



414 Nicollet Mall  
Minneapolis, MN 55401

October 28, 2021

—Via Electronic Filing—

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

RE: COST OF GAS RIDER CHANGE  
CASE NO. PU-21-9

Dear Mr. Kahl:

Northern States Power Company, doing business as Xcel Energy, is filing this Cost of Gas (COG) for gas used on and after November 1, 2021 in North Dakota. The attached schedules show the new gas cost supporting worksheets and applicable pipeline tariff sheets. Pursuant to the North Dakota Public Service Commission's June 29, 2021 decision in Case Nos. PU-21-9 and PU-21-102, the February Event COG true-up factors will be implemented for all retail natural gas sales customer classes. On October 21, 2021, the Commission amended their June 29, 2021 Order, extending the 15-month amortization to a 24-month amortization, from July 1, 2021, through June 30, 2023. The Company provides a separate true-up line for this special February Event true-up rate in the monthly COG filings.

The net effect of the COG is a decrease to the Residential rate by \$0.58921 per therm from the October COG rate, 43.51%, or \$51.85 for a typical November North Dakota Residential customer using 88 therms. Compared to October, the Commercial/Industrial price is 5.29% lower and the Interruptible prices are 2.91-3.06% lower. The decrease is mainly driven by the revised 24-month February Event true-up factors, with further reduction for the seasonal change in the Residential true-up factor.

The February Event true-up factor reductions were offset somewhat by an increase to commodity costs, as commodity costs continue to increase as winter approaches and storage is still below average. In addition, demand rates changed to winter levels.

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

<u>Customer Class</u>	<u>\$/therm</u>
Residential	\$0.76499
Commercial/Industrial	\$0.81504
Small Interruptible	\$0.64552
Large Interruptible	\$0.64552

Effective November 1, 2021, an Interim Surcharge of 29.84% on the Base Rate charges will be applied to customer bills.

Please contact Hui Chen at [hui.chen@xcelenergy.com](mailto:hui.chen@xcelenergy.com) or (612) 330-6749, 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	\$0.76499	\$0.76499
Commercial/Industrial	Basic Service	\$30.00		\$30.00
	Commodity	\$0.10800	\$0.81504	\$0.92304
Small Interruptible	Basic Service	\$75.00		\$75.00
	Commodity	\$0.08800	\$0.64552	\$0.73352
Large Interruptible	Basic Service	\$275.00		\$275.00
	Commodity	\$0.05120	\$0.64552	\$0.69672

Units:

Customer Charge - \$ per month

Commodity Charge - \$ per therm

\* An Interim Surcharge of 29.84% on the Base Rate will be applied to customer bills.

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

November 1, 2021

		<u>NATURAL GAS COST COMPONENT</u>		
		<u>1</u>	<u>2</u>	<u>3</u>
<b>Cost Summary</b>	Ref	Prior Cost	Current Adjusts	Current Cost
Annual Demand	(a)	0.04681	0.05785	0.10466
<u>Commodity</u>				
Residential	(b)	0.53119	0.02798	0.55917
C & I	(b)	0.53119	0.02798	0.55917
Sm Interruptible	(b)	0.53119	0.02798	0.55917
Large Interruptible	(b)	0.53119	0.02798	0.55917

BILLING COST OF GAS BY CLASS (From Column 3)

<b>Class Summary</b>	Residential	C&I	Small Interruptible	Large Interruptible
Annual Demand	0.10466	0.10466	N / A	N / A
Commodity	0.55917	0.55917	0.55917	0.55917
SUBTOTAL	0.66383	0.66383	0.55917	0.55917
TRUE-UP	0.00798	0.01711	0.02895	0.02895
TRUE-UP (Feb. Weather Event)	0.09318	0.13410	0.05740	0.05740 *
TOTAL COG	0.76499	0.81504	0.64552	0.64552

\*Case Nos. PU-21-9 and PU-21-102

**DERIVATION OF CURRENT COSTS - NORTH DAKOTA**

November 1, 2021

	<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	\$36,369,464	\$34,474,317	
2. <u>x North Dakota Design Day Ratio</u>	<u>12.61%</u>	<u>12.61%</u>	
3. North Dakota System Demand Allocation	\$4,586,189	\$4,347,211	
4. ND Annual / Seasonal Firm Therm Sales (Forecast)	98,984,568	74,527,552	
5. Demand Unit Cost \$/Therm	\$0.04633	\$0.05833	\$0.10466 (a)
<b><u>Commodity Cost</u></b>			
6. NNG Annual/Best Effort/Viking/WBI/Xcel Energy Peakshaving			\$52,730,120
7. <u>x ND Portion of Monthly Retail Sales</u>			<u>13.77%</u>
8. ND Portion of Monthly Commodity Costs			\$7,260,937
9. ND Budgeted Calendar Month Retail Therm Sales			12,985,143
10. Commodity Unit Cost \$/Therm (8 / 9)			\$0.55917 (b)
11. Hedging Cost per Therm (informational)	(\$0.02941)		
<b><u>Total Gas Cost per Therm</u></b>			
12. Residential/Commercial & Industrial			<b>\$0.66383</b> (a) + (b)
13. Small and Large Interruptible Commodity			<b>\$0.55917</b> (b)

Northern States Power Company

RETAIL CALENDAR-MONTH BUDGETED SALES FORECAST - DEKATHERMS

<u>MN Cal Mo Dkt Sales</u>	Current Month	2022 Jan	2022 Feb	2022 Mar	2022 Apr	2022 May	2022 June	2022 July	2022 Aug	2021 Sept	2021 Oct	2021 Nov	2021 Dec	Annual
MN Total	8,130,027	13,479,701	11,036,710	9,252,869	5,218,869	2,916,586	2,079,185	1,693,026	1,796,738	2,103,890	4,495,373	8,130,027	11,642,772	73,845,746
<u>ND Cal Mo Dkt Sales</u>														
Res, Firm Commercial	1,098,272	1,877,476	1,530,606	1,286,938	678,164	362,157	221,395	159,530	177,684	253,698	593,074	1,098,272	1,659,463	9,898,457
Sm Int	64,198	77,825	69,730	70,977	45,723	34,062	27,066	24,853	29,076	31,728	48,501	64,198	73,016	596,754
Lg Int	136,044	140,088	138,729	133,329	105,384	102,997	120,241	104,895	93,614	111,710	137,453	136,044	159,314	1,483,798
Idept	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ND Total	1,298,514	2,095,389	1,739,064	1,491,244	829,270	499,216	368,702	289,277	300,374	397,135	779,029	1,298,514	1,891,793	11,979,009
NSPM Total	9,428,542	15,575,090	12,775,774	10,744,114	6,048,139	3,415,802	2,447,887	1,982,303	2,097,112	2,501,025	5,274,402	9,428,542	13,534,565	85,824,755

MN & ND Non-Trmsp	9,428,542
MN %	86.23%
ND%	13.77%

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

July 2021 through September 2021

	2021						2022					
<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	\$114,337	\$186,641	\$210,615	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Commercial & Industrial	\$597,248	\$650,945	\$568,839	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Small Interruptible	\$77,724	\$94,046	\$93,128	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Large Interruptible	<u>\$262,759</u>	<u>\$333,103</u>	<u>\$405,653</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>
Total	<b>\$1,052,068</b>	<b>\$1,264,734</b>	<b>\$1,278,236</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</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	\$3,716,304	\$3,556,163	\$3,547,398	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Commodity	\$8,401,105	\$10,208,971	\$10,594,236	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Peak Shaving	<u>\$62,892</u>	<u>\$60,211</u>	<u>\$61,818</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>
Total Costs	<b>\$12,180,301</b>	<b>\$13,825,345</b>	<b>\$14,203,452</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<u>ND Allocation Factors</u>												
Weighted Avg Demand *	0.1273	0.1273	0.1273	0.1273	0.1261	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Commodity (Monthly Sales)	0.1632	0.1580	0.1450	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Peak Shaving (Monthly Sales)	0.1632	0.1580	0.1450	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<u>ND Gas Costs</u>												
Demand	\$473,086	\$452,700	\$451,584	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Commodity	\$1,371,060	\$1,613,017	\$1,536,164	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Peak Shaving	<u>\$10,264</u>	<u>\$9,513</u>	<u>\$8,964</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>
Total Costs	<b>\$1,854,410</b>	<b>\$2,075,230</b>	<b>\$1,996,712</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
Over (Under) Recovery	(\$802,342)	(\$810,496)	(\$718,476)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Deferred Tax (@24.4%)	(\$195,771)	(\$197,761)	(\$175,308)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Net Balance	(\$606,571)	(\$612,735)	(\$543,168)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cumulative Net Balance	(\$606,571)	(\$1,219,306)	(\$1,762,474)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Interest Rate	0.05%	0.05%	0.04%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Monthly Interest	\$0	(\$303)	(\$488)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cumulative Interest		(\$303)	(\$791)	(\$791)	(\$791)	(\$791)	(\$791)	(\$791)	(\$791)	(\$791)	(\$791)	(\$791)

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

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

**Purchased Gas Adjustment, November 2021**  
**Northern States Power Company**  
**Demand Charge Detail**

Type	Pipeline	Service Type/ Supplier	Volume Dth per Dav	Monthly Demand Rate	No. of Months	Total Annual Cost		12-Month Cost	Winter-Month Cost
						by Supplier	by Pipeline		
<b>FIRM TRANSPORT</b>									
	NNG	TF12 112183 (Base)	104,117	\$13.1450	5	\$6,843,089.83		\$6,843,089.83	
		TF12 112183 (Base)	104,117	\$7.3030	7	\$5,322,565.16		\$5,322,565.16	
		TF12 112183 (Variable)	0	\$17.8180	5	\$0.00		\$0.00	
		TF12 112183 (Variable)	0	\$7.3030	7	\$0.00		\$0.00	
		TF5 112183	62,415	\$19.4710	5	\$6,076,412.33			\$6,076,412.33
		TF12 112182 (Base) C/R	2,575	\$3.9520	12	\$122,116.80		\$122,116.80	
		TF12 112182 (Base) LE	0	\$4.5600	12	\$0.00		\$0.00	
		TF12 112182 (Base) Hugo	30,118	\$4.1040	12	\$1,483,251.26		\$1,483,251.26	
		TF12 112182 (Variable) C/R	29,226	\$3.9520	12	\$1,386,013.82		\$1,386,013.82	
		TF12 112182 (Variable) LE	32,608	\$4.5600	12	\$1,784,309.76		\$1,784,309.76	
		TF12 112182 (Variable) Hugo	0	\$4.1040	12	\$0.00		\$0.00	
		TF5 112182 C/R	13,233	\$3.9520	5	\$261,484.08			\$261,484.08
		TF5 112182 LE	15,338	\$4.5600	5	\$349,706.40			\$349,706.40
		TF5 112182 Hugo	1,028	\$4.1040	5	\$21,094.56			\$21,094.56
		TFX 112185 C/R	1,680	\$4.2560	12	\$85,800.96		\$85,800.96	
		TFX 112185 C/R	3,767	\$4.5600	12	\$206,130.24		\$206,130.24	
		TFX 112185 Hugo	7,701	\$4.1040	5	\$158,024.52		\$158,024.52	
		TFX 112185 C/R	48,576	\$3.9520	5	\$959,861.76			\$959,861.76
		TFX 112185 LE	2,270	\$4.5600	5	\$51,756.00			\$51,756.00
		TFX 112185 Hugo	8,546	\$4.1040	5	\$175,363.92			\$175,363.92
		TFX 112185 Hugo	10,000	\$3.3440	12	\$401,280.00		\$401,280.00	
		TFX 112185 Hugo	3,376	\$4.1040	2	\$27,710.21		\$27,710.21	
		TFX 112185 LE	19,999	\$6.1032	5	\$610,289.48			\$610,289.48
		TFX 112185 LE	19,999	\$4.5000	7	\$629,968.50		\$629,968.50	
		TFX 112186	62,256	\$19.4710	5	\$6,060,932.88			\$6,060,932.88
		TFX 112186	40,504	\$7.3030	5	\$1,479,003.56		\$1,479,003.56	
		TFX 112186	21,201	\$7.3030	2	\$309,661.81		\$309,661.81	
		TFX 112184	25,000	\$12.5000	5	\$1,562,500.00			\$1,562,500.00
		TFX 122067	17,273	\$9.3568	5	\$808,100.03			\$808,100.03
		TFX 122067	17,273	\$4.0000	7	\$483,644.00		\$483,644.00	
		TFX 122068	9,969	\$19.4710	5	\$970,532.00			\$970,532.00
		TFX 122068	9,969	\$7.3030	7	\$509,625.25		\$509,625.25	
		TFX 111739	28,500	\$19.4710	5	\$2,774,617.50			\$2,774,617.50
		TFX 138710	17,000	\$19.4710	5	\$1,655,035.00	\$43,569,881.62		\$1,655,035.00
	VGT	FTA AF0156	72,213	\$4.7580	12	\$4,123,073.45		\$4,123,073.45	
		FTA AF0044	4,239	\$3.8060	5	\$80,668.17			\$80,668.17
		FTA AF0044	32,405	\$3.8060	12	\$1,480,001.16		\$1,480,001.16	
		FTA AF0103	10,000	\$3.8060	12	\$456,720.00		\$456,720.00	
		FTA AF0037	15,600	\$4.7580	12	\$890,697.60		\$890,697.60	
		FTA AF0218	15,000	\$4.7580	12	\$856,440.00		\$856,440.00	
		FTA AF0329	20,200	\$3.8060	12	\$922,574.40	\$8,810,174.78		\$922,574.40
	ANR	FTS 114492	66,500	\$5.7290	12	\$4,571,742.00		\$4,571,742.00	
		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	5,457	\$5.7290	7	\$218,842.07	\$5,754,222.61		\$218,842.07
	GLT	FT18394	3,509	\$8.1860	5	\$143,623.37			\$143,623.37
		FT18394	5,370	\$8.1860	7	\$307,711.74		\$307,711.74	
		FT18071	9,248	\$8.1860	5	\$378,520.64	\$829,855.75		\$378,520.64
	WBI	FT-1097	8,000	\$9.8417	12	\$944,798.40		\$944,798.40	
		FT-1125	461	\$9.8417	12	\$54,444.01	\$999,242.41		\$54,444.01
<b>Subtotal Firm Transport:</b>							\$59,963,377.17	\$36,369,463.68	\$23,593,913.49
<b>3rd PARTY SUPPLIES</b>									
<b>[PROTECTED DATA BEGINS]</b>									
						\$2,923,406.00	\$0.00	\$2,923,406.00	
<b>[PROTECTED DATA ENDS]</b>									

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

**Purchased Gas Adjustment, November 2021**  
**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	15,253	\$1.7820	12	\$326,170.15	\$326,170.15		\$326,170.15
		ANRS ANRS: R	9,248	\$1.2000	12	\$133,171.20	\$133,171.20		\$133,171.20
		NNG FDD: R	140,230	\$2.8624	12	\$4,816,732.22			\$4,816,732.22
		FDD: R	78,050	\$2.8624	12	<u>\$2,680,923.84</u>	<u>\$7,497,656.06</u>		<u>\$2,680,923.84</u>
							\$7,956,997.41		\$7,956,997.41
		<i>Subtotal Storage:</i>					<u>\$70,843,780.58</u>	<u>\$36,369,463.68</u>	<u>\$34,474,316.90</u>

**TOTAL MN/ND ALLOCATED DEMAND:**

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

**Purchased Gas Adjustment, November 2021**  
**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	\$13.145	\$7.303	See detail below
times Month/Year	5	7	
Annual Total	\$6,843,089.83	\$5,322,565.16	\$12,165,654.98

<u>Cost Components</u>	<u>Rate</u> Nov-Mar (\$/Dth)	<u>Rate</u> Apr-Oct (\$/Dth)	<u>Source</u>
Base Tariff Rate - TF12	\$13.145	\$7.303	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	\$17.818	\$7.303	See detail below
times Month/Year	5	7	
Annual Total	\$0.00	\$0.00	\$0.00

<u>Cost Components</u>	<u>Rate</u> Nov-Mar (\$/Dth)	<u>Rate</u> Apr-Oct (\$/Dth)	<u>Source</u>
Base Tariff Rate - TF12V	\$17.818	\$7.303	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	\$19.471	See detail below
times Month/Year	5	
Annual Total	\$6,076,412.33	\$6,076,412.33

<u>Cost Components</u>	<u>Rate</u> Nov-Mar (\$/Dth)	<u>Source</u>
Base Tariff Rate - TF5	\$19.471	see Note 1

**PUBLIC DOCUMENT**  
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**Purchased Gas Adjustment, November 2021**  
**Northern States Power Company**  
**Demand Charge Detail Supporting Worksheet**

<b>NNG Firm Transportation - TF12 Base 112182</b>				
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)	2,575	0	30,118	Contract
times Discounted Rate	\$3.952	\$4.560	\$4.104	Contract
times Month/Year	12	12	12	Contract
Annual Total	\$122,116.80	\$0.00	\$1,483,251.26	\$1,605,368.06
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)	2,575	0	30,118	
Annual Total	\$300,878.45	\$0.00	\$3,519,167.83	\$3,820,046.28
TF12B Annual Savings				\$2,214,678.21

<b>NNG Firm Transportation - TF12 Variable 112182</b>				
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)	29,226	32,608	0	Contract
times Discounted Rate	\$3.952	\$4.560	\$4.104	Contract
times Month/Year	12	12	12	Contract
Annual Total	\$1,386,013.82	\$1,784,309.76	\$0.00	\$3,170,323.58
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)	29,226	32,608	0	
Annual Total	\$4,097,806.69	\$4,572,000.29	\$0.00	\$8,669,806.97
TF12V Annual Savings				\$5,499,483.39

<b>NNG Firm Transportation - TF5 112182</b>				
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	\$3.952	\$4.560	\$4.104	Contract
times Month/Year	5	5	5	Contract
Annual Total	\$261,484.08	\$349,706.40	\$21,094.56	\$632,285.04
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	\$19.471	\$19.471	\$19.471	
times Month/Year	5	5	5	
Annual Total	\$1,288,298.72	\$1,493,230.99	\$100,080.94	\$2,881,610.65
TF5 Annual Savings				\$2,249,325.61

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**Purchased Gas Adjustment, November 2021**  
**Northern States Power Company**  
**Demand Charge Detail Supporting Worksheet**

<b>NNG Firm Transportation - TFX 112185</b>				
TFX Annual Dollars	Cedar/Rosemount	Lake Elmo	Hugo	Source
<u>Discount Rate</u>	<u>Value</u>	<u>Value</u>	<u>Value</u>	
Volume (Dth)	48,576	2,270	8,546	Contract
times Discounted Rate	\$3.952	\$4.560	\$4.104	Contract
times Month/Year	5	5	5	Contract
Annual Total	\$959,861.76	\$51,756.00	\$175,363.92	\$1,186,981.68
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	\$19.471	\$19.471	\$19.471	
times Month/Year	5	5	5	
Annual Total	\$4,729,116.48	\$220,995.85	\$831,995.83	\$5,782,108.16
TFX Annual Savings				\$4,595,126.48

<b>NNG Firm Transportation - TFX 112185</b>				
TFX Annual Dollars	Cedar/Rosemount	Hugo	Source	Source
<u>Discount Rate</u>	<u>Value</u>	<u>Value</u>		
Volume (Dth)	1,680	7,701	3,376	Contract
times Discounted Rate	\$4.256	\$4.104	\$4.104	Contract
times Month/Year	12	5	2	Contract
Annual Total	\$85,800.96	\$158,024.52	\$27,710.21	\$271,535.69
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	\$249,439.68	\$281,202.02	\$49,309.86	\$579,951.55
TFX Annual Savings				\$308,415.86

<b>NNG Firm Transportation - TFX 112185 Growth Option</b>				
TFX Annual Dollars	Hugo	Lake Elmo	Lake Elmo	Source
<u>Discount Rate</u>	<u>Value</u>	<u>Value</u>	<u>Value</u>	
Volume (Dth)	10,000	19,999	19,999	Contract
times Discounted Rate	\$3.344	\$6.103	\$4.500	Contract
times Month/Year	12	5	7	Contract
Annual Total	\$401,280.00	\$610,289.48	\$629,968.50	\$1,641,537.98
TFX Annual Dollars	Firm Transport	Firm Transport		
<u>Full Rate (No Discount)</u>	<u>Value</u>	<u>Value</u>		
Volume (Dth)	10,000	19,999		
Annual Total	\$1,484,760.00	\$2,969,371.52	\$4,454,131.52	
TFX Annual Savings			\$2,812,593.54	

<b>NNG Firm Transportation - TFX 112185 Growth Option</b>				
TFX Annual Dollars	Cedar/Rosemount	Source		
<u>Discount Rate</u>	<u>Value</u>			
Volume (Dth)	3,767	Contract		
times Discounted Rate	\$4.560	Contract		
times Month/Year	12	Contract		
Annual Total	\$206,130.24			
TFX Annual Dollars	Firm Transport			
<u>Full Rate (No Discount)</u>	<u>Value</u>			
Volume (Dth)	3,767			
Annual Total	\$559,309.09		\$559,309.09	
TFX Annual Savings			\$353,178.85	

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**Purchased Gas Adjustment, November 2021**  
**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)	62,256	40,504	21,201	Contract
times Total Rate	\$19.471	\$7.303	\$7.303	See Detail Below
times Month/Year	5	5	2	Contract
<b>Annual Total</b>	<b>\$6,060,932.88</b>	<b>\$1,479,003.56</b>	<b>\$309,661.81</b>	

  

	<u>Rate</u>	<u>Rate</u>	
<u>Cost Components</u>	<u>Nov-Dec</u>	<u>Apr-Oct</u>	<u>Source</u>
	<u>(\$/Dth)</u>	<u>(\$/Dth)</u>	
Base Tariff Rate - TFX	\$19.471	\$7.303	see Note 2

***NNG Firm Transportation - TFX 112184***

<u>TFX Annual Dollars</u>	<u>Value</u>	<u>Source</u>
<u>Discount Rate</u>		
Volume (Dth)	25,000	Contract
times Discounted Rate	\$12.500	Contract
times Month/Year	5	Contract
<b>Annual Total</b>	<b>\$1,562,500.00</b>	

  

<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	\$19.471	
times Month/Year	5	
<b>Annual Total</b>	<b>\$2,433,875.00</b>	
<b>TFX Annual Savings</b>		<b>\$871,375.00</b>

***NNG Firm Transportation - TFX 111739***

<u>TFX12 Annual Dollars</u>	<u>Value</u>	<u>Source</u>
Volume (Dth)	28,500	Contract
times Total Rate	\$19.471	See detail below
times Month/Year	5	
<b>Annual Total</b>	<b>\$2,774,617.50</b>	

  

	<u>Rate</u>	<u>Rate</u>	
<u>Cost Components</u>	<u>Nov-Dec</u>	<u>Jan-Mar</u>	<u>Source</u>
	<u>(\$/Dth)</u>	<u>(\$/Dth)</u>	
Base Tariff Rate - TFX	\$19.471	\$7.303	see Note 2

***NNG Firm Transportation - TFX 122067***

<u>TFX12 Annual Dollars</u>	<u>Value</u>	<u>Value</u>	<u>Source</u>
Volume (Dth)	17,273	17,273	Contract
times Total Rate	\$9.357	\$4.000	See detail below
times Month/Year	5	7	
<b>Annual Total</b>	<b>\$808,100.03</b>	<b>\$483,644.00</b>	

  

	<u>Rate</u>	<u>Rate</u>
<u>Cost Components</u>	<u>Nov-Mar</u>	<u>Apr-Oct</u>
	<u>(\$/Dth)</u>	<u>(\$/Dth)</u>
Discount Rate - TFX	\$9.357	\$4.000

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**Purchased Gas Adjustment, November 2021**  
**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)	9,969	9,969	Contract
times Total Rate	\$19.471	\$7.303	See detail below
times Month/Year	5	7	
Annual Total	\$970,532.00	\$509,625.25	

<u>Cost Components</u>	<u>Rate</u> <u>Nov-Dec</u> <u>(\$/Dth)</u>	<u>Rate</u> <u>Apr-Oct</u> <u>(\$/Dth)</u>	<u>Source</u>
Base Tariff Rate - TFX	\$19.471	\$7.303	see Note 2

***NNG Firm Transportation - TFX 138710***

<u>TFX12 Annual Dollars</u>	<u>Value</u>	<u>Source</u>
Volume (Dth)	17,000	Contract
times Total Rate	\$19.471	See detail below
times Month/Year	5	
Annual Total	\$1,655,035.00	

<u>Cost Components</u>	<u>Rate</u> <u>Nov-Dec</u> <u>(\$/Dth)</u>	<u>Source</u>
Base Tariff Rate - TFX	\$19.471	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	\$4.7580	See detail below
times Month/Year	12	
Annual Total	\$4,123,073.45	

<u>Cost Components</u>	<u>Rate (\$/Dth)</u>	<u>Source</u>	<u>Term</u>
Base Tariff Rate: Cat 3; Zone 1-2	\$4.7580	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	32,405	Contract
times Total Rate	\$3.8060	\$3.8060	See detail below
times Month/Year	5	12	
Annual Total	\$80,668.17	\$1,480,001.16	

<u>Cost Components</u>	<u>Rate (\$/Dth)</u>	<u>Source</u>	<u>Term</u>
Base Tariff Rate: Cat 3 FTA Zone 1-1	\$3.8060	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	\$3.8060	See detail below
times Month/Year	12	
Annual Total	\$456,720.00	

<u>Cost Components</u>	<u>Rate (\$/Dth)</u>	<u>Source</u>	<u>Term</u>
Base Tariff Rate: Cat 3 FT-A Zone 1-1	\$3.8060	See Note 3	> 5 Years

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**Purchased Gas Adjustment, November 2021**  
**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	\$4.7580	See detail below
times Month/Year	12	
<u>Annual Total</u>	<u>\$890,697.60</u>	

<u>Cost Components</u>	<u>Rate (\$/Dth)</u>	<u>Source</u>	<u>Term</u>
Base Tariff Rate: Cat 3; Zone 1-2	\$4.7580	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	\$4.7580	See detail below
times Month/Year	12	
<u>Annual Total</u>	<u>\$856,440.00</u>	

<u>Cost Components</u>	<u>Rate (\$/Dth)</u>	<u>Source</u>	<u>Term</u>
Base Tariff Rate: Cat 3; Zone 1-2	\$4.7580	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	\$3.8060	See detail below
times Month/Year	12	
<u>Annual Total</u>	<u>\$922,574.40</u>	

<u>Cost Components</u>	<u>Rate (\$/Dth)</u>	<u>Source</u>	<u>Term</u>
Base Tariff Rate: Cat 3; Zone 1-1	\$3.8060	See Note 3	> 5 Years

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**Purchased Gas Adjustment, November 2021**  
**Northern States Power Company**  
**Demand Charge Detail Supporting Worksheet**

**ANR Firm Transportation - FTS 114492**

<u>FTS-1 Annual Dollars</u>	<u>Value</u>	<u>Source</u>
Volume (Dth)	66,500	Contract
times Total Rate	\$5.729	Contract
times Month/Year	12	
<u>Annual Total</u>	<u>\$4,571,742.00</u>	

<u>Cost Components</u>	<u>Rate (\$/Dth)</u>	<u>Source</u>
Base Tariff Rate: ML-7 to ML-7	\$5.729	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	\$9.130	See detail below
times Month/Year	5	
<u>Annual Total</u>	<u>\$220,443.85</u>	

<u>Cost Components</u>	<u>Rate (\$/Dth)</u>	<u>Source</u>
Discounted Rate: SW to ML-7	\$9.130	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	5,457	Contract
times Total Rate	\$5.729	\$5.729	See detail below
times Month/Year	5	7	
<u>Annual Total</u>	<u>\$434,573.30</u>	<u>\$218,842.07</u>	

<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	5,370	Contract
times Rate	\$8.186	\$8.186	See detail below
times Month/Year	5	7	
<u>Annual Total</u>	<u>\$143,623.37</u>	<u>\$307,711.74</u>	

<u>Cost Components</u>	<u>Rate (\$/Dth)</u>	<u>Source</u>
Resv Fee: Western to Eastern Zone	\$8.186	see Note 5

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**Purchased Gas Adjustment, November 2021**  
**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 5

**WBI Firm Transportation - FT-1097**

<u>FT-1 Annual Dollars</u>	<u>Value</u>	<u>Source</u>
Volume (Dth)	8,000	Contract
times Rate	\$9.84165	See detail below
<u>times Month/Year</u>	<u>12</u>	
Annual Total	\$944,798.40	
<u>Cost Components</u>	<u>Rate (\$/Dth)</u>	<u>Source</u>
Base Tariff Rate	\$9.84165	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	\$9.84165	See detail below
<u>times Month/Year</u>	<u>12</u>	
Annual Total	\$54,444.01	
<u>Cost Components</u>	<u>Rate (\$/Dth)</u>	<u>Source</u>
Base Tariff Rate	\$9.84165	see Note 6

**NOTES:**

- [1] NNG Sixth Revised Volume No. 1, Seventh Revised Sheet No. 50, Effective April 25, 2021
- [2] NNG Sixth Revised Volume No. 1, Seventh Revised Sheet No. 51, Effective April 25, 2021
- [3] VGT Volume No. 1, Part 5.0 Statement of Rates, Effective April 1, 2021
- [4] ANR Third Revised Volume No. 1, Part 4.3 Statement of Rates, Effective August 1, 2016
- [5] GLT Third Revised Volume No. 1, Part 4.1 Statement of Rates, Effective February 1, 2019
- [6] WBI Third Revised Volume No. 1, Fifteenth Revised Sheet No. 12, Effective May 1, 2019

November-21  
Northern States Power Company

WACOG Worksheet

SUMMARY INFORMATION					
Firm	Interruptible	Combined	High	Low	
NNG	\$5.5830	\$6.9433	\$5.8930	\$6.9574	\$6.5559
VGT	\$6.1913	\$6.3667	\$6.2563	\$6.2292	\$6.0635
WBI	\$6.1847	---	\$6.1847	\$6.1847	\$6.1847
ANR	\$6.4359	---	\$6.4359	\$6.4359	\$6.4359
SYSTEM	---	---	\$5.5858	\$6.9574	\$6.0635

(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

[PROTECTED DATA BEGINS]

1	\$6.8369	Not included			
2	\$6.8683	Not included			
3	\$6.8788	Not included			
4	\$6.9574	Not included			
5	\$6.7079	Not included			
6	\$6.7027	Not included			
7	\$6.7373	Not included			
8	\$6.6901	Not included			
9	\$6.7478	Not included			
10	\$6.7687	Not included			
11	\$6.7687	Not included			
12	\$6.8054	Not included			
13	\$6.7079	Not included			
14	\$6.7111	Not included			
15	\$6.5559	Not included			
16	\$6.5821	Not included			
17	\$6.5926	Not included			
		Not included			
		Not included			
		Not included			
Subtotal	\$5.5830				

NNG Interruptible

	\$6.166	Not included				ANR Storage
	\$5.583	Not included				FDD Storage
	\$6.894	Not included				Vent Spot Pur
	\$7.017	Not included				Demarc Spot Pur
Subtotal	\$6.9433					

GLT/VGT Firm

18	\$6.2041	Not included			
19	\$6.2292	Not included			
20	\$6.0635	Not included			
		Not included			
		Not included			
Subtotal	\$6.1913				

VGT Interruptible

	\$6.367	Not included				Emerson Spot Pur
Subtotal	\$6.3667					

WBI Firm

21	\$6.1847	Not included			
Subtotal	\$6.1847				

PROTECTED DATA ENDS]

Nov-21  
Northern States Power Company

WACOG Worksheet

<b>WBI Interruptible</b>		<b>[PROTECTED DATA BEGINS]</b>			
	\$0.0000	Not included			
Subtotal					

<b>ANR Firm</b>					
		Not included			
		Not included			
		Not included			
<b>22</b>	\$6.4359	Not included			
Subtotal \$6.4359					

<b>NNG Other</b>					
SMS	\$0.0208	Not included			
Subtotal					

<b>NSP Peakshaving</b>					
LNG Boiloff	\$2.9700	Not included			
LNG	\$2.9700	Not included			
LPG	\$9.7161	Not included			
Subtotal \$2.9700					

**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

<b>STORAGE Firm</b>		<b>[PROTECTED DATA BEGINS]</b>			
	\$3.0200	Not included			
	\$3.2800	Not included			
	\$3.6500	Not included			
Balancing Demand		Not included			
Storage Demand		Not included			
Subtotal 5.4854					

**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		

<b>Hedging Adjustment/Opportunity Sales</b>		<b>[PROTECTED DATA BEGINS]</b>			
Hedging Adj.	\$0.0000	Not included			
Opportunity Sales		Not included			
Subtotal #DIV/0!					

**PROTECTED DATA ENDS]**

<b>TOTAL</b>					
ALL	\$5.5858	Not included	9,428,542	\$52,666,225	\$52,666,225



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/ For a service term of 1 year or less -----		
With Ratchets and Seasonal Entitlements -----		
1. Reservation Rate		
a. Deliverability Rate	\$ 2.4205	\$ 0
b. Capacity Rate	\$ 0.4746	\$ 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	\$ 2.9069	\$ 0
b. Capacity Rate	\$ 0.4746	\$ 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	\$ 3.0849	\$ 0
b. Capacity Rate	\$ 0.4746	\$ 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	\$ 3.5595	\$ 0
b. Capacity Rate	\$ 0.4746	\$ 0
2. Commodity Rate		
Injection/Withdrawal	\$ 0.0126	\$ 0.0126
3. Overrun Service Rate	2/	\$ 0.0126

RATE SCHEDULE FSS 1/

For a service term of greater than 1 year up to and including 3 years

-----  
 With Ratchets and Seasonal Entitlements  
 -----

1. Reservation Rate		
a. Deliverability Rate	\$ 2.0400	\$ 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	\$ 2.4500	\$ 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	\$ 2.6000	\$ 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	\$ 3.0000	\$ 0
b. Capacity Rate	\$ 0.4000	\$ 0
2. Commodity Rate		
Injection/Withdrawal	\$ 0.0126	\$ 0.0126
3. Overrun Service Rate	2/	\$ 0.0126

RATE SCHEDULE FSS 1/

For a service term of greater than 3 years

-----  
 With Ratchets and Seasonal Entitlements  
 -----

1. Reservation Rate		
a. Deliverability Rate	\$ 2.0349	\$ 0
b. Capacity Rate	\$ 0.3990	\$ 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	\$ 2.4439	\$ 0
b. Capacity Rate	\$ 0.3990	\$ 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	\$ 2.5935	\$ 0
b. Capacity Rate	\$ 0.3990	\$ 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	\$ 2.9925	\$ 0
b. Capacity Rate	\$ 0.3990	\$ 0
2. Commodity Rate		
Injection/Withdrawal	\$ 0.0126	\$ 0.0126
3. Overrun Service Rate	2/	\$ 0.0126

RATE SCHEDULE DDS 3/

1. Storage Commodity Rate	\$ 0.0874	\$ 0.0126
---------------------------	-----------	-----------

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	(\$0.0002)	(\$0.0002)
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.

STATEMENT OF RATES FOR STORAGE OF NATURAL GAS

RATE SCHEDULE FS

	Rate per Dth
1. Reservation Rate	
a. Deliverability – Monthly	Market Based
b. Capacity – Monthly	Market Based
c. Deliverability - Daily (3)	Market Based
d. Capacity - Daily (3)	Market Based
2. Injection/Withdrawal Commodity Rate	Market Based
3. Overrun Service Rate (1)	Market Based

RATE SCHEDULE IS

	Rate per Dth
1. Commodity Rate	Market Based

SURCHARGE APPLICABLE TO  
 FS AND IS SERVICE (2)

	Maximum Rate per Dth	Minimum Rate per Dth
1. ACA	(4)	(4)

Rate Schedules FS and IS (5)

Seller's Injection Use	Market Based
Seller's Withdrawal Use	Market Based

- (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) 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.
- (5) May be assessed in-kind or on a dollars-per-dekatherm basis.

GREAT LAKES GAS TRANSMISSION LIMITED PARTNERSHIP

Open Access Rates  
 Firm Transportation Service  
 Rate Schedule FT 6/

	Western Zone 1/ 2/ 3/ Deliveries	Central Zone 1/ 2/ 3/ Deliveries	Eastern Zone 1/ 2/ 3/ Deliveries
Receipts in Western Zone - -----	(Rates per Dth)	(Rates per Dth)	(Rates per Dth)
Reservation Fee	\$2.754	\$4.586	\$8.186
Utilization Fee	0.00288	0.00544	0.00954
Max. Volumetric Rate at 100% L.F. 4/ 5/	0.09054	0.15079	0.26913
Receipts in Central Zone - -----			
Reservation Fee	\$4.586	\$2.366	\$5.965
Utilization Fee	0.00544	0.00256	0.00666
Max. Volumetric Rate at 100% L.F. 4/ 5/	0.15079	0.07778	0.19612
Receipts in Eastern Zone - -----			
Reservation Fee	\$8.186	\$5.965	\$4.133
Utilization Fee	0.00954	0.00666	0.00410
Max. Volumetric Rate at 100% L.F. 4/ 5/	0.26913	0.19612	0.13587

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

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

RATE SCHEDULE TF

RESERVATION RATES	MARKET-TO-MARKET		FIELD-TO-FIELD/MARKET DEMARCATION
	TF12 Base	TF12 Variable	TF5
	TF12		TFF
Base Tariff Rates 1/			
Summer (Apr-Oct)	7.303	7.303	-0-
Winter (Nov-Mar)	13.145	17.818	19.471
			6.212
			11.183

COMMODITY RATES 2/		Market Area 3/ 6/		Field Mileage 5/		Carlton Surcharges 4/		Out-of-Balance 3/	
TF12 Base, TF12 Var., TF5 & TFF		Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Receipt Point	Delivery Point			Rate per 100 miles					
Market	Market	0.0165	0.0165			0.0175	0.0000	0.0165	0.0165
Field	Market	0.0165	0.0165	0.0078	0.0078	0.0175	0.0000		
Market	Field			0.0078	0.0078				
Field	Field			0.0078	0.0078			0.0188	0.0188

- 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 in Sheet Nos. 59-60A represent the maximum Field Area throughput commodity rates for any transaction involving MIDs. The firm transportation services commodity rates are not discountable.
- 3/ In addition, Shipper shall pay the applicable Electric Compression commodity rate as shown in Sheet No. 54 and 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 commodity rate as shown in Sheet No. 54 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/ There will be no commodity charge for transportation from the Ventura pooling point (POI 78623) to the NBPL/NNG Ventura point (POI 192) and from the Ventura pooling point (POI 78623) to the MID 17 pooling point (POI 71458). In addition, there will be no commodity charge for transportation as set forth in Sheet Nos. 141, 142C and 147.

RATE SCHEDULE TFX

RESERVATION RATES	MARKET-TO-MARKET		FIELD-TO-FIELD	
	Apr-Oct	Nov-Mar	Apr-Oct	Nov-Mar
Base Tariff Rates 1/	<u>\$7.303</u>	<u>\$19.471</u>	<u>\$6.212</u>	<u>\$11.183</u>

COMMODITY RATES 2/ TFX		Market Area 3/ 6/		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	0.0165	0.0165			0.0175	0.0000	0.0165	0.0165
Field	Market	0.0165	0.0165	0.0078	0.0078	0.0175	0.0000		
Market	Field			0.0078	0.0078				
Field	Field			0.0078	0.0078			0.0188	0.0188

- 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 in Sheet Nos. 59-60A represent the maximum Field Area throughput commodity rates for any transaction involving MIDs. The firm transportation services commodity rates are not discountable.
- 3/ In addition, Shipper shall pay the applicable Electric Compression commodity rate as shown in Sheet No. 54 and 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 commodity rate as shown in Sheet No. 54 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/ There will be no commodity charge for transportation from the Ventura pooling point (POI 78623) to the NBPL/NNG Ventura point (POI 192) and from the Ventura pooling point (POI 78623) to the MID 17 pooling point (POI 71458). In addition, there will be no commodity charge for transportation as set forth in Sheet Nos. 141, 142C and 147.

RATE SCHEDULES FDD, PDD, IDD, ILD & SMS

Rate Schedule FDD

Maximum Reservation Charge	2.8624	1/
Maximum Capacity Charge	0.5957	1/
Injection Charge - Firm	0.0197	
Withdrawal Charge - Firm	0.0197	
Annual Rollover Charge	0.5957	1/

Rate Schedule PDD

Maximum Capacity Charge	0.5957	1/
Maximum Monthly Inventory Charge	0.1552	1/
Injection Charge	0.0197	
Withdrawal Charge	0.0197	
Annual Rollover Charge	0.5957	1/

Rate Schedule IDD

Maximum Monthly Inventory Charge	0.1552	1/
Injection Charge	0.0197	
Withdrawal Charge	0.0197	
Annual Rollover Charge	0.5957	1/

Rate Schedule ILD

Maximum Charge	11.7500	
Minimum Charge	0.5044	
Performance Obligation Charge	2.0000	

Rate Schedule SMS

Reservation Charge	3.2110	
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
<b>Category 1 (Contract Term of Less than 3 Years)</b>	
Monthly Reservation Rates	
FT-A	
Zone 1-1 Maximum Rate	\$3.9106
Zone 1-1 Minimum Rate	\$0.0000
Zone 1-2 Maximum Rate 1/	\$4.9080
Zone 1-2 Minimum Rate	\$0.0000
Zone 2-2 Maximum Rate	\$2.6118
Zone 2-2 Minimum Rate	\$0.0000
<b>Category 2 (Contract Term of 3 Years to less than 5 Years)</b>	
Monthly Reservation Rates	
FT-A	
Zone 1-1 Maximum Rate	\$3.8583
Zone 1-1 Minimum Rate	\$0.0000
Zone 1-2 Maximum Rate	\$4.8330
Zone 1-2 Minimum Rate	\$0.0000
Zone 2-2 Maximum Rate	\$2.5890
Zone 2-2 Minimum Rate	\$0.0000
<b>Category 3 (Contract Term of 5 or more Years)</b>	
Monthly Reservation Rates	
FT-A	
Zone 1-1 Maximum Rate	\$3.8060
Zone 1-1 Minimum Rate	\$0.0000
Zone 1-2 Maximum Rate	\$4.7580
Zone 1-2 Minimum Rate	\$0.0000
Zone 2-2 Maximum Rate	\$2.5662
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.

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.	984.165	N.A.	N.A.	984.165
MINIMUM	RATE PER EQV. DKT PER MO	0.000	N.A.	N.A.	0.000
COMMODITY CHARGE					
MAXIMUM A/B/C/	RATE PER DKT	2.477	N.A.	N.A.	2.477
MINIMUM A/B/C/	RATE PER DKT	2.477	N.A.	N.A.	2.477
SCHEDULED OVERRUN CHARGE					
MAXIMUM A/B/C/	RATE PER DKT	34.367	N.A.	N.A.	34.367
MINIMUM A/B/C/	RATE PER DKT	2.477	N.A.	N.A.	2.477
VOLUMETRIC CAPACITY RELEASE CHARGE					
MAXIMUM	RATE PER DKT	32.356	N.A.	N.A.	32.356
MINIMUM	RATE PER DKT	0.000	N.A.	N.A.	0.000

- 
- A/ SHIPPER MUST REIMBURSE TRANSPORTER IN-KIND FOR TRANSPORTATION FUEL USE AND LOST AND UNACCOUNTED FOR GAS. THE APPLICABLE PERCENTAGES ARE REFLECTED ON SHEET NO. 21A. THESE PERCENTAGES 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 REFLECTED ON SHEET NO. 21B. 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."