



2302 Great N. Drive
Fargo, North Dakota 58402

RECEIVED

March 24, 2011

MAR 24 2011

VIA ELECTRONIC
AND U.S. MAIL

PUBLIC SERVICE COMMISSION

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

Re: 2010 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 2010.

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

Sincerely,

DAVID SEDERQUIST
SR. REGULATORY CONSULTANT

Enclosures

**Xcel Energy - State of North Dakota
Electric Meter Testing
Summary of 2010 Results**

Test Category	Meters		Acceptable ¹		Slow ²		Fast ³		No Register	
	#	%	#	%	#	%	#	%	#	%
New received meters	50	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Customer requested	37	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Reconditioned / re-serviced	499	99.6%	2	0.4%	0	0.0%	0	0.0%	0	0.0%
Random tests	12	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Periodic tests	49	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Special - interchange / large customer	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Automated energy services tests	67	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Low Consumption (internal request)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Tamper suspected	1	0.0%	1	100.0%	0	0.0%	0	0.0%	0	0.0%
Manufacturer defect	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Potential dead register	31	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Older vintaged meter test	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A
2010 Electric Meter Totals:	746	99.6%	3	0.4%	0	0.0%	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 2010 Results**

Meter Test Group	Meters		Acceptable¹		Slow²		Fast³		No Register	
	#	%	#	%	#	%	#	%	#	%
Residential (capacity < 400 cubic ft/hr)	369	96.5%	10	2.7%	3	0.81%	0	0.0%	0	0.0%
Small C&I (capacity 400 - 999 cubic ft/hr)	66	97.0%	2	3.0%	0	0.00%	0	0.0%	0	0.0%
Large C&I (capacity > 999 cubic ft/hr)	166	88.0%	5	3.0%	15	9.04%	0	0.0%	0	0.0%
Natural Gas Meter Totals	601	94.2%	17	2.8%	18	3.00%	0	0.0%	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