



414 Nicollet Mall  
Minneapolis, MN 55401

October 28, 2022

—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-22-9

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, 2022 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 column for this special February Event true-up rates in the monthly COG filings.

The net effect of the COG is a decrease to the Residential rate by \$0.227667 per therm from the October COG rate, 23.81%, or \$19.81 for a typical November North Dakota Residential customer using 87 therms. The decrease is a result of the reduction to Residential charges for the February Event factors moving to winter season rates as well as decreased commodity costs. The commodity costs decreased due to continuing mild weather and storage levels getting closer to the 5-year average. Pursuant to Commission's Order (Case No. PU-21-381), new base rates (monthly basic service charge and distribution charge per therm) and the recovery factor for the manufactured gas plant remediation go into effect November 1, 2022. Compared to October, the Commercial/Industrial price is 9.65% higher and the Interruptible prices are 2.10-2.57% higher.

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

<u>Customer Class</u>	<u>\$/therm</u>
Residential	\$0.72847
Commercial/Industrial	\$0.76944
Small Interruptible	\$0.64430
Large Interruptible	\$0.64430

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  
DIRECTOR, REGULATORY PRICING AND ANALYSIS

Enclosures

Class	Component	Distribution Charge*	Current Month COG A	2021-2022 Annual True-Up B	2021 Feb. Event True-Up C	MGP D	Total Cost of Gas E = A+B+C+D	Total Rate
Residential	Basic Service	\$22.25						\$22.25
	Commodity	\$0.00000	\$0.65350	(\$0.02828)	\$0.09318	\$0.01007	\$0.72847	\$0.72847
Commercial/Industrial	Basic Service	\$35.00						\$35.00
	Commodity	\$0.13581	\$0.65350	(\$0.02823)	\$0.13410	\$0.01007	\$0.76944	\$0.90525
Small Interruptible	Basic Service	\$100.00						\$100.00
	Commodity	\$0.11065	\$0.54641	\$0.03042	\$0.05740	\$0.01007	\$0.64430	\$0.75495
Large Interruptible	Basic Service	\$275.00						\$275.00
	Commodity	\$0.07636	\$0.54641	\$0.03042	\$0.05740	\$0.01007	\$0.64430	\$0.72066

Units:

Customer Charge - \$ per month

Commodity Charge - \$ per therm

		<u>NATURAL GAS COST COMPONENT</u>		
		1	2	3
<b>Cost Summary</b>	Ref	Prior Cost	Current Adjusts	Current Cost
Annual Demand	(a)	0.04811	0.05898	0.10709
<u>Commodity</u>				
Residential	(b)	0.56359	-0.01718	0.54641
C & I	(b)	0.56359	-0.01718	0.54641
Sm Interruptible	(b)	0.56359	-0.01718	0.54641
Large Interruptible	(b)	0.56359	-0.01718	0.54641

BILLING COST OF GAS BY CLASS (From Column 3)

<b>Class Summary</b>	Residential	C&I	Small Interruptible	Large Interruptible
Annual Demand	0.10709	0.10709	N / A	N / A
Commodity	0.54641	0.54641	0.54641	0.54641
SUBTOTAL	0.65350	0.65350	0.54641	0.54641
TRUE-UP	-0.02828	-0.02823	0.03042	0.03042
TRUE-UP (Feb. Weather Event)	0.09318	0.13410	0.05740	0.05740 *
MGP	0.01007	0.01007	0.01007	0.01007
<b>TOTAL COG</b>	<b>0.72847</b>	<b>0.76944</b>	<b>0.64430</b>	<b>0.64430</b>

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

**DERIVATION OF CURRENT COSTS - NORTH DAKOTA**

November 1, 2022

	<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	\$43,414,599	\$33,413,639	
2. <u>x North Dakota Design Day Ratio</u>	<u>12.79%</u>	<u>12.79%</u>	
3. North Dakota System Demand Allocation	\$5,551,874	\$4,272,947	
4. ND Annual / Seasonal Firm Therm Sales (Forecast)	104,887,100	78,897,520	
5. Demand Unit Cost \$/Therm	\$0.05293	\$0.05416	\$0.10709 (a)
<b><u>Commodity Cost</u></b>			
6. NNG Annual/Best Effort/Viking/WBI/Xcel Energy Peakshaving			\$50,036,055
7. <u>x ND Portion of Monthly Retail Sales</u>			<u>14.74%</u>
8. ND Portion of Monthly Commodity Costs			\$7,375,315
9. ND Budgeted Calendar Month Retail Therm Sales			13,497,888
10. Commodity Unit Cost \$/Therm (8 / 9)			\$0.54641 (b)
11. Hedging Cost per Therm (informational)	\$0.00000		
<b><u>Total Gas Cost per Therm</u></b>			
12. Residential/Commercial & Industrial			<b>\$0.65350</b> (a) + (b)
13. Small and Large Interruptible Commodity			<b>\$0.54641</b> (b)



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

July 2022 through June 2023

	2022						2023					
<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	\$362,286	\$356,685	\$426,828	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Commercial & Industrial	\$1,129,220	\$1,080,761	\$1,320,993	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Small Interruptible	\$168,182	\$160,440	\$199,551	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Large Interruptible	\$570,987	\$562,206	\$903,274	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total</b>	<b>\$2,230,674</b>	<b>\$2,160,092</b>	<b>\$2,850,646</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	\$3,770,443	\$3,610,765	\$3,896,849	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Commodity	\$20,001,964	\$15,276,066	\$20,622,051	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Peak Shaving	\$48,805	\$57,391	\$56,235	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total Costs</b>	<b>\$23,821,211</b>	<b>\$18,944,221</b>	<b>\$24,575,135</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 *	0.1261	0.1261	0.1261	0.1261	0.1279	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Commodity (Monthly Sales)	0.1426	0.1478	0.1549	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Peak Shaving (Monthly Sales)	0.1426	0.1478	0.1549	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<u>ND Gas Costs</u>												
Demand	\$475,453	\$455,317	\$491,393	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Commodity	\$2,852,280	\$2,257,803	\$3,194,356	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Peak Shaving	\$6,960	\$8,482	\$8,711	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total Costs</b>	<b>\$3,334,693</b>	<b>\$2,721,602</b>	<b>\$3,694,460</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	(\$1,104,019)	(\$561,510)	(\$843,814)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Deferred Tax (@24.4%)	(\$269,381)	(\$137,008)	(\$205,891)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Net Balance	(\$834,638)	(\$424,502)	(\$637,923)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cumulative Net Balance	(\$834,638)	(\$1,259,140)	(\$1,897,063)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Interest Rate	2.23%	2.63%	2.63%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Monthly Interest	\$0	(\$21,951)	(\$33,115)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cumulative Interest		(\$21,951)	(\$55,066)	(\$55,066)	(\$55,066)	(\$55,066)	(\$55,066)	(\$55,066)	(\$55,066)	(\$55,066)	(\$55,066)	(\$55,066)

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

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**NOT PUBLIC DATA HAS BEEN EXCISED**

**Purchased Gas Adjustment, November 2022**  
**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	0	\$3.9520	12	\$0.00		\$0.00	
		TF12 112182 (Base) LE	0	\$4.5600	12	\$0.00		\$0.00	
		TF12 112182 (Base) Hugo	16,190	\$4.1040	12	\$797,325.12		\$797,325.12	
		TF12 112182 (Variable) C/R	31,801	\$3.9520	12	\$1,508,130.62		\$1,508,130.62	
		TF12 112182 (Variable) LE	32,608	\$4.5600	12	\$1,784,309.76		\$1,784,309.76	
		TF12 112182 (Variable) Hugo	13,928	\$4.1040	12	\$685,926.14		\$685,926.14	
		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 140626	16,255	\$19.4710	5	\$1,582,505.53	\$43,497,352.15	\$1,582,505.53	
	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		\$922,574.40	
		FTA AF0360	22,000	\$4.7580	12	\$1,256,112.00	\$10,066,286.78	\$1,256,112.00	
	ANR	FTS 114492	66,500	\$9.7559	12	\$7,785,208.20		\$7,785,208.20	
		FTS 106209	4,829	\$9.1300	12	\$529,065.24		\$529,065.24	
		FTS 106211	15,171	\$9.7559	5	\$740,033.79		\$740,033.79	
		FTS 106211	5,429	\$9.7559	7	\$370,753.47		\$370,753.47	
		FTS 135957	22,000	\$9.7559	12	\$2,575,557.60	\$12,000,618.30	\$2,575,557.60	
	GLT	FT18539	3,509	\$8.1860	5	\$143,623.37		\$143,623.37	
		FT18539	5,370	\$8.1860	7	\$307,711.74		\$307,711.74	
		FT18129	9,248	\$8.1860	5	\$378,520.64	\$829,855.75	\$378,520.64	
	WBI	FT-1482	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>						\$67,393,355.39		\$43,414,599.48	\$23,978,755.91
<b>3rd PARTY SUPPLIES</b>									
<b>[PROTECTED DATA BEGINS]</b>									
						\$1,482,949.44		\$0.00	\$1,482,949.44
<b>[PROTECTED DATA ENDS]</b>									

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**NOT PUBLIC DATA HAS BEEN EXCISED**

**Purchased Gas Adjustment, November 2022**  
**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	15,237	\$1.6797	12	\$307,123.07	\$307,123.07		\$307,123.07
	ANRS	ANRS: R	9,248	\$1.2000	5	\$55,488.00			\$55,488.00
		ANRS: R	9,248	\$1.4160	7	\$91,666.18	\$147,154.18		\$91,666.18
	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>
							\$7,951,933.31		\$7,951,933.31
		<i>Subtotal Storage:</i>					<u>\$76,828,238.14</u>	<u>\$43,414,599.48</u>	<u>\$33,413,638.66</u>
<b>TOTAL MN/ND ALLOCATED DEMAND:</b>									

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**Purchased Gas Adjustment, November 2022**  
**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
	Rate	Rate	
	Nov-Mar	Apr-Oct	
<u>Cost Components</u>	<u>(\$/Dth)</u>	<u>(\$/Dth)</u>	<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
	Rate	Rate	
	Nov-Mar	Apr-Oct	
<u>Cost Components</u>	<u>(\$/Dth)</u>	<u>(\$/Dth)</u>	<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
	Rate	
	Nov-Mar	
<u>Cost Components</u>	<u>(\$/Dth)</u>	<u>Source</u>
Base Tariff Rate - TF5	\$19.471	see Note 1

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**Purchased Gas Adjustment, November 2022**  
**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)	0	0	16,190	Contract
times Discounted Rate	\$3.952	\$4.560	\$4.104	Contract
times Month/Year	12	12	12	Contract
Annual Total	\$0.00	\$0.00	\$797,325.12	\$797,325.12
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	16,190	
Annual Total	\$0.00	\$0.00	\$1,891,736.74	\$1,891,736.74
TF12B Annual Savings				\$1,094,411.62

<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)	31,801	32,608	13,928	Contract
times Discounted Rate	\$3.952	\$4.560	\$4.104	Contract
times Month/Year	12	12	12	Contract
Annual Total	\$1,508,130.62	\$1,784,309.76	\$685,926.14	\$3,978,366.53
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	13,928	
Annual Total	\$4,458,850.01	\$4,572,000.29	\$1,952,858.81	\$10,983,709.11
TF12V Annual Savings				\$7,005,342.58

<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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**NOT PUBLIC DATA HAS BEEN EXCISED**

**Purchased Gas Adjustment, November 2022**  
**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	\$3.952	\$4.560	\$4.104	Contract	
<u>times Month/Year</u>	<u>5</u>	<u>5</u>	<u>5</u>	<u>Contract</u>	
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		
<u>times Month/Year</u>	<u>5</u>	<u>5</u>	<u>5</u>		
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			
<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	\$4.256	\$4.104	\$4.104	Contract	
<u>times Month/Year</u>	<u>12</u>	<u>5</u>	<u>2</u>	<u>Contract</u>	
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	\$1,143,413.68	\$501,254.98		\$1,894,108.33
TFX Annual Savings					\$1,622,572.64

<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	19,999	19,999	Contract	
times Discounted Rate	\$3.344	\$6.103	\$4.500	Contract	
<u>times Month/Year</u>	<u>12</u>	<u>5</u>	<u>7</u>	<u>Contract</u>	
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		\$8,908,263.04
TFX Annual Savings			\$2,812,593.54		

<b>NNG Firm Transportation - TFX 112185 Growth Option</b>					
TFX Annual Dollars	Cedar/Rosemount				
<u>Discount Rate</u>	<u>Value</u>	<u>Source</u>			
Volume (Dth)	3,767	Contract			
times Discounted Rate	\$4.560	Contract			
<u>times Month/Year</u>	<u>12</u>	<u>Contract</u>			
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 2022**  
**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)	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
Annual Total	\$6,060,932.88	\$1,479,003.56	\$309,661.81	
	Rate	Rate		
	Nov-Dec	Apr-Oct		
<u>Cost Components</u>	<u>(\$/Dth)</u>	<u>(\$/Dth)</u>	<u>Source</u>	
Base Tariff Rate - TFX	\$19.471	\$7.303	see Note 2	

<b>NNG Firm Transportation - TFX 112184</b>				
<u>TFX Annual Dollars</u>	<u>Value</u>	<u>Source</u>		
Discount Rate	25,000	Contract		
Volume (Dth)	25,000	Contract		
times Discounted Rate	\$12.500	Contract		
times Month/Year	5	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	\$19.471			
times Month/Year	5			
Annual Total	\$2,433,875.00			
TFX Annual Savings				\$871,375.00

<b>NNG Firm Transportation - TFX 111739</b>				
<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			
Annual Total	\$2,774,617.50			
	Rate	Rate		
	Nov-Dec	Jan-Mar		
<u>Cost Components</u>	<u>(\$/Dth)</u>	<u>(\$/Dth)</u>	<u>Source</u>	
Base Tariff Rate - TFX	\$19.471	\$7.303	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)	17,273	17,273	Contract	
times Total Rate	\$9.357	\$4.000	See detail below	
times Month/Year	5	7		
Annual Total	\$808,100.03	\$483,644.00		
	Rate	Rate		
	Nov-Mar	Apr-Oct		
<u>Cost Components</u>	<u>(\$/Dth)</u>	<u>(\$/Dth)</u>		
Discount Rate - TFX	\$9.357	\$4.000		
TFX Full Rate	\$1,681,612.92	\$883,013.03		
TFX Annual Savings				\$1,272,881.916

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**Purchased Gas Adjustment, November 2022**  
**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	
	Rate	Rate	
	Nov-Dec	Apr-Oct	
<u>Cost Components</u>	<u>(\$/Dth)</u>	<u>(\$/Dth)</u>	<u>Source</u>
Base Tariff Rate - TFX	\$19.471	\$7.303	see Note 2

***NNG Firm Transportation - TFX 140626***

<u>TFX12 Annual Dollars</u>	<u>Value</u>	<u>Source</u>	
Volume (Dth)	16,255	Contract	
times Total Rate	\$19.471	See detail below	
times Month/Year	5		
Annual Total	\$1,582,505.53		
	Rate	Rate	
	Nov-Dec	Jan-Mar	
<u>Cost Components</u>	<u>(\$/Dth)</u>	<u>(\$/Dth)</u>	<u>Source</u>
Base Tariff Rate - TFX	\$19.471	\$7.303	see Note 2

***VGT Firm Transportation - FTA AF0360***

<u>FT-A Annual Dollars</u>	<u>Value</u>	<u>Source</u>	
Volume (Dth)	22,000	Contract	
times Total Rate	\$4.7580	See detail below	
times Month/Year	12		
Annual Total	\$1,256,112.00		
<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 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	
	Rate		
<u>Cost Components</u>	<u>(\$/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 2022**  
**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	
Annual Total	\$890,697.60	

<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	
Annual Total	\$856,440.00	

<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	
Annual Total	\$922,574.40	

<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

**PUBLIC DOCUMENT**  
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**Purchased Gas Adjustment, November 2022**  
**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	\$9.7559	Contract
times Month/Year	12	
<b>Annual Total</b>	<b>\$7,785,208.20</b>	

<u>Cost Components</u>	<u>Rate (\$/Dth)</u>	<u>Source</u>
Base Tariff Rate: ML-7 to ML-7	\$9.7559	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	
<b>Annual Total</b>	<b>\$220,443.85</b>	

<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	5,429	Contract
times Total Rate	\$9.7559	\$9.7559	See detail below
times Month/Year	5	7	
<b>Annual Total</b>	<b>\$740,033.79</b>	<b>\$370,753.47</b>	

<u>Cost Components</u>	<u>Rate (\$/Dth)</u>	<u>Source</u>
Base Tariff Rate: ML-7 to ML-7	\$9.7559	See Note 4

**ANR Firm Transportation - FTS 135957**

<u>FTS-1 Annual Dollars</u>	<u>Value</u>	<u>Source</u>
Volume (Dth)	22,000	Contract
times Total Rate	\$9.7559	See detail below
times Month/Year	12	
<b>Annual Total</b>	<b>\$2,575,557.60</b>	

<u>Cost Components</u>	<u>Rate (\$/Dth)</u>	<u>Source</u>
Base Tariff Rate: ML-7 to ML-7	\$9.7559	See Note 4

**GLT Firm Transportation - FT18539**

<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	
<b>Annual Total</b>	<b>\$143,623.37</b>	<b>\$307,711.74</b>	

<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 2022**  
**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-1482**

<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 (RP22-501), Effective August 1, 2022
- [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-22  
Northern States Power Company

WACOG Worksheet

<i>SUMMARY INFORMATION</i>					
	Firm	Interruptible	Combined	High	Low
NNG	\$5.2176	\$5.3161	\$5.2548	\$5.4268	\$4.9647
VGT	\$5.1993	\$5.4709	\$5.3038	\$5.2104	\$5.1651
WBI	\$4.7513	---	\$4.7513	\$4.7513	\$4.7513
ANR	\$4.9994	---	\$4.9994	\$4.9994	\$4.9994
SYSTEM	---	---	\$5.4581	\$5.4268	\$4.7513

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

[PROTECTED DATA BEGINS

1	\$5.2119	Not included			
2	\$5.1816	Not included			
3	\$4.9647	Not included			
4	\$5.0853	Not included			
5	\$5.1786	Not included			
6	\$5.1685	Not included			
7	\$5.1786	Not included			
8	\$5.0248	Not included			
9	\$5.3965	Not included			
10	\$5.4268	Not included			
11	\$5.4016	Not included			
12	\$5.3007	Not included			

Subtotal \$5.2176

**NNG Interruptible**

	\$5.194	Not included			
	\$5.218	Not included			
	\$5.292	Not included			
	\$5.353	Not included			

ANR Storage  
FDD Storage  
Vent Spot Pur  
Demarc Spot Pur

Subtotal \$5.3161

**GLT/VGT Firm**

13	\$5.1651				
14	\$5.2104				
15	\$5.2054				

Subtotal \$5.1993

**VGT Interruptible**

	\$5.471	Not included			
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Emerson Spot Pur

Subtotal \$5.4709

**WBI Firm**

16	\$4.7513	Not included			
Subtotal	\$4.7513				

PROTECTED DATA ENDS]

Nov-22  
Northern States Power Company

WACOG Worksheet

<b>WBI Interruptible</b>									
	\$0.0000	Not included							

[PROTECTED DATA BEGINS

Subtotal

**ANR Firm**

		Not included							
		Not included							
		Not included							
		Not included							
<b>17</b>	\$4.9994	Not included							

Subtotal

\$4.9994

**NNG Other**

SMS	\$0.0208	Not included							
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Subtotal

**NSP Peakshaving**

LNG Boiloff	\$2.4700	Not included							
LNG	\$2.4700	Not included							
LPG	\$9.7161	Not included							

Subtotal

\$2.4700

PROTECTED DATA ENDS]

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

**STORAGE Firm**

[PROTECTED DATA BEGINS

	\$7.3400	Not included							
	\$7.3600	Not included							
	\$7.7600	Not included							
		Not included							
		Not included							
Balancing Demand		Not included							
Storage Demand		Not included							

Subtotal

9.5869

PROTECTED DATA ENDS]

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

**Hedging Adjustment/Opportunity Sales**

[PROTECTED DATA BEGINS

Hedging Adj.	\$0.0000	Not included			
Opportunity Sales		Not included			

Subtotal

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PROTECTED DATA ENDS]

**TOTAL**

ALL	\$5.4581	Not included	9,157,192	\$49,980,586	\$49,980,586
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Northern States Power Company

Nov-22

**Actual Daily Delivery Variance Charges  
Pursuant to Docket No. G,E999/AA-96-940**

Prod. Month	Negative		Positive		Punitive		Critical @ \$113.42/Mcf		WBI @ \$26.61054/Mcf		WBI @ \$18.61004/Mcf	
	Mcf	Dollars	Mcf	Dollars	Mcf	Dollars	Mcf	Dollars	Mcf	Dollars	Mcf	Dollars
Jan-21	0	\$0.00	4,107	\$4,107.00	0	\$0.00	0	\$0.00	0	0	0	\$0.00
Feb-21	1,383	\$911.12	84	\$418.95	97	\$1,557.34	0	\$0.00	0	0	0	\$0.00
Mar-21	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	0	0	\$0.00
Apr-21	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	0	0	\$0.00
May-21	3,799	\$981.28	94,811	\$24,489.68	0	\$0.00	0	\$0.00	0	0	0	\$0.00
Jun-21	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	0	0	\$0.00
Jul-21	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	0	0	\$0.00
Aug-21	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	0	0	\$0.00
Sep-21	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	0	0	\$0.00
Oct-21	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	0	0	\$0.00
Nov-21	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	0	0	\$0.00
Dec-21	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	0	0	\$0.00
Jan-22	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	0	0	\$0.00
Feb-22	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	0	0	\$0.00
Mar-22	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	0	0	\$0.00
Apr-22	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	0	0	\$0.00
May-22	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	0	0	\$0.00
Jun-22	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	0	0	\$0.00
Jul-22	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	0	0	\$0.00
Aug-22	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	0	0	\$0.00
Sep-22	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	0	0	\$0.00

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/	
COMMODITY RATES 2/ TFX and LFT		Market Area 3/		Field Mileage 5/		Carlton Surcharges 4/		Out-of-Balance 3/	
Receipt Point	Delivery Point	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Base Tariff Rates 1/		\$5,683	\$15,153	\$5,473		\$9,853			
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/			
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