



2302 Great N. Drive
Fargo, North Dakota 58402

March 26, 2012

VIA ELECTRONIC
AND U.S. MAIL

Darrell Nitschke, Executive Secretary
North Dakota Public Service Commission
Department 408
600 East Boulevard Avenue
Bismarck, ND 58505-0480

Re: 2011 North Dakota Electric and Natural Gas Meter Test Reports

Dear Mr. Nitschke:

In accordance with sections 69.09.01.16 and 69.09.02.28 of the North Dakota Administrative Code, Northern States Power Company, a Minnesota corporation with operations in North Dakota, encloses summary results of the testing of the Company's North Dakota electric and natural gas meters in 2011.

Please call or email me if you have any questions about the information provided.

Sincerely,

A handwritten signature in blue ink that reads 'David H. Sederquist'.

DAVID SEDERQUIST
SR. REGULATORY CONSULTANT

Enclosures

**Xcel Energy - State of North Dakota
Electric Meter Testing
Summary of 2011 Results**

Test Category	Meters	Acceptable¹		Slow²		Fast³		No Register	
	#	#	%	#	%	#	%	#	%
New receipted meters	215	215	100.0%	0	0.0%	0	0.0%	0	0.0%
Customer requested	38	38	100.0%	0	0.0%	0	0.0%	0	0.0%
Reconditioned / re-serviced	548	544	99.3%	4	0.7%	0	0.0%	0	0.0%
Random tests	3	3	100.0%	0	0.0%	0	0.0%	0	0.0%
Periodic tests	22	22	100.0%	0	0.0%	0	0.0%	0	0.0%
Special - interchange / large customer	0	0	N/A	0	N/A	0	N/A	0	N/A
Automated energy services tests	56	56	100.0%	0	0.0%	0	0.0%	0	0.0%
Low Consumption (internal request)	0	0	N/A	0	N/A	0	N/A	0	N/A
Tamper suspected	0	0	N/A	0	N/A	0	N/A	0	N/A
Manufacturer defect	0	0	N/A	0	N/A	0	N/A	0	N/A
Dead register	80	80	100.0%	0	0.0%	0	0.0%	0	0.0%
Older vintaged meter test	<u>0</u>	<u>0</u>	<u>N/A</u>	<u>0</u>	<u>N/A</u>	<u>0</u>	<u>N/A</u>	<u>0</u>	<u>N/A</u>
Company request / field check	<u>2</u>	<u>2</u>	<u>100.0%</u>	<u>0</u>	<u>0.0%</u>	<u>0</u>	<u>0.0%</u>	<u>0</u>	<u>0.0%</u>
2011 Electric Meter Totals:	964	960	99.6%	4	0.4%	0	0.0%	0	0.0%

¹ Meters that test within acceptable tolerance have an average error within plus or minus 2% of accurate

² Meters that test slow (under measuring) have an average error lower than -2% of accurate

³ Meters that test fast (over measuring) have an average error higher than +2% of accurate

**Xcel Energy - State of North Dakota
Natural Gas Meter Testing
Summary of 2011 Results**

Meter Test Group

Residential (capacity < 400 cubic ft/hr)	399
Small C&I (capacity 400 - 999 cubic ft/hr)	66
Large C&I (capacity > 999 cubic ft/hr)	<u>115</u>
Natural Gas Meter Totals	580

Meters #	Acceptable ¹		Slow ²		Fast ³		No Register	
	#	%	#	%	#	%	#	%
399	389	97.5%	2	0.5%	8	2.01%	0	0.0%
66	57	86.4%	6	9.1%	3	4.55%	0	0.0%
<u>115</u>	<u>113</u>	<u>98.3%</u>	<u>1</u>	<u>0.9%</u>	<u>1</u>	<u>0.87%</u>	<u>0</u>	<u>0.0%</u>
580	559	96.4%	9	1.6%	12	2.07%	0	0.0%

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

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