

September 16, 2020

Will Seuffert  
Executive Secretary  
Minnesota Public Utilities Commission  
121 7th Place East, Suite 350  
Saint Paul, Minnesota 55101-2147

RE: **Comments of the Minnesota Department of Commerce, Division of Energy Resources**  
Docket No. G004/M-20-452

Dear Mr. Seuffert:

Attached are the Comments of the Minnesota Department of Commerce, Division of Energy Resources (Department) in the following matter:

Compliance Filing of Great Plains Natural Gas Co. – *Gas Service Quality Annual Report*

The Report was filed on May 1, 2020 by:

Travis R. Jacobson  
Director of Regulatory Affairs  
Great Plains Natural Gas Company  
P.O. Box 176  
Fergus Falls, MN 56538

The Department recommends that the Minnesota Public Utilities Commission (Commission) **accept the gas service quality annual report submitted by Great Plains Natural Gas Co.** The Department is available to answer any questions that the Commission may have.

Sincerely,

/s/ SAMIR OUANES  
Rates Analyst

SO/ja  
Attachment



**Before the Minnesota Public Utilities Commission**

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**Comments of the Minnesota Department of Commerce**  
**Division of Energy Resources**

Docket No. G004/M-20-452

**I. INTRODUCTION**

On April 16, 2009, the Minnesota Public Utilities Commission (Commission) opened an investigation into natural gas service quality standards and requested comments from the Minnesota Department of Commerce, Division of Energy Resources<sup>1</sup> (Department) and all Minnesota regulated natural gas utilities in Docket No. G999/CI-09-409 (09-409 Docket). As a result, Minnesota gas utilities are required to file annual reports with information pertaining to service quality standards; these reports provide the Commission with an opportunity to review the utility's service quality metrics and determine whether the utility is meeting the relevant service quality standards. Great Plains Natural Gas Company (Great Plains or the Company) filed its 2019 annual service quality report (Report) on May 1, 2020.

**II. DEPARTMENT ANALYSIS**

In its January 18, 2011 *Order* (09-409 *Order*) in the 09-409 Docket, the Commission allowed Great Plains to delay providing certain service quality information until the calendar year beginning January 1, 2011. As a result, select tables and figures in these Comments show the Company's service quality data from 2011 - 2019, while others show data from 2010 - 2019, as applicable.

Each year, the Department analyzes the annual report information by comparing the current service quality data to that provided in prior years. The Department looks for trends and changes in the Company's service quality metrics to determine whether further information is needed and to summarize the data provided over time by the Company. In addition, the Department reviews the annual report to determine whether it complies with applicable statutes, rules, and Commission Orders. Based on its review, the Department makes a recommendation to the Commission to either accept or reject the annual report.

The Department did not identify areas of significant concern regarding Great Plains' 2019 Report. The Department's analysis provides further detail and discussion on each service quality reporting requirement in the following sections.

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<sup>1</sup> At the time the Commission opened this investigation, the Department was referred to as the Minnesota Office of Energy Security, or OES.

*A. CALL CENTER RESPONSE TIME*

Minnesota Rule 7826.1200, Subpart 1 stipulates that electric utilities must answer at least 80 percent of calls made to the utility's business office during regular business hours within 20 seconds. Consistent with this Rule and the corresponding reporting requirements under Minnesota Rule 7826.1700, the Commission has required regulated gas utilities to provide in their annual service quality reports the percentage of business office calls answered within 20 seconds. Table 1 provides details on Great Plains' call center response times over the past nine years.

**Table 1: Call Center Response Times for Great Plains**

<i>Calendar Year</i>	<i>Average Percentage (%) of Calls Answered in 20 Seconds or Less</i>	<i>Average Number of Seconds Before Calls were Answered</i>	<i>Total Number of Calls Answered</i>
2011	88	33	26,109
2012	89	13	24,571
2013	85	21	25,854
2014	88	18	30,466
2015	83	12	25,810
2016	83	12	21,924
2017	85	19	27,614
2018	86	13	22,979
2019	82	3	23,805

Great Plains' annual reporting has indicated that, on average, its call center consistently answers greater than 80 percent of calls in 20 seconds or less. With the exception of years 2011 and 2013, the Company has reported data that reflects an average call answering speed of fewer than 20 seconds. The Department concludes that for 2019, the Company has met both the call center service quality standard and the reporting requirements for the associated data.

*B. METER READING PERFORMANCE*

In its 09-409 *Order*, the Commission required Great Plains to report meter reading performance data in the same manner as prescribed for electric utilities in Minnesota Rule 7826.1400.<sup>2</sup> Table 2 below documents Great Plains' meter reading performance data for years 2011 through 2019.

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<sup>2</sup> Minnesota Rule 7826.1400 requires that the annual service quality report include data on (1) the number and percentage of customer meters read by (a) the utility and (b) the customer, (2) the number and percentage of meters that have not been read by the utility for 6 – 12 months and periods longer than 12 months, and (3) the utility's monthly meter-reading staffing levels.

**Table 2: Meter Reading Performance for Great Plains**

<i>Calendar Year</i>	<i>Percentage (%) of Meters Read by Great Plains</i>	<i>Percentage (%) of Meters Read by Customers</i>	<i>Average Number of Meter Reading Personnel</i>
2011	99.92	0.08	7
2012	99.86	0.09	8
2013	99.91	0.09	10
2014	99.91	0.09	10
2015	99.86	0.07	6
2016	99.97	0	3
2017	99.98	0	3
2018	99.98	0	3
2019	99.98	0	3

Table 2 shows that Great Plains has consistently read the vast majority of meters, with customers taking zero or less than 0.1 percent of meter readings. Since implementing an automated meter reading system in May of 2015, all meter reading has been conducted by the Company through either the automated system or utility personnel. In 2019, 0.02 percent of meter readings were estimated by the automated meter reading system, and the Company took precise readings for 99.98 percent of active meters. For all years from 2011 through 2019, Great Plains reported that zero meters were left unread for a period of 6 or more months. The Department concludes that for 2019, the Company has met the meter reading performance reporting requirements.

### *C. INVOLUNTARY SERVICE DISCONNECTION*

The Commission's 09-409 *Order* required Great Plains to provide involuntary service disconnection information as outlined in Minnesota Statutes §§ 216B.091 and 216B.096, which relate to the Cold Weather Rule (CWR). Table 3 provides a summary of the Company's involuntary service disconnection data.

**Table 3: Involuntary Service Disconnections for Great Plains**

<i>Calendar Year</i>	<i>Number of Disconnection Notices Mailed to Customers</i>	<i>Number of Cold Weather Rule Requests</i>	<i>Number of Involuntary Disconnections</i>
2011	7,911	30	1,293
2012	13,726	22	1,093
2013	18,868	29	1,160
2014	18,711	10	1,227
2015	8,432	18	819
2016	9,732	12	649
2017	9,375	16	743
2018	9,491	18	836
2019	9,337	43	862

For all years documented in Table 3, 100 percent of the CWR requests were granted, and 100 percent of the involuntary connections were restored within 24 hours. Over the last nine years, 8,682 involuntary disconnections have been reported by the Company, and, of that total, 3,945 have occurred in the months of May and June (approximately 45 percent), coinciding with the termination of the CWR in April. The Department concludes that the Company has met the involuntary service disconnection reporting requirements for 2019.

#### *D. SERVICE EXTENSION REQUESTS*

In its 09-409 *Order*, the Commission required Great Plains to provide in its annual report the service extension request information described in items A and B of Minnesota Rule 7826.1600,<sup>3</sup> with the exception of information already provided as outlined in Minnesota Statutes §§ 216B.091 and 216B.096, Subdivision 11. The Report presents two sets of data, including service requested and subsequently extended to (1) locations that were *not* previously connected to the utility's system and (2) locations previously connected to the system. Tables 4 and 4(a) show the service extension request data submitted by the Company.

**Table 4: Service Extension Requests for New Service Locations for Great Plains**

<i>Calendar Year</i>	<b>Residential Customers</b>		<b>Commercial Customers</b>	
	<i>Number of Service Installations</i>	<i>Average<sup>4</sup> Number of Days to Complete Installation</i>	<i>Number of Service Installations</i>	<i>Average Number of Days to Complete Installation</i>
2010	107	29	32	23
2011	3,646	6	84	10
2012	121	25	45	24
2013	132	19	31	18
2014	146	23	39	60
2015	105	35	33	19
2016	122	25	30	19
2017	104	27	17	33
2018	129	26	24	15
2019	151	40	20	21

<sup>3</sup> Minnesota Rule 7826.1600 requires that the annual service quality report include information on the utility's service extension request response times for each customer class and month; the utility is required to separately identify customer request data for locations not previously served *and* locations previously served.

<sup>4</sup> For both residential and commercial customers, the average number of days to complete installation for a given year was calculated by the Department as (Sum of the monthly averages of days to complete service installation/Number of months in which the Company actually performed service installations). This calculation is not the weighted average that has been used by the Department in its Comments prior to 2019 nor is it the average used by Great Plains in the Company's Report. The Department believes its average calculation used in Tables 4 and 4(a) provides a representative average figure.

**Table 4(a): Service Extension Requests for Previously Served Locations for Great Plains**

<i>Calendar Year</i>	<b>Residential Customers</b>		<b>Commercial Customers</b>	
	<i>Number of Service Installations</i>	<i>Average Number of Days to Complete Installation</i>	<i>Number of Service Installations</i>	<i>Average Number of Days to Complete Installation</i>
2010	n/a <sup>5</sup>	n/a	1,857	1
2011	354	7	16	8
2012	1,047	1	679	1
2013	1,548	1	271	1
2014	1,569	1	272	1
2015	1,138	1	169	1
2016	1,051	1	211	1
2017	868	1	157	1
2018	778	1	146	1
2019	845	1	120	1

Tables 4 and 4(a) show that the number of service extension requests for both newly and previously served locations has fluctuated over time. The average number of days to complete service installations has also varied from year to year for newly served locations, but has remained steady for previously served locations. The Department concludes that the Company has met the service extension request reporting requirements for 2019.

#### *E. CUSTOMER DEPOSITS*

In alignment with Minnesota Rule 7826.1900, which is applicable to regulated electric utilities, the Commission has required each natural gas utility to provide data on the number of customers required to make a deposit as a condition of receiving service. Great Plains reported that no customers were required to make a deposit as a condition of receiving new service in 2019. This is consistent with prior years, as the Company has reported collecting zero customer deposits as a condition of receiving new service every year from 2011 - 2018. The Department concludes that the Company has met the customer deposit reporting requirements for 2019.

#### *F. CUSTOMER COMPLAINTS*

The Commission's 09-409 *Order* required Great Plains to provide the total number of complaints received and resolved for each of several complaint categories. This requirement is similar to that outlined in Minnesota Rule 7826.2000 for electric utilities. Prior to 2013, Great Plains exclusively submitted data on calls escalated to a supervisor for resolution or forwarded to the Company by the Commission's Consumer Affairs Office (CAO); in the years following 2013, the Company has provided

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<sup>5</sup> In Great Plains' 2010 service quality report, the data on service extensions to locations previously served combined the amounts associated with commercial and residential customers.

additional and more comprehensive data on customer complaints in its annual service quality reports. Table 5 summarizes select customer complaint data submitted by Great Plains and demonstrates that the majority of customer complaints have been consistently resolved upon initial inquiry from 2011 through 2019.

**Table 5: Escalated Customer Complaints for Great Plains**

<i>Calendar Year</i>	<i>Number of Complaints Escalated to a Supervisor</i>	<i>Number of Complaints Forwarded from the Consumer Affairs Office</i>	<i>Percentage (%) of Complaints Resolved Upon Initial Inquiry</i>
2011	7	1	86
2012	16	0	100
2013	28	1	96
2014	21	2	86
2015	28	0	96
2016	10	0	100
2017	16	0	75
2018	22	1	91
2019	28	1	89

Table 5(a) provides details on the Company's resolution of its customer complaints. The data shows that, overall, Great Plains resolves complaints most often through either compromising with the customer or demonstrating to the customer that the circumstances giving rise to the complaint were beyond the Company's control.

**Table 5(a): Escalated Customer Complaints by Resolution Method for Great Plains**

<i>Calendar Year</i>	<b>Percentage (%) of Customer Complaints Resolved by:</b>				
	<i>Agreement with Customer</i>	<i>Compromised with Customer</i>	<i>Demonstrate that Circumstances are out of Company Control</i>	<i>Refuse Customer Request</i>	<i>Resolution Not Categorized</i>
2011	0	57	0	29	14
2012 <sup>6</sup>	13	50	0	19	19
2013	0	39	29	32	0
2014	0	14	67	19	0
2015	4	18	64	14	0
2016	0	50	20	30	0
2017	0	6	63	31	0
2018	0	27	32	41	0
2019	4	4	61	32	0

<sup>6</sup> The Department notes that the 2012 percentages in Table 5(a) correctly reflect the percentages documented by Great Plains in its service quality report, filed May 1, 2013, under Docket No. G004/M-13-366. However, these percentages add up to 101%, rather than 100%. The Department has concluded that this discrepancy is due to rounding differences and the figures for 2012 do not contain any material inaccuracies.

Beginning in 2014, Great Plains agreed to include data for *all* calls (rather than only those calls escalated to a supervisor) that were indicative of a concern or complaint received by its customer service center. Table 5(b) provides statistics on the Company's resolution methods across all customer calls indicative of a concern or complaint.

**Table 5(b): All Customer Complaints or Concerns by Resolution Method for Great Plains**

<i>Calendar Year</i>	<i>Total Number of Customer Complaints or Concerns</i>	<b>Percentage (%) of Customer Complaints or Concerns Resolved by:</b>			
		<i>Agreement with Customer</i>	<i>Compromise with Customer</i>	<i>Demonstrate that Circumstances are out of Company Control</i>	<i>Refuse Customer Request</i>
2014	2,309 <sup>7</sup>	33	10	52	5
2015	10,945	24	13	61	2
2016	10,056	25	7	66	2
2017	8,970	21	5	71	3
2018	12,252	21	24	49	6
2019	13,060	28	16	52	4

The Department concludes that the Company has met the customer complaint reporting requirements for 2019.

#### *G. GAS EMERGENCY TELEPHONE CALLS*

In its 09-409 *Order*, the Commission required Great Plains to provide information about the (1) Company's emergency telephone line response time, (2) procedures the Company currently follows to handle emergency calls, and (3) the Company's internal performance goal for answering emergency calls.

In February of 2011, Great Plains began tracking its percentage of gas emergency phone calls answered within 20 seconds. The Company explained in its Report that it has an internal performance goal of answering at least 80 percent of all calls, including emergencies, within 20 seconds.<sup>8</sup> Table 6 shows the details relevant to emergency phone calls received by Great Plains.

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<sup>7</sup> Great Plains noted that this number does not reflect all calls by type and resolution for 2014 but was provided to demonstrate the Company's continued effort towards meeting the reporting requirement for all customer complaint calls. See Docket No. G004/M-15-390 at page 3.

<sup>8</sup> 2018 Report at page 5, item 11, "Gas Emergency Phone Response Time."



**Table 6: Gas Emergency Phone Calls Received by Great Plains**

<i>Calendar Year</i>	<i>Number of Gas Emergency Calls</i>	<i>Average Number of Seconds Before Calls were Answered</i>	<i>Percentage (%) of Calls Answered in 20 Seconds or Less</i>
2011	1,683	15	80
2012	1,437	13	84
2013	1,421	16	83
2014	1,702	19	79
2015	1,397	15	81
2016	1,007	12	82
2017	898	16	86
2018	612	10	89
2019	808	11	82

With the exception of year 2014, Great Plains has consistently answered greater than 80 percent of calls in 20 seconds or less. The number of emergency phone calls made to the Company has been generally trending downwards since 2014. The Department concludes that the Company has met the gas emergency phone call reporting requirements for 2019.

#### *H. GAS EMERGENCY RESPONSE TIME*

In compliance with Commission *Order* 09-409, Great Plains reports information on its response time to gas emergencies. The important metric for this reporting requirement is the amount of time elapsed between when Great Plains is first notified of the emergency and the time that a qualified emergency response person arrives at the incident location to begin making the area safe. The relevant data is documented in Table 7.

**Table 7: Gas Emergency Response Time for Great Plains**

<i>Calendar Year</i>	<i>Number of Emergency Calls Requiring Response</i>	<i>Percentage (%) of Calls Responded to in <b>Less than</b> One Hour</i>	<i>Percentage (%) of Calls Responded to in <b>Greater than</b> One Hour</i>	<i>Average Response Time in Minutes</i>
2010	582	96	4	n/a
2011	506	98	2	17
2012	367	>99	<1	14
2013	289	97	3	17
2014	159	94	6	20
2015	174	99	1	15
2016	95	95	5	23
2017	376	98	2	22
2018	456	97	3	22
2019	538	98	2	20

Table 7 demonstrates that Great Plains has consistently responded to the vast majority of gas emergencies in less than one hour, with the Company's longest average response time being reported in the year 2016 at 23 minutes. Despite an increase of 82 in the number of emergency calls requiring a response between 2018 and 2019, the Company was able to respond to 98 percent of the 2019 calls within one hour. The Department concludes that the Company has met the gas emergency response time reporting requirements for 2019.

#### *I. MISLOCATES*

The Commission's 09-409 *Order* required Great Plains to provide data on mislocates. Accordingly, the Company incorporates in its annual service quality reports (1) the number of locate tickets and (2) the number of mislocates that resulted in damage to a gas line, including damage that resulted from a mismarked line or the failure to mark a line. Table 8 summarizes the information relevant to the Company's mislocates.

**Table 8: Mislocates for Great Plains**

<i>Calendar Year</i>	<i>Number of Locate Tickets</i>	<i>Number of Mislocates</i>	<i>Percentage (%) of Mislocates Relative to Locate Tickets<sup>9</sup></i>	<i>Mislocates per 1,000 Locate Tickets</i>
2010	7,230	1	0.01	0.14
2011	7,676	6	0.08	0.78
2012	7,490	1	0.01	0.13
2013	6,867	14	0.20	2.04
2014	7,397	8	0.11	1.08
2015	8,287	14	0.17	1.69
2016	8,373	11	0.13	1.31
2017	7,626	8	0.10	1.05
2018	7,893	12	0.15	1.52
2019	7,794	7	0.09	0.90

Table 8 shows that the Company's mislocates are consistently less than 1 percent relative to the total number of locate tickets for all years from 2011 through 2019. The number of mislocates decreased in 2019 compared to 2018. The Department concludes that the Company has met the mislocate reporting requirements for 2019.

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<sup>9</sup> The Department calculates the percentage of mislocates as: (total number of mislocates/total number of locate tickets).

## J. DAMAGED GAS LINES

The Commission's 09-409 *Order* required Great Plains to provide summary data on gas line damage, including the number of damage incidents caused by (1) the utility's employees or contractors and (2) other factors beyond the utility's control. Table 9 outlines the Company's gas line damage information.

**Table 9: Damaged Gas Lines for Great Plains**

<i>Calendar Year</i>	<b>Number of Gas Lines Damaged:</b>			<i>Miles of Gas Line Operated in Minnesota</i>	<i>Damage Incidents per 100 Miles of Gas Line</i>
	<i>Caused by Great Plains (A)</i>	<i>Caused by Factors Outside of Great Plains' Control (B)</i>	<i>Total (A + B)</i>		
2011	2	28	30	507	5.92
2012	14	54	68	522	13.03
2013	9	32	41	515	7.96
2014	5	33	38	519	7.32
2015	11	37	48	524	9.16
2016	8	30	38	522	7.28
2017	13	21	34	522	6.51
2018	14	14	28	536	5.22
2019	7	24	31	535	5.79

With the exception of year 2018, factors outside the Company's control have caused the majority of gas line damages.

Great Plains is also required to include in its annual service quality report the information it provided to the Minnesota Office of Pipeline Safety (MNOPS), detailing the root cause of gas line damage and the type of infrastructure involved (*i.e.*, transmission, distribution). In addition to the 7 damage events associated with mislocates, the damage incidents in 2019 were categorized as following:

- Notification not made (3 incidents)<sup>10</sup>
- Failed to determine precise location (7 incidents)<sup>11</sup>
- Caused by incorrect records or maps (4 incidents)
- Failed to maintain clearance (5 incidents)<sup>12</sup>

<sup>10</sup> Minnesota Statutes 216D.04 Subd 1(a): Excavator did not make notification to Gopher State One Call (*i.e.*, no locate ticket).

<sup>11</sup> Minnesota Statutes 216D.04 Subd 4(a): Excavator failed to determine the precise location of marked facility, within 2 feet each side of locate marks, prior to starting excavation (*i.e.* damaged by excavation equipment, not potholing, no hand digging).

<sup>12</sup> Minnesota Statutes 216D.05 (3): Excavator failed to maintain clearance between underground utility and cutting edge of equipment (*i.e.* damaged by bucket, damaged by directional drill, damaged by trencher).

- Failed to maintain marks (1 incident)<sup>13</sup>
- Caused by mis-marks (2 incidents)
- Damage by hand dig (5 incidents)
- Failed to protect and support during excavation (4 incidents)<sup>14</sup>

The Department concludes that the Company has met the gas line damage reporting requirements for 2019.

*K. SERVICE INTERRUPTIONS, INCLUDING MNOPS REPORTABLE EVENTS*

In its 09-409 *Order*, the Commission required Great Plains to provide a summary of (1) service interruptions caused by system integrity pressure issues and (2) major incidents based on MNOPS incident reports. Table 10 below provides details on the Company's service interruptions.

**Table 10: Service Interruptions for Great Plains**

Calendar Year	Number of Service Interruptions:			Total Number of Customers Affected	Average Duration of Interruption in Minutes <sup>15</sup>
	Caused by Great Plains (A)	Caused by Factors Outside of Great Plains' Control (B)	Total (A + B)		
2011	22	3	25	113	146
2012	13	35	48	115	222
2013	7	22	29	221	308
2014	3	26	29	123	330
2015	9	25	34	250	551
2016	6	32	38	213	236
2017	12	18	30	146	180
2018	8	11	19	252	166
2019	6	12	18	355	187

Table 10 shows that the total number of service interruptions has decreased each year since 2016. The number of customers affected by an interruption and the average outage duration depend on both the number *and* nature of interruptions that occur throughout the year. It follows that the number of

<sup>13</sup> Minnesota Statutes 216D.04 Subd 4(d): Excavator failed to maintain, preserve, or protect marks (*i.e.* marks destroyed after work started).

<sup>14</sup> Minnesota Statutes 216D.05 (4): Excavator failed to support or protect exposed facilities (*i.e.* no supports under utility causing damage, soil damaged by during excavation).

<sup>15</sup>The Department calculates average interruption duration as follows: (Sum of the monthly averages of interruption duration/Number of months in which one or more interruptions actually occurred). The Department further notes that this calculation differs from the weighted average used by Great Plains in the Report. The Department believes that its calculation provides a reasonable representation of the average interruption duration.

customers affected by an interruption and the average outage duration do not fluctuate in direct proportion to the number of service interruptions.

In 2019, Great Plains had three service interruptions that impacted a total of 355 customers and were reported to MNOPS. These interruptions occurred on March 8, 2019 in Granite Falls, June 24, 2019 in Pelican Rapids and July 16, 2019 in Redwood Falls, and were caused by underground excavation damages to PVC lines. The following Table 11 provides the historical data on the Company's MNOPS reportable events.

**Table 11: MNOPS Reportable Interruptions for Great Plains**

<i>Calendar Year</i>	<i>Number of MNOPS Reportable Interruptions</i>
2010	0
2011	3
2012	0
2013	1
2014	0
2015	1
2016	0
2017	0
2018	1
2019	3

The Department concludes that the Company has met the service interruption reporting requirements for 2019.

***L. CUSTOMER SERVICE RELATED OPERATIONS/MAINTENANCE EXPENSES AND PAYROLL TAXES AND BENEFITS***

In its 09-409 *Order*, the Commission required Great Plains to report (1) customer service-related operation and maintenance (O&M) expenses, accounted for under the Federal Energy Regulatory Commission (FERC) 901 and 903 accounts and (2) payroll taxes and benefits. The Company's Report presents these expenditures together and combines the related data into a single schedule. Table 12 summarizes the O&M expense and payroll taxes/benefits data submitted by Great Plains.

**Table 12: Customer Service-Related O&M Expenses Plus  
Payroll Taxes and Benefits for Great Plains**

<i>Calendar Year</i>	<i>Customer Service O&amp;M Expense Plus Payroll Taxes &amp; Benefits: Total in Dollars (\$)</i>	<i>Customer Service O&amp;M Expense Plus Payroll Taxes &amp; Benefits: Monthly Average in Dollars (\$)</i>
2010	367,196	30,600
2011	349,451	29,121
2012	347,607	28,967
2013	364,517	30,376
2014	362,198	30,183
2015	650,117	54,176
2016	701,088	58,424
2017	636,475	53,040
2018	559,860	46,655
2019	588,341	49,028

While total O&M expenses plus payroll taxes and benefits increased dramatically between 2014 and 2015,<sup>16</sup> the general trend from 2016 through 2019 shows a decline in the total and monthly average amounts for these expenditures. The Department concludes that the Company has met the expenditure reporting requirements for 2019.

#### *M. DISTRIBUTION SYSTEM PERFORMANCE MEASURES*

The Commission *Order* for Docket No. G004/M-19-280, issued January 7, 2020, required Great Plains to report as part of its natural gas service quality reports, TIMP/DIMP data,<sup>17</sup> which includes leak count by facility type and threat; leak count on main by material; and leak count on service by material.

The Commission *Order* for Docket No. G004/M-19-280, issued November 14, 2019, modified the future reporting requirements to include:

- b. the uniform reporting metrics for installation of excess flow valves (EFV) and manual service line shutoff valves, to be developed as follows: By December 6, 2019, after consultation with the other gas utilities obligated to report EFV metrics, shall provide recommendations for uniform reporting of annual and overall EFV and manual shutoff valve installation on their distribution system. The recommendation could include:

<sup>16</sup> In its service quality report for 2015 (Docket No. G004/M-16-357), Great Plains indicated that costs associated with credit and collection and customer service were not being properly allocated to Great Plains. An additional \$219,095 was recorded in September 2015 to account for the misallocation.

<sup>17</sup> TIMP stands for transmission integrity management programs and DIMP stands for distribution integrity management programs.

1. a uniform definition of the number of customers suitable for EFV;
2. a uniform definition of the number of customers suitable for manual shut-off valves;
3. a uniform metric to be reported as a percentage of customers with installations of both;
4. metrics for the number of customers receiving installations upon request prior to a system upgrade that would require the installation of EFVs.

On December 6, 2019, Great Plains filed its compliance filing regarding recommendations for the uniform reporting of EFVs and manual shutoff valve installations on Great Plains' distribution system as required by the November 14, 2019 Order in Docket No. G004/M-19-280.

The following sections 1 – 4 provide additional details on the Company's reported performance measures.

*1. Distribution Integrity Management Plan Performance Measures*

Table 13 and Table 13(a) summarize the data submitted by Great Plains in compliance with the November 14, 2019 Order.

**Table 13: Leak Count by Facility Type and Threat**

	Above Ground	Mains	Services
Corrosion	1	0	0
Natural Forces	5	1	1
Excavation	0	6	15
Other Outside Forces	9	0	4
Material Failure	33	10	13
Equipment Failure	30	3	2
Incorrect Operations	0	0	0
Other Unknown/Missing	0	0	0
2019 Total	78	20	35

**Table 13(a): Leak Count on Mains and Services by Material**

	Mains	Services
Coated Steel	5	5
Bare Steel	0	1
Plastic	3	12
PVC	12	17
2019 Total	20	35

Table 13 shows that gas line leaks are most commonly caused by material failure first, then by equipment failure and the excavation process, making these the highest risk factors for Great Plains' gas line leaks.

## *2. Emergency Response Violations Cited by MNOPS*

Great Plains indicated that the Company did not have any emergency response violations cited by MNOPS for 2019.

## *3. Violation Letters Received by Great Plains from MNOPS*

Great Plains indicated that the Company did not receive any violation letters from MNOPS in 2019.

## *4. Monitoring and Metrics for Excess Flow Valve Deployment and Manual Service Line Shutoff Valves*

Table 14 and Table 14(a) summarize the data submitted by Great Plains in compliance with the January 7, 2020 Order in Docket No. G004/M-19-280.

**Table 14: EFV Installation**

Customer Class	Number of Customers Suitable of EFV Installation (a)	Total Number of Installed EFVs (b)	Number of Customers Who Requested Installation (c)	Percentage of Suitable Customers With EFVs (d)	Number of Customers Unsuitable For EFVs (e)
			Subset of (b)	(b)/(a)	
Residential	18,177	5,407	0	29.7%	3
Firm General	2,622	396	0	15.1%	34
Small Interruptible	49	4	0	8.2%	27
Large Interruptible	1	-	0	0.0%	4
Small Interruptible Transportation	3	-	0	0.0%	2
Large Interruptible Transportation	-	-	0	0.0%	8
Unassigned	1,409	187	0	13.3%	11
Total	22,261	5,994	0	26.9%	89



**Table 14(a): Manual Shut-Off Installation**

Customer Class	Number of Customers Suitable for Manual Shut-Off Valves (a)	Total Number of Installed Manual Shut-Off Valves (b)	Number of Customers Who Requested Installation (c) Subset of (b)	Percentage of Suitable Customers With Manual Shut-Off Valves (d) (b)/(a)
Residential	3	3	0	100%
Firm General	34	27	0	79%
Small Interruptible	27	14	0	52%
Large Interruptible	4	1	0	25%
Small Interruptible Transportation	2	1	0	50%
Large Interruptible Transportation	8	1	0	13%
Unassigned	11	11	0	100%
Total	89	58	0	65%

### III. DEPARTMENT CONCLUSIONS AND RECOMMENDATIONS

Based on its review, the Department concludes that Great Plains has met all the applicable reporting requirements and recommends that the Commission accept Great Plains' 2019 Annual Service Quality Report.

/ja

## **CERTIFICATE OF SERVICE**

I, Sharon Ferguson, hereby certify that I have this day, served copies of the following document on the attached list of persons by electronic filing, certified mail, e-mail, or by depositing a true and correct copy thereof properly enveloped with postage paid in the United States Mail at St. Paul, Minnesota.

**Minnesota Department of Commerce**  
**Comments**

**Docket No. G004/M-20-452**

Dated this 16<sup>th</sup> day of **September 2020**

**/s/Sharon Ferguson**

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Generic Notice	Commerce Attorneys	commerce.attorneys@ag.state.mn.us	Office of the Attorney General-DOC	445 Minnesota Street Suite 1400  St. Paul, MN 55101	Electronic Service	Yes	OFF_SL_20-452_M-20-452
Sharon	Ferguson	sharon.ferguson@state.mn.us	Department of Commerce	85 7th Place E Ste 280  Saint Paul, MN 551012198	Electronic Service	No	OFF_SL_20-452_M-20-452
Travis	Jacobson	travis.jacobson@mdu.com	Great Plains Natural Gas Company	400 N 4th St  Bismarck, ND 58501	Electronic Service	Yes	OFF_SL_20-452_M-20-452
Generic Notice	Residential Utilities Division	residential.utilities@ag.state.mn.us	Office of the Attorney General-RUD	1400 BRM Tower 445 Minnesota St St. Paul, MN 551012131	Electronic Service	Yes	OFF_SL_20-452_M-20-452
Will	Seuffert	Will.Seuffert@state.mn.us	Public Utilities Commission	121 7th PI E Ste 350  Saint Paul, MN 55101	Electronic Service	Yes	OFF_SL_20-452_M-20-452