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March 28, 2022

–Via Electronic and U.S. Mail–

Steven M. Kahl, Executive Director
North Dakota Public Service Commission
Department 408
600 East Boulevard Avenue
Bismarck, ND 58505-0480

RE: 2021 METER TESTING RESULTS

Dear Mr. Kahl:

In accordance with sections 69.09.01.16 and 69.09.02.28 of the North Dakota Administrative Code, Northern States Power Company, an Xcel Energy company with operations in North Dakota, encloses summary results of the 2021 testing of the Company's North Dakota electric and natural gas meters.

A summary of the Company's 2021 electric meter testing results is provided in Attachment A to this filing. As a result of a 2015 Commission Staff review of our meter testing tariff, it was recommended the Company also include a more detailed report of our electric meter random test results for meters within the NSP-Minnesota operating company (serving the states of Minnesota, North Dakota, and South Dakota). That information is included in Attachment B.

Attachment C provides a summary of our 2021 natural gas meter testing results.

Please call or email me if you have any questions about this report.

Sincerely,

DAVID H. SEDERQUIST
SR. REGULATORY CONSULTANT

Enclosures

- 1 PU-22-154 Filed 03/28/2022 Pages: 5
2021 North Dakota Electric and Natural Gas Meter Test Report
Northern States Power Company

- 1 PU-22-153 Filed 03/28/2022 Pages: 5
2021 North Dakota Electric and Natural Gas Meter Test Report
Northern States Power Company

**Xcel Energy - State of North Dakota
Electric Meter Testing
Summary of 2021 Results**

Meters	Acceptable ¹		Slow		Fast		No Register	
	#	%	#	%	#	%	#	%
Random Sample Tests								
Self-contained Single & Polyphase	140	100.0%	0	0.0%	0	0.0%	0	0.0%
Transformer-rated Single & Polyphase	36	100.0%	0	0.0%	0	0.0%	0	0.0%
Total Random Tests	176	100.0%	0	0.0%	0	0.0%	0	0.0%
Periodic Tests								
Transformer-rated Polyphase (>600V) ²	38	100.0%	0	0.0%	0	0.0%	0	0.0%
Transformer-rated Polyphase (>1 MW) ³	39	100.0%	0	0.0%	0	0.0%	0	0.0%
Total Periodic Tests	77	100.0%	0	0.0%	0	0.0%	0	0.0%
2019 Electric Meter Tests:	253	100.0%	0	0.0%	0	0.0%	0	0.0%

¹ Meters that test within acceptable tolerance (i.e., have an average error within +/- 2 percent of accurate)

² Meters in substations on primary services above 600 volts

³ Meters with demands greater than 1 MW during the previous calendar year

See Section 3.1 *Metering and Testing* in Xcel Energy's North Dakota Electric Rate Book (NDPSC No. 2) for meter testing criterium and process.

**Xcel Energy - State of North Dakota
Natural Gas Meter Testing
Summary of 2021 Results**

Meter Test Group	Meters		Acceptable ¹		Slow		Fast	
	#		#	%	#	%	#	%
Residential (capacity < 400 cubic ft/hr)	463		436	94.2%	19	4.1%	8	1.7%
Small C&I (capacity 400 - 999 cubic ft/hr)	35		31	88.6%	1	2.9%	3	8.6%
Large C&I (capacity > 999 cubic ft/hr)	<u>138</u>		<u>131</u>	<u>94.9%</u>	<u>1</u>	<u>0.7%</u>	<u>6</u>	<u>4.3%</u>
Natural Gas Meter Totals	636		598	94.0%	21	3.3%	17	2.7%

Note: Meters are tested at two flow rates. The accuracy is the average of the two tests.

¹ Meters that test within acceptable tolerance have an average error within +/- 2 percent