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May 31, 2019

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

Re: Cost of Gas Adjustment (COG)  
June 2019  
Case No. PU-19-010

Great Plains Natural Gas Co. (Great Plains), a Division of Montana-Dakota Utilities Co., herewith submits an original and two (2) copies of a Cost of Gas Adjustment (COG) pursuant to North Dakota Century Code 49-05-05.

Attachment A is the Rate Summary Sheet (159<sup>th</sup> Revised Sheet No. 1.1) showing the proposed natural gas rates and the June 2019 cost of gas. The net effect of this filing is a decrease of \$1.7956 per dk for residential and firm general customers and a decrease of \$0.0510 per dk for interruptible customers.

Attachment B shows the calculations supporting the gas costs for June 2019, including the calculation of the commodity cost of gas. The commodity cost of gas has increased \$0.1177 per dk for all customers since the last COG filing due to an increase in the market price of gas. The inclusion of a firm customer demand cost credit based on estimated demand costs to be paid by interruptible customers, which was implemented on February 1, 2019, results in a decrease of \$0.8754 per dk to the demand costs for firm customers. This credit to firm customers will likely help minimize the accumulated deferred balances in the future

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 June 1, 2019 through May 31, 2020. The total GCR is (\$0.4743) per dk for residential and general service customers and \$0.0234 per dk for interruptible customers. The effect of this change is a decrease of \$1.0379 for residential and general service customers and a decrease of \$0.1687 for interruptible customers.

Great Plains submitted a check for \$600.00 on December 26, 2018 pursuant to the requirements of Section 49-05-05 of the North Dakota Century Code. This payment covers the \$50.00 filing fee associated with the monthly COG filings

Great Plains respectfully requests this filing be accepted as being in full compliance with the filing requirements of this Commission.

Please acknowledge receipt by stamping or initialing the duplicate copy of this letter attached hereto and returning the same in the enclosed self-addressed, stamped envelope.

If you have questions regarding this filing, please contact me at (701) 222-7856 or [tamie.aberle@mdu.com](mailto:tamie.aberle@mdu.com)

Sincerely,



Tamie A. Aberle  
Director of Regulatory Affairs

Attachments

**Attachment A**

**Attachment A**



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

**State of North Dakota  
Gas Rate Schedule**

NDPSC Volume 2

159<sup>th</sup> Revised Sheet No. 1.1

**RATE SUMMARY SHEET**

Canceling 158<sup>th</sup> Revised Sheet No.1.1

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	\$3.50 per month	First 10 dk \$1.0720 Over 10 dk 0.8220	\$2.6451	\$3.7171 3.4671
Interruptible Gas Service - General Rate 71	3	\$3.50 per month	(Maximum) First 400 dk \$1.0160 Next 2,600 dk 0.7675 Over 3,000 dk 0.6140	\$2.9057	(Maximum) \$3.9217 3.6732 3.5197
Transportation Service Rate 80	5	\$3.50 per month	(Maximum) First 400 dk \$1.0160 Next 2,600 dk 0.7675 Over 3,000 dk 0.6140		(Maximum) \$1.0160 0.7675 0.6140

Date Filed: May 31, 2019

Effective Date: Service rendered on and after June 1, 2019

Issued By: Tamie A. Aberle  
Director - Regulatory Affairs

Case No.: PU-19-010

**GREAT PLAINS NATURAL GAS CO.  
WAHPETON  
PURCHASED GAS COST ADJUSTMENT  
JUNE 2019**

	Billing Determinants	Rate 1/	Demand Months	Amount	Amount Per Dk
<u>Viking Firm</u>					
FT-A - Zone 1-1 (Cat. 3)	8,000	\$4.3706	12	\$419,578	\$0.1373
FT-A - Zone 1-1 (Cat. 1)	5,000	4.3706	12	262,236	0.0858
FT-A Seasonal (Cat. 3)	2,000	4.3706	5	43,706	0.0143
FT-A - Zone 1-1 (Cat. 3)	5,000	4.3706	12	262,236	0.0858
FT-A - Capacity Release	(2,600)	2.1300	5	(27,690)	(0.0091)
FT-A - Capacity Release	(5,000)	0.9100	7	(31,850)	(0.0104)
<u>Northern Natural Firm</u>					
TFX - Winter/Seasonal	15,000	15.1530	5	1,136,475	\$0.3719
TFX - Summer	13,000	5.6830	7	517,153	0.1692
TF12 Base - Summer	3,819	5.6830	7	151,924	0.0497
TF12 Base - Winter	3,819	10.2300	5	195,342	0.0639
TF12 Variable - Summer	3,716	5.6830	7	147,826	0.0484
TF12 Variable - Winter	3,716	13.8660	5	257,630	0.0843
TF5	3,410	15.1530	5	258,359	0.0845
TFX - Summer	2,000	5.6830	7	79,562	0.0260
TFX - Winter	7,200	15.1530	5	545,508	0.1785
TFX Negotiated Contract - Winter	1,000	26.8918	5	134,459	0.0440
FDD-1 Reservation	4,640	1.7140	12	95,436	0.0312
Interruptible Demand Credit 4/				(249,671)	(0.8754)
Total Demand Charges				<u>\$4,198,219</u>	<u>\$0.5799</u>
Estimated Weighted Average Commodity Cost	3,056,257 2/	2.5395		7,761,365	2.5395
Gas Cost Reconciliation Adjustment					(0.4743)
Total Current Firm Gas Cost				<u>\$11,959,584</u>	<u>\$2.6451</u>
Base Cost of Gas					5.2370
Accumulated Adjustment					<u>(\$2.5919)</u>
<u>Interruptible</u>					
Demand Charge 3/					\$0.3428
Estimated Weighted Average Commodity Cost					2.5395
Gas Cost Reconciliation Adjustment					0.0234
Total Current Interruptible Gas Cost					<u>\$2.9057</u>
Base Cost of Gas					5.5136
Accumulated Adjustment					<u>(\$2.6079)</u>
1/ Effective June 1, 2019					
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-18-454)		35,545			
Dk @ 100% Load Factor (Firm capacity x 365 days)		12,973,925			
Total Demand Charges (Excl. Interruptible Demand Credit)		<u>4,447,890</u>			
Interruptible Demand Charge per dk @ 100% LF		\$0.3428			
4/ Interruptible Demand Credit:					
Interruptible Demand Charge per dk @ 100% LF		\$0.3428			
Annual demand volume - ND Interruptible Customers only		728,329			
Total Interruptible Demand Credit		<u>(\$249,671)</u>			
Annual demand volume - ND Firm Customers only		<u>285,212</u>			
Interruptible Demand Credit per dk - Firm		(\$0.8754)			

**GREAT PLAINS NATURAL GAS CO.  
WAHPETON  
ESTIMATED GAS COSTS  
JUNE 2019**

	<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		\$2.4057				
Transportation - Northern Natural		0.0379	\$0.0379		\$0.0208	
Transportation - Viking						0.0129
Withdrawal Fee			0.0149			
Fuel Transportation - Northern Natural 2/		0.0334				
Fuel Transportation - Viking 2/						0.0194
SMS Demand 3/		0.0136	0.0136			
LMS Demand 3/		0.0062	0.0062			
FDD-1 Capacity 4/				\$0.0198		
<b>Total Cost Per Dk</b>		<b>\$2.4968</b>	<b>\$0.0726</b>	<b>\$0.0198</b>	<b>\$0.0208</b>	<b>\$0.0323</b>
Total Estimated Dk Purchases 5/	130,590	130,590	0			86,430
Estimated Cost	\$331,633	\$326,057	\$0	\$2,586	\$198	\$2,792
Average Cost Per Dk		<u><u>\$2.5395</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	1.37%	0.80%
Total	1.37%	0.80%

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	\$2.1800	12	\$65,400	\$0.0136
LMS Demand	2,500	\$1.0000	12	\$30,000	\$0.0062

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	\$0.3567	5	\$95,433	\$0.0198

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

Attachment B  
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5/ Dk requirements for June

	<u>Required Monthly</u>	<u>Days in Month</u>	<u>Required Daily</u>	<u>Percent Supply</u>
Estimated Dk Purchases	183,090	30	6,103	140%
Storage Gas	(52,500)	30	(1,750)	-40%
Total Dk Requirements	130,590		4,353	100%

Transportation Fuel

	<u>NNG</u>	<u>Viking</u>
Dk	130,590	86,430
Adjusted for Fuel Dk	132,404	87,127

Fuel Costs	\$4,364	\$1,677
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Fuel Cost Per Dk	\$0.0334	\$0.0194
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Storage Fuel - NNG

Dk	0
Adjusted for Fuel Dk	0

Fuel Costs	\$0
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Fuel Cost Per Dk	\$0.0000
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STATEMENT OF RATES  
 (Rates Per Dekatherm)

Attachment B  
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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.

Rate Schedule	Base Tariff Rate	Fuel and Loss Retention Percentages 2/
Commodity Rates 1/		
FT-A – Maximum Rates		
Zone 1-1	\$0.0116	0.80%
Zone 1-2	\$0.0116	1.04%
Zone 2-2	\$0.0116	0.24%
Minimum Rate	\$0.0116	
IT and AOT		
Zone 1-1	\$0.1678	0.80%
Zone 1-2	\$0.2003	1.04%
Zone 2-2	\$0.1206	0.24%
Minimum Rate	\$0.0116	

- 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	\$1.00		\$1.00
LMS – Daily Overrun Rate	\$0.2003		\$0.2003
LMS – Load Management Cost Reconciliation Adjustment		\$0.0347	

- 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	\$0.2003	\$0.0000
RPL Service:		
Daily Reservation Rate	\$0.2003	\$0.0000

RATE SCHEDULE TF

RESERVATION RATES	MARKET-TO-MARKET			FIELD-TO-FIELD/MARKET DEMARCATION
	TF12 Base	TF12 Variable	TF5	TFE
Base Tariff Rates 1/				
Summer (Apr-Oct)	5.683	5.683	-0-	5.473
Winter (Nov-Mar)	<u>10.230</u>	<u>13.866</u>	<u>15.153</u>	<u>9.853</u>

  

COMMODITY RATES 2/		Market Area 3/ 6/		Field Mileage 5/		Carlton		Out-of Balance 3/	
TF12 Base, TF12 Var., TF5 & TFE		Maximum	Minimum	Rate per 100 miles	Minimum	Maximum	Minimum	Maximum	Minimum
Receipt Point	Delivery Point								
Market	Market	0.0366	0.0197			0.0175	0.0000	0.0366	0.0197
Field	Market	0.0366	0.0197	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.
- 3/ The Maximum and Minimum rates include the Market Area Electric Compression charge of \$0.0007 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 28, 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.
- 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>\$5.683</u>	<u>\$15.153</u>	<u>\$5.473</u>		<u>\$9.853</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	0.0366	0.0197			0.0175	0.0000	0.0366	0.0197
Field	Market	0.0366	0.0197	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.
- 3/ The Maximum and Minimum rates include the Market Area Electric Compression charge of \$0.0007 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 28, 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/ 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)	1.52%
Field Area	2/ 3/ 5/ 6/
UNACCOUNTED FOR PERCENTAGE (including Out-of-Balance)	-0.15% 4/ 5/ 7/
FDD Storage Fuel	1.26%

  

	<u>Electric Compression</u>
COMMODITY RATES:	1/ 7/
Market Area	\$0.0007
Field Area	\$0.0000

1/ Northern will adjust its Fuel 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, 2018. 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 Unaccounted For 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 unaccounted-for retention charges.

6/ The Out-of-Balance Fuel Percentage for deliveries in MIDS 1-7 shall be the applicable Section 1 Mainline Fuel percentage, and for deliveries in MIDS 8-16B shall be the applicable Section 2 Mainline 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.

Attachment B  
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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.

**Great Plains Natural Gas Co.  
Market Conditions for Wahpeton's Natural Gas  
June 2019**

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 increase from the previous month's index of \$2.17/MMBTU. National storage injections have begun for this summer season. The EIA reported that net injections totaled 100 Bcf for the week ending May 17, 2019, up from 93 Bcf during the same week last year. The EIA reported nationwide storage levels as of May 17, 2019 at 13.5 percent below the five-year average and 8.5 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 JUNE 1, 2019 THROUGH MAY 31, 2020**

(Over)/under recovered gas costs @ April 30, 2019: (\$139,186)

Less projected recovery from rates already established:

	Volume	Rate	Amount
May	8,300	\$0.5636	\$4,678

**Additional recovery required** (\$143,864)

Projected sales volumes (dk)

June 2019	5,000	
July	5,200	
August	5,200	
September	6,800	
October	19,900	
November	35,500	
December	51,500	
January 2020	57,100	
February	48,900	
March	38,300	
April	21,400	
May	8,500	
Total		<u>303,300</u>

Total gas cost reconciliation adjustment  
to be effective June 1, 2019 through May 31, 2020. (\$0.4743)

Change in Surcharge (\$1.0379)

**GREAT PLAINS NATURAL GAS CO.**  
**GAS COST RECONCILIATION ADJUSTMENT**  
**APPLICABLE TO NORTH DAKOTA**  
**INTERRUPTIBLE**  
**TO BE EFFECTIVE JUNE 1, 2019 THROUGH MAY 31, 2020**

(Over)/under recovered gas costs @ April 30, 2019: \$30,684

Less projected recovery from rates already established:

	<u>Volume</u>	<u>Rate</u>	<u>Amount</u>
May	59,100	\$0.1921	<u>\$11,353</u>

**Additional recovery required** \$19,331

Projected sales volumes (dk)

June 2019	40,500	
July	62,000	
August	45,000	
September	29,900	
October	52,400	
November	82,700	
December	98,100	
January 2020	103,300	
February	92,600	
March	83,500	
April	78,300	
May	59,100	
Total		<u>827,400</u>

Total gas cost reconciliation adjustment  
to be effective June 1, 2019 through May 31, 2020. \$0.0234

Change in Surcharge (\$0.1687)

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
<b>Balance @ April 30, 2018</b>									<b><u>\$164,849</u></b>
May 2018	(\$12,509)		\$178	(\$12,331)	21,206	\$0.3717	\$7,882	(\$20,213)	144,636
June	6,181		158	6,339	7,003	0.5636	3,037 2/	3,302	147,938
July	23,190		166	23,356	5,424	0.5636	3,057	20,299	168,237
August	17,506		198	17,704	6,310	0.5636	3,556	14,148	182,385
September	1,981		227	2,208	5,512	0.5636	3,107	(899)	181,486
October	(2,583)		238	(2,345)	13,367	0.5636	7,534	(9,879)	171,607
November	(30,023)		232	(29,791)	24,099	0.5636	13,582	(43,373)	128,234
December	11,651		171	11,822	41,003	0.5636	23,109	(11,287)	116,947
January 2019	(27,766)		154	(27,612)	49,848	0.5636	28,094	(55,706)	61,241
February 3/	(49,915)		71	(49,844)	59,204	0.5636	33,367	(83,211)	(21,970)
March 3/	(61,325)		(54)	(61,379)	53,723	0.5636	30,278	(91,657)	(113,627)
April	(6,175)		(195)	(6,370)	34,048	0.5636	19,189	(25,559)	(139,186)
<b>Total</b>	<b><u>(\$129,787)</u></b>	<b><u>\$0</u></b>	<b><u>\$1,544</u></b>	<b><u>(\$128,243)</u></b>	<b><u>320,747</u></b>		<b><u>\$175,792</u></b>	<b><u>(\$304,035)</u></b>	
<b>Balance @ April 30, 2019</b>									<b><u>(\$139,186)</u></b>

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

2/ Reflects 4,740.8 dk @ \$0.3717 and 2,261.9 dk @ \$0.5636

3/ Includes correction from prior submittal.

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
<b>Balance @ April 30, 2018</b>									<b><u>\$164,349</u></b>
May 2018	\$6,397		\$183	\$6,580	76,374	\$0.0763	\$5,827	\$753	165,102
June	(2,112)		187	(1,925)	49,703	0.1921	4,970 2/	(6,895)	158,207
July	(734)		185	(549)	46,494	0.1921	8,931	(9,480)	148,727
August	1,829		179	2,008	47,692	0.1921	9,162	(7,154)	141,573
September	(31,350)		178	(31,172)	40,242	0.1921	7,730	(38,902)	102,671
October	(128)		133	5	20,091	0.1921	3,859	(3,854)	98,817
November	18,625		131	18,756	64,748	0.1921	12,438	6,318	105,135
December	9,078		143	9,221	85,945	0.1921	16,510	(7,289)	97,846
January 2019	(15,840)		132	(15,708)	97,316	0.1921	18,694	(34,402)	63,444
February 3/	3,139		81	3,220	95,323	0.1921	18,312	(15,092)	48,352
March 3/	(3,313)		59	(3,254)	91,391	0.1921	17,556	(20,810)	27,542
April	17,241		(28)	17,213	73,246	0.1921	14,071	3,142	30,684
<b>Total</b>	<b><u>\$2,832</u></b>	<b><u>\$0</u></b>	<b><u>\$1,563</u></b>	<b><u>\$4,395</u></b>	<b><u>788,565</u></b>		<b><u>\$138,060</u></b>	<b><u>(\$133,665)</u></b>	<b><u>\$30,684</u></b>
<b>Balance @ April 30, 2019</b>									<b><u>\$30,684</u></b>

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

2/ Reflects 39,536.5 dk @ \$0.0763 and 10,166.2 dk @ \$0.1921.

3/ Includes correction from prior submittal.

**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 2018</u>				
Cost of Gas - Actual	\$5.06620	\$3.29730	\$5.06620	
Cost of Gas - Recovered	3.87040	3.86060	3.86060	
(Over) Under recovery per dk	<u>\$1.19580</u>	<u>(\$0.56330)</u>	<u>\$1.20560</u>	
dk billed	5,027	21,497	(5,318)	21,206
(Over) Under recovery	<u>\$6,011</u>	<u>(\$12,109)</u>	<u>(\$6,411)</u>	<u>(\$12,509)</u>
<u>June 2018</u>				
Cost of Gas - Actual	\$8.59020	\$5.06620	\$8.59020	
Cost of Gas - Recovered	4.08290	3.87040	3.87040	
(Over) Under recovery per dk	<u>\$4.50730</u>	<u>\$1.19580</u>	<u>\$4.71980</u>	
dk billed	2,262	7,489	(2,748)	7,003
(Over) Under recovery	<u>\$10,196</u>	<u>\$8,955</u>	<u>(\$12,970)</u>	<u>\$6,181</u>
<u>July 2018</u>				
Cost of Gas - Actual	\$7.54210	\$8.59020	\$7.54210	
Cost of Gas - Recovered	4.11510	4.08290	4.08290	
(Over) Under recovery per dk	<u>\$3.42700</u>	<u>\$4.50730</u>	<u>\$3.45920</u>	
dk billed	1,867	4,282	(725)	5,424
(Over) Under recovery	<u>\$6,398</u>	<u>\$19,300</u>	<u>(\$2,508)</u>	<u>\$23,190</u>
<u>August 2018</u>				
Cost of Gas - Actual	\$6.41610	\$7.54210	\$6.41610	
Cost of Gas - Recovered	4.20200	4.11510	4.11510	
(Over) Under recovery per dk	<u>\$2.21410</u>	<u>\$3.42700</u>	<u>\$2.30100</u>	
dk billed	2,252	2,828	1,230	6,310
(Over) Under recovery	<u>\$4,986</u>	<u>\$9,690</u>	<u>\$2,830</u>	<u>\$17,506</u>
<u>September 2018</u>				
Cost of Gas - Actual	\$6.10150	\$6.41610	\$6.10150	
Cost of Gas - Recovered	4.22600	4.20200	4.20200	
(Over) Under recovery per dk	<u>\$1.87550</u>	<u>\$2.21410</u>	<u>\$1.89950</u>	
dk billed	1,897	3,448	4 <sup>1/</sup> 167	5,512
(Over) Under recovery	<u>\$3,558</u>	<u>(\$1,895)</u>	<u>\$318</u>	<u>\$1,981</u>
<u>October 2018</u>				
Cost of Gas - Actual	\$3.71930	\$6.10150	\$3.71930	
Cost of Gas - Recovered	4.40010	4.22600	4.22600	
(Over) Under recovery per dk	<u>(\$0.68080)</u>	<u>\$1.87550</u>	<u>(\$0.50670)</u>	
dk billed	5,861	2,187	5,319	13,367
(Over) Under recovery	<u>(\$3,990)</u>	<u>\$4,102</u>	<u>(\$2,695)</u>	<u>(\$2,583)</u>

**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 2018</u>				
Cost of Gas - Actual	\$6.00140	\$3.71930	\$6.00140	
Cost of Gas - Recovered	5.35580	4.40010	4.40010	
(Over) Under recovery per dk	<u>\$0.64560</u>	<u>(\$0.68080)</u>	<u>\$1.60130</u>	
dk billed	8,765	26,395	(11,061)	24,099
(Over) Under recovery	<u>\$5,659</u>	<u>(\$17,970)</u>	<u>(\$17,712)</u>	<u>(\$30,023)</u>
<u>December 2018</u>				
Cost of Gas - Actual	\$5.54230	\$6.00140	\$5.54230	
Cost of Gas - Recovered	6.19580	5.35580	5.35580	
(Over) Under recovery per dk	<u>(\$0.65350)</u>	<u>\$0.64560</u>	<u>\$0.18650</u>	
dk billed	12,087	30,838	(1,922)	41,003
(Over) Under recovery	<u>(\$7,899)</u>	<u>\$19,908</u>	<u>(\$358)</u>	<u>\$11,651</u>
<u>January 2019</u>				
Cost of Gas - Actual	\$4.88470	\$5.54230	\$4.88470	
Cost of Gas - Recovered	5.42020	6.19580	6.19580	
(Over) Under recovery per dk	<u>(\$0.53550)</u>	<u>(\$0.65350)</u>	<u>(\$1.31110)</u>	
dk billed	17,634	36,363	(4,149)	49,848
(Over) Under recovery	<u>(\$9,443)</u>	<u>(\$23,763)</u>	<u>\$5,440</u>	<u>(\$27,766)</u>
<u>February 2019</u>				
Cost of Gas - Actual	\$3.91010	\$4.88470	\$3.91010	
Cost of Gas - Recovered	5.42020	5.42020	5.42020	
(Over) Under recovery per dk	<u>(\$1.51010)</u>	<u>(\$0.53550)</u>	<u>(\$1.51010)</u>	
dk billed	0	40,518	18,686	59,204
(Over) Under recovery	<u>\$0</u>	<u>(\$21,697)</u>	<u>(\$28,218)</u>	<u>(\$49,915)</u>
<u>March 2019</u>				
Cost of Gas - Actual	\$4.59050	\$3.91010	\$4.59050	
Cost of Gas - Recovered	4.73280	5.42020	5.42020	
(Over) Under recovery per dk	<u>(\$0.14230)</u>	<u>(\$1.51010)</u>	<u>(\$0.82970)</u>	
dk billed	16,813	41,606	(4,696)	53,723
(Over) Under recovery	<u>(\$2,392)</u>	<u>(\$62,829)</u>	<u>\$3,896</u>	<u>(\$61,325)</u>
<u>April 2019</u>				
Cost of Gas - Actual	\$2.62990	\$4.59050	\$2.62990	
Cost of Gas - Recovered	4.19420	4.73280	4.73280	
(Over) Under recovery per dk	<u>(\$1.56430)</u>	<u>(\$0.14230)</u>	<u>(\$2.10290)</u>	
dk billed	8,914	30,921	(5,787)	34,048
(Over) Under recovery	<u>(\$13,944)</u>	<u>(\$4,400)</u>	<u>\$12,169</u>	<u>(\$6,175)</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 2018</u>				
Cost of Gas - Actual	\$2.34330	\$2.64300	\$2.34330	
Cost of Gas - Recovered	<u>2.47690</u>	<u>2.46710</u>	<u>2.46710</u>	
(Over) Under recovery per dk	(\$0.13360)	\$0.17590	(\$0.12380)	
dk billed	<u>14,748</u>	<u>53,375</u>	<u>8,251</u>	76,374
(Over) Under recovery	<u>(\$1,970)</u>	<u>\$9,389</u>	<u>(\$1,022)</u>	<u>\$6,397</u>
<u>June 2018</u>				
Cost of Gas - Actual	\$2.63640	\$2.34330	\$2.63640	
Cost of Gas - Recovered	<u>2.68690</u>	<u>2.47690</u>	<u>2.47690</u>	
(Over) Under recovery per dk	(\$0.05050)	(\$0.13360)	\$0.15950	
dk billed	<u>10,166</u>	<u>26,971</u>	<u>12,566</u>	49,703
(Over) Under recovery	<u>(\$513)</u>	<u>(\$3,603)</u>	<u>\$2,004</u>	<u>(\$2,112)</u>
<u>July 2018</u>				
Cost of Gas - Actual	\$2.75610	\$2.63640	\$2.75610	
Cost of Gas - Recovered	<u>2.71910</u>	<u>2.68690</u>	<u>2.68690</u>	
(Over) Under recovery per dk	\$0.03700	(\$0.05050)	\$0.06920	
dk billed	<u>9,745</u>	<u>30,389</u>	<u>6,360</u>	46,494
(Over) Under recovery	<u>\$361</u>	<u>(\$1,535)</u>	<u>\$440</u>	<u>(\$734)</u>
<u>August 2018</u>				
Cost of Gas - Actual	\$2.80320	\$2.75610	\$2.80320	
Cost of Gas - Recovered	<u>2.80600</u>	<u>2.71910</u>	<u>2.71910</u>	
(Over) Under recovery per dk	(\$0.00280)	\$0.03700	\$0.08410	
dk billed	<u>11,973</u>	<u>24,238</u>	<u>11,481</u>	47,692
(Over) Under recovery	<u>(\$34)</u>	<u>\$897</u>	<u>\$966</u>	<u>\$1,829</u>
<u>September 2018</u>				
Cost of Gas - Actual	\$2.83420	\$2.80320	\$2.83420	
Cost of Gas - Recovered	<u>2.83000</u>	<u>2.80600</u>	<u>2.80600</u>	
(Over) Under recovery per dk	\$0.00420	(\$0.00280)	\$0.02820	
dk billed	<u>8,700</u>	<u>26,060</u> 4/	<u>5,482</u>	40,242
(Over) Under recovery	<u>\$37</u>	<u>(\$31,542)</u>	<u>\$155</u>	<u>(\$31,350)</u>
<u>October 2018</u>				
Cost of Gas - Actual	\$3.00700	\$2.83420	\$3.00700	
Cost of Gas - Recovered	<u>3.00410</u>	<u>2.83000</u>	<u>2.83000</u>	
(Over) Under recovery per dk	\$0.00290	\$0.00420	\$0.17700	
dk billed	<u>5,310</u>	<u>15,968</u>	<u>(1,187)</u>	20,091
(Over) Under recovery	<u>\$15</u>	<u>\$67</u>	<u>(\$210)</u>	<u>(\$128)</u>

**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 2018</u>				
Cost of Gas - Actual	\$4.10480	\$3.00700	\$4.10480	
Cost of Gas - Recovered	<u>3.88920</u>	<u>3.00410</u>	<u>3.00410</u>	
(Over) Under recovery per dk	\$0.21560	\$0.00290	\$1.10070	
dk billed	<u>10,273</u>	<u>39,671</u>	<u>14,804</u>	64,748
(Over) Under recovery	<u>\$2,215</u>	<u>\$115</u>	<u>\$16,295</u>	<u>\$18,625</u>
<u>December 2018</u>				
Cost of Gas - Actual	\$4.50850	\$4.10480	\$4.50850	
Cost of Gas - Recovered	<u>4.72920</u>	<u>3.88920</u>	<u>3.88920</u>	
(Over) Under recovery per dk	(\$0.22070)	\$0.21560	\$0.61930	
dk billed	<u>12,737</u>	<u>82,856</u>	<u>(9,648)</u>	85,945
(Over) Under recovery	<u>(\$2,811)</u>	<u>\$17,864</u>	<u>(\$5,975)</u>	<u>\$9,078</u>
<u>January 2019</u>				
Cost of Gas - Actual	\$4.03230	\$4.50850	\$4.03230	
Cost of Gas - Recovered	<u>3.95360</u>	<u>4.72920</u>	<u>4.72920</u>	
(Over) Under recovery per dk	\$0.07870	(\$0.22070)	(\$0.69690)	
dk billed	<u>20,222</u>	<u>76,219</u>	<u>875</u>	97,316
(Over) Under recovery	<u>\$1,591</u>	<u>(\$16,821)</u>	<u>(\$610)</u>	<u>(\$15,840)</u>
<u>February 2019</u>				
Cost of Gas - Actual	\$3.76330	\$4.03230	\$3.76330	
Cost of Gas - Recovered	<u>3.95360</u>	<u>3.95360</u>	<u>3.95360</u>	
(Over) Under recovery per dk	(\$0.19030)	\$0.07870	(\$0.19030)	
dk billed	<u>0</u>	<u>79,103</u>	<u>16,220</u>	95,323
(Over) Under recovery	<u>\$0</u>	<u>\$6,226</u>	<u>(\$3,087)</u>	<u>\$3,139</u>
<u>March 2019</u>				
Cost of Gas - Actual	\$4.11710	\$3.76330	\$4.11710	
Cost of Gas - Recovered	<u>3.61150</u>	<u>3.95360</u>	<u>3.95360</u>	
(Over) Under recovery per dk	\$0.50560	(\$0.19030)	\$0.16350	
dk billed	<u>15,916</u>	<u>66,988</u>	<u>8,487</u>	91,391
(Over) Under recovery	<u>\$8,047</u>	<u>(\$12,748)</u>	<u>\$1,388</u>	<u>(\$3,313)</u>
<u>April 2019</u>				
Cost of Gas - Actual	\$2.88280	\$4.11710	\$2.88280	
Cost of Gas - Recovered	<u>3.07290</u>	<u>3.61150</u>	<u>3.61150</u>	
(Over) Under recovery per dk	(\$0.19010)	\$0.50560	(\$0.72870)	
dk billed	<u>10,564</u>	<u>52,601</u>	<u>10,081</u>	73,246
(Over) Under recovery	<u>(\$2,008)</u>	<u>\$26,595</u>	<u>(\$7,346)</u>	<u>\$17,241</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.