



414 Nicollet Mall  
Minneapolis, MN 55401

April 29, 2019

—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 May 1, 2019 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 \$0.02343 per therm from the April COG rate, 8.29%, or \$0.52 for a typical May North Dakota Residential customer using 22 therms. Compared to April, the Commercial/Industrial price is 5.9% lower and the Interruptible prices are 6.8-7.6% lower. The decrease is a result of decreased commodity costs. The commodity costs decreased due to diminishing gas demand and steady production levels. Compared to last May, prices are 7-12% lower.

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

<u>Customer Class</u>	<u>\$/therm</u>
Residential	\$0.25912
Commercial/Industrial	\$0.26543
Small Interruptible	\$0.23749
Large Interruptible	\$0.23749

Please contact Michelle Terwilliger at [michelle.m.terwilliger@xcelenergy.com](mailto:michelle.m.terwilliger@xcelenergy.com) or (612) 330-5845, or me at [lisa.r.peterson@xcelenergy.com](mailto:lisa.r.peterson@xcelenergy.com) or (612) 330-7681 if you have questions regarding this filing.

Sincerely,

/s/

LISA PETERSON  
MANAGER, REGULATORY ANALYSIS

Enclosures

Class	Component	Distribution Charge	Cost of Gas	Total Rate
Residential	Basic Service	\$18.48		\$18.48
	Commodity	\$0.00000	\$0.25912	\$0.25912
Commercial/Industrial	Basic Service	\$30.00		\$30.00
	Commodity	\$0.10800	\$0.26543	\$0.37343
Small Interruptible	Basic Service	\$75.00		\$75.00
	Commodity	\$0.08800	\$0.23749	\$0.32549
Large Interruptible	Basic Service	\$275.00		\$275.00
	Commodity	\$0.05120	\$0.23749	\$0.28869

Units:

Customer Charge - \$ per month  
 Commodity Charge - \$ per therm

**COST OF GAS SUMMARY BY CLASS - NORTH DAKOTA**

May 1, 2019

NATURAL GAS COST COMPONENT

	Ref	1	2	3
		Prior Cost	Current Adjusts	Current Cost
<b>Cost Summary</b>				
Annual Demand	(a)	0.04520	0.00032	0.04552
<u>Commodity</u>				
Residential	(b)	0.24457	-0.02375	0.22082
C & I	(b)	0.24457	-0.02375	0.22082
Sm Interruptible	(b)	0.24457	-0.02375	0.22082
Large Interruptible	(b)	0.24457	-0.02375	0.22082

BILLING COST OF GAS BY CLASS (From Column 3)

<b>Class Summary</b>	Residential	C&I	Small Interruptible	Large Interruptible
Annual Demand	0.04552	0.04552	N / A	N / A
<u>Commodity</u>	0.22082	0.22082	0.22082	0.22082
SUBTOTAL	0.26634	0.26634	0.22082	0.22082
<u>TRUE-UP</u>	-0.00722	-0.00091	0.01667	0.01667
<u>TOTAL COG</u>	0.25912	0.26543	0.23749	0.23749

**DERIVATION OF CURRENT COSTS - NORTH DAKOTA**

May 1, 2019

	<u>12-Month Cost</u>	<u>Winter Cost</u>	Total Cost
<b><u>Demand Cost (Residential and Commercial Firm)</u></b>			
1. System Demand Detail Total	\$33,791,577	\$24,150,101	
2. <u>x North Dakota Design Day Ratio</u>	<u>12.49%</u>	<u>12.49%</u>	
3. North Dakota System Demand Allocation	\$4,220,568	\$3,016,348	
4. ND Annual / Seasonal Firm Therm Sales (Forecast)	92,716,000	70,670,742	
5. Demand Unit Cost \$/Therm	\$0.04552	\$0.00000	\$0.04552 (a)
<b><u>Commodity Cost</u></b>			
6. NNG Annual/Best Effort/Viking/WBI/Xcel Energy Peakshaving			\$7,470,301
7. <u>x ND Portion of Monthly Retail Sales</u>			<u>14.58%</u>
8. ND Portion of Monthly Commodity Costs			\$1,089,170
9. ND Budgeted Calendar Month Retail Therm Sales			4,932,400
10. Commodity Unit Cost \$/Therm (8 / 9)			\$0.22082 (b)
11. Hedging Cost per Therm (informational)	\$0.00000		
<b><u>Total Gas Cost per Therm</u></b>			
12. Residential/Commercial & Industrial			<b>\$0.26634</b> (a) + (b)
13. Small and Large Interruptible Commodity			<b>\$0.22082</b> (b)

Northern States Power Company

RETAIL CALENDAR-MONTH BUDGETED SALES FORECAST - DEKATHERMS

<u>MN Cal Mo Dkt Sales</u>	Current Month	2019 Jan	2019 Feb	2019 Mar	2019 Apr	2019 May	2019 June	2019 July	2019 Aug	2018 Sept	2018 Oct	2018 Nov	2018 Dec	Annual
MN Total	2,889,885	12,945,679	11,088,342	9,086,816	5,028,561	2,889,885	1,919,717	1,764,411	1,838,280	2,148,629	4,083,126	7,687,353	11,544,618	72,025,417
<u>ND Cal Mo Dkt Sales</u>														
Res, Firm Commercial	337,133	1,778,307	1,451,940	1,237,703	625,391	337,133	179,005	156,606	169,491	230,076	506,823	1,032,383	1,566,741	9,271,600
Sm Int	33,939	87,675	68,526	82,095	45,631	33,939	31,087	23,246	25,339	28,025	41,548	61,844	81,128	610,083
Lg Int	122,168	196,599	194,176	206,721	139,782	122,168	162,626	133,687	152,915	134,485	173,430	202,007	199,122	2,017,717
I'dept	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ND Total	493,240	2,062,580	1,714,642	1,526,519	810,805	493,240	372,718	313,540	347,745	392,586	721,800	1,296,234	1,846,992	11,899,400
NSPM Total	3,383,125	15,008,260	12,802,984	10,613,336	5,839,366	3,383,125	2,292,434	2,077,951	2,186,025	2,541,214	4,804,926	8,983,586	13,391,609	83,924,817

MN & ND Non-Trnsp	3,383,125
MN %	85.42%
ND%	14.58%

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

July 2018 through March 2019

	2018						2019					
<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	\$136,200	\$146,220	\$133,596	\$699,743	\$1,367,410	\$2,488,060	\$3,726,540	\$3,569,849	\$3,043,617	\$0	\$0	\$0
Commercial & Industrial	\$372,596	\$388,929	\$383,560	\$977,422	\$1,933,279	\$3,649,335	\$4,903,923	\$4,613,494	\$4,111,597	\$0	\$0	\$0
Small Interruptible	\$76,366	\$76,128	\$75,645	\$125,223	\$170,945	\$292,715	\$318,361	\$277,983	\$267,462	\$0	\$0	\$0
Large Interruptible	\$297,489	\$381,705	\$397,463	\$436,569	\$580,052	\$908,125	\$1,017,715	\$726,375	\$828,118	\$0	\$0	\$0
<b>Total</b>	<b>\$882,650</b>	<b>\$992,981</b>	<b>\$990,265</b>	<b>\$2,238,956</b>	<b>\$4,051,687</b>	<b>\$7,338,235</b>	<b>\$9,966,539</b>	<b>\$9,187,702</b>	<b>\$8,250,795</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<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	\$2,979,448	\$3,045,045	\$3,043,791	\$3,175,732	\$3,151,293	\$6,980,160	\$6,988,271	\$6,971,714	\$6,859,501	\$0	\$0	\$0
Commodity	\$7,308,392	\$8,163,615	\$8,206,430	\$8,896,570	\$21,622,517	\$38,368,672	\$54,118,947	\$57,231,717	\$44,558,713	\$0	\$0	\$0
Peak Shaving	\$82,987	\$54,493	\$0	\$0	\$0	\$19,569	\$75,900	\$89,694	\$472,158	\$0	\$0	\$0
<b>Total Costs</b>	<b>\$10,370,827</b>	<b>\$11,263,153</b>	<b>\$11,250,221</b>	<b>\$12,072,302</b>	<b>\$24,773,810</b>	<b>\$45,368,401</b>	<b>\$61,183,118</b>	<b>\$64,293,125</b>	<b>\$51,890,371</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<u>ND Allocation Factors</u>												
Weighted Avg Demand *	0.1243	0.1243	0.1243	0.1243	0.1249	0.1249	0.1249	0.1249	0.1249	0.1249	0.1249	0.0000
Commodity (Monthly Sales)	0.1457	0.1580	0.1554	0.1656	0.1410	0.1378	0.1435	0.1436	0.1394	0.0000	0.0000	0.0000
Peak Shaving (Monthly Sales)	0.1457	0.1580	0.1554	0.1656	0.1410	0.1378	0.1435	0.1436	0.1394	0.0000	0.0000	0.0000
<u>ND Gas Costs</u>												
Demand	\$370,345	\$378,499	\$378,343	\$394,743	\$393,596	\$871,822	\$872,835	\$870,767	\$856,752	\$0	\$0	\$0
Commodity	\$1,064,833	\$1,289,851	\$1,275,279	\$1,473,272	\$3,048,775	\$5,287,203	\$7,766,069	\$8,218,475	\$6,211,485	\$0	\$0	\$0
Peak Shaving	\$12,091	\$8,610	\$0	\$0	\$0	\$2,697	\$10,892	\$12,880	\$65,819	\$0	\$0	\$0
<b>Total Costs</b>	<b>\$1,447,269</b>	<b>\$1,676,960</b>	<b>\$1,653,622</b>	<b>\$1,868,015</b>	<b>\$3,442,371</b>	<b>\$6,161,722</b>	<b>\$8,649,796</b>	<b>\$9,102,122</b>	<b>\$7,134,056</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
Over (Under) Recovery	(\$564,619)	(\$683,979)	(\$663,357)	\$370,941	\$609,316	\$1,176,513	\$1,316,743	\$85,580	\$1,116,739	\$0	\$0	\$0
Deferred Tax (@24.4%)	(\$137,767)	(\$166,891)	(\$161,859)	\$90,510	\$148,673	\$287,069	\$321,285	\$20,882	\$272,484	\$0	\$0	\$0
Net Balance	(\$426,852)	(\$517,088)	(\$501,498)	\$280,431	\$460,643	\$889,444	\$995,458	\$64,698	\$844,255	\$0	\$0	\$0
Cumulative Net Balance	(\$426,852)	(\$943,940)	(\$1,445,438)	(\$1,165,006)	(\$704,364)	\$185,081	\$1,180,539	\$1,245,237	\$2,089,492	\$0	\$0	\$0
Interest Rate	1.96%	2.03%	2.13%	2.25%	2.33%	2.37%	2.37%	2.39%	2.40%	0.00%	0.00%	0.00%
Monthly Interest	\$0	(\$8,665)	(\$20,106)	(\$32,522)	(\$27,145)	(\$16,693)	\$4,386	\$28,215	\$29,886	\$0	\$0	\$0
Cumulative Interest		(\$8,665)	(\$28,771)	(\$61,293)	(\$88,438)	(\$105,131)	(\$100,745)	(\$72,530)	(\$42,644)	(\$42,644)	(\$42,644)	(\$42,644)

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

**PUBLIC DOCUMENT**  
**NOT PUBLIC DATA HAS BEEN EXCISED**

**Purchased Gas Adjustment, May 2019**  
**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	\$4.3335	12	\$0.00		\$0.00	
		TF12 112182 (Base) LE	0	\$4.9415	12	\$0.00		\$0.00	
		TF12 112182 (Base) Hugo	19,341	\$4.4855	12	\$1,041,048.67		\$1,041,048.67	
		TF12 112182 (Variable) C/R	31,801	\$4.3335	12	\$1,653,715.60		\$1,653,715.60	
		TF12 112182 (Variable) LE	32,608	\$4.9415	12	\$1,933,589.18		\$1,933,589.18	
		TF12 112182 (Variable) Hugo	10,777	\$4.4855	12	\$580,082.80		\$580,082.80	
		TF5 112182 C/R	13,233	\$4.3335	5	\$286,726.03			\$286,726.03
		TF5 112182 LE	15,338	\$4.9415	5	\$378,963.64			\$378,963.64
		TF5 112182 Hugo	1,028	\$4.4855	5	\$23,055.47			\$23,055.47
		TFX 112185 C/R	1,680	\$4.6375	12	\$93,492.00		\$93,492.00	
		TFX 112185 Hugo	7,701	\$4.4855	5	\$172,714.18		\$172,714.18	
		TFX 112185 C/R	48,576	\$4.3335	5	\$1,052,520.48			\$1,052,520.48
		TFX 112185 LE	2,270	\$4.9415	5	\$56,086.03			\$56,086.03
		TFX 112185 Hugo	8,546	\$4.4855	5	\$191,665.42			\$191,665.42
		TFX 112185 Hugo	10,000	\$3.7255	12	\$447,060.00		\$447,060.00	
		TFX 112185 Hugo	3,376	\$4.4855	2	\$30,286.10		\$30,286.10	
		TFX 112185 C/R	16,666	\$6.4847	5	\$540,370.05			\$540,370.05
		TFX 112185 LE	16,666	\$4.8815	7	\$569,485.55		\$569,485.55	
		TFX 112186	57,491	\$15.1530	5	\$4,355,805.62			\$4,355,805.62
		TFX 112186	35,739	\$5.6830	5	\$1,015,523.69		\$1,015,523.69	
		TFX 112186	16,436	\$5.6830	2	\$186,811.58		\$186,811.58	
		TFX 112184	25,000	\$12.5000	5	\$1,562,500.00			\$1,562,500.00
		TFX 122067	10,291	\$9.7383	5	\$501,084.23			\$501,084.23
		TFX 122067	10,291	\$4.3815	7	\$315,630.12		\$315,630.12	
		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	\$34,369,325.11		\$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 AF0329	20,200	\$4.3706	12	\$1,059,433.44	\$9,909,489.55	\$1,059,433.44	
ANR		FTS 114492	66,500	\$5.3660	12	\$4,282,068.00		\$4,282,068.00	
		FTS 106209	4,829	\$9.1300	12	\$529,065.24		\$529,065.24	
		FTS 106211	15,171	\$5.7290	5	\$434,573.30			\$434,573.30
		FTS 106211	5,448	\$5.7290	7	\$218,481.14	\$5,464,187.68		\$218,481.14
GLT		FT18394	3,509	\$8.1860	5	\$143,623.37			\$143,623.37
		FT18394	4,475	\$8.1860	7	\$256,426.45		\$256,426.45	
		FT18071	9,248	\$8.1860	5	\$378,520.64			\$378,520.64
		FT18130	895	\$8.1860	7	\$51,285.29	\$829,855.75	\$51,285.29	
WBI		FT-1097	8,000	\$11.5899	12	\$1,112,633.28		\$1,112,633.28	
		FT-1125	461	\$11.5899	12	\$64,115.49	\$1,176,748.77	\$64,115.49	
<i>Capacity Release Revenue:</i>									
VGT		FTA AF0037	10,000	(\$2.5833)	7	(\$180,830.00)	(\$180,830.00)	(\$180,830.00)	
<i>Subtotal Firm Transport:</i>						\$51,568,776.86		\$33,791,577.21	\$17,777,199.65
<i>3rd PARTY SUPPLIES</i>									
<b>[PROTECTED DATA BEGINS</b>									
<b>PROTECTED DATA END]</b>									
						\$1,435,020.00		\$0.00	\$1,435,020.00

**PUBLIC DOCUMENT**  
**NOT PUBLIC DATA HAS BEEN EXCISED**

**Purchased Gas Adjustment, May 2019**  
**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	15,295	\$1.7820	12	\$327,068.28	\$327,068.28		\$327,068.28
	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>					\$4,937,881.50		\$4,937,881.50
<b>TOTAL MN/ND ALLOCATED DEMAND:</b>							<u>\$57,941,678.36</u>	<u>\$33,791,577.21</u>	<u>\$24,150,101.15</u>

**PUBLIC DOCUMENT**  
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**Purchased Gas Adjustment, May 2019**  
**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
<u>times Month/Year</u>	<u>5</u>	<u>7</u>	
Annual Total	\$5,325,584.55	\$4,141,878.38	

  

<u>Cost Components</u>	<u>Rate</u> Nov-Mar <u>(\$/Dth)</u>	<u>Rate</u> Apr-Oct <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
<u>times Month/Year</u>	<u>5</u>	<u>7</u>	
Annual Total	\$0.00	\$0.00	

  

<u>Cost Components</u>	<u>Rate</u> Nov-Mar <u>(\$/Dth)</u>	<u>Rate</u> Apr-Oct <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
<u>times Month/Year</u>	<u>5</u>	
Annual Total	\$4,728,872.48	

  

<u>Cost Components</u>	<u>Rate</u> Nov-Mar <u>(\$/Dth)</u>	<u>Source</u>
Base Tariff Rate - TF5	\$15.153	see Note 1

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Purchased Gas Adjustment, May 2019  
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	19,341	Contract
times Discounted Rate	\$4.334	\$4.942	\$4.486	Contract
times Month/Year	12	12	12	Contract
Annual Total	\$0.00	\$0.00	\$1,041,048.67	\$1,041,048.67
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	19,341	
Annual Total	\$0.00	\$0.00	\$1,758,696.47	\$1,758,696.47
TF12B Annual Savings				\$717,647.81

<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	10,777	Contract
times Discounted Rate	\$4.334	\$4.942	\$4.486	Contract
times Month/Year	12	12	12	Contract
Annual Total	\$1,653,715.60	\$1,933,589.18	\$580,082.80	\$4,167,387.59
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	10,777	
Annual Total	\$3,469,838.91	\$3,557,891.49	\$1,175,889.25	\$8,203,619.65
TF12V Annual Savings				\$4,036,232.06

<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	\$4.334	\$4.942	\$4.486	Contract
times Month/Year	5	5	5	Contract
Annual Total	\$286,726.03	\$378,963.64	\$23,055.47	\$688,745.13
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	
times Month/Year	5	5	5	
Annual Total	\$1,002,598.25	\$1,162,083.57	\$77,886.42	\$2,242,568.24
TF5 Annual Savings				\$1,553,823.10

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Purchased Gas Adjustment, May 2019  
Northern States Power Company  
Demand Charge Detail Supporting Worksheet

<b>NNG Firm Transportation - TFX 112185</b>				
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	\$4.334	\$4.942	\$4.486	Contract
times Month/Year	5	5	5	Contract
Annual Total	\$1,052,520.48	\$56,086.03	\$191,665.42	\$1,300,271.92
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				\$3,199,562.96

<b>NNG Firm Transportation - TFX 112185</b>				
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	\$4.638	\$4.486	\$4.486	Contract
times Month/Year	12	5	2	Contract
Annual Total	\$93,492.00	\$172,714.18	\$30,286.10	\$296,492.27
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				\$154,820.54

<b>NNG Firm Transportation - TFX 112185 Growth Option</b>				
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	16,666	16,666	Contract
times Discounted Rate	\$3.726	\$6.485	\$4.882	Contract
times Month/Year	12	5	7	Contract
Annual Total	\$447,060.00	\$540,370.05	\$569,485.55	\$1,556,915.60
TFX Annual Dollars	Firm Transport	Firm Transport		
<u>Full Rate (No Discount)</u>	<u>Value</u>	<u>Value</u>		
Volume (Dth)	10,000	16,666		
Annual Total	\$1,155,460.00	\$1,925,689.64	\$3,081,149.64	
TFX Annual Savings				\$1,524,234.03

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Purchased Gas Adjustment, May 2019  
Northern States Power Company  
Demand Charge Detail Supporting Worksheet

<b>NNG Firm Transportation - TFX 112186</b>				
<u>TFX Annual Dollars</u>	<u>Value</u>	<u>Value</u>	<u>Value</u>	<u>Source</u>
Volume (Dth)	57,491	35,739	16,436	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	\$4,355,805.62	\$1,015,523.69	\$186,811.58	\$5,558,140.88
	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	

<b>NNG Firm Transportation - TFX 112184</b>				
<u>TFX Annual Dollars</u>	<u>Value</u>	<u>Source</u>		
Discount Rate				
Volume (Dth)	25,000	Contract		
times Discounted Rate	\$12.500	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

<b>NNG Firm Transportation - TFX 111739</b>				
<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	

<b>NNG Firm Transportation - TFX 122067</b>				
<u>TFX12 Annual Dollars</u>	<u>Value</u>	<u>Value</u>	<u>Source</u>	
Volume (Dth)	10,291	10,291	Contract	
times Total Rate	\$9.738	\$4.382	See detail below	
<u>times Month/Year</u>	<u>5</u>	<u>7</u>		
Annual Total	\$501,084.23	\$315,630.12		
	Rate	Rate		
	Nov-Mar	Apr-Oct		
<u>Cost Components</u>	<u>(\$/Dth)</u>	<u>(\$/Dth)</u>		
Discount Rate - TFX	\$9.738	\$4.382		

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**Purchased Gas Adjustment, May 2019**  
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**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
<u>times Month/Year</u>	<u>5</u>	<u>7</u>	
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 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	
<u>times Month/Year</u>	<u>12</u>		
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
<u>times Month/Year</u>	<u>5</u>	<u>12</u>	
Annual Total	\$92,634.87	\$1,521,073.69	
	<u>Rate</u>		
<u>Cost Components</u>	<u>(\$/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	
<u>times Month/Year</u>	<u>12</u>		
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, May 2019**  
**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	> 5 Years

**VGT Firm Transportation AF0329**

<u>FT-A Annual Dollars</u>	<u>Value</u>	<u>Source</u>
Volume (Dth)	20,200	Contract
times Total Rate	\$4.3706	See detail below
<u>times Month/Year</u>	<u>12</u>	
Annual Total	\$1,059,433.44	

<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

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**Purchased Gas Adjustment, May 2019**  
**Northern States Power Company**  
**Demand Charge Detail Supporting Worksheet**

**ANR Firm Transportation - FTS 11492**

<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>Value</u>	<u>Value</u>
Volume (Dth)	4,829	Contract	0
times Total Rate	\$9.130	see Note 4/Contract	See detail below
times Month/Year	5	7	
Annual Total	\$220,443.85	#VALUE!	

<u>Cost Components</u>	<u>Rate (\$/Dth)</u>	<u>Rate (\$/Dth)</u>	<u>Source</u>
Base Tariff Rate: SW to ML-7	\$9.130	see Note 4/Contract	see Note 4/Contract

**ANR Firm Transportation - FTS 106211**

<u>FTS-1 Annual Dollars</u>	<u>Value</u>	<u>Value</u>	<u>Source</u>
Volume (Dth)	15,171	5,448	Contract
times Total Rate	\$5.729	\$5.729	See detail below
times Month/Year	5	7	
Annual Total	\$434,573.30	\$218,481.14	

<u>Cost Components</u>	<u>Rate (\$/Dth)</u>	<u>Source</u>
Base Tariff Rate: ML-7 to ML-7	\$5.729	See Note 4

**GLT Firm Transportation - FT18394**

<u>FT Annual Dollars</u>	<u>Value</u>	<u>Value</u>	<u>Source</u>
Volume (Dth)	3,509	4,475	Contract
times Rate	\$8.186	\$8.186	See detail below
times Month/Year	5	7	
Annual Total	\$143,623.37	\$256,426.45	

<u>Cost Components</u>	<u>Rate (\$/Dth)</u>	<u>Source</u>
Resv Fee: Western to Eastern Zone	\$8.186	see Note 6

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**Purchased Gas Adjustment, May 2019**  
**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	\$8.186	See detail below
<u>times Month/Year</u>	<u>5</u>	
Annual Total	\$378,520.64	

<u>Cost Components</u>	<u>Rate (\$/Dth)</u>	<u>Source</u>
Resv Fee: Western to Eastern Zone	\$8.186	see Note 6

**GLT Firm Transportation - FT18130**

<u>FT Annual Dollars</u>	<u>Value</u>	<u>Source</u>
Volume (Dth)	895	Contract
times Rate	\$8.186	See detail below
<u>times Month/Year</u>	<u>7</u>	
Annual Total	\$51,285.29	

<u>Cost Components</u>	<u>Rate (\$/Dth)</u>	<u>Source</u>
Resv Fee: Western to Eastern Zone	\$8.186	see Note 6

**WBI Firm Transportation - FT-1097**

<u>X-13 Annual Dollars</u>	<u>Value</u>	<u>Source</u>
Volume (Dth)	8,000	Contract
times Rate	\$11.5899	See detail below
<u>times Month/Year</u>	<u>12</u>	
Annual Total	\$1,112,633.28	

<u>Cost Components</u>	<u>Rate (\$/Dth)</u>	<u>Source</u>
Base Tariff Rate	\$11.58993	see Note 7

**WBI Firm Transportation - FT1125**

<u>FT-1 Annual Dollars</u>	<u>Value</u>	<u>Source</u>
Volume (Dth)	461	Contract
times Rate	\$11.5899	See detail below
<u>times Month/Year</u>	<u>12</u>	
Annual Total	\$64,115.49	

<u>Cost Components</u>	<u>Rate (\$/Dth)</u>	<u>Source</u>
Base Tariff Rate	\$11.58993	see Note 7

**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



May-19  
Northern States Power Company

WACOG Worksheet

**WBI Interruptible**

[PROTECTED DATA BEGINS]

	\$0.0000	Not included			
Subtotal					

**ANR Firm**

0	\$2.5989	Not included			
0	\$2.6897	Not included			
11	\$2.0943	Not included			
Subtotal #DIV/0!					

**NNG Other**

SMS	\$0.0208	Not included			
Subtotal					

**NSP Peakshaving**

LNG Boiloff	\$3.3100	Not included			
LNG	\$3.3100	Not included			
LPG	\$9.7161	Not included			
Subtotal #DIV/0!					

PROTECTED DATA 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**

[PROTECTED DATA BEGINS]

Balancing Demand	\$2.6800	Not included						
Storage Demand	\$2.6700	Not included						
	\$2.7400	Not included						
Subtotal #DIV/0!								

PROTECTED DATA 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**

[PROTECTED DATA BEGINS]

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

PROTECTED DATA ENDS]

**TOTAL**

ALL	\$2.1999	Not included	3,383,125	\$7,442,489	\$7,442,489
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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	\$ 2.3590	\$ 8.7620	\$11.1210	\$19.8830	\$17.1870	\$15.1650	\$13.1430
	- Cmd	0.0027	0.0142	0.0169	0.0303	0.0236	0.0216	0.0189
	- MIN	0.0027	0.0142	0.0169	0.0303	0.0236	0.0216	0.0189
	- Ovrn	0.0802	0.3022	0.3824	0.6840	0.5887	0.5202	0.4509
SE - Southern (ML-2)	- Res	\$ 8.7620	\$ 6.4030	\$ 8.7620	\$17.5240	\$14.8280	\$12.8060	\$10.7840
	- Cmd	0.0142	0.0115	0.0142	0.0276	0.0209	0.0189	0.0162
	- MIN	0.0142	0.0115	0.0142	0.0276	0.0209	0.0189	0.0162
	- Ovrn	0.3022	0.2220	0.3022	0.6038	0.5083	0.4399	0.3707
SE - Central (ML-3)	- Res	\$11.1210	\$ 8.7620	\$ 6.0660	\$14.8280	\$12.1320	\$10.1100	\$ 8.0880
	- Cmd	0.0169	0.0142	0.0108	0.0243	0.0175	0.0155	0.0128
	- MIN	0.0169	0.0142	0.0108	0.0243	0.0175	0.0155	0.0128
	- Ovrn	0.3824	0.3022	0.2102	0.5117	0.4164	0.3479	0.2788
SOUTHWEST AREA (SW)	- Res	\$19.8830	\$17.5240	\$14.8280	\$ 2.6960	\$ 8.4250	\$10.4470	\$12.4690
	- Cmd	0.0303	0.0276	0.0243	0.0067	0.0169	0.0195	0.0216
	- MIN	0.0303	0.0276	0.0243	0.0067	0.0169	0.0195	0.0216
	- Ovrn	0.6840	0.6038	0.5117	0.0952	0.2939	0.3630	0.4315
SW - Southern (ML-5)	- Res	\$17.1870	\$14.8280	\$12.1320	\$ 8.4250	\$ 5.7290	\$ 7.7510	\$ 9.7730
	- Cmd	0.0236	0.0209	0.0175	0.0169	0.0101	0.0128	0.0148
	- MIN	0.0236	0.0209	0.0175	0.0169	0.0101	0.0128	0.0148
	- Ovrn	0.5887	0.5083	0.4164	0.2939	0.1984	0.2676	0.3362
SW - Central (ML-6)	- Res	\$15.1650	\$12.8060	\$10.1100	\$10.4470	\$ 7.7510	\$ 5.7290	\$ 7.7510
	- Cmd	0.0216	0.0189	0.0155	0.0195	0.0128	0.0108	0.0128
	- MIN	0.0216	0.0189	0.0155	0.0195	0.0128	0.0108	0.0128
	- Ovrn	0.5202	0.4399	0.3479	0.3630	0.2676	0.1991	0.2676
NORTHERN (ML-7)	- Res	\$13.1430	\$10.7840	\$ 8.0880	\$12.4690	\$ 9.7730	\$ 7.7510	\$ 5.7290
	- Cmd	0.0189	0.0162	0.0128	0.0216	0.0148	0.0128	0.0101
	- MIN	0.0189	0.0162	0.0128	0.0216	0.0148	0.0128	0.0101
	- Ovrn	0.4509	0.3707	0.2788	0.4315	0.3362	0.2676	0.1984

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/		
-----		
With Ratchets and Seasonal Entitlements		
-----		
1. Reservation Rate		
a. Deliverability Rate	\$ 2.04	\$ 0
b. Capacity Rate	\$ 0.4000	\$ 0
2. Commodity Rate		
Injection/Withdrawal	\$ 0.0126	\$ 0.0126
3. Overrun Service Rate	2/	\$ 0.0126
With Ratchets and Flexible Entitlements		
-----		
1. Reservation Rate		
a. Deliverability Rate	\$ 2.45	\$ 0
b. Capacity Rate	\$ 0.4000	\$ 0
2. Commodity Rate		
Injection/Withdrawal	\$ 0.0126	\$ 0.0126
3. Overrun Service Rate	2/	\$ 0.0126
Without Ratchets and Seasonal Entitlements		
-----		
1. Reservation Rate		
a. Deliverability Rate	\$ 2.60	\$ 0
b. Capacity Rate	\$ 0.4000	\$ 0
2. Commodity Rate		
Injection/Withdrawal	\$ 0.0126	\$ 0.0126
3. Overrun Service Rate	2/	\$ 0.0126
Without Ratchets and Flexible Entitlements		
-----		
1. Reservation Rate		
a. Deliverability Rate	\$ 3.00	\$ 0
b. Capacity Rate	\$ 0.4000	\$ 0
2. Commodity Rate		
Injection/Withdrawal	\$ 0.0126	\$ 0.0126
3. Overrun Service Rate	2/	\$ 0.0126

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](http://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](http://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/

	Western Zone 1/ 2/ 3/ Deliveries  (Rates per Dth)	Central Zone 1/ 2/ 3/ Deliveries  (Rates per Dth)	Eastern Zone 1/ 2/ 3/ Deliveries  (Rates per Dth)
Receipts in Western Zone -			
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 Deliveries	Central Zone Deliveries	Eastern Zone Deliveries
	(Rates per Dth)	(Rates per Dth)	(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/ IT Rate	\$0.17716 \$0.18110	\$0.29508 \$0.30253	\$0.52665 \$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/ IT Rate	\$0.29508 \$0.30253	\$0.15221 \$0.15572	\$0.38378 \$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/ IT Rate	\$0.52665 \$0.53972	\$0.38378 \$0.39290	\$0.26590 \$0.27151
 Seasonal Off Peak Rates 8 Months Apr '14 - Oct '14 and Mar '15	 Western Zone Deliveries	 Central Zone Deliveries	 Eastern Zone Deliveries
	(Rates per Dth)	(Rates per Dth)	(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/ IT Rate	\$0.10123 \$0.10517	\$0.16862 \$0.17607	\$0.30094 \$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/ IT Rate	\$0.16862 \$0.17607	\$0.08698 \$0.09049	\$0.21930 \$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/ IT Rate	\$0.30094 \$0.31401	\$0.21930 \$0.22842	\$0.15194 \$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	13.866	15.153
			5.473
			9.853

COMMODITY RATES 2/		Market Area 3/		Field Mileage 5/		Carlton Surcharges 4/		Out-of-Balance 3/	
TF12 Base	TF12 Var.	TF5	TF5	Rate per 100 miles	Rate per 100 miles	Maximum	Minimum	Maximum	Minimum
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 20, 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	Rate per 100 miles		Carlton Surcharges 4/		Out-of-Balance 3/	
		Apr-Oct	Nov-Mar	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
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 Surcharges 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	0.6027	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	2,1800	
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
<b>RATE SCHEDULE FT-1</b>					
<b>RESERVATION CHARGE</b>					
<b>MAXIMUM DAILY DELIVERY QUANTITY (MDDQ)</b>					
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
<b>COMMODITY CHARGE</b>					
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
<b>SCHEDULED OVERRUN CHARGE</b>					
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
<b>VOLUMETRIC CAPACITY RELEASE CHARGE</b>					
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