



2302 Great N. Drive
Fargo, North Dakota 58402
701-241-8632
dave.sederquist@xcelenergy.com

April 4, 2014



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: 2013 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, an Xcel Energy company with operations in North Dakota, encloses summary results of the 2013 testing of the Company's North Dakota electric and natural gas meters.

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

Sincerely,

DAVID SEDERQUIST
SR. REGULATORY CONSULTANT

Enclosures

- 1 PU-14-160 Filed 04/07/2014 Pages: 3
2013 North Dakota Electric and Natural Gas Meter Test Report
Northern States Power Company
David Sederquist
- 1 PU-14-159 Filed 04/07/2014 Pages: 3
2013 North Dakota Electric and Natural Gas Meter Test Report
Northern States Power Company
David Sederquist

**Xcel Energy - State of North Dakota
Electric Meter Testing
Summary of 2013 Results**

Meter Test Group	Meters	Acceptable¹		Slow²		Fast³		No Register	
	#	#	%	#	%	#	%	#	%
New receipted meters	63	63	100.0%	0	0.0%	0	0.0%	0	0.0%
Customer requested	61	61	100.0%	0	0.0%	0	0.0%	0	0.0%
Reconditioned / re-serviced	520	517	99.4%	1	0.2%	0	0.0%	2	0.4%
Random tests	7	7	100.0%	0	0.0%	0	0.0%	0	0.0%
Periodic tests	20	20	100.0%	0	0.0%	0	0.0%	0	0.0%
Automated metering services	50	50	100.0%	0	0.0%	0	0.0%	1	2.0%
Low consumption (Call Center request)	0	0		0		0		0	
Tamper suspected	2	2	100.0%	0	0.0%	0	0.0%	0	0.0%
Manufacturer defect (repaired)	0	0		0		0		0	
"Dead" register	28	27	96.4%	1	3.6%	0	0.0%	0	0.0%
Older vintaged meter	0	0		0		0		0	
Company request / field check	3	3	100.0%	0	0.0%	0	0.0%	0	0.0%
Electric Meter Totals:	754	750	99.5%	2	0.3%	0	0.0%	3	0.4%

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 2013 Results**

Meter Test Group

Residential (capacity < 400 cubic ft/hr) 308
 Small C&I (capacity 400 - 999 cubic ft/hr) 64
 Large C&I (capacity > 999 cubic ft/hr) 120
Natural Gas Meter Totals 492

Meters	Acceptable ¹		Slow ²		Fast ³		No Register	
	#	%	#	%	#	%	#	%
Residential (capacity < 400 cubic ft/hr)	297	96.4%	8	2.6%	3	1.0%	0	0.0%
Small C&I (capacity 400 - 999 cubic ft/hr)	54	84.4%	9	14.1%	1	1.6%	0	0.0%
Large C&I (capacity > 999 cubic ft/hr)	<u>116</u>	<u>96.7%</u>	<u>3</u>	<u>2.5%</u>	<u>1</u>	<u>0.8%</u>	<u>0</u>	<u>0.0%</u>
Natural Gas Meter Totals	467	94.9%	20	4.1%	5	1.0%	0	0.0%

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 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