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PUBLIC SERVICE COMMISSION

October 31, 2008

Jerry Lein, Public Utilities Analyst
North Dakota Public Service Commission
State Capitol Building, Dept. 408
600 East Boulevard
Bismarck, ND 58505-0480

SUBJECT: Xcel Energy Reliability Performance Results Report

Dear Mr. Lein:

In accordance with the North Dakota Public Service Commission's ("Commission") request following its investigation of the Gateway Substation outage in February 2007 (Case No. PU-07-66), enclosed please find the 2007 North Dakota electric system reliability results and 2008 reliability plans for Northern States Power Company, a Minnesota corporation, ("Xcel Energy" or the "Company").

The information was inadvertently left out of the Company's 2007 Annual Report of regulated earnings filed on May 13, 2008. In the future, this information will be submitted annually in the May Annual Report.

Please call me if you have any questions about the information. Thank you.

Sincerely,

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

3 **PU-09-712** Filed: 11/3/2008 Pages: 4
Electric System Reliability Results for 2007 and Reliability Plans for 2008

Northern States Power Company

3 **PU-08-211** Filed: 11/3/2008 Pages: 4
Electric System Reliability Results for 2007 and Reliability Plans for 2008

Northern States Power Company

**Xcel Energy
Electric Utility - State of North Dakota
Reliability Performance Measure Results - Overall ND System
2007 Results**

System Average Interruption Frequency Index (SAIFI)

(Average # of interruptions per customer)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2007 YTD	0.01	0.12	0.20	0.24	0.30	0.39	0.46	0.57	0.60	0.70	0.83	0.89
2006 YTD	0.03	0.13	0.20	0.22	0.27	0.35	0.47	0.52	0.57	0.59	0.61	0.62
2005 YTD	0.01	0.02	0.03	0.06	0.17	0.29	0.41	0.56	0.66	0.70	0.80	0.83
2004 YTD	0.02	0.09	0.12	0.17	0.31	0.39	0.55	0.60	0.74	0.80	0.82	0.90
2003 YTD	0.01	0.02	0.03	0.20	0.27	0.30	0.38	0.46	0.58	0.77	0.84	0.94
5 year average:												0.84

Customer Average Interruption Duration Index (CAIDI)

(Average # of minutes per interruption per customer)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2007 YTD	79.2	110.9	106.5	102.8	94.1	97.6	93.8	91.9	93.1	85.4	77.6	77.6
2006 YTD	88.3	55.2	68.1	67.3	68.8	69.3	74.4	76.1	75.1	76.7	76.6	76.9
2005 YTD	162.3	177.3	136.7	98.1	93.3	86.3	85.1	87.3	89.8	89.0	98.6	101.3
2004 YTD	109.7	70.9	93.8	92.3	92.5	84.5	74.0	73.7	83.1	90.6	91.2	92.0
2003 YTD	51.3	81.8	82.0	64.0	61.5	63.5	69.0	71.5	69.4	55.5	53.9	54.7
5 year average:												80.5

Note: Data includes only interruptions longer than 5 minutes in duration. Data is storm-normalized.

Xcel Energy
Electric Utility - State of North Dakota
Reliability Performance Measure Results - 5 Largest Substations
2007 Results

System Average Interruption Frequency Index (SAIFI)
(Average # of interruptions per customer)

	Cass County		Red River		Gateway		Nordic		Souris	
	Sub (Fgo)	Sub (Fgo)	Sub (Fgo)	Sub (Fgo)	Sub (GF)	Sub (GF)	Sub (GF)	Sub (GF)	Sub (Minot)	Sub (Minot)
2007	0.29	1.12	2.36	0.72	0.25	0.37	0.42	0.49	0.66	0.47
2006	0.36	0.60	1.51	0.42	0.35	0.77	0.43	0.55		
2005	1.71	0.96	0.20	0.35	0.77	0.43	0.55			
2004	0.96	1.07	0.60	0.77	0.43	0.55				
2003	1.77	1.24	0.51	0.43	0.55					
5 year average:	1.02	1.00	1.04	0.43	0.55					

Customer Average Interruption Duration Index (CAIDI)
(Average # of minutes per interruption per customer)

	Cass County		Red River		Gateway		Nordic		Souris	
	Sub (Fgo)	Sub (Fgo)	Sub (Fgo)	Sub (Fgo)	Sub (GF)	Sub (GF)	Sub (GF)	Sub (GF)	Sub (Minot)	Sub (Minot)
2007	126.3	78.0	76.2	63.4	96.5	68.8	69.8	74.0	68.6	68.9
2006	123.4	91.5	50.5	68.8	96.4	68.8	69.8	74.0	68.6	68.9
2005	121.2	97.9	71.2	69.8	139.6	74.0	68.6	68.9		
2004	88.2	107.2	61.2	68.6	71.8	68.9	68.9			
2003	21.4	68.9	56.4	68.9	63.1	93.4				
5 year average:	96.1	88.7	63.1	93.4						

Note: Data includes only interruptions longer than 5 minutes in duration. Data is storm-normalized.

Xcel Energy
Electric Utility – State of North Dakota
2008 Reliability Plan Summary

Underground Cable Upgrade - \$1,361,000

Xcel Energy plans to spend close to \$1,361,000 upgrading its underground cable system in North Dakota. These improvements include replacing cables that have failed and are not fit to be repaired and returned to service. Included in this effort are cables that have experienced multiple failures in the past but for which repairs still present a viable remedy. Projects will also involve the installation of additional backbone system capacity to serve new load or relieve load on existing facilities.

Overhead Upgrade - \$718,000

Xcel Energy plans to spend about \$718,000 upgrading its overhead system in North Dakota. These improvements include replacing failed devices, installing upgrades necessary to the backbone system to serve new customers, and installing upgrades necessary to solve reliability issues. Included in this effort is funding for our Reliability Exception Monitoring System ("REMS") program. This program initiates an investigation by flagging when a device has tripped more than twice in a rolling 12 month period. Following the investigation, corrective actions are identified where appropriate.

Distribution Pole Testing - \$80,000

Xcel Energy intends to spend about \$80,000 testing and replacing wood distribution poles in North Dakota. The testing methodology conforms to a scientific procedure that is utilized throughout the industry. It includes a visual check and test of remaining pole strength. If a pole is identified as having strength characteristics outside of acceptable standards, the pole is scheduled for replacement or reinforcement.