

705 West Fir Ave.
Mailing Address:
P.O. Box 176
Fergus Falls, MN 56538-0176
1-877-267-4764

May 31, 2018

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

Re: Cost of Gas Adjustment (COG)
June 2018
Case No. PU-18-010

Great Plains Natural Gas Co. (Great Plains), a Division of MDU Resources Group, Inc., 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 (147th Revised Sheet No. 1.1) showing the proposed natural gas rates and the Cost of Gas Tariff (147th Revised Sheet No. 8), showing the June 2018 cost of gas and the resulting Cost of Gas Adjustment. The net effect of this filing is an increase of \$0.4044 per dk for residential and firm general service customers, and an increase of \$0.3258 for interruptible customers.

Attachment B shows the calculations supporting the gas costs for June 2018, including the calculation of the commodity cost of gas. The commodity cost of gas has increased \$0.2100 per dk for all customers since the last COG filing due to an increase in the market price of gas. A change to the annual demand volumes has resulted in an increase of \$0.0025 per dk to demand costs for residential and firm general service customers.

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, 2018 through May 31, 2019. The total GCR is \$0.5636 per dk for residential and general service customers and \$0.1921 per dk for interruptible customers. The effect of this change is an increase of \$0.1919 for residential and general service customers and an increase of \$0.1158 for interruptible customers.

Great Plains submitted a check for \$600.00 on December 29, 2017 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

Sincerely,

A handwritten signature in black ink, appearing to read "Tamie A. Aberle". The signature is fluid and cursive, with the first name being the most prominent.

Tamie A. Aberle
Director of Regulatory Affairs

Attachments

Attachment A

Attachment A



GREAT PLAINS NATURAL GAS CO.
A Division of MDU Resources Group, Inc.

**State of North Dakota
 Gas Rate Schedule**

NDPSC Volume 2

147th Revised Sheet No. 1.1

Canceling 146th 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	2	\$3.50 per month	First 10 dk \$1.2869 Over 10 dk 1.0646	\$4.6465	\$5.9334 5.7111
Interruptible Gas Service - General	3	\$3.50 per month	First 400 dk \$1.1506 Next 2,600 dk 0.9021 Over 3,000 dk 0.7486	\$2.8790	\$4.0296 3.7811 3.6276
Interruptible Gas Service - Grain Processing	4	\$3.50 per month	All dk \$1.2516	\$2.8790	\$4.1306
Transportation Service	5	\$3.50 per month	First 400 dk \$1.1506 Next 2,600 dk 0.9021 Over 3,000 dk 0.7486		\$1.1506 0.9021 0.7486

Date Filed: May 31, 2018

Effective Date: Service rendered on and after June 1, 2018

Issued By: Tamie A. Aberle
 Director - Regulatory Affairs

Case No.: PU-18-010



GREAT PLAINS NATURAL GAS CO.

A Division of MDU Resources Group, Inc.

State of North Dakota Gas Rate Schedule

NDPSC Volume 2
147th Revised Sheet No. 8
Canceling 146th Revised Sheet No. 8

COST OF GAS

Page 1 of 1

Summary:	Firm			Interruptible			
	Est. Wtd. Demand Costs	Average Commodity	GCR Adj.	Est. Wtd. Total Firm	Average Commodity	GCR Adj.	Total Int.
Base Rate	\$0.0662	\$5.1708	\$0.0000	\$5.2370	\$5.1708	\$0.0000	\$5.1708
Accumulated Adj.	1.3273	(2.6939)	0.3717	(0.9949)	(2.6939)	0.0763	(2.6176)
Current Adj.	0.0025	0.2100	0.1919	0.4044	0.2100	0.1158	0.3258
Total Adj.	1.3298	(2.4839)	0.5636	(0.5905)	(2.4839)	0.1921	(2.2918)
Total Rate	\$1.3960	\$2.6869	\$0.5636	\$4.6465	\$2.6869	\$0.1921	\$2.8790

Date Filed: May 31, 2018

Effective Date: Service rendered on and after June 1, 2018

Issued By: Tamie A. Aberle
Director - Regulatory Affairs

Case No.: PU-18-010

**GREAT PLAINS NATURAL GAS CO.
WAHPETON
PURCHASED GAS COST ADJUSTMENT
JUNE 2018**

	<u>Billing</u> <u>Determinants</u>	<u>Rate 1/</u>	<u>Demand</u> <u>Months</u>	<u>Amount</u>	<u>Amount</u> <u>Per Dk</u>
<u>Viking Firm</u>					
FT-A - Zone 1-1 (Cat. 3)	8,000	\$4.3706	12	\$419,578	\$0.1374
FT-A - Zone 1-1 (Cat. 1)	5,000	4.3706	12	262,236	0.0859
FT-A Seasonal	2,000	4.3706	5	43,706	0.0143
BP Contract (Firm Demand) 3/	1,600	4.7120	5	37,696	0.0123
 <u>Northern Natural Firm</u>					
TFX - Winter/Seasonal	15,000	15.1530	5	1,136,475	\$0.3721
TFX - Summer	13,000	5.6830	7	517,153	0.1693
TF12 Base - Summer	4,854	5.6830	7	193,097	0.0632
TF12 Base - Winter	4,854	10.2300	5	248,282	0.0813
TF12 Variable - Summer	2,681	5.6830	7	106,653	0.0349
TF12 Variable - Winter	2,681	13.8660	5	185,874	0.0609
TF5	3,410	15.1530	5	258,359	0.0846
TFX - Summer	2,000	5.6830	7	79,562	0.0260
TFX - Winter	7,200	15.1530	5	545,508	0.1786
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
Total Demand Charges				<u>\$4,264,074</u>	<u>\$1.3960</u>
Estimated Weighted Average Commodity Cost	3,054,401 2/	2.6869		8,206,870	2.6869
Gas Cost Reconciliation Adjustment					0.5636
Total Current Firm Gas Cost				<u>\$12,470,944</u>	<u>\$4.6465</u>
Base Cost of Gas					<u>5.2370</u>
Accumulated Adjustment					<u>(\$0.5905)</u>
 <u>Interruptible</u>					
Estimated Weighted Average Commodity Cost					\$2.6869
Gas Cost Reconciliation Adjustment					0.1921
Total Current Interruptible Gas Cost					<u>\$2.8790</u>
Base Cost of Gas					<u>5.1708</u>
Accumulated Adjustment					<u>(\$2.2918)</u>

1/ Effective June 1, 2018

2/ Annual demand volume including Minnesota.

3/ BP Contract (Firm Demand) Capacity Rate

$$\begin{array}{r}
 \$0.1550 \text{ Per dk} \\
 \times \quad 30.4 \text{ Average days in month} \\
 \hline
 \$4.7120
 \end{array}$$

**GREAT PLAINS NATURAL GAS CO.
WAHPETON
ESTIMATED GAS COSTS
JUNE 2018**

	Total System Supply	Cost per Dk	FDD-1 Storage	FDD-1 Capacity	SMS 1/	Viking Transport
<u>Estimated Cost Per Dk</u>						
Commodity Cost of Gas		\$2.5682	\$2.5682			
Transportation - Northern Natural		\$0.0374	\$0.0374		\$0.0208	
Transportation - Viking						0.0129
Withdrawal Fee			0.0149			
Fuel Transportation 2/		0.0257				
Transportation - Viking						0.0173
SMS Demand 3/ LMS Demand 3/ FDD-1 Capacity 4/		0.0136 0.0062	0.0136 0.0062	\$0.0198		
Total Cost Per Dk		\$2.6511	\$2.6403	\$0.0198	\$0.0208	\$0.0302
Total Estimated Dk Purchases 5/	182,130	182,130	0			90,226
Estimated Cost	\$489,374	\$482,845	\$0	\$3,606	\$198	\$2,725
Average Cost Per Dk		<u>\$2.6869</u>				

1/ Monthly requirement of 9,500 Dk.

	NNG	Viking
2/ Transportation Fuel Percentage of Field Area and Other	0.00%	0.00%
Market Area	0.99%	0.67%
Total	0.99%	0.67%

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

	Billing Determinants	Rate	Demand Months	Amount	Amount Per Dk
SMS	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.

	Billing Determinants	Rate	Demand Months	Amount	Amount Per Dk
FDD-1 Demand Charge (Capacity Charge)	53,509	\$0.3567	5	\$95,433	\$0.0198

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

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	182,130	30	6,071	142%
Storage Gas	(53,509)	30	(1,784)	-42%
Total Dk Requirements	<u>128,621</u>		<u>4,287</u>	<u>100%</u>
	<u>NNG</u>	<u>Viking</u>		
<u>Transportation Fuel</u>				
Dk	182,130	90,226		
Adjusted for Fuel Dk	183,951	90,835		
Fuel Costs	\$4,677	\$1,564		
Fuel Cost Per Dk	\$0.0257	\$0.0173		
<u>Storage Fuel</u>				
Dk	0			
Adjusted for Fuel Dk	0			
Fuel Costs	\$0			
Fuel Cost Per Dk	\$0.0000			

STATEMENT OF RATES
 (Rates Per Dekatherm)

Attachment B
 Page 4 of 8

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	0.67%
Zone 1-2	\$0.0116	0.86%
Zone 2-2	\$0.0116	0.19%
Minimum Rate	\$0.0116	
IT and AOT		
Zone 1-1	\$0.1678	0.67%
Zone 1-2	\$0.2003	0.86%
Zone 2-2	\$0.1206	0.19%
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		\$0.0473	

- 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		TF5	TFF
	TF12 Base	Variable		
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 Surcharges 4/		Out-of-Balance 3/	
TF12 Base	TF12 Var., TF5 & TFF	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Market	Market	0.0361	0.0192			0.0175	0.0000	0.0361	0.0192
Field	Market	0.0361	0.0192	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 \$0.0002 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 SCHEDULES TFX and LFT

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 and LFT	Market Area 3/ 7/	Field Mileage 5/ Rate per 100 miles		Carlton Surcharge 4/		Out-of-Balance 3/			
		Maximum	Minimum	Maximum	Minimum	Maximum	Minimum		
Market	Market	0.0361	0.0192			0.0175	0.0000	0.0361	0.0192
Field	Market	0.0361	0.0192	0.0122	0.0040	0.0175	0.0000		
Market	Field			0.0122	0.0040				
Field	Field			0.0122	0.0040			0.0276	0.0090

GULF COAST	Reservation 1/		Commodity 6/		Out-of-Balance 6/	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Other Gulf Coast	4.8169	0.0000	0.0000	0.0000	0.0000	0.0000

- 1/ The minimum reservation rate is equal to zero.
- 2/ The applicable Mileage Indicator Districts (MIDs) billing rate will be added to the TF rates for volumes received in the Field Area, or received in the Market Area and delivered to the Field Area. The MIDs rates shown on Sheet Nos. 59-60A represent the maximum Field Area throughput commodity rates for any transaction involving MIDs.
- 3/ The Maximum and Minimum rates include the Market Area Electric Compression charge of \$0.0002 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/ In addition to the Maximum and Minimum rates, Shipper shall pay the ACA unit surcharge as posted on FERC's website at <http://www.ferc.gov>.
- 7/ 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, LFT, GST, TI, & FDD

Fuel Percentages/Electric Compression Rates

	<u>Percentages</u>
FUEL PERCENTAGES:	1/ 7/
Market Area (including Out-of-Balance)	0.69%
Field Area	2/ 3/ 5/ 6/
UNACCOUNTED FOR PERCENTAGE (including Out-of-Balance)	0.30% 4/ 5/ 7/
FDD Storage Fuel	1.07%

	<u>Electric Compression</u>
COMMODITY RATES:	1/ 7/
Market Area	\$0.0002
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, 2017. 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.

**Great Plains Natural Gas Co.
Market Conditions for Wahpeton's Natural Gas
June 2018**

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.

The June monthly price for the NNG-Ventura Index is expected to increase from the previous month's index of \$2.39/MMBTU. A variety of construction and maintenance projects have begun limiting the flow of natural gas into the United States from Canada impacting pricing at particular locations. The EIA also reports that natural gas power generating facilities have ramped up consumption during the week of May 16th due to warmer than normal temperatures. This has driven prices higher throughout the Midwest. The EIA reported nationwide storage levels as of May 18, 2018 at 23.4 percent below the five-year average and 33.0 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 JUNE 1, 2018 THROUGH MAY 31, 2019**

(Over)/under recovered gas costs @ April 30, 2018: \$164,849

Less projected recovery from rates already established:

	Volume	Rate	Amount
May	8,000	\$0.3717	\$2,974

Additional recovery required \$161,875

Projected sales volumes (dk)

June 2018	4,900	
July	5,000	
August	5,000	
September	6,600	
October	19,100	
November	33,700	
December	48,800	
January 2019	54,100	
February	45,200	
March	36,400	
April	20,200	
May	8,200	
Total		287,200

Total gas cost reconciliation adjustment
to be effective June 1, 2018 through May 31, 2019. \$0.5636

Change in Surcharge \$0.1919

**GREAT PLAINS NATURAL GAS CO.
GAS COST RECONCILIATION ADJUSTMENT
APPLICABLE TO NORTH DAKOTA
INTERRUPTIBLE
TO BE EFFECTIVE JUNE 1, 2018 THROUGH MAY 31, 2019**

(Over)/under recovered gas costs @ April 30, 2018: \$164,349

Less projected recovery from rates already established:

	<u>Volume</u>	<u>Rate</u>	<u>Amount</u>
May	67,500	\$0.0763	\$5,150

Additional recovery required \$159,199

Projected sales volumes (dk)

June 2018	44,200		
July	61,500		
August	47,500		
September	39,200		
October	63,400		
November	72,700		
December	87,500		
January 2019	99,900		
February	86,600		
March	82,900		
April	76,000		
May	67,500		
Total			<u>828,900</u>

Total gas cost reconciliation adjustment
to be effective June 1, 2018 through May 31, 2019. \$0.1921

Change in Surcharge \$0.1158

**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 @ April 30, 2017									<u>\$106,098</u>
May 2017	(\$4,276)		\$45	(\$4,231)	16,179	\$0.1086	\$1,757	(\$5,988)	100,110
June	2,652		47	2,699	9,545	0.3717	1,760 2/	939	101,049
July	12,995		52	13,047	5,723	0.3717	2,127	10,920	111,969
August	21,473		55	21,528	6,045	0.3717	2,247	19,281	131,250
September	344		66	410	5,627	0.3717	2,092	(1,682)	129,568
October	6,138		68	6,206	8,076	0.3717	3,002	3,204	132,772
November	3,212		80	3,292	20,485	0.3717	7,614	(4,322)	128,450
December	38,727		83	38,810	36,968	0.3717	13,741	25,069	153,519
January 2018	99,617		125	99,742	57,947	0.3717	21,539	78,203	231,722
February	(3,616)		217	(3,399)	51,798	0.3717	19,253	(22,652)	209,070
March	(17,755)		210	(17,545)	47,332	0.3717	17,593	(35,138)	173,932
April	3,288		179	3,467	33,764	0.3717	12,550	(9,083)	164,849
Total	<u>\$162,799</u>	<u>\$0</u>	<u>\$1,227</u>	<u>\$164,026</u>	<u>299,489</u>		<u>\$105,275</u>	<u>\$58,751</u>	
Balance @ April 30, 2018									<u>\$164,849</u>

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

2/ Reflects 6,795 dk @ \$0.1086 and 2,750.2 dk @ \$0.3717

**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 @ April 30, 2017									<u>\$54,406</u>
May 2017	(\$17,828)		\$23	(\$17,805)	79,688	(\$0.2861)	(\$22,799)	\$4,994	59,400
June	(66,080)		28	(66,052)	78,654	0.0763	(16,397) 2/	(49,655)	9,745
July	(5,428)		1	(5,427)	25,157	0.0763	1,919	(7,346)	2,399
August	(4,244)		(3)	(4,247)	64,510	0.0763	4,922	(9,169)	(6,770)
September	(69,431)		(8)	(69,439)	33,125	0.0763	2,527	(71,966)	(78,736)
October	313		(50)	263	16,118	0.0763	1,230	(967)	(79,703)
November	572		(58)	514	35,728	0.0763	2,726	(2,212)	(81,915)
December	48,855		(64)	48,791	77,834	0.0763	5,939	42,852	(39,063)
January 2018	208,773		(42)	208,731	90,647	0.0763	6,916	201,815	162,752
February	51,513		153	51,666	81,486	0.0763	6,217	45,449	208,201
March	(33,349)		215	(33,134)	81,734	0.0763	6,236	(39,370)	168,831
April	1,737		178	1,915	83,836	0.0763	6,397	(4,482)	164,349
Total	<u>\$115,403</u>	<u>\$0</u>	<u>\$373</u>	<u>\$115,776</u>	<u>748,517</u>		<u>\$5,833</u>	<u>\$109,943</u>	
Balance @ April 30, 2018									<u>\$164,349</u>

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

2/ Reflects 61,806.8 dk @ (\$0.2861) and 16,847.3 dk @ \$0.0763.

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

	1/	2/	3/	Total
<u>May 2017</u>				
Cost of Gas - Actual	\$4.51210	\$4.01430	\$4.51210	
Cost of Gas - Recovered	4.40770	4.42690	4.42690	
(Over) Under recovery per dk	\$0.10440	(\$0.41260)	\$0.08520	
dk billed	4,373	11,527	279	16,179
(Over) Under recovery	\$457	(\$4,757)	\$24	(\$4,276)
<u>June 2017</u>				
Cost of Gas - Actual	\$4.96040	\$4.51210	\$4.96040	
Cost of Gas - Recovered	4.53440	4.40770	4.40770	
(Over) Under recovery per dk	\$0.42600	\$0.10440	\$0.55270	
dk billed	2,750	5,074	1,721	9,545
(Over) Under recovery	\$1,172	\$529	\$951	\$2,652
<u>July 2017</u>				
Cost of Gas - Actual	\$6.75280	\$4.96040	\$6.75280	
Cost of Gas - Recovered	4.26770	4.53440	4.53440	
(Over) Under recovery per dk	\$2.48510	\$0.42600	\$2.21840	
dk billed	1,881	113	3,729	5,723
(Over) Under recovery	\$4,674	\$49	\$8,272	\$12,995
<u>August 2017</u>				
Cost of Gas - Actual	\$11.42970	\$6.75280	\$11.42970	
Cost of Gas - Recovered	4.20310	4.26770	4.26770	
(Over) Under recovery per dk	\$7.22660	\$2.48510	\$7.16200	
dk billed	2,108	4,695	(758)	6,045
(Over) Under recovery	\$15,234	\$11,668	(\$5,429)	\$21,473
<u>September 2017</u>				
Cost of Gas - Actual	\$7.26670	\$11.42970	\$7.26670	
Cost of Gas - Recovered	4.18970	4.20310	4.20310	
(Over) Under recovery per dk	\$3.07700	\$7.22660	\$3.06360	
dk billed	1,968	2,294	1,365	5,627
(Over) Under recovery	\$6,056	(\$9,894)	\$4,182	\$344
<u>October 2017</u>				
Cost of Gas - Actual	\$3.93050	\$7.26670	\$3.93050	
Cost of Gas - Recovered	4.19300	4.18970	4.18970	
(Over) Under recovery per dk	(\$0.26250)	\$3.07700	(\$0.25920)	
dk billed	3,114	2,470	2,492	8,076
(Over) Under recovery	(\$817)	\$7,601	(\$646)	\$6,138

**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 2017</u>				
Cost of Gas - Actual	\$4.64700	\$3.93050	\$4.64700	
Cost of Gas - Recovered	4.27910	4.19300	4.19300	
(Over) Under recovery per dk	\$0.36790	(\$0.26250)	\$0.45400	
dk billed	7,384	7,609	5,492	20,485
(Over) Under recovery	<u>\$2,717</u>	<u>(\$1,998)</u>	<u>\$2,493</u>	<u>\$3,212</u>
<u>December 2017</u>				
Cost of Gas - Actual	\$7.07900	\$4.64700	\$7.07900	
Cost of Gas - Recovered	4.45210	4.27910	4.27910	
(Over) Under recovery per dk	\$2.62690	\$0.36790	\$2.79990	
dk billed	10,646	25,879	443	36,968
(Over) Under recovery	<u>\$27,966</u>	<u>\$9,521</u>	<u>\$1,240</u>	<u>\$38,727</u>
<u>January 2018</u>				
Cost of Gas - Actual	\$4.47580	\$7.07900	\$4.47580	
Cost of Gas - Recovered	4.24370	4.45210	4.45210	
(Over) Under recovery per dk	\$0.23210	\$2.62690	\$0.02370	
dk billed	21,177	36,044	726	57,947
(Over) Under recovery	<u>\$4,915</u>	<u>\$94,685</u>	<u>\$17</u>	<u>\$99,617</u>
<u>February 2018</u>				
Cost of Gas - Actual	\$4.87870	\$4.47580	\$4.87870	
Cost of Gas - Recovered	5.50970	4.24370	4.24370	
(Over) Under recovery per dk	(\$0.63100)	\$0.23210	\$0.63500	
dk billed	16,933	37,405	(2,540)	51,798
(Over) Under recovery	<u>(\$10,685)</u>	<u>\$8,682</u>	<u>(\$1,613)</u>	<u>(\$3,616)</u>
<u>March 2018</u>				
Cost of Gas - Actual	\$4.05630	\$4.87870	\$4.05630	
Cost of Gas - Recovered	4.01380	5.50970	5.50970	
(Over) Under recovery per dk	\$0.04250	(\$0.63100)	(\$1.45340)	
dk billed	14,854	35,040	(2,562)	47,332
(Over) Under recovery	<u>\$631</u>	<u>(\$22,110)</u>	<u>\$3,724</u>	<u>(\$17,755)</u>
<u>April 2018</u>				
Cost of Gas - Actual	\$3.29730	\$4.05630	\$3.29730	
Cost of Gas - Recovered	3.86060	4.01380	4.01380	
(Over) Under recovery per dk	(\$0.56330)	\$0.04250	(\$0.71650)	
dk billed	10,368	34,113	(10,717)	33,764
(Over) Under recovery	<u>(\$5,840)</u>	<u>\$1,449</u>	<u>\$7,679</u>	<u>\$3,288</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 2017</u>				
Cost of Gas - Actual	\$2.49390 ✓	\$2.99740 ✓	\$2.49390 ✓	
Cost of Gas - Recovered	2.90260 ✓	2.92180 ✓	2.92180 ✓	
(Over) Under recovery per dk	<u>(\$0.40870)</u>	<u>\$0.07560</u>	<u>(\$0.42790)</u>	
dk billed	12,767 ✓	31,829 ✓	35,092 ✓	79,688
(Over) Under recovery	<u>(\$5,218)</u>	<u>\$2,406</u>	<u>(\$15,016)</u>	<u>(\$17,828)</u>
<u>June 2017</u>				
Cost of Gas - Actual	\$1.90130 ✓	\$2.49390 ✓	\$1.90130 ✓	
Cost of Gas - Recovered	3.02930 ✓	2.90260 ✓	2.90260 ✓	
(Over) Under recovery per dk	<u>(\$1.12800)</u>	<u>(\$0.40870)</u>	<u>(\$1.00130)</u>	
dk billed	16,847 ✓	24,994 ✓	36,813 ✓	78,654
(Over) Under recovery	<u>(\$19,003)</u>	<u>(\$10,215)</u>	<u>(\$36,862)</u>	<u>(\$66,080)</u>
<u>July 2017</u>				
Cost of Gas - Actual	\$2.81370 ✓	\$1.90130 ✓	\$2.81370 ✓	
Cost of Gas - Recovered	2.88070 ✓	3.02930 ✓	3.02930 ✓	
(Over) Under recovery per dk	<u>(\$0.06700)</u>	<u>(\$1.12800)</u>	<u>(\$0.21560)</u>	
dk billed	5,705 ✓	934 ✓	18,518 ✓	25,157
(Over) Under recovery	<u>(\$382)</u>	<u>(\$1,054)</u>	<u>(\$3,992)</u>	<u>(\$5,428)</u>
<u>August 2017</u>				
Cost of Gas - Actual	\$2.79180 ✓	\$2.81370 ✓	\$2.79180 ✓	
Cost of Gas - Recovered	2.81610 ✓	2.88070 ✓	2.88070 ✓	
(Over) Under recovery per dk	<u>(\$0.02430)</u>	<u>(\$0.06700)</u>	<u>(\$0.08890)</u>	
dk billed	16,085 ✓	20,637 ✓	27,788 ✓	64,510
(Over) Under recovery	<u>(\$391)</u>	<u>(\$1,383)</u>	<u>(\$2,470)</u>	<u>(\$4,244)</u>
<u>September 2017</u>				
Cost of Gas - Actual	\$2.82340 ✓	\$2.79180 ✓	\$2.82340 ✓	
Cost of Gas - Recovered	2.80270 ✓	2.81610 ✓	2.81610 ✓	
(Over) Under recovery per dk	<u>\$0.02070</u>	<u>(\$0.02430)</u>	<u>\$0.00730</u>	
dk billed	7,289 ✓	24,479 ✓ 4/	1,357 ✓	33,125
(Over) Under recovery	<u>\$151</u>	<u>(\$69,592)</u>	<u>\$10</u>	<u>(\$69,431)</u>
<u>October 2017</u>				
Cost of Gas - Actual	\$2.81800 ✓	\$2.82340 ✓	\$2.81800 ✓	
Cost of Gas - Recovered	2.80600 ✓	2.80270 ✓	2.80270 ✓	
(Over) Under recovery per dk	<u>\$0.01200</u>	<u>\$0.02070</u>	<u>\$0.01530</u>	
dk billed	3,583 ✓	14,543 ✓	(2,008) ✓	16,118
(Over) Under recovery	<u>\$43</u>	<u>\$301</u>	<u>(\$31)</u>	<u>\$313</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 2017</u>				
Cost of Gas - Actual	\$2.92980	\$2.81800	\$2.92980	
Cost of Gas - Recovered	2.88560	2.80600	2.80600	
(Over) Under recovery per dk	<u>\$0.04420</u>	<u>\$0.01200</u>	<u>\$0.12380</u>	
dk billed	4,597	31,177	(46)	35,728
(Over) Under recovery	<u>\$203</u>	<u>\$375</u>	<u>(\$6)</u>	<u>\$572</u>
<u>December 2017</u>				
Cost of Gas - Actual	\$5.64750	\$2.92980	\$5.64750	
Cost of Gas - Recovered	3.05860	2.88560	2.88560	
(Over) Under recovery per dk	<u>\$2.58890</u>	<u>\$0.04420</u>	<u>\$2.76190</u>	
dk billed	11,188	60,411	6,235	77,834
(Over) Under recovery	<u>\$28,965</u>	<u>\$2,670</u>	<u>\$17,220</u>	<u>\$48,855</u>
<u>January 2018</u>				
Cost of Gas - Actual	\$3.62550	\$5.64750	\$3.62550	
Cost of Gas - Recovered	2.85020	3.05860	3.05860	
(Over) Under recovery per dk	<u>\$0.77530</u>	<u>\$2.58890</u>	<u>\$0.56690</u>	
dk billed	18,885	75,890	(4,128)	90,647
(Over) Under recovery	<u>\$14,642</u>	<u>\$196,471</u>	<u>(\$2,340)</u>	<u>\$208,773</u>
<u>February 2018</u>				
Cost of Gas - Actual	\$3.80470	\$3.62550	\$3.80470	
Cost of Gas - Recovered	4.11620	2.85020	2.85020	
(Over) Under recovery per dk	<u>(\$0.31150)</u>	<u>\$0.77530</u>	<u>\$0.95450</u>	
dk billed	12,464	58,512	10,510	81,486
(Over) Under recovery	<u>(\$3,883)</u>	<u>\$45,364</u>	<u>\$10,032</u>	<u>\$51,513</u>
<u>March 2018</u>				
Cost of Gas - Actual	\$2.60590	\$3.80470	\$2.60590	
Cost of Gas - Recovered	2.62030	4.11620	4.11620	
(Over) Under recovery per dk	<u>(\$0.01440)</u>	<u>(\$0.31150)</u>	<u>(\$1.51030)</u>	
dk billed	16,051	55,124	10,559	81,734
(Over) Under recovery	<u>(\$231)</u>	<u>(\$17,171)</u>	<u>(\$15,947)</u>	<u>(\$33,349)</u>
<u>April 2018</u>				
Cost of Gas - Actual	\$2.64300	\$2.60590	\$2.64300	
Cost of Gas - Recovered	2.46710	2.62030	2.62030	
(Over) Under recovery per dk	<u>\$0.17590</u>	<u>(\$0.01440)</u>	<u>\$0.02270</u>	
dk billed	13,180	58,908	11,748	83,836
(Over) Under recovery	<u>\$2,318</u>	<u>(\$848)</u>	<u>\$267</u>	<u>\$1,737</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.