3567	1/

Rate Schedule ILD

Maximum Charge	11.7500	
Minimum Charge	0.5044	
Performance Obligation Charge	2.0000	

Rate Schedule SMS

Reservation Fee	2.1000	
Commodity Rate	0.0208	

1/ Minimum Rate is zero.

STATEMENT OF RATES
(Rates Per Dekatherm)

Currently Effective Term-Differentiated Rates

Rate Schedule	Base Tariff Rate
<u>Category 1 (Contract Term of Less than 3 Years)</u>	
Monthly Reservation Rates	
FT-A	
Zone 1-1 Maximum Rate	\$4.7507
Zone 1-1 Minimum Rate	\$0.0000
Zone 1-2 Maximum Rate ^{1/}	\$5.7394
Zone 1-2 Minimum Rate	\$0.0000
Zone 2-2 Maximum Rate	\$3.3143
Zone 2-2 Minimum Rate	\$0.0000
<u>Category 2 (Contract Term of 3 Years to less than 5 Years)</u>	
Monthly Reservation Rates	
FT-A	
Zone 1-1 Maximum Rate	\$4.5607
Zone 1-1 Minimum Rate	\$0.0000
Zone 1-2 Maximum Rate	\$5.5494
Zone 1-2 Minimum Rate	\$0.0000
Zone 2-2 Maximum Rate	\$3.1243
Zone 2-2 Minimum Rate	\$0.0000
<u>Category 3 (Contract Term of 5 or more Years)</u>	
Monthly Reservation Rates	
FT-A	
Zone 1-1 Maximum Rate	\$4.3706
Zone 1-1 Minimum Rate	\$0.0000
Zone 1-2 Maximum Rate	\$5.3593
Zone 1-2 Minimum Rate	\$0.0000
Zone 2-2 Maximum Rate	\$2.9343
Zone 2-2 Minimum Rate	\$0.0000

^{1/} Throughout Viking's Statement of Rates and Tariff, "Zone 1-2" shall mean Transportation Service for quantities received in Zone 1 and delivered in Zone 2 or received in Zone 2 and delivered in Zone 1 whether by transport, exchange, or Displacement.

WBI Energy Transmission, Inc.
 FERC Gas Tariff
 Third Revised Volume No. 1

Twelfth Revised Sheet No. 12
 Superseding
 Eleventh Revised Sheet No. 12

NOTICE OF CURRENTLY EFFECTIVE RATES

(ALL RATES ARE STATED IN CENTS PER DEKATHERM OR EQUIVALENT DEKATHERM AS INDICATED)

RATE SCHEDULE	UNIT	BASE TARIFF RATE	TOP THROUGHPUT SURCHARGE	GAS SUPPLY REALIGNMENT SURCHARGE	BASE TARIFF RATE PLUS SURCHARGES
RATE SCHEDULE FT-1					
RESERVATION CHARGE					
MAXIMUM DAILY DELIVERY QUANTITY (MDDQ)					
MAXIMUM	RATE PER EQV. DKT PER MO.	921.000	N.A.	N.A.	921.000
MINIMUM	RATE PER EQV. DKT PER MO.	0.000	N.A.	N.A.	0.000
COMMODITY CHARGE					
MAXIMUM A/B/C/	RATE PER DKT	2.842	N.A.	N.A.	2.842
MINIMUM A/B/C/	RATE PER DKT	2.842	N.A.	N.A.	2.842
SCHEDULED OVERRUN CHARGE					
MAXIMUM A/B/C/	RATE PER DKT	32.112	N.A.	N.A.	32.112
MINIMUM A/B/C/	RATE PER DKT	2.842	N.A.	N.A.	2.842
VOLUMETRIC CAPACITY RELEASE CHARGE					
MAXIMUM	RATE PER DKT	30.279	N.A.	N.A.	30.279
MINIMUM	RATE PER DKT	0.000	N.A.	N.A.	0.000

- A/ SHIPPER MUST REIMBURSE TRANSPORTER IN-KIND FOR TRANSPORTATION FUEL USE, LOST AND UNACCOUNTED FOR GAS. THE APPLICABLE PERCENTAGE IS 3.867%, CONSISTING OF 3.582% FOR THE CURRENT PERCENTAGE AND 0.285% FOR THE DEFERRAL PERCENTAGE. THIS PERCENTAGE SHALL BE APPLIED TO THE APPLICABLE QUANTITIES OF GAS TENDERED TO TRANSPORTER FOR SHIPPER'S ACCOUNT AT THE RECEIPT POINT(S) INTO TRANSPORTER'S TRANSMISSION FACILITIES.
- B/ SHIPPER MUST REIMBURSE TRANSPORTER FOR ELECTRIC POWER USED FOR TRANSPORTATION. THE APPLICABLE RATE IS 1.138 CENTS, CONSISTING OF 0.818 CENTS FOR THE CURRENT RATE AND 0.320 CENTS FOR THE DEFERRAL RATE. THIS RATE SHALL BE APPLIED TO THE APPLICABLE QUANTITIES OF GAS TENDERED TO TRANSPORTER FOR SHIPPER'S ACCOUNT AT THE RECEIPT POINT(S) INTO TRANSPORTER'S TRANSMISSION FACILITIES.
- C/ SHIPPER MUST REIMBURSE TRANSPORTER FOR THE ACA SURCHARGE. SUCH SURCHARGE SHALL BE THE ACA UNIT CHARGE SPECIFIED IN THE ANNUAL NOTICE ISSUED BY THE FERC ENTITLED "FY [YEAR] GAS ANNUAL CHARGES CORRECTION FOR ANNUAL CHARGES UNIT CHARGE."

Issued On: August 29, 2014
 Docket Number: RP14-1219-000
 FERC Order Date: September 23, 2014

Effective On: October 1, 2014