



A Division of Montana-Dakota Utilities Co.

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September 29, 2023

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

Re: Cost of Gas Adjustment (COG)
October 2023
Case No. PU-23-009

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 (202nd Revised Sheet No. 1.1) showing the proposed natural gas rates and the October 2023 cost of gas. The net effect of this filing is an increase of \$0.2470 per dk for firm customers and a decrease of \$0.0323 for interruptible customers.

Attachment B shows the calculations supporting the gas costs for October 2023, including the calculation of the commodity cost of gas. The commodity cost of gas has decreased \$0.0949 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, 2023 through September 30, 2023. The total GCR is an increase of \$0.3419 per dk for firm customers and an increase of \$0.0626 per dk for interruptible customers.

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

202nd Revised Sheet No. 1.1

Canceling 201st 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	\$3.1096	\$4.0316
Interruptible Gas Service - General Rate 71	3	\$180.00 per month	(Maximum) \$0.6690 per dk	\$2.5043	(Maximum) \$3.1733
Transportation Service Rate 80	5	\$180.00 per month	(Maximum) \$0.6690 per dk		(Maximum) \$0.6690

Date Filed: September 29, 2023

Effective Date: Service rendered on and after October 1, 2023

Issued By: Travis R. Jacobson
 Director - Regulatory Affairs

Case No.: PU-20-379

**GREAT PLAINS NATURAL GAS CO.
WAHPETON
PURCHASED GAS COST ADJUSTMENT
OCTOBER 2023**

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	\$0.1151
FT-A - Zone 1-1 (Cat. 1)	5,000	3.8060	12	228,360	0.0719
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	0.0719
FT-A - Zone 1-1 (Cat. 3)	3,291	3.8060	12	150,307	0.0473
FT-A - Capacity Release	(4,291)	13.5939	5	(291,657)	(0.0919)
 <u>Northern Natural Firm</u>					
TFX - Winter/Seasonal	15,000	25.7990	5	1,934,925	0.6094
TFX - Summer	13,000	9.6760	7	880,516	0.2773
TF12 Base - Summer	4,128	9.6760	7	279,598	0.0881
TF12 Base - Winter	4,128	17.4170	5	359,487	0.1132
TF12 Variable - Summer	3,407	9.6760	7	230,763	0.0727
TF12 Variable - Winter	3,407	23.6090	5	402,179	0.1267
TF5	3,410	25.7990	5	439,873	0.1385
TFX - Summer	3,000	9.6760	7	203,196	0.0640
TFX - Winter	8,200	25.7990	5	1,057,759	0.3331
FDD-1 Reservation	4,640	3.2345	12	180,097	0.0567
Interruptible Demand Credit 4/				(862,090)	(0.2715)
Total Demand Charges				<u>\$5,825,109</u>	<u>\$1.8345</u>
Estimated Weighted Average Commodity Cost	3,175,097 2/	\$2.4269		7,705,643	2.4269
Gas Cost Reconciliation Adjustment					(1.1518)
Total Current Firm Gas Cost				<u><u>\$13,530,752</u></u>	<u><u>\$3.1096</u></u>
 <u>Interruptible</u>					
Demand Charge 3/					\$0.4803
Estimated Weighted Average Commodity Cost					2.4269
Gas Cost Reconciliation Adjustment					(0.4029)
Total Current Interruptible Gas Cost					<u><u>\$2.5043</u></u>
 1/ Effective October 1, 2023					
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-22-310)		38,145			
Dk @ 100% Load Factor (Firm capacity x 365 days)				13,922,925	
Total Demand Charges (Excl. Interruptible Demand Credit)				<u>\$6,687,199</u>	
Interruptible Demand Charge per dk @ 100% LF					\$0.4803
 4/ Interruptible Demand Credit:					
Interruptible Demand Charge per dk @ 100% LF		\$0.4803			
Total annual interruptible volumes				<u>1,794,900</u>	
Total Interruptible Demand Credit				<u>(\$862,090)</u>	
Total annual firm volumes				<u>3,175,097</u>	
Interruptible Demand Credit per dk - Firm					<u>(\$0.2715)</u>

**GREAT PLAINS NATURAL GAS CO.
WAHPETON
ESTIMATED GAS COSTS
OCTOBER 2023**

	<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		\$2.3010				
Transportation - Northern Natural		0.0274	\$0.0274		\$0.0208	
Transportation - Viking						\$0.0150
Withdrawal Fee			0.0232			
Fuel Transportation - Northern Natural 2/		0.0214				
Fuel Transportation - Viking 2/						0.0000
SMS Demand 3/		0.0257	0.0257			
LMS Demand 3/		0.0060	0.0060			
FDD-1 Capacity 4/				\$0.0362		
Total Cost Per Dk		\$2.3815	\$0.0823	\$0.0362	\$0.0208	\$0.0150
Total Estimated Dk Purchases 5/	370,543	370,543	0			214,985
Estimated Cost	\$899,285	\$882,448	\$0	\$13,414	\$198	\$3,225
Average Cost Per Dk		<u><u>\$2.4269</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	0.92%	0.00%
Total	0.92%	0.00%

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	\$4.2550	12	\$127,650	\$0.0257
LMS Demand	2,500	1.0000	12	30,000	0.0060

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	\$0.6731	5	\$180,085	\$0.0362

**GREAT PLAINS NATURAL GAS CO.
WAHPETON
ESTIMATED GAS COSTS
OCTOBER 2023**

5/ Dk requirements for October	Required Monthly	Days in Month	Required Daily	Percent Supply
Estimated Dk Purchases	408,354	31	13,173	110%
Storage Gas	(37,811)	31	(1,220)	-10%
Total Dk Requirements	370,543		11,953	100%

Transportation Fuel

	NNG	Viking
Dk	370,543	214,985
Adjusted for Fuel Dk	373,984	214,985
Fuel Costs	\$7,918	\$0
Fuel Cost Per Dk	\$0.0214	\$0.0000

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	0.00%
Zone 1-2	\$0.0136	0.00%
Zone 2-2	\$0.0136	0.00%
Minimum Rate	\$0.0136	
IT and AOT		
Zone 1-1	\$0.1422	0.00%
Zone 1-2	\$0.1750	0.00%
Zone 2-2	\$0.0995	0.00%
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		\$0.0390	

- 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 DEMARCATIION
	TF12 Base	TF12 Variable	TF5	TF6
Base Tariff Rates 1/				
Summer (Apr-Oct)	9.676	9.676	-0-	7.485
Winter (Nov-Mar)	<u>17.417</u>	<u>23.609</u>	<u>25.799</u>	<u>13.476</u>

COMMODITY RATES 2/ 3/					
TF12 Base, TF12 Var., TF5 & TFF	Market Area 4/	Field Mileage Rate per 100 miles	Out-of Balance	Carlton Surcharge 5/	
Receipt Point	Delivery Point	Commodity	Commodity	Commodity	Maximum Minimum
Market	Market	0.0260		0.0260	0.0175 0.0000
Field	Market	0.0260	0.0103		0.0175 0.0000
Market	Field		0.0103		
Field	Field		0.0103	0.0217	

- 1/ The minimum reservation rate is equal to zero.
- 2/ 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>.
- 3/ The firm transportation services commodity rates are not discountable. The commodity rate is the maximum and minimum commodity rate. The applicable MIDs commodity rate will be in addition to the TF reservation rates. The MIDs rates shown in Sheet Nos. 59-60A represent the throughput commodity rates for any transaction involving MIDs.
- 4/ 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.
- 5/ Applicable to Market Area Shippers as provided for in the Carlton Settlement filed in Docket No. RP96-347 dated October 28, 1996.

RATE SCHEDULE TFX

RESERVATION RATES	MARKET-TO-MARKET		FIELD-TO-FIELD	
	Apr-Oct	Nov-Mar	Apr-Oct	Nov-Mar
Base Tariff Rates 1/	<u>\$9.676</u>	<u>\$25.799</u>	<u>\$7.485</u>	<u>\$13.476</u>

COMMODITY RATES 2/ 3/

TFX		Market Area 4/	Field Mileage Rate per 100 miles	Out-of-Balance	Carlton Surcharge 5/	
Receipt Point	Delivery Point	Commodity	Commodity	Commodity	Maximum	Minimum
Market	Market	0.0260		0.0260	0.0175	0.0000
Field	Market	0.0260	0.0103		0.0175	0.0000
Market	Field		0.0103			
Field	Field		0.0103	0.0217		

- 1/ The minimum reservation rate is equal to zero.
- 2/ 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>.
- 3/ The firm transportation services commodity rates are not discountable. The commodity rate is the maximum and minimum commodity rate. The applicable MIDs commodity rate will be in addition to the TFX reservation rates. The MIDs rates shown in Sheet Nos. 59-60A represent the throughput commodity rates for any transaction involving MIDs.
- 4/ 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.
- 5/ Applicable to Market Area Shippers as provided for in the Carlton Settlement filed in Docket No. RP96-347 dated October 28, 1996.

RATE SCHEDULES TF, TFX, GST, TI, & FDD

Fuel Percentages/Electric Compression Rates

	<u>Percentages</u>
FUEL PERCENTAGES:	1/ 2/
Market Area (including Out-of-Balance)	0.95%
Field Area	3/ 4/ 5/ 6/
UNACCOUNTED FOR PERCENTAGE (including Out-of-Balance)	-0.03% 2/ 5/ 7/
FDD STORAGE FUEL	1.94%
FDD URR PERCENTAGE	-0.13% 1/

	<u>Electric Compression</u>
COMMODITY RATES:	1/ 2/
Market Area	\$0.0006
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/ 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.

3/ Fuel percentages shall be determined by MIDs for the Field Area shown in Sheet Nos. 61-62.

4/ 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 that would be 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.

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/ The UAF percentage utilizes the most recent twelve-month period ending December 31, 2022. 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.

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	3.2345	1/
Maximum Capacity Charge	0.6731	1/
Injection Charge - Firm	0.0232	
Withdrawal Charge - Firm	0.0232	
Annual Rollover Charge	0.6731	1/

Rate Schedule PDD

Maximum Capacity Charge	0.6731	1/
Maximum Monthly Inventory Charge	0.1624	1/
Injection Charge	0.0232	
Withdrawal Charge	0.0232	
Annual Rollover Charge	0.6731	1/

Rate Schedule IDD

Maximum Monthly Inventory Charge	0.1624	1/
Injection Charge	0.0232	
Withdrawal Charge	0.0232	
Annual Rollover Charge	0.6731	1/

Rate Schedule ILD

Maximum Charge	11.7500	
Minimum Charge	0.5044	
Performance Obligation Charge	2.0000	

Rate Schedule SMS

Reservation Charge	4.2550	
Commodity Rate	0.0208	

1/ Minimum Rate is zero.

**Great Plains Natural Gas Co.
Market Conditions for Wahpeton's Natural Gas
October 2023**

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 \$0.09/MMBTU from the previous month's index of \$2.30/MMBTU. The EIA reported nationwide storage levels as of August 18, 2023 at 6.0 percent above the five-year average and 13.4 percent above 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, 2023 THROUGH SEPTEMBER 30, 2024**

(Over)/under recovered gas costs @ August 31, 2023: (\$365,429)

Less projected recovery from rates already established:

	Volume	Rate	Amount
September	6,600	(\$1.4937)	(\$9,858)

Additional recovery required (\$355,571)

Projected sales volumes (dk)

October 2023		20,400	
November		35,800	
December		51,800	
January 2024		58,400	
February		50,700	
March		38,800	
April		22,300	
May		8,700	
June		5,000	
July		5,100	
August		5,100	
September		6,600	
Total			308,700

Total gas cost reconciliation adjustment
to be effective October 1, 2023 through September 30, 2024. (\$1.1518)

**GREAT PLAINS NATURAL GAS CO.
GAS COST RECONCILIATION ADJUSTMENT
APPLICABLE TO NORTH DAKOTA
INTERRUPTIBLE
TO BE EFFECTIVE OCTOBER 1, 2023 THROUGH SEPTEMBER 30, 2024**

(Over)/under recovered gas costs @ August 31, 2023: (\$370,344)

Less projected recovery from rates already established:

	Volume	Rate	Amount
September	56,000	(\$0.4655)	(\$26,068)
Additional recovery required			(\$344,276)

Projected sales volumes (dk)

October 2023		71,200	
November		79,800	
December		96,300	
January 2024		103,400	
February		94,400	
March		78,200	
April		69,200	
May		62,500	
June		53,900	
July		45,500	
August		44,000	
September		56,000	
Total			854,400

Total gas cost reconciliation adjustment
to be effective October 1, 2023 through September 30, 2024. (\$0.4029)

**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/	Total Net Additions	Actual Dk Sales	Adjustment Per Dk	Total Adjustment Amount	Net Change	Cumulative Balance
Balance @ August 31, 2022									<u>(\$441,536)</u>
September 2022	(\$15,333)		(\$1,174)	(\$16,507)	5,160	\$0.0000	\$0	(\$16,507)	(458,043)
October	(24,137)		(1,443)	(25,580)	8,124	(1.4937)	(\$5,017) 2/	(20,563)	(478,606)
November	(43,278)		(1,676)	(44,954)	18,568	(1.4937)	(27,735)	(17,219)	(495,825)
December	(36,444)		(1,771)	(38,215)	45,197	(1.4937)	(67,511)	29,296	(466,529)
January 2023	(79,708)		(1,776)	(81,484)	58,422	(1.4937)	(87,265)	5,781	(460,748)
February	(67,885)		(1,792)	(69,677)	49,618	(1.4937)	(74,114)	4,437	(456,311)
March	(63,888)		(1,784)	(65,672)	58,520	(1.4937)	(87,411)	21,739	(434,572)
April	(38,145)		(1,777)	(39,922)	40,119	(1.4937)	(59,926)	20,004	(414,568)
May	546		(1,765)	(1,219)	24,990	(1.4937)	(37,328)	36,109	(378,459)
June	30,607		(1,610)	28,997	8,280	(1.4937)	(12,368)	41,365	(337,094)
July	(61,061)		(1,450)	(62,511)	5,242	(1.4937)	(7,830)	(54,681)	(391,775)
August	19,199		(1,699)	17,500	5,922	(1.4937)	(8,846)	26,346	(365,429)
Total	<u>(\$379,527)</u>	<u>\$0</u>	<u>(\$19,717)</u>	<u>(\$399,244)</u>	<u>328,162</u>		<u>(\$475,351)</u>	<u>\$76,107</u>	
Balance @ August 31, 2023									<u>(\$365,429)</u>

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

2/ Reflects 4,765.5 dk @ \$0.0000 and 3,358.6 dk @ (\$1.4937).

**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/	Total Net Additions	Actual Dk Sales	Adjustment Per Dk	Total Adjustment Amount	Net Change	Cumulative Balance
Balance @ August 31, 2022									<u>(\$366,462)</u>
September 2022	(\$44,423)		(\$974)	(\$45,397)	47,088	\$0.0000	\$0	(\$45,397)	(411,859)
October	(50,334)		(1,295)	(51,629)	19,585	(0.4655)	(\$2,052) 2/	(49,577)	(461,436)
November	(84,194)		(1,612)	(85,806)	28,552	(0.4655)	(13,291)	(72,515)	(533,951)
December	(35,353)		(1,902)	(37,255)	74,387	(0.4655)	(34,627)	(2,628)	(536,579)
January 2023	(39,967)		(2,035)	(42,002)	114,094	(0.4655)	(53,111)	11,109	(525,470)
February	(122,438)		(2,034)	(124,472)	101,584	(0.4655)	(47,287)	(77,185)	(602,655)
March	26,455		(2,345)	24,110	101,511	(0.4655)	(47,253)	71,363	(531,292)
April	5,506		(2,159)	3,347	73,838	(0.4655)	(34,372)	37,719	(493,573)
May	(5,513)		(2,085)	(7,598)	72,834	(0.4655)	(33,904)	26,306	(467,267)
June	3,310		(1,971)	1,339	41,346	(0.4655)	(19,247)	20,586	(446,681)
July	64,772		(1,907)	62,865	20,031	(0.4655)	(9,324)	72,189	(374,492)
August	(2,625)		(1,598)	(4,223)	17,983	(0.4655)	(8,371)	4,148	(370,344)
Total	<u>(\$284,804)</u>	<u>\$0</u>	<u>(\$21,917)</u>	<u>(\$306,721)</u>	<u>712,833</u>		<u>(\$302,839)</u>	<u>(\$3,882)</u>	<u>(\$370,344)</u>
Balance @ August 31, 2023									<u>(\$370,344)</u>

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

2/ Reflects 15,176.5 dk @ \$0 and 4,408.5 dk @ (\$0.4655).

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

	1/	2/	3/	Total
<u>September 2022</u>				
Cost of Gas - Actual	\$6.59720	\$7.95050	\$6.59720	
Cost of Gas - Recovered	10.25370	9.90390	9.90390	
(Over) Under recovery per dk	(\$3.65650)	(\$1.95340)	(\$3.30670)	
dk billed	1,869	1,761	1,530	5,160
(Over) Under recovery	(\$6,835)	(\$3,439)	(\$5,059)	(\$15,333)
<u>October 2022</u>				
Cost of Gas - Actual	\$5.93220	\$6.59720	\$5.93220	
Cost of Gas - Recovered	7.01720	10.25370	10.25370	
(Over) Under recovery per dk	(\$1.08500)	(\$3.65650)	(\$4.32150)	
dk billed	3,359	152	4,613	8,124
(Over) Under recovery	(\$3,644)	(\$557)	(\$19,936)	(\$24,137)
<u>November 2022</u>				
Cost of Gas - Actual	\$6.54270	\$5.93220	\$6.54270	
Cost of Gas - Recovered	7.01720	7.01720	7.01720	
(Over) Under recovery per dk	(\$0.47450)	(\$1.08500)	(\$0.47450)	
dk billed	0	11,631	6,937	18,568
(Over) Under recovery	\$0	(\$39,986)	(\$3,292)	(\$43,278)
<u>December 2022</u>				
Cost of Gas - Actual	\$7.62070	\$6.54270	\$7.62070	
Cost of Gas - Recovered	8.80180	7.01720	7.01720	
(Over) Under recovery per dk	(\$1.18110)	(\$0.47450)	\$0.60350	
dk billed	13,777	36,303	(4,883)	45,197
(Over) Under recovery	(\$16,272)	(\$17,226)	(\$2,946)	(\$36,444)
<u>January 2023</u>				
Cost of Gas - Actual	\$7.98100	\$7.62070	\$7.98100	
Cost of Gas - Recovered	9.46000	8.80180	8.80180	
(Over) Under recovery per dk	(\$1.47900)	(\$1.18110)	(\$0.82080)	
dk billed	18,273	54,753	(14,604)	58,422
(Over) Under recovery	(\$27,026)	(\$64,669)	\$11,987	(\$79,708)
<u>February 2023</u>				
Cost of Gas - Actual	\$7.51440	\$7.98100	\$7.51440	
Cost of Gas - Recovered	8.99740	9.46000	9.46000	
(Over) Under recovery per dk	(\$1.48300)	(\$1.47900)	(\$1.94560)	
dk billed	12,646	48,866	(11,894)	49,618
(Over) Under recovery	(\$18,754)	(\$72,273)	\$23,142	(\$67,885)

- 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).

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

	1/	2/	3/	Total
<u>March 2023</u>				
Cost of Gas - Actual	\$4.34060	\$7.51440	\$4.34060	
Cost of Gas - Recovered	5.27460	8.99740	8.99740	
(Over) Under recovery per dk	(\$0.93400)	(\$1.48300)	(\$4.65680)	
dk billed	19,129	43,296	(3,905)	58,520
(Over) Under recovery	(\$17,866)	(\$64,207)	\$18,185	(\$63,888)
<u>April 2023</u>				
Cost of Gas - Actual	\$2.75300	\$4.34060	\$2.75300	
Cost of Gas - Recovered	5.27460	5.27460	5.27460	
(Over) Under recovery per dk	(\$2.52160)	(\$0.93400)	(\$2.52160)	
dk billed	0	39,694	425	40,119
(Over) Under recovery	\$0	(\$37,074)	(\$1,071)	(\$38,145)
<u>May 2023</u>				
Cost of Gas - Actual	(\$3.01920)	\$2.75300	(\$3.01920)	
Cost of Gas - Recovered	4.67850	5.27460	5.27460	
(Over) Under recovery per dk	(\$7.69770)	(\$2.52160)	(\$8.29380)	
dk billed	5,865	35,396	(16,271)	24,990
(Over) Under recovery	(\$45,150)	(\$89,255)	\$134,951	\$546
<u>June 2023</u>				
Cost of Gas - Actual	(\$19.75540)	(\$3.01920)	(\$19.75540)	
Cost of Gas - Recovered	3.95540	4.67850	4.67850	
(Over) Under recovery per dk	(\$23.71080)	(\$7.69770)	(\$24.43390)	
dk billed	2,271	13,819	(7,810)	8,280
(Over) Under recovery	(\$53,847)	(\$106,375)	\$190,829	\$30,607
<u>July 2023</u>				
Cost of Gas - Actual	\$7.65340	(\$19.75540)	\$7.65340	
Cost of Gas - Recovered	4.35630	3.95540	3.95540	
(Over) Under recovery per dk	\$3.29710	(\$23.71080)	\$3.69800	
dk billed	1,750	2,910	582	5,242
(Over) Under recovery	\$5,770	(\$68,987)	\$2,156	(\$61,061)
<u>August 2023</u>				
Cost of Gas - Actual	\$7.53990	\$7.65340	\$7.53990	
Cost of Gas - Recovered	4.35630	4.35630	4.35630	
(Over) Under recovery per dk	\$3.18360	\$3.29710	\$3.18360	
dk billed	0	3,045	2,877	5,922
(Over) Under recovery	\$0	\$10,039	\$9,160	\$19,199

- 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).

**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>September 2022</u>				
Cost of Gas - Actual	\$7.32130	\$8.61440	\$7.32130	
Cost of Gas - Recovered	9.13190	8.78210	8.78210	
(Over) Under recovery per dk	<u>(\$1.81060)</u>	<u>(\$0.16770)</u>	<u>(\$1.46080)</u>	
dk billed	11,396	21,923	13,769	47,088
(Over) Under recovery	<u>(\$20,633)</u>	<u>(\$3,676)</u>	<u>(\$20,114)</u>	<u>(\$44,423)</u>
<u>October 2022</u>				
Cost of Gas - Actual	\$5.71970	\$7.32130	\$5.71970	
Cost of Gas - Recovered	5.89540	9.13190	9.13190	
(Over) Under recovery per dk	<u>(\$0.17570)</u>	<u>(\$1.81060)</u>	<u>(\$3.41220)</u>	
dk billed	4,409	1,390	13,786	19,585
(Over) Under recovery	<u>(\$774)</u>	<u>(\$2,516)</u>	<u>(\$47,044)</u>	<u>(\$50,334)</u>
<u>November 2022</u>				
Cost of Gas - Actual	\$5.09430	\$5.71970	\$5.09430	
Cost of Gas - Recovered	5.89540	5.89540	5.89540	
(Over) Under recovery per dk	<u>(\$0.80110)</u>	<u>(\$0.17570)</u>	<u>(\$0.80110)</u>	
dk billed	0	28,039	513	28,552
(Over) Under recovery	<u>\$0</u>	<u>(\$83,783)</u>	<u>(\$411)</u>	<u>(\$84,194)</u>
<u>December 2022</u>				
Cost of Gas - Actual	\$7.60120	\$5.09430	\$7.60120	
Cost of Gas - Recovered	7.72660	5.89540	5.89540	
(Over) Under recovery per dk	<u>(\$0.12540)</u>	<u>(\$0.80110)</u>	<u>\$1.70580</u>	
dk billed	12,179	55,822	6,386	74,387
(Over) Under recovery	<u>(\$1,527)</u>	<u>(\$44,719)</u>	<u>\$10,893</u>	<u>(\$35,353)</u>
<u>January 2023</u>				
Cost of Gas - Actual	\$7.06010	\$7.60120	\$7.06010	
Cost of Gas - Recovered	8.38480	7.72660	7.72660	
(Over) Under recovery per dk	<u>(\$1.32470)</u>	<u>(\$0.12540)</u>	<u>(\$0.66650)</u>	
dk billed	19,271	90,114	4,709	114,094
(Over) Under recovery	<u>(\$25,528)</u>	<u>(\$11,300)</u>	<u>(\$3,139)</u>	<u>(\$39,967)</u>
<u>February 2023</u>				
Cost of Gas - Actual	\$7.04030	\$7.06010	\$7.04030	
Cost of Gas - Recovered	7.09940	8.38480	8.38480	
(Over) Under recovery per dk	<u>(\$0.05910)</u>	<u>(\$1.32470)</u>	<u>(\$1.34450)</u>	
dk billed	9,532	95,431	(3,379)	101,584
(Over) Under recovery	<u>(\$564)</u>	<u>(\$126,417)</u>	<u>\$4,543</u>	<u>(\$122,438)</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).

**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>March 2023</u>				
Cost of Gas - Actual	\$3.46410	\$7.04030	\$3.46410	
Cost of Gas - Recovered	3.37660	7.09940	7.09940	
(Over) Under recovery per dk	<u>\$0.08750</u>	<u>(\$0.05910)</u>	<u>(\$3.63530)</u>	
dk billed	21,081	88,641	(8,211)	101,511
(Over) Under recovery	<u>\$1,845</u>	<u>(\$5,239)</u>	<u>\$29,849</u>	<u>\$26,455</u>
<u>April 2023</u>				
Cost of Gas - Actual	\$3.27240	\$3.46410	\$3.27240	
Cost of Gas - Recovered	3.37660	3.37660	3.37660	
(Over) Under recovery per dk	<u>(\$0.10420)</u>	<u>\$0.08750</u>	<u>(\$0.10420)</u>	
dk billed	0	68,855	4,983	73,838
(Over) Under recovery	<u>\$0</u>	<u>\$6,025</u>	<u>(\$519)</u>	<u>\$5,506</u>
<u>May 2023</u>				
Cost of Gas - Actual	\$2.72610	\$3.27240	\$2.72610	
Cost of Gas - Recovered	2.80270	3.37660	3.37660	
(Over) Under recovery per dk	<u>(\$0.07660)</u>	<u>(\$0.10420)</u>	<u>(\$0.65050)</u>	
dk billed	10,937	65,146	(3,249)	72,834
(Over) Under recovery	<u>(\$838)</u>	<u>(\$6,788)</u>	<u>\$2,113</u>	<u>(\$5,513)</u>
<u>June 2023</u>				
Cost of Gas - Actual	\$7.09370	\$2.72610	\$7.09370	
Cost of Gas - Recovered	2.60120	2.80270	2.80270	
(Over) Under recovery per dk	<u>\$4.49250</u>	<u>(\$0.07660)</u>	<u>\$4.29100</u>	
dk billed	8,889	40,274	(7,817)	41,346
(Over) Under recovery	<u>\$39,936</u>	<u>(\$3,085)</u>	<u>(\$33,541)</u>	<u>\$3,310</u>
<u>July 2023</u>				
Cost of Gas - Actual	\$2.83800	\$7.09370	\$2.83800	
Cost of Gas - Recovered	3.00210	2.60120	2.60120	
(Over) Under recovery per dk	<u>(\$0.16410)</u>	<u>\$4.49250</u>	<u>\$0.23680</u>	
dk billed	4,503	14,530	998	20,031
(Over) Under recovery	<u>(\$739)</u>	<u>\$65,275</u>	<u>\$236</u>	<u>\$64,772</u>
<u>August 2023</u>				
Cost of Gas - Actual	\$2.88940	\$2.83800	\$2.88940	
Cost of Gas - Recovered	3.00210	3.00210	3.00210	
(Over) Under recovery per dk	<u>(\$0.11270)</u>	<u>(\$0.16410)</u>	<u>(\$0.11270)</u>	
dk billed	0	11,633	6,350	17,983
(Over) Under recovery	<u>\$0</u>	<u>(\$1,909)</u>	<u>(\$716)</u>	<u>(\$2,625)</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).