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September 30, 2022

Executive Secretary
North Dakota Public Service
Commission
State Capitol Building
Bismarck, ND 58505

Re: Cost of Gas Adjustment (COG)
October 2022
Case No. PU-22-010

Great Plains Natural Gas Co. (Great Plains), a Division of Montana-Dakota Utilities Co., herewith electronically submits a Cost of Gas Adjustment (COG) pursuant to North Dakota Century Code 49-05-05.

Attachment A is the Rate Summary Sheet (194th Revised Sheet No. 1.1) showing the proposed natural gas rates and the October 2022 cost of gas. The net effect of this filing is a decrease of \$4.7302 per dk for firm customers and a decrease of \$3.7020 for interruptible customers.

Attachment B shows the calculations supporting the gas costs for October 2022, including the calculation of the commodity cost of gas. The commodity cost of gas has decreased \$3.2365 per dk for all customers since the last COG filing due to a decrease in the market price of gas.

Attachment C explains the reasons for the change in the market price of gas.

Attachment D shows the calculation of the Gas Cost Reconciliation (GCR) adjustment that will apply during the period of October 1, 2022 through September 30, 2023. The total GCR is a decrease of \$1.4937 per dk for firm customers and a decrease of \$0.4655 for interruptible customers.

Great Plains will submit the \$50.00 filing fee following this filing.

Great Plains respectfully requests this electronic filing, in lieu of an original and two (2) physical copies, be accepted as being in full compliance with the filing requirements of this Commission.

If you have questions regarding this filing, please contact me at (701) 222-7855 or travis.jacobson@mdu.com

Sincerely,

/s/ Travis R. Jacobson

Travis R. Jacobson
Director of Regulatory Affairs

Attachments

Attachment A



GREAT PLAINS NATURAL GAS CO.
A Division of Montana-Dakota Utilities Co.

**State of North Dakota
 Gas Rate Schedule**

NDPSC Volume 2

194th Revised Sheet No. 1.1

Canceling 193rd Revised Sheet No.1.1

RATE SUMMARY SHEET

Page 1 of 1

Rate Schedule	Sheet No.	Basic Service Charge	Distribution Delivery Charge	COG Items	Total Rate/dk
Firm Gas Service - General Rate 65	2	\$0.250 per day	\$0.9220 per dk	\$5.5235	\$6.4455
Interruptible Gas Service - General Rate 71	3	\$180.00 per month	(Maximum) \$0.6690 per dk	\$5.4299	(Maximum) \$6.0989
Transportation Service Rate 80	5	\$180.00 per month	(Maximum) \$0.6690 per dk		(Maximum) \$0.6690

Date Filed: September 30, 2022

Effective Date: Service rendered on and after October 1, 2022

Issued By: Travis R. Jacobson
 Director - Regulatory Affairs

Case No.: PU-20-379

**GREAT PLAINS NATURAL GAS CO.
WAHPETON
PURCHASED GAS COST ADJUSTMENT
OCTOBER 2022**

Attachment B
Page 1 of 9

	Billing Determinants	Rate 1/	Demand Months	Amount	Amount Per Dk
<u>Viking Firm</u>					
FT-A - Zone 1-1 (Cat. 3)	8,000	\$3.8060	12	\$365,376	\$0.1155
FT-A - Zone 1-1 (Cat. 1)	5,000	3.8060	12	228,360	0.0722
FT-A Seasonal (Cat. 3)	2,000	3.8060	5	38,060	0.0120
FT-A - Zone 1-1 (Cat. 3)	5,000	3.8060	12	228,360	0.0722
<u>Northern Natural Firm</u>					
TFX - Winter/Seasonal	15,000	19.4710	5	1,460,325	0.4615
TFX - Summer	13,000	7.3030	7	664,573	0.2100
TF12 Base - Summer	3,653	7.3030	7	186,745	0.0590
TF12 Base - Winter	3,653	13.1450	5	240,093	0.0759
TF12 Variable - Summer	3,882	7.3030	7	198,452	0.0627
TF12 Variable - Winter	3,882	17.8180	5	345,847	0.1093
TF5	3,410	19.4710	5	331,981	0.1049
TFX - Summer	3,000	7.3030	7	153,363	0.0485
TFX - Winter	8,200	19.4710	5	798,311	0.2523
FDD-1 Reservation	4,640	2.8624	12	159,378	0.0504
Interruptible Demand Credit 4/				(654,173)	(0.2067)
Total Demand Charges				<u>\$4,745,051</u>	<u>\$1.4997</u>
Estimated Weighted Average Commodity Cost	3,164,203 2/	\$5.5175		17,458,490	5.5175
Gas Cost Reconciliation Adjustment					(1.4937)
Total Current Firm Gas Cost				<u>\$22,203,541</u>	<u>\$5.5235</u>
<u>Interruptible</u>					
Demand Charge 3/					\$0.3779
Estimated Weighted Average Commodity Cost					5.5175
Gas Cost Reconciliation Adjustment					(0.4655)
Total Current Interruptible Gas Cost					<u>\$5.4299</u>
1/ Effective October 1, 2022					
2/ Annual demand volume including Minnesota.					
3/ Interruptible demand charge based on 100% load factor:					
Firm Capacity (Per MN DEQ filing: Docket No. G004/M-21-522)		39,145			
Dk @ 100% Load Factor (Firm capacity x 365 days)		14,287,925			
Total Demand Charges (Excl. Interruptible Demand Credit)		<u>\$5,399,224</u>			
Interruptible Demand Charge per dk @ 100% LF		\$0.3779			
4/ Interruptible Demand Credit:					
Interruptible Demand Charge per dk @ 100% LF		\$0.3779			
Total annual interruptible volumes		<u>1,731,075</u>			
Total Interruptible Demand Credit		(\$654,173)			
Total annual firm volumes		<u>3,164,203</u>			
Interruptible Demand Credit per dk - Firm		(\$0.2067)			

**GREAT PLAINS NATURAL GAS CO.
WAHPETON
ESTIMATED GAS COSTS
OCTOBER 2022**

	<u>Total System Supply</u>	<u>Cost per Dk</u>	<u>FDD-1 Storage</u>	<u>FDD-1 Capacity</u>	<u>SMS 1/</u>	<u>Viking Transport</u>
<u>Estimated Cost Per Dk</u>						
Commodity Cost of Gas		\$5.3877				
Transportation - Northern Natural		0.0177	\$0.0177		\$0.0208	
Transportation - Viking						\$0.0148
Withdrawal Fee			0.0197			
Fuel Transportation - Northern Natural 2/		0.0005				
Fuel Transportation - Viking 2/						0.0726
SMS Demand 3/		0.0197	0.0197			
LMS Demand 3/		0.0061	0.0061			
FDD-1 Capacity 4/				\$0.0326		
Total Cost Per Dk		\$5.4317	\$0.0632	\$0.0326	\$0.0208	\$0.0874
Total Estimated Dk Purchases 5/	391,995	391,995	0			236,530
Estimated Cost	\$2,162,849	\$2,129,199	\$0	\$12,779	\$198	\$20,673
Average Cost Per Dk		<u><u>\$5.5175</u></u>				

1/ Monthly requirement of 9,500 Dk.

	<u>NNG</u>	<u>Viking</u>
2/ Transportation Fuel Percentage of Field Area and Other	0.00%	0.00%
Market Area	0.01%	1.33%
Total	0.01%	1.33%

3/ Amount divided by the annual demand volume pursuant to Minnesota Rule 7825.2700 Subpart 5.

	<u>Billing Determinants</u>	<u>Rate</u>	<u>Demand Months</u>	<u>Amount</u>	<u>Amount Per Dk</u>
SMS Demand	2,500	\$3.2110	12	\$96,330	\$0.0197
LMS Demand	2,500	1.0000	12	30,000	0.0061

4/ Amount divided by the annual demand volume pursuant to Minnesota Rule 7825.2700 Subpart 5.

	<u>Billing Determinants</u>	<u>Rate</u>	<u>Demand Months</u>	<u>Amount</u>	<u>Amount Per Dk</u>
FDD-1 Demand Charge (Capacity Charge)	53,509	\$0.5957	5	\$159,377	\$0.0326

**GREAT PLAINS NATURAL GAS CO.
WAHPETON
ESTIMATED GAS COSTS
OCTOBER 2022**

5/ Dk requirements for October	Required Monthly	Days in Month	Required Daily	Percent Supply
Estimated Dk Purchases	453,582	31	14,632	116%
Storage Gas	(61,587)	31	(1,987)	-16%
Total Dk Requirements	391,995		12,645	100%

Transportation Fuel

	NNG	Viking
Dk	391,995	236,530
Adjusted for Fuel Dk	392,034	239,718
Fuel Costs	\$210	\$17,176
Fuel Cost Per Dk	\$0.0005	\$0.0726

Storage Fuel - NNG

Dk	0
Adjusted for Fuel Dk	0
Fuel Costs	\$0
Fuel Cost Per Dk	\$0.0000

STATEMENT OF RATES
 (Rates Per Dekatherm)

Currently Effective Term-Differentiated Rates

Rate Schedule	Base Tariff Rate
Category 1 (Contract Term of Less than 3 Years)	
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
Category 2 (Contract Term of 3 Years to less than 5 Years)	
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
Category 3 (Contract Term of 5 or more Years)	
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.

Rate Schedule	Base Tariff Rate	Fuel and Loss Retention Percentages 2/
Commodity Rates 1/		
FT-A – Maximum Rates		
Zone 1-1	\$0.0136	1.33%
Zone 1-2	\$0.0136	1.74%
Zone 2-2	\$0.0136	0.41%
Minimum Rate	\$0.0136	
IT and AOT		
Zone 1-1	\$0.1422	1.33%
Zone 1-2	\$0.1750	1.74%
Zone 2-2	\$0.0995	0.41%
Minimum Rate	\$0.0136	

- 1/ Pursuant to Section 19 of the General Terms and Conditions, the maximum and minimum commodity rates shall be increased to include the Commission-authorized Annual Charge Adjustment unit rate as published on the Commission's Web Site located at <http://www.ferc.gov>.
- 2/ The Fuel and Loss Retention Percentages shall be applicable to all transportation rate schedules and includes the following Gas Lost and Unaccounted For Percentages: 0.00% for Zone 1-1, 0.00% for Zone 1-2, and 0.00% for Zone 2-2. Transportation entirely by Displacement will incur only the Gas Lost and Unaccounted For Percentages.

Rate Schedule	Base Tariff Rate	Adjustment Under Section 27 1/	Rate After Current Adjustment
LMS – Monthly Demand Rate	\$1.0000		\$1.0000
LMS – Daily Overrun Rate	\$0.1750		\$0.1750
LMS – Load Management Cost Reconciliation Adjustment		\$0.0010	

- 1/ Pursuant to Section 27 of the General Terms and Conditions of this Tariff, a mechanism is established to reconcile through surcharges or credits to the Rate Schedule LMS rate, as appropriate, differences between the cost to maintain Company's line pack gas and the amounts Company receives or pays for such gas arising out of the purchase and sale of such gas.

Rate Schedule	Maximum Rate Per Dekatherm	Minimum Rate Per Dekatherm
PAL		
NPL, OPL, and APL Service:		
Daily Commodity Rate	\$0.1750	\$0.0000
RPL Service:		
Daily Reservation Rate	\$0.1750	\$0.0000

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)	<u>13.145</u>	<u>17.818</u>	<u>19.471</u>
			<u>6.212</u>
			<u>11.183</u>

COMMODITY RATES 2/		Market Area 3/ 6/		Field Mileage 5/		Carlton		Out-of Balance 3/	
TF12 Base, TF12 Var., TF5 & TFF		Maximum	Minimum	Rate per 100 miles	Minimum	Maximum	Minimum	Maximum	Minimum
Receipt Point	Delivery Point					Surcharge 4/			
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 <https://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 <https://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 TFX 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 <https://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 <https://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 TF, TFX, GST, TI, & FDD

Fuel Percentages/Electric Compression Rates

	<u>Percentages</u>
FUEL PERCENTAGES:	1/ 7/
Market Area (including Out-of-Balance)	0.33%
Field Area	2/ 3/ 5/ 6/
UNACCOUNTED FOR PERCENTAGE (including Out-of-Balance)	-0.32% 4/ 5/ 7/
FDD STORAGE FUEL	1.51%
FDD URR PERCENTAGE	0.11% 1/
	<u>Electric Compression</u>
COMMODITY RATES:	1/ 7/
Market Area	\$0.0002
Field Area	\$0.0000

1/ Northern will adjust its Fuel, UAF and URR percentages and electric compression commodity rates in accordance with Sections 53A and 53B, respectively, of the GENERAL TERMS AND CONDITIONS of this Tariff.

2/ Fuel shall be determined by Mileage Indicator Districts (MIDS) for the Field Area.

3/ Fuel charged in the Field and Market Areas for a pooling transaction or for processing plant transactions will not exceed the Fuel charged on a unified Field-to-Market transaction having the same initial Field receipt point and ultimate Market delivery point, i.e., the total Fuel collected for transactions that go into and out of pooling points or processing plants in either the Field Area or the Market Area will be no greater than the Fuel collected on the total path between the original receipt point and the ultimate delivery point, subject to the Shipper(s) providing Northern the requisite information.

4/ The Unaccounted For percentage utilizes the most recent twelve-month period ending December 31, 2021. For deliveries subject only to UAF, if the above UAF rate is negative, the UAF rate is zero; provided, however Northern will issue a volume credit on the Shipper's monthly imbalance statement equivalent to the negative UAF percentage for such deliveries during the period in which the UAF rate is less than zero.

5/ Sheet No. 54A identifies the specific transportation transactions exempt from Fuel and UAF retention charges.

6/ The out-of-balance Fuel percentage for deliveries in MIDS 1-7 shall be the applicable Section 1 Transportation Fuel percentage, and for deliveries in MIDS 8-16B shall be the applicable Section 2 Transportation Fuel percentage.

7/ There will be no Fuel, electric compression or UAF charges 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 Fuel, electric compression or UAF charges for transportation as set forth in Sheet Nos. 141,142C and 147.

In the event facilities have been abandoned, Northern shall have the right to file to reduce the applicable MID Fuel percentage(s) on a common basis for all transactions affected by the abandonment to reflect the reduction in use for the remainder of the PRA period. In the event such abandoned facilities (gas compressors) have been replaced with electric compressors installed after October 1, 1998, and Northern reduces the applicable MID Fuel percentages, Northern has the right to file to increase the applicable electric compression commodity rate.

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.

**Great Plains Natural Gas Co.
Market Conditions for Wahpeton's Natural Gas
October 2022**

The principal gas sources of natural gas for Wahpeton, North Dakota are from the mid-continent area of the United States. The pricing for the majority of this gas is the Northern Natural Gas Co. Ventura, Iowa point which is an actively traded market point in North America. The NNG-Ventura Index is based on negotiated trades during the last five business days of the month, commonly known as bid week, and reported by Platt's Inside FERC's Gas Market Report published at the beginning of each month.

This month's monthly price for the NNG-Ventura Index is expected to decrease by approximately \$2.98/MMBTU from the previous month's index of \$8.55/MMBTU. The EIA reported nationwide storage levels as of September 16, 2022, at 10.4 percent below the five-year average and 6.4 percent below last year's balance.

The Department of Energy's (DOE) Energy Information Administration (EIA) provides various publications on energy issues. The information is available on the DOE website: <http://www.eia.doe.gov>.

**GREAT PLAINS NATURAL GAS CO.
GAS COST RECONCILIATION ADJUSTMENT
APPLICABLE TO NORTH DAKOTA
FIRM
TO BE EFFECTIVE OCTOBER 1, 2022 THROUGH SEPTEMBER 30, 2023**

(Over)/under recovered gas costs @ August 31, 2022: (\$441,536)

Less projected recovery from rates already established:

	Volume	Rate	Amount
September	6,400	\$0.0000	\$0

Additional recovery required (\$441,536)

Projected sales volumes (dk)

October 2022		20,000	
November		34,700	
December		49,600	
January 2023		56,300	
February		46,600	
March		37,400	
April		21,300	
May		8,400	
June		4,800	
July		5,000	
August		5,000	
September		6,500	
Total			295,600

Total gas cost reconciliation adjustment
to be effective October 1, 2022 through September 30, 2023. (\$1.4937)

**GREAT PLAINS NATURAL GAS CO.
GAS COST RECONCILIATION ADJUSTMENT
APPLICABLE TO NORTH DAKOTA
INTERRUPTIBLE
TO BE EFFECTIVE OCTOBER 1, 2022 THROUGH SEPTEMBER 30, 2023**

(Over)/under recovered gas costs @ August 31, 2022: (\$366,462)

Less projected recovery from rates already established:

	Volume	Rate	Amount
September	42,100	\$0.0000	\$0

Additional recovery required (\$366,462)

Projected sales volumes (dk)

October 2022		62,700	
November		74,900	
December		90,500	
January 2023		95,400	
February		85,600	
March		73,500	
April		67,200	
May		58,800	
June		55,100	
July		41,800	
August		39,600	
September		42,100	
Total			<u>787,200</u>

Total gas cost reconciliation adjustment
to be effective October 1, 2022 through September 30, 2023. (\$0.4655)

**GREAT PLAINS NATURAL GAS CO.
COMPUTATION OF (OVER) / UNDER RECOVERED GAS COST ACCOUNT BALANCE
APPLICABLE TO NORTH DAKOTA
FIRM**

	(Over) Under Recovery	Refunds & Other	Interest 1/ 2/	Total Net Additions	Actual Dk Sales	Adjustment Per Dk	Total Adjustment Amount	Net Change	Cumulative Balance
Balance @ April 30, 2021									\$593,350
May 2021	(\$32,394)		\$7	(\$32,387)	20,391	\$0.0000	\$0	(\$32,387)	560,963
June	(7,363)		14	(7,349)	9,437	0.0000	0	(7,349)	553,614
July	(17,733)		17	(17,716)	5,746	0.0000	0	(17,716)	535,898
August	(3,909)		17	(3,892)	5,305	1.9667	3,472 2/	(7,364)	528,534
September	(\$10,424)		13	(10,411)	5,657	1.9667	11,126	(21,537)	506,997
October	(14,404)		16	(14,388)	6,575	1.9667	12,931	(27,319)	479,678
November	(15,099)		15	(15,084)	16,545	1.9667	32,539	(47,623)	432,055
December	43,697		16	43,713	39,236	1.9667	77,165	(33,452)	398,603
January 2022	(98,704)		37	(98,667)	55,855	1.9667	109,850	(208,517)	190,086
February	(87,887)		37	(87,850)	58,447	1.9667	114,948	(202,798)	(12,712)
March	(40,964)		(7)	(40,971)	61,908	1.9667	121,754	(162,725)	(175,437)
April	(33,627)		(118)	(33,745)	34,896	1.9667	68,630	(102,375)	(277,812)
May	(30,075)		(236)	(30,311)	26,301	1.9667	51,726	(82,037)	(359,849)
June	35,086		(460)	34,626	10,378	1.9667	20,410	14,216	(345,633)
July	(78,993)		(661)	(79,654)	5,378	0.0000	7,155 3/	(86,809)	(432,442)
August	(8,126)		(968)	(9,094)	5,316	0.0000	0	(9,094)	(441,536)
Total	(\$339,520)	\$0	(\$2,316)	(\$341,836)	326,492		\$628,234	(\$970,070)	(\$441,536)

Balance @ August 31, 2022

- 1/ Interest calculated at the 3 Month Treasury Bill Rate.
- 2/ Reflects 3,540.1 dk @ \$0.0000 and 1,765.4 dk @ \$1.9667.
- 3/ Reflects 3,638.3 dk @ \$1.9667 and 1,739.8 dk @ \$0.0000.

**GREAT PLAINS NATURAL GAS CO.
COMPUTATION OF (OVER) / UNDER RECOVERED GAS COST ACCOUNT BALANCE
APPLICABLE TO NORTH DAKOTA
INTERRUPTIBLE**

	(Over) Under Recovery	Refunds & Other	Interest 1/ Additions	Total Net Sales	Actual Dk Per Dk	Adjustment Per Dk	Total Adjustment Amount	Net Change	Cumulative Balance
Balance @ April 30, 2021									\$1,569,371
May 2021	\$7,449		\$20	\$7,469	73,643	\$0.0000	\$0	\$7,469	1,576,840
June	2,030		40	2,070	70,779	0.0000	0	2,070	1,578,910
July	13,132		49	13,181	60,707	0.0000	0	13,181	1,592,091
August	1,704		50	1,754	58,285	1.9344	23,426 2/	(21,672)	1,570,419
September	(\$92,713)		39	(92,674)	61,252	1.9344	118,486	(211,160)	1,359,259
October	(4,462)		43	(4,419)	63,438	1.9344	122,714	(127,133)	1,232,126
November	(3,368)		39	(3,329)	75,241	1.9344	145,546	(148,875)	1,083,251
December	(34,529)		41	(34,488)	104,473	1.9344	202,093	(236,581)	846,670
January 2022	(19,431)		79	(19,352)	105,896	1.9344	204,845	(224,197)	622,473
February	(71,898)		128	(71,770)	114,962	1.9344	222,382	(294,152)	328,321
March	17,531		89	17,620	122,882	1.9344	237,703	(220,083)	108,238
April	3,397		63	3,460	76,004	1.9344	147,022	(143,562)	(35,324)
May	61,415		(36)	61,379	76,503	1.9344	147,987	(86,608)	(121,932)
June	25,018		(162)	24,856	73,881	1.9344	142,915	(118,059)	(239,991)
July	(65,741)		(461)	(66,202)	57,427	0.0000	87,554 3/	(153,756)	(393,747)
August	28,165		(880)	27,285	66,199	0.0000	0	27,285	(366,462)
Total	(\$156,616)	\$0	(\$1,018)	(\$157,634)	998,158		\$1,779,247	(\$1,936,881)	(\$366,462)
Balance @ August 31, 2022									(\$366,462)

1/ Interest calculated at the 3 Month Treasury Bill Rate.

3/ Reflects 46,174.9 dk @ \$0 and 12,110.4 dk @ \$1.9344.

3/ Reflects 45,261.5 dk @ \$1.9344 and 12,165.9 dk @ \$0.0000.

**GREAT PLAINS NATURAL GAS CO.
CALCULATION OF (OVER) UNDER RECOVERY OF GAS COSTS
APPLICABLE TO NORTH DAKOTA
FIRM**

	1/	2/	3/	Total
<u>May 2021</u>				
Cost of Gas - Actual	\$3.12950	\$2.23260	\$3.12950	
Cost of Gas - Recovered	4.22960	3.84420	3.84420	
(Over) Under recovery per dk	(\$1.10010)	(\$1.61160)	(\$0.71470)	
dk billed	5,360	17,565	(2,534)	20,391
(Over) Under recovery	(\$5,897)	(\$28,308)	\$1,811	(\$32,394)
<u>June 2021</u>				
Cost of Gas - Actual	\$0.30360	\$3.12950	\$0.30360	
Cost of Gas - Recovered	4.37800	4.22960	4.22960	
(Over) Under recovery per dk	(\$4.07440)	(\$1.10010)	(\$3.92600)	
dk billed	2,685	10,645	(3,893)	9,437
(Over) Under recovery	(\$10,939)	(\$11,710)	\$15,286	(\$7,363)
<u>July 2021</u>				
Cost of Gas - Actual	\$4.05330	\$0.30360	\$4.05330	
Cost of Gas - Recovered	4.87280	4.37800	4.37800	
(Over) Under recovery per dk	(\$0.81950)	(\$4.07440)	(\$0.32470)	
dk billed	1,938	3,976	(168)	5,746
(Over) Under recovery	(\$1,588)	(\$16,199)	\$54	(\$17,733)
<u>August 2021</u>				
Cost of Gas - Actual	\$4.63270	\$4.05330	\$4.63270	
Cost of Gas - Recovered	5.49670	4.87280	4.87280	
(Over) Under recovery per dk	(\$0.86400)	(\$0.81950)	(\$0.24010)	
dk billed	1,765	2,647	893	5,305
(Over) Under recovery	(\$1,525)	(\$2,169)	(\$215)	(\$3,909)
<u>September 2021</u>				
Cost of Gas - Actual	\$4.20050	\$4.63270	\$4.20050	
Cost of Gas - Recovered	5.87400	5.49670	5.49670	
(Over) Under recovery per dk	(\$1.67350)	(\$0.86400)	(\$1.29620)	
dk billed	1,945	4,119 4/	(407)	5,657
(Over) Under recovery	(\$3,255)	(\$7,697)	\$528	(\$10,424)
<u>October 2021</u>				
Cost of Gas - Actual	\$3.84610	\$4.20050	\$3.84610	
Cost of Gas - Recovered	6.95010	5.87400	5.87400	
(Over) Under recovery per dk	(\$3.10400)	(\$1.67350)	(\$2.02790)	
dk billed	2,412	4,302	(139)	6,575
(Over) Under recovery	(\$7,487)	(\$7,199)	\$282	(\$14,404)

- 1/ Consumed in current month (current month billed @ current month rate).
2/ Consumed in prior month (prior month unbilled billed @ prior month rate).
3/ True-up of prior month volumes (current month billed @ prior month rate).
4/ Includes annual volume true-up.

GREAT PLAINS NATURAL GAS CO.
CALCULATION OF (OVER) UNDER RECOVERY OF GAS COSTS
APPLICABLE TO NORTH DAKOTA
FIRM

	<u>1/</u>	<u>2/</u>	<u>3/</u>	<u>Total</u>
<u>November 2021</u>				
Cost of Gas - Actual	\$8.05590	\$3.84610	\$8.05590	
Cost of Gas - Recovered	<u>7.66440</u>	<u>6.95010</u>	<u>6.95010</u>	
(Over) Under recovery per dk	<u>\$0.39150</u>	<u>(\$3.10400)</u>	<u>\$1.10580</u>	
dk billed	<u>5,281</u>	<u>7,037</u>	<u>4,227</u>	16,545
(Over) Under recovery	<u><u>\$2,068</u></u>	<u><u>(\$21,841)</u></u>	<u><u>\$4,674</u></u>	<u><u>(\$15,099)</u></u>
<u>December 2021</u>				
Cost of Gas - Actual	\$4.81110	\$8.05590	\$4.81110	
Cost of Gas - Recovered	<u>6.79050</u>	<u>7.66440</u>	<u>7.66440</u>	
(Over) Under recovery per dk	<u>(\$1.97940)</u>	<u>\$0.39150</u>	<u>(\$2.85330)</u>	
dk billed	<u>12,089</u>	<u>44,713</u>	<u>(17,566)</u>	39,236
(Over) Under recovery	<u><u>(\$23,929)</u></u>	<u><u>\$17,505</u></u>	<u><u>\$50,121</u></u>	<u><u>\$43,697</u></u>
<u>January 2022</u>				
Cost of Gas - Actual	\$6.55030	\$4.81110	\$6.55030	
Cost of Gas - Recovered	<u>8.34680</u>	<u>6.79050</u>	<u>6.79050</u>	
(Over) Under recovery per dk	<u>(\$1.79650)</u>	<u>(\$1.97940)</u>	<u>(\$0.24020)</u>	
dk billed	<u>18,892</u>	<u>32,133</u>	<u>4,830</u>	55,855
(Over) Under recovery	<u><u>(\$33,939)</u></u>	<u><u>(\$63,605)</u></u>	<u><u>(\$1,160)</u></u>	<u><u>(\$98,704)</u></u>
<u>February 2022</u>				
Cost of Gas - Actual	\$6.50210	\$6.55030	\$6.50210	
Cost of Gas - Recovered	<u>7.13480</u>	<u>8.34680</u>	<u>8.34680</u>	
(Over) Under recovery per dk	<u>(\$0.63270)</u>	<u>(\$1.79650)</u>	<u>(\$1.84470)</u>	
dk billed	<u>14,461</u>	<u>49,850</u>	<u>(5,864)</u>	58,447
(Over) Under recovery	<u><u>(\$9,149)</u></u>	<u><u>(\$89,555)</u></u>	<u><u>\$10,817</u></u>	<u><u>(\$87,887)</u></u>
<u>March 2022</u>				
Cost of Gas - Actual	\$4.98910	\$6.50210	\$4.98910	
Cost of Gas - Recovered	<u>5.93390</u>	<u>7.13480</u>	<u>7.13480</u>	
(Over) Under recovery per dk	<u>(\$0.94480)</u>	<u>(\$0.63270)</u>	<u>(\$2.14570)</u>	
dk billed	<u>19,425</u>	<u>45,304</u>	<u>(2,821)</u>	61,908
(Over) Under recovery	<u><u>(\$18,352)</u></u>	<u><u>(\$28,664)</u></u>	<u><u>\$6,052</u></u>	<u><u>(\$40,964)</u></u>
<u>April 2022</u>				
Cost of Gas - Actual	\$5.60790	\$4.98910	\$5.60790	
Cost of Gas - Recovered	<u>6.47500</u>	<u>5.93390</u>	<u>5.93390</u>	
(Over) Under recovery per dk	<u>(\$0.86710)</u>	<u>(\$0.94480)</u>	<u>(\$0.32600)</u>	
dk billed	<u>11,058</u>	<u>26,289</u>	<u>(2,451)</u>	34,896
(Over) Under recovery	<u><u>(\$9,588)</u></u>	<u><u>(\$24,838)</u></u>	<u><u>\$799</u></u>	<u><u>(\$33,627)</u></u>

- 1/ Consumed in current month (current month billed @ current month rate).
- 2/ Consumed in prior month (prior month unbilled billed @ prior month rate).
- 3/ True-up of prior month volumes (current month billed @ prior month rate).
- 4/ Includes annual volume true-up.

**GREAT PLAINS NATURAL GAS CO.
CALCULATION OF (OVER) UNDER RECOVERY OF GAS COSTS
APPLICABLE TO NORTH DAKOTA
FIRM**

	<u>1/</u>	<u>2/</u>	<u>3/</u>	<u>Total</u>
<u>May 2022</u>				
Cost of Gas - Actual	\$7.51130	\$5.60790	\$7.51130	
Cost of Gas - Recovered	8.39790	6.47500	6.47500	
(Over) Under recovery per dk	(\$0.88660)	(\$0.86710)	\$1.03630	
dk billed	6,539	23,514	(3,752)	26,301
(Over) Under recovery	<u>(\$5,797)</u>	<u>(\$20,389)</u>	<u>(\$3,889)</u>	<u>(\$30,075)</u>
<u>June 2022</u>				
Cost of Gas - Actual	(\$9.15320)	\$7.51130	(\$9.15320)	
Cost of Gas - Recovered	10.44580	8.39790	8.39790	
(Over) Under recovery per dk	(\$19.59900)	(\$0.88660)	(\$17.55110)	
dk billed	2,843	13,385	(5,850)	10,378
(Over) Under recovery	<u>(\$55,726)</u>	<u>(\$11,867)</u>	<u>\$102,679</u>	<u>\$35,086</u>
<u>July 2022</u>				
Cost of Gas - Actual	\$6.07940	(\$9.15320)	\$6.07940	
Cost of Gas - Recovered	7.50200	10.44580	10.44580	
(Over) Under recovery per dk	(\$1.42260)	(\$19.59900)	(\$4.36640)	
dk billed	1,740	3,980	(342)	5,378
(Over) Under recovery	<u>(\$2,475)</u>	<u>(\$78,012)</u>	<u>\$1,494</u>	<u>(\$78,993)</u>
<u>August 2022</u>				
Cost of Gas - Actual	\$7.95050	\$6.07940	\$7.95050	
Cost of Gas - Recovered	9.90390	7.50200	7.50200	
(Over) Under recovery per dk	(\$1.95340)	(\$1.42260)	\$0.44850	
dk billed	1,912	3,163	241	5,316
(Over) Under recovery	<u>(\$3,735)</u>	<u>(\$4,500)</u>	<u>\$109</u>	<u>(\$8,126)</u>

- 1/ Consumed in current month (current month billed @ current month rate).
2/ Consumed in prior month (prior month unbilled billed @ prior month rate).
3/ True-up of prior month volumes (current month billed @ prior month rate).
4/ Includes annual volume true-up.

**GREAT PLAINS NATURAL GAS CO.
CALCULATION OF (OVER) UNDER RECOVERY OF GAS COSTS
APPLICABLE TO NORTH DAKOTA
INTERRUPTIBLE**

	1/	2/	3/	Total
<u>May 2021</u>				
Cost of Gas - Actual	\$3.05640	\$2.87920	\$3.05640	
Cost of Gas - Recovered	3.14330	2.77680	2.77680	
(Over) Under recovery per dk	(\$0.08690)	\$0.10240	\$0.27960	
dk billed	12,070	49,199	12,374	73,643
(Over) Under recovery	(\$1,049)	\$5,038	\$3,460	\$7,449
<u>June 2021</u>				
Cost of Gas - Actual	\$3.37710	\$3.05640	\$3.37710	
Cost of Gas - Recovered	3.29170	3.14330	3.14330	
(Over) Under recovery per dk	\$0.08540	(\$0.08690)	\$0.23380	
dk billed	14,756	38,443	17,580	70,779
(Over) Under recovery	\$1,260	(\$3,340)	\$4,110	\$2,030
<u>July 2021</u>				
Cost of Gas - Actual	\$3.86740	\$3.37710	\$3.86740	
Cost of Gas - Recovered	3.78650	3.29170	3.29170	
(Over) Under recovery per dk	\$0.08090	\$0.08540	\$0.57570	
dk billed	14,540	29,823	16,344	60,707
(Over) Under recovery	\$1,176	\$2,547	\$9,409	\$13,132
<u>August 2021</u>				
Cost of Gas - Actual	\$4.01730	\$3.86740	\$4.01730	
Cost of Gas - Recovered	4.41040	3.78650	3.78650	
(Over) Under recovery per dk	(\$0.39310)	\$0.08090	\$0.23080	
dk billed	12,110	27,968	18,207	58,285
(Over) Under recovery	(\$4,761)	\$2,263	\$4,202	\$1,704
<u>September 2021</u>				
Cost of Gas - Actual	\$4.62450	\$4.01730	\$4.62450	
Cost of Gas - Recovered	4.78770	4.41040	4.41040	
(Over) Under recovery per dk	(\$0.16320)	(\$0.39310)	\$0.21410	
dk billed	13,791	45,256	2,205	61,252
(Over) Under recovery	(\$2,251)	(\$90,934)	\$472	(\$92,713)
<u>October 2021</u>				
Cost of Gas - Actual	\$5.84280	\$4.62450	\$5.84280	
Cost of Gas - Recovered	5.86380	4.78770	4.78770	
(Over) Under recovery per dk	(\$0.02100)	(\$0.16320)	\$1.05510	
dk billed	13,608	46,583	3,247	63,438
(Over) Under recovery	(\$286)	(\$7,602)	\$3,426	(\$4,462)

1/ Consumed in current month (current month billed @ current month rate).

2/ Consumed in prior month (prior month unbilled billed @ prior month rate).

3/ True-up of prior month volumes (current month billed @ prior month rate).

4/ Includes annual volume true-up.

**GREAT PLAINS NATURAL GAS CO.
CALCULATION OF (OVER) UNDER RECOVERY OF GAS COSTS
APPLICABLE TO NORTH DAKOTA
INTERRUPTIBLE**

	<u>1/</u>	<u>2/</u>	<u>3/</u>	<u>Total</u>
<u>November 2021</u>				
Cost of Gas - Actual	\$6.34030	\$5.84280	\$6.34030	
Cost of Gas - Recovered	<u>6.53440</u>	<u>5.86380</u>	<u>5.86380</u>	
(Over) Under recovery per dk	(\$0.19410)	(\$0.02100)	\$0.47650	
dk billed	<u>8,121</u>	<u>67,889</u>	<u>(769)</u>	75,241
(Over) Under recovery	<u>(\$1,576)</u>	<u>(\$1,426)</u>	<u>(\$366)</u>	<u>(\$3,368)</u>
<u>December 2021</u>				
Cost of Gas - Actual	\$5.58190	\$6.34030	\$5.58190	
Cost of Gas - Recovered	<u>5.66050</u>	<u>6.53440</u>	<u>6.53440</u>	
(Over) Under recovery per dk	(\$0.07860)	(\$0.19410)	(\$0.95250)	
dk billed	<u>17,598</u>	<u>65,404</u>	<u>21,471</u>	104,473
(Over) Under recovery	<u>(\$1,383)</u>	<u>(\$12,695)</u>	<u>(\$20,451)</u>	<u>(\$34,529)</u>
<u>January 2022</u>				
Cost of Gas - Actual	\$6.47910	\$5.58190	\$6.47910	
Cost of Gas - Recovered	<u>7.21680</u>	<u>5.66050</u>	<u>5.66050</u>	
(Over) Under recovery per dk	(\$0.73770)	(\$0.07860)	\$0.81860	
dk billed	<u>18,861</u>	<u>85,560</u>	<u>1,475</u>	105,896
(Over) Under recovery	<u>(\$13,913)</u>	<u>(\$6,725)</u>	<u>\$1,207</u>	<u>(\$19,431)</u>
<u>February 2022</u>				
Cost of Gas - Actual	\$6.43550	\$6.47910	\$6.43550	
Cost of Gas - Recovered	<u>6.00480</u>	<u>7.21680</u>	<u>7.21680</u>	
(Over) Under recovery per dk	\$0.43070	(\$0.73770)	(\$0.78130)	
dk billed	<u>11,388</u>	<u>94,510</u>	<u>9,064</u>	114,962
(Over) Under recovery	<u>\$4,904</u>	<u>(\$69,720)</u>	<u>(\$7,082)</u>	<u>(\$71,898)</u>
<u>March 2022</u>				
Cost of Gas - Actual	\$4.44330	\$6.43550	\$4.44330	
Cost of Gas - Recovered	<u>4.80390</u>	<u>6.00480</u>	<u>6.00480</u>	
(Over) Under recovery per dk	(\$0.36060)	\$0.43070	(\$1.56150)	
dk billed	<u>26,548</u>	<u>89,112</u>	<u>7,222</u>	122,882
(Over) Under recovery	<u>(\$9,573)</u>	<u>\$38,381</u>	<u>(\$11,277)</u>	<u>\$17,531</u>
<u>April 2022</u>				
Cost of Gas - Actual	\$6.04730	\$4.44330	\$6.04730	
Cost of Gas - Recovered	<u>5.34500</u>	<u>4.80390</u>	<u>4.80390</u>	
(Over) Under recovery per dk	\$0.70230	(\$0.36060)	\$1.24340	
dk billed	<u>13,688</u>	<u>52,182</u>	<u>10,134</u>	76,004
(Over) Under recovery	<u>\$9,613</u>	<u>(\$18,817)</u>	<u>\$12,601</u>	<u>\$3,397</u>

- 1/ Consumed in current month (current month billed @ current month rate).
2/ Consumed in prior month (prior month unbilled billed @ prior month rate).
3/ True-up of prior month volumes (current month billed @ prior month rate).
4/ Includes annual volume true-up.

**GREAT PLAINS NATURAL GAS CO.
CALCULATION OF (OVER) UNDER RECOVERY OF GAS COSTS
APPLICABLE TO NORTH DAKOTA
INTERRUPTIBLE**

	<u>1/</u>	<u>2/</u>	<u>3/</u>	<u>Total</u>
<u>May 2022</u>				
Cost of Gas - Actual	\$7.26890	\$6.04730	\$7.26890	
Cost of Gas - Recovered	<u>7.26790</u>	<u>5.34500</u>	<u>5.34500</u>	
(Over) Under recovery per dk	\$0.00100	\$0.70230	\$1.92390	
dk billed	<u>12,068</u>	<u>51,215</u>	<u>13,220</u>	76,503
(Over) Under recovery	<u>\$12</u>	<u>\$35,968</u>	<u>\$25,435</u>	<u>\$61,415</u>
<u>June 2022</u>				
Cost of Gas - Actual	\$8.90770	\$7.26890	\$8.90770	
Cost of Gas - Recovered	<u>9.32400</u>	<u>7.26790</u>	<u>7.26790</u>	
(Over) Under recovery per dk	(\$0.41630)	\$0.00100	\$1.63980	
dk billed	<u>15,723</u>	<u>38,934</u>	<u>19,224</u>	73,881
(Over) Under recovery	<u>(\$6,545)</u>	<u>\$39</u>	<u>\$31,524</u>	<u>\$25,018</u>
<u>July 2022</u>				
Cost of Gas - Actual	\$6.23850	\$8.90770	\$6.23850	
Cost of Gas - Recovered	<u>6.38020</u>	<u>9.32400</u>	<u>9.32400</u>	
(Over) Under recovery per dk	(\$0.14170)	(\$0.41630)	(\$3.08550)	
dk billed	<u>12,166</u>	<u>28,337</u>	<u>16,924</u>	57,427
(Over) Under recovery	<u>(\$1,724)</u>	<u>(\$11,797)</u>	<u>(\$52,220)</u>	<u>(\$65,741)</u>
<u>August 2022</u>				
Cost of Gas - Actual	\$8.61440	\$6.23850	\$8.61440	
Cost of Gas - Recovered	<u>8.78210</u>	<u>6.38020</u>	<u>6.38020</u>	
(Over) Under recovery per dk	(\$0.16770)	(\$0.14170)	\$2.23420	
dk billed	<u>16,441</u>	<u>33,776</u>	<u>15,982</u>	66,199
(Over) Under recovery	<u>(\$2,757)</u>	<u>(\$4,786)</u>	<u>\$35,708</u>	<u>\$28,165</u>

- 1/ Consumed in current month (current month billed @ current month rate).
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3/ True-up of prior month volumes (current month billed @ prior month rate).
4/ Includes annual volume true-up.