



2302 Great Northern Drive  
P O Box 2747  
Fargo, ND 58108-2747  
(701) 241-8632  
dave.sederquist@xcelenergy.com

March 28, 2008

Illona A. Jeffcoat-Sacco, Executive Secretary  
North Dakota Public Service Commission  
State Capitol Building, Dept. 408  
600 East Boulevard  
Bismarck, ND 58505-0480

**RECEIVED**

**MAR 31 2008**

**PUBLIC SERVICE COMMISSION**

RE: 2007 North Dakota Electric and Natural Gas Meter Test Summary Reports

Dear Ms. Jeffcoat-Sacco:

In accordance with sections 69.09.01.16 and 69.09.02.28 of the North Dakota Administrative Code, enclosed are summary reports for Northern States Power Company's (d/b/a Xcel Energy) 2007 calendar year electric and natural gas meter testing results in North Dakota.

Please call or email me if you have any questions.

Sincerely,

David H. Sederquist  
Sr. Consultant, Regulation & Finance  
Xcel Energy

Enclosures

**Xcel Energy - North Dakota  
Gas Meter Testing  
Summary of 2007 Results**

**Meters with a capacity less than 400 Cubic feet per hour (CFH)  
(Residential size meters)**

	<u>#</u>	<u>%</u>
Total Number of Meters Tested.....	550	
Meters Tested Within Tolerance <sup>1</sup> .....	536	97.5%
Meters Tested Slow <sup>2</sup> .....	5	0.9%
Meters Tested Fast <sup>3</sup> .....	9	1.6%

**Meters with a capacity of 400 CFH through 999 CFH  
(Small commercial size meters)**

	<u>#</u>	<u>%</u>
Total Number of Meters Tested.....	77	
Meters Tested Within Tolerance <sup>1</sup> .....	70	90.9%
Meters Tested Slow <sup>2</sup> .....	6	7.8%
Meters Tested Fast <sup>3</sup> .....	1	1.3%

**Meters with a capacity greater than 999 CFH  
(Large commercial/industrial size meters)**

	<u>#</u>	<u>%</u>
Total Number of Meters Tested.....	139	
Meters Tested Within Tolerance <sup>1</sup> .....	134	96.4%
Meters Tested Slow <sup>2</sup> .....	3	2.2%
Meters Tested Fast <sup>3</sup> .....	2	1.4%

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

<sup>1</sup> Meters that test within tolerance have an average error within plus or minus 2% of accurate

<sup>2</sup> Meters that test slow (undermeasuring), have an average error greater than minus 2% of accurate

<sup>3</sup> Meters that test fast (overmeasuring), have an average error greater than plus 2% of accurate