

2302 Great N. Drive
Fargo, North Dakota 58102
(701) 241-8632
dave.sederquist@xcelenergy.com

January 23, 2020

VIA U. S. AND ELECTRONIC MAIL

Mr. Steven M. Kahl, Executive Secretary
North Dakota Public Service Commission
State Capitol Building, Dept. 0408
600 East Boulevard
Bismarck, ND 58505-0480

RE: PRODUCTION TAX CREDIT NORMALIZATION
CASE NO. PU-19-329

Dear Mr. Kahl:

Northern States Power Company, doing business as Xcel Energy, respectfully submits the attached information showing the billing impacts of the various PTC ratemaking treatments being considered by the Commission in the above referenced case.

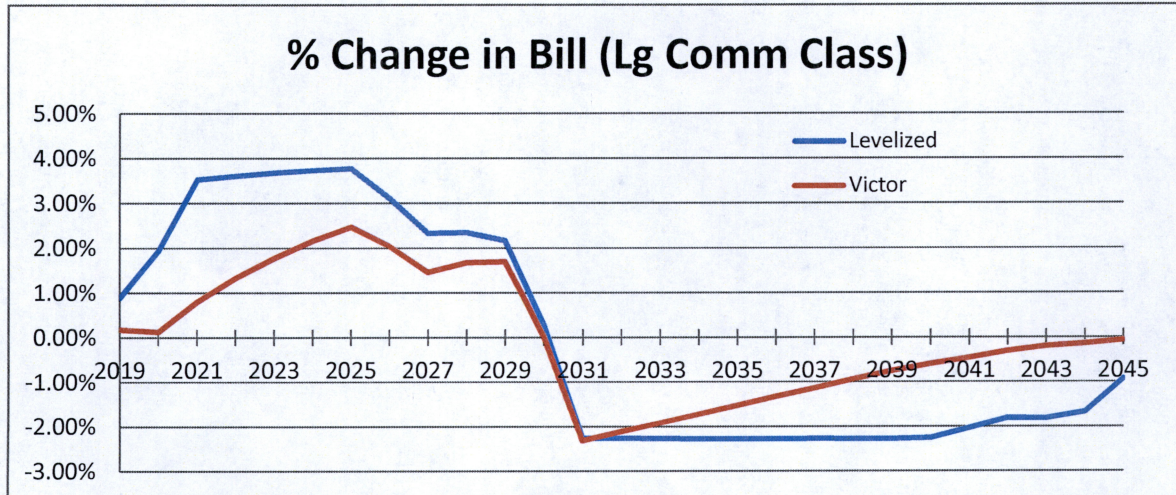
With respect to the Commission's concerns about the near-term billing impacts for different customer classes, the Levelized Credit Method would result in the following impacts compared to the current (standard) PTC treatment:

Class	Typical Bill	2020 Impact	% Chg	2025 Impact	% Chg
Residential	\$80.00	\$1.29	1.6%	\$2.48	3.1%
Sm Commercial	\$146.00	\$2.58	1.8%	\$4.97	3.4%
Lg Commercial	\$3,510.00	\$68.92	1.9%	\$132.44	3.8%

The near-term bill impacts of the Victor Method of normalization compared to the standard PTC treatment is shown below:

Class	Typical Bill	2020 Impact	% Chg	2025 Impact	% Chg
Residential	\$80.00	\$0.09	0.1%	\$1.63	2.0%
Sm Commercial	\$146.00	\$0.17	0.1%	\$3.25	2.2%
Lg Commercial	\$3,510.00	\$4.56	0.1%	\$86.72	2.5%

The 2025 bill impacts reflect the highest impact modeled over the 25 years for both methods. In 2031, both methods will begin to show roughly a 2% decrease in the bill. This percent decrease remains fairly constant over time for the Levelized Credit Method, while the bill decrease from the Victor Method gradually diminishes over time as represented in the Large Commercial customer chart below (this pattern is similar for the residential and small commercial classes):



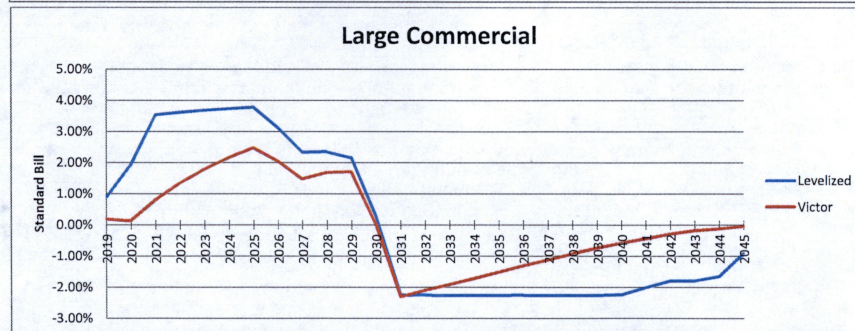
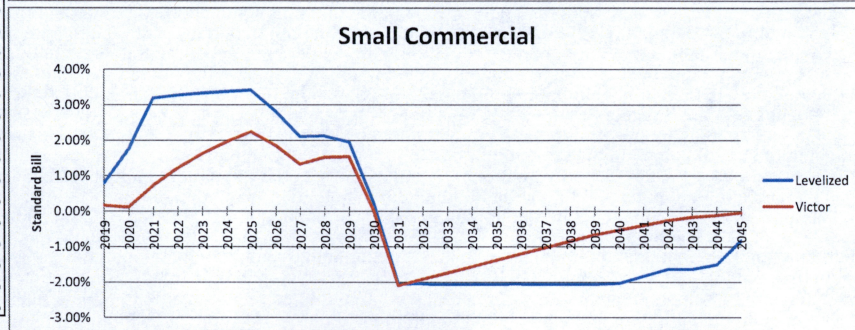
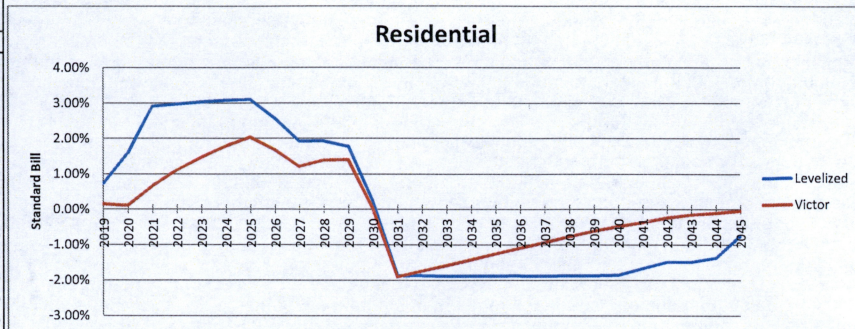
Please feel free to contact me at (701) 241-8632 or dave.sederquist@xcelenergy.com should you have any questions about the attached analysis.

Sincerely,

David H. Sederquist
Sr. Regulatory/Financial Consultant
Xcel Energy

**% Change in Typical Bill for Each PTC Normalization Method
Shown by Customer Class**

Year	% Change from Standard PTC Method Bill					
	Residential		Small Commercial		Large Commercial	
	Levelized	Victor	Levelized	Victor	Levelized	Victor
2019	0.73%	0.15%	0.80%	0.17%	0.89%	0.19%
2020	1.59%	0.11%	1.75%	0.12%	1.93%	0.13%
2021	2.91%	0.66%	3.20%	0.72%	3.53%	0.80%
2022	2.97%	1.10%	3.27%	1.21%	3.61%	1.34%
2023	3.03%	1.46%	3.33%	1.61%	3.68%	1.78%
2024	3.07%	1.78%	3.38%	1.96%	3.73%	2.16%
2025	3.10%	2.03%	3.41%	2.23%	3.77%	2.47%
2026	2.57%	1.68%	2.82%	1.85%	3.12%	2.04%
2027	1.92%	1.21%	2.11%	1.33%	2.33%	1.47%
2028	1.93%	1.38%	2.13%	1.52%	2.35%	1.68%
2029	1.79%	1.40%	1.96%	1.54%	2.17%	1.70%
2030	0.23%	0.02%	0.26%	0.02%	0.28%	0.03%
2031	-1.87%	-1.92%	-2.05%	-2.10%	-2.26%	-2.31%
2032	-1.87%	-1.75%	-2.05%	-1.92%	-2.26%	-2.11%
2033	-1.88%	-1.59%	-2.06%	-1.74%	-2.27%	-1.92%
2034	-1.88%	-1.43%	-2.06%	-1.57%	-2.27%	-1.72%
2035	-1.88%	-1.27%	-2.06%	-1.39%	-2.27%	-1.53%
2036	-1.88%	-1.10%	-2.06%	-1.20%	-2.27%	-1.33%
2037	-1.88%	-0.94%	-2.06%	-1.03%	-2.27%	-1.13%
2038	-1.88%	-0.77%	-2.06%	-0.85%	-2.27%	-0.94%
2039	-1.88%	-0.62%	-2.06%	-0.68%	-2.27%	-0.75%
2040	-1.86%	-0.49%	-2.04%	-0.54%	-2.25%	-0.59%
2041	-1.68%	-0.37%	-1.84%	-0.41%	-2.03%	-0.45%
2042	-1.49%	-0.25%	-1.64%	-0.27%	-1.81%	-0.30%
2043	-1.49%	-0.16%	-1.64%	-0.17%	-1.81%	-0.19%
2044	-1.37%	-0.11%	-1.51%	-0.12%	-1.67%	-0.13%
2045	-0.76%	-0.05%	-0.84%	-0.05%	-0.92%	-0.06%



Total Typical Bill By Customer Class and PTC Method											
Year	Residential			Year	Small Commerical			Year	Large Commercial		
	Standard	Levelized	Victor		Standard	Levelized	Victor		Standard	Levelized	Victor
2019	\$80.07	\$80.65	\$80.19	2019	\$145.64	\$146.81	\$145.88	2019	\$3,511.55	\$3,542.67	\$3,518.07
2020	\$81.06	\$82.35	\$81.15	2020	\$147.62	\$150.21	\$147.80	2020	\$3,564.47	\$3,633.39	\$3,569.03
2021	\$81.46	\$83.83	\$82.00	2021	\$148.42	\$153.16	\$149.49	2021	\$3,585.71	\$3,712.19	\$3,614.27
2022	\$80.99	\$83.39	\$81.88	2022	\$147.47	\$152.29	\$149.26	2022	\$3,560.43	\$3,688.87	\$3,607.99
2023	\$80.65	\$83.10	\$81.84	2023	\$146.81	\$151.70	\$149.17	2023	\$3,542.75	\$3,673.15	\$3,605.75
2024	\$80.42	\$82.89	\$81.85	2024	\$146.34	\$151.28	\$149.20	2024	\$3,530.27	\$3,661.99	\$3,606.59
2025	\$80.03	\$82.51	\$81.65	2025	\$145.55	\$150.52	\$148.80	2025	\$3,509.23	\$3,641.67	\$3,595.95
2026	\$80.29	\$82.35	\$81.64	2026	\$146.07	\$150.19	\$148.77	2026	\$3,523.03	\$3,632.95	\$3,595.07
2027	\$80.69	\$82.24	\$81.67	2027	\$146.88	\$149.98	\$148.83	2027	\$3,544.67	\$3,627.39	\$3,596.63
2028	\$80.58	\$82.14	\$81.70	2028	\$146.67	\$149.78	\$148.90	2028	\$3,538.95	\$3,622.07	\$3,598.43
2029	\$80.62	\$82.06	\$81.75	2029	\$146.74	\$149.61	\$149.00	2029	\$3,540.79	\$3,617.55	\$3,601.03
2030	\$81.76	\$81.95	\$81.77	2030	\$149.01	\$149.39	\$149.05	2030	\$3,601.51	\$3,611.67	\$3,602.47
2031	\$83.39	\$81.83	\$81.80	2031	\$152.29	\$149.16	\$149.09	2031	\$3,688.87	\$3,605.51	\$3,603.63
2032	\$83.27	\$81.71	\$81.81	2032	\$152.04	\$148.92	\$149.13	2032	\$3,682.23	\$3,599.11	\$3,604.55
2033	\$83.17	\$81.61	\$81.85	2033	\$151.84	\$148.71	\$149.19	2033	\$3,676.95	\$3,593.51	\$3,606.31
2034	\$83.06	\$81.49	\$81.87	2034	\$151.62	\$148.49	\$149.24	2034	\$3,670.95	\$3,587.51	\$3,607.63
2035	\$82.94	\$81.38	\$81.89	2035	\$151.38	\$148.25	\$149.28	2035	\$3,664.55	\$3,581.27	\$3,608.59
2036	\$82.81	\$81.26	\$81.90	2036	\$151.12	\$148.01	\$149.30	2036	\$3,657.75	\$3,574.87	\$3,609.23
2037	\$82.71	\$81.15	\$81.93	2037	\$150.91	\$147.80	\$149.36	2037	\$3,652.19	\$3,569.15	\$3,610.79
2038	\$82.59	\$81.04	\$81.95	2038	\$150.68	\$147.57	\$149.40	2038	\$3,645.99	\$3,563.11	\$3,611.87
2039	\$82.27	\$80.72	\$81.76	2039	\$150.03	\$146.94	\$149.01	2039	\$3,628.67	\$3,546.15	\$3,601.55
2040	\$82.00	\$80.48	\$81.60	2040	\$149.51	\$146.45	\$148.70	2040	\$3,614.67	\$3,533.27	\$3,593.27
2041	\$81.85	\$80.48	\$81.54	2041	\$149.19	\$146.45	\$148.58	2041	\$3,606.31	\$3,533.19	\$3,589.99
2042	\$81.53	\$80.32	\$81.33	2042	\$148.57	\$146.13	\$148.16	2042	\$3,589.59	\$3,524.63	\$3,578.87
2043	\$80.90	\$79.70	\$80.78	2043	\$147.31	\$144.89	\$147.05	2043	\$3,556.07	\$3,491.63	\$3,549.23
2044	\$80.65	\$79.54	\$80.56	2044	\$146.79	\$144.58	\$146.61	2044	\$3,542.23	\$3,483.19	\$3,537.51
2045	\$80.32	\$79.71	\$80.28	2045	\$146.15	\$144.92	\$146.07	2045	\$3,525.07	\$3,492.47	\$3,522.99

Standard PTC Treatment

Year	Standard Mthd Rev Regs	MWh Sales Forecast ²	a Est. Standard Mthd RER Rate	Impact of RER on Bills by Customer Class			(b+(a*750) (c+(a*1500) (d+(a*40000) Typical Bill by Customer Class		
				Residential	Small Comm.	Large Comm.	Residential	Small Comm.	Large Comm.
				Bill Impct ³	Bill Impct ⁴	Bill Impct ⁵	Standard Bill ³	Standard Bill ⁴	Standard Bill ⁵
2019	\$1,876,866	2,249,586	0.000834	\$0.63	\$1.25	\$33.36	\$80.07	\$145.64	\$3,511.55
2020	\$4,816,713	2,233,428	0.002157	\$1.62	\$3.24	\$86.28	\$81.06	\$147.62	\$3,564.47
2021	\$5,972,535	2,222,085	0.002688	\$2.02	\$4.03	\$107.52	\$81.46	\$148.42	\$3,585.71
2022	\$4,558,472	2,217,526	0.002056	\$1.54	\$3.08	\$82.24	\$80.99	\$147.47	\$3,560.43
2023	\$3,578,276	2,216,450	0.001614	\$1.21	\$2.42	\$64.56	\$80.65	\$146.81	\$3,542.75
2024	\$2,888,494	2,217,724	0.001302	\$0.98	\$1.95	\$52.08	\$80.42	\$146.34	\$3,530.27
2025	\$1,710,028	2,204,908	0.000776	\$0.58	\$1.16	\$31.04	\$80.03	\$145.55	\$3,509.23
2026	\$2,464,307	2,198,499	0.001121	\$0.84	\$1.68	\$44.84	\$80.29	\$146.07	\$3,523.03
2027	\$3,644,204	2,192,973	0.001662	\$1.25	\$2.49	\$66.48	\$80.69	\$146.88	\$3,544.67
2028	\$3,318,200	2,183,938	0.001519	\$1.14	\$2.28	\$60.76	\$80.58	\$146.67	\$3,538.95
2029	\$3,381,753	2,160,992	0.001565	\$1.17	\$2.35	\$62.60	\$80.62	\$146.74	\$3,540.79
2030	\$6,655,101	2,158,326	0.003083	\$2.31	\$4.62	\$123.32	\$81.76	\$149.01	\$3,601.51
2031	\$11,379,787	2,160,510	0.005267	\$3.95	\$7.90	\$210.68	\$83.39	\$152.29	\$3,688.87
2032	\$11,053,382	2,166,989	0.005101	\$3.83	\$7.65	\$204.04	\$83.27	\$152.04	\$3,682.23
2033	\$10,729,427	2,159,360	0.004969	\$3.73	\$7.45	\$198.76	\$83.17	\$151.84	\$3,676.95
2034	\$10,404,331	2,159,044	0.004819	\$3.61	\$7.23	\$192.76	\$83.06	\$151.62	\$3,670.95
2035	\$10,078,356	2,163,206	0.004659	\$3.49	\$6.99	\$186.36	\$82.94	\$151.38	\$3,664.55
2036	\$9,756,039	2,173,461	0.004489	\$3.37	\$6.73	\$179.56	\$82.81	\$151.12	\$3,657.75
2037	\$9,437,211	2,169,709	0.004350	\$3.26	\$6.53	\$174.00	\$82.71	\$150.91	\$3,652.19
2038	\$9,118,582	2,173,739	0.004195	\$3.15	\$6.29	\$167.80	\$82.59	\$150.68	\$3,645.99
2039	\$8,210,787	2,182,590	0.003762	\$2.82	\$5.64	\$150.48	\$82.27	\$150.03	\$3,628.67
2040	\$7,497,455	2,197,659	0.003412	\$2.56	\$5.12	\$136.48	\$82.00	\$149.51	\$3,614.67
2041	\$7,049,543	2,201,013	0.003203	\$2.40	\$4.80	\$128.12	\$81.85	\$149.19	\$3,606.31
2042	\$6,163,285	2,213,211	0.002785	\$2.09	\$4.18	\$111.40	\$81.53	\$148.57	\$3,589.59
2043	\$4,343,610	2,231,304	0.001947	\$1.46	\$2.92	\$77.88	\$80.90	\$147.31	\$3,556.07
2044	\$3,610,746	2,255,480	0.001601	\$1.20	\$2.40	\$64.04	\$80.65	\$146.79	\$3,542.23
2045	\$2,656,404	2,266,626	0.001172	\$0.88	\$1.76	\$46.88	\$80.32	\$146.15	\$3,525.07
Total	166,353,896								

³ The residential customer notice assumes an approximate usage of 750 kWh per month for non-space heating customers

⁴ The small commercial customer notice assumes an approximate usage of 1500 kWh per month.

⁵ The large commercial customer notice assumes an approximate usage of 40,000 kWh per month.

Estimated Other Charges for Customer Bill

Usage (kWh)	Other Charges	
750	\$79.44	b
1500	\$144.39	c
40000	\$3,478.19	d

Levelized Credit Method

Year	Levelized Mthd Rev Reqs	MWh Sales Forecast ²	a RER Rate	Impact of RER on Bills by Customer Class			(b+(a*750) (c+(a*1500) (d+(a*40000)) Typical Bill - Levelized Credit Mthd			Difference From Standard PTC			% Difference		
				Residential	Small Comm.	Large Comm.	Res'l	Sm Comm	Lg Comm	Res'l	Sm Comm	Lg Comm	Res'l	Sm Comm	Lg Comm
				Bill Impct ³	Bill Impct ⁴	Bill Impct ⁵	Standard Bill	Standard Bill	Standard Bill	\$ Diff	\$ Diff	\$ Diff	% Diff	% Diff	% Diff
2019	\$3,627,257	2,249,586	0.001612	\$1.21	\$2.42	\$64.48	\$80.65	\$146.81	\$3,542.67	\$0.58	\$1.17	\$31.12	0.73%	0.80%	0.89%
2020	\$8,665,226	2,233,428	0.003880	\$2.91	\$5.82	\$155.20	\$82.35	\$150.21	\$3,633.39	\$1.29	\$2.58	\$68.92	1.59%	1.75%	1.93%
2021	\$12,998,606	2,222,085	0.005850	\$4.39	\$8.78	\$234.00	\$83.83	\$153.16	\$3,712.19	\$2.37	\$4.74	\$126.48	2.91%	3.20%	3.53%
2022	\$11,679,857	2,217,526	0.005267	\$3.95	\$7.90	\$210.68	\$83.39	\$152.29	\$3,688.87	\$2.41	\$4.82	\$128.44	2.97%	3.27%	3.61%
2023	\$10,802,424	2,216,450	0.004874	\$3.66	\$7.31	\$194.96	\$83.10	\$151.70	\$3,673.15	\$2.45	\$4.89	\$130.40	3.03%	3.33%	3.68%
2024	\$10,190,439	2,217,724	0.004595	\$3.45	\$6.89	\$183.80	\$82.89	\$151.28	\$3,661.99	\$2.47	\$4.94	\$131.72	3.07%	3.38%	3.73%
2025	\$9,011,972	2,204,908	0.004087	\$3.07	\$6.13	\$163.48	\$82.51	\$150.52	\$3,641.67	\$2.48	\$4.97	\$132.44	3.10%	3.41%	3.77%
2026	\$8,506,813	2,198,499	0.003869	\$2.90	\$5.80	\$154.76	\$82.35	\$150.19	\$3,632.95	\$2.06	\$4.12	\$109.92	2.57%	2.82%	3.12%
2027	\$8,180,548	2,192,973	0.003730	\$2.80	\$5.60	\$149.20	\$82.24	\$149.98	\$3,627.39	\$1.55	\$3.10	\$82.72	1.92%	2.11%	2.33%
2028	\$7,854,544	2,183,938	0.003597	\$2.70	\$5.40	\$143.88	\$82.14	\$149.78	\$3,622.07	\$1.56	\$3.12	\$83.12	1.93%	2.13%	2.35%
2029	\$7,528,705	2,160,992	0.003484	\$2.61	\$5.23	\$139.36	\$82.06	\$149.61	\$3,617.55	\$1.44	\$2.88	\$76.76	1.79%	1.96%	2.17%
2030	\$7,203,051	2,158,326	0.003337	\$2.50	\$5.01	\$133.48	\$81.95	\$149.39	\$3,611.67	\$0.19	\$0.38	\$10.16	0.23%	0.26%	0.28%
2031	\$6,876,613	2,160,510	0.003183	\$2.39	\$4.77	\$127.32	\$81.83	\$149.16	\$3,605.51	(\$1.56)	(\$3.13)	(\$83.36)	-1.87%	-2.05%	-2.26%
2032	\$6,550,208	2,166,989	0.003023	\$2.27	\$4.53	\$120.92	\$81.71	\$148.92	\$3,599.11	(\$1.56)	(\$3.12)	(\$83.12)	-1.87%	-2.05%	-2.26%
2033	\$6,226,253	2,159,360	0.002883	\$2.16	\$4.32	\$115.32	\$81.61	\$148.71	\$3,593.51	(\$1.56)	(\$3.13)	(\$83.44)	-1.88%	-2.06%	-2.27%
2034	\$5,901,157	2,159,044	0.002733	\$2.05	\$4.10	\$109.32	\$81.49	\$148.49	\$3,587.51	(\$1.56)	(\$3.13)	(\$83.44)	-1.88%	-2.06%	-2.27%
2035	\$5,575,182	2,163,206	0.002577	\$1.93	\$3.87	\$103.08	\$81.38	\$148.25	\$3,581.27	(\$1.56)	(\$3.12)	(\$83.28)	-1.88%	-2.06%	-2.27%
2036	\$5,252,865	2,173,461	0.002417	\$1.81	\$3.63	\$96.68	\$81.26	\$148.01	\$3,574.87	(\$1.55)	(\$3.11)	(\$82.88)	-1.88%	-2.06%	-2.27%
2037	\$4,934,037	2,169,709	0.002274	\$1.71	\$3.41	\$90.96	\$81.15	\$147.80	\$3,569.15	(\$1.56)	(\$3.11)	(\$83.04)	-1.88%	-2.06%	-2.27%
2038	\$4,615,408	2,173,739	0.002123	\$1.59	\$3.18	\$84.92	\$81.04	\$147.57	\$3,563.11	(\$1.55)	(\$3.11)	(\$82.88)	-1.88%	-2.06%	-2.27%
2039	\$3,707,612	2,182,590	0.001699	\$1.27	\$2.55	\$67.96	\$80.72	\$146.94	\$3,546.15	(\$1.55)	(\$3.09)	(\$82.52)	-1.88%	-2.06%	-2.27%
2040	\$3,027,136	2,197,659	0.001377	\$1.03	\$2.07	\$55.08	\$80.48	\$146.45	\$3,533.27	(\$1.53)	(\$3.05)	(\$81.40)	-1.86%	-2.04%	-2.25%
2041	\$3,026,610	2,201,013	0.001375	\$1.03	\$2.06	\$55.00	\$80.48	\$146.45	\$3,533.19	(\$1.37)	(\$2.74)	(\$73.12)	-1.68%	-1.84%	-2.03%
2042	\$2,570,212	2,213,211	0.001161	\$0.87	\$1.74	\$46.44	\$80.32	\$146.13	\$3,524.63	(\$1.22)	(\$2.44)	(\$64.96)	-1.49%	-1.64%	-1.81%
2043	\$750,536	2,231,304	0.000336	\$0.25	\$0.50	\$13.44	\$79.70	\$144.89	\$3,491.63	(\$1.21)	(\$2.42)	(\$64.44)	-1.49%	-1.64%	-1.81%
2044	\$281,001	2,255,480	0.000125	\$0.09	\$0.19	\$5.00	\$79.54	\$144.58	\$3,483.19	(\$1.11)	(\$2.21)	(\$59.04)	-1.37%	-1.51%	-1.67%
2045	\$809,625	2,266,626	0.000357	\$0.27	\$0.54	\$14.28	\$79.71	\$144.92	\$3,492.47	(\$0.61)	(\$1.22)	(\$32.60)	-0.76%	-0.84%	-0.92%
Total	166,353,896														

³ The residential customer notice assumes an approximate usage of 750 kWh per month for non-space heating customers

⁴ The small commercial customer notice assumes an approximate usage of 1500 kWh per month.

⁵ The large commercial customer notice assumes an approximate usage of 40,000 kWh per month.

Estimated Other Charges for Customer Bill

Usage (kWh)	Other Charges	
750	\$79.44	b
1500	\$144.39	c
40000	\$3,478.19	d

Victor Method

Year	Victor Mthd	MWh Sales	a	Impact of RER on Bills by Customer Class			Typical Bill - Victor Method			Difference From Standard PTC			% Difference					
				Rev Reqs	Forecast ²	RER Rate	Residential	Small Comm.	Large Comm.	Res'l	Sm Comm	Lg Comm	Res'l	Sm Comm	Lg Comm	Res'l	Sm Comm	Lg Comm
							Bill Impct ³	Bill Impct ⁴	Bill Impct ⁵	Standard Bill	Standard Bill	Standard Bill	\$ Diff	\$ Diff	\$ Diff	% Diff	% Diff	% Diff
2019	\$2,243,105	2,249,586	0.000997	\$0.75	\$1.50	\$39.88	\$80.19	\$145.88	\$3,518.07	\$0.12	\$0.24	\$6.52	0.15%	0.17%	0.19%			
2020	\$5,071,414	2,233,428	0.002271	\$1.70	\$3.41	\$90.84	\$81.15	\$147.80	\$3,569.03	\$0.09	\$0.17	\$4.56	0.11%	0.12%	0.13%			
2021	\$7,559,006	2,222,085	0.003402	\$2.55	\$5.10	\$136.08	\$82.00	\$149.49	\$3,614.27	\$0.54	\$1.07	\$28.56	0.66%	0.72%	0.80%			
2022	\$7,196,589	2,217,526	0.003245	\$2.43	\$4.87	\$129.80	\$81.88	\$149.26	\$3,607.99	\$0.89	\$1.78	\$47.56	1.10%	1.21%	1.34%			
2023	\$7,068,928	2,216,450	0.003189	\$2.39	\$4.78	\$127.56	\$81.84	\$149.17	\$3,605.75	\$1.18	\$2.36	\$63.00	1.46%	1.61%	1.78%			
2024	\$7,118,064	2,217,724	0.003210	\$2.41	\$4.82	\$128.40	\$81.85	\$149.20	\$3,606.59	\$1.43	\$2.86	\$76.32	1.78%	1.96%	2.16%			
2025	\$6,492,056	2,204,908	0.002944	\$2.21	\$4.42	\$117.76	\$81.65	\$148.80	\$3,595.95	\$1.63	\$3.25	\$86.72	2.03%	2.23%	2.47%			
2026	\$6,424,139	2,198,499	0.002922	\$2.19	\$4.38	\$116.88	\$81.64	\$148.77	\$3,595.07	\$1.35	\$2.70	\$72.04	1.68%	1.85%	2.04%			
2027	\$6,494,436	2,192,973	0.002961	\$2.22	\$4.44	\$118.44	\$81.67	\$148.83	\$3,596.63	\$0.97	\$1.95	\$51.96	1.21%	1.33%	1.47%			
2028	\$6,564,978	2,183,938	0.003006	\$2.25	\$4.51	\$120.24	\$81.70	\$148.90	\$3,598.43	\$1.12	\$2.23	\$59.48	1.38%	1.52%	1.68%			
2029	\$6,635,686	2,160,992	0.003071	\$2.30	\$4.61	\$122.84	\$81.75	\$149.00	\$3,601.03	\$1.13	\$2.26	\$60.24	1.40%	1.54%	1.70%			
2030	\$6,706,577	2,158,326	0.003107	\$2.33	\$4.66	\$124.28	\$81.77	\$149.05	\$3,602.47	\$0.02	\$0.04	\$0.96	0.02%	0.02%	0.03%			
2031	\$6,776,328	2,160,510	0.003136	\$2.35	\$4.70	\$125.44	\$81.80	\$149.09	\$3,603.63	(\$1.60)	(\$3.20)	(\$85.24)	-1.92%	-2.10%	-2.31%			
2032	\$6,845,387	2,166,989	0.003159	\$2.37	\$4.74	\$126.36	\$81.81	\$149.13	\$3,604.55	(\$1.46)	(\$2.91)	(\$77.68)	-1.75%	-1.92%	-2.11%			
2033	\$6,916,550	2,159,360	0.003203	\$2.40	\$4.80	\$128.12	\$81.85	\$149.19	\$3,606.31	(\$1.32)	(\$2.65)	(\$70.64)	-1.59%	-1.74%	-1.92%			
2034	\$6,986,071	2,159,044	0.003236	\$2.43	\$4.85	\$129.44	\$81.87	\$149.24	\$3,607.63	(\$1.19)	(\$2.37)	(\$63.32)	-1.43%	-1.57%	-1.72%			
2035	\$7,052,897	2,163,206	0.003260	\$2.45	\$4.89	\$130.40	\$81.89	\$149.28	\$3,608.59	(\$1.05)	(\$2.10)	(\$55.96)	-1.27%	-1.39%	-1.53%			
2036	\$7,121,326	2,173,461	0.003276	\$2.46	\$4.91	\$131.04	\$81.90	\$149.30	\$3,609.23	(\$0.91)	(\$1.82)	(\$48.52)	-1.10%	-1.20%	-1.33%			
2037	\$7,192,478	2,169,709	0.003315	\$2.49	\$4.97	\$132.60	\$81.93	\$149.36	\$3,610.79	(\$0.78)	(\$1.55)	(\$41.40)	-0.94%	-1.03%	-1.13%			
2038	\$7,263,831	2,173,739	0.003342	\$2.51	\$5.01	\$133.68	\$81.95	\$149.40	\$3,611.87	(\$0.64)	(\$1.28)	(\$34.12)	-0.77%	-0.85%	-0.94%			
2039	\$6,731,781	2,182,590	0.003084	\$2.31	\$4.63	\$123.36	\$81.76	\$149.01	\$3,601.55	(\$0.51)	(\$1.02)	(\$27.12)	-0.62%	-0.68%	-0.75%			
2040	\$6,322,546	2,197,659	0.002877	\$2.16	\$4.32	\$115.08	\$81.60	\$148.70	\$3,593.27	(\$0.40)	(\$0.80)	(\$21.40)	-0.49%	-0.54%	-0.59%			
2041	\$6,152,718	2,201,013	0.002795	\$2.10	\$4.19	\$111.80	\$81.54	\$148.58	\$3,589.99	(\$0.31)	(\$0.61)	(\$16.32)	-0.37%	-0.41%	-0.45%			
2042	\$5,571,242	2,213,211	0.002517	\$1.89	\$3.78	\$100.68	\$81.33	\$148.16	\$3,578.87	(\$0.20)	(\$0.40)	(\$10.72)	-0.25%	-0.27%	-0.30%			
2043	\$3,961,863	2,231,304	0.001776	\$1.33	\$2.66	\$71.04	\$80.78	\$147.05	\$3,549.23	(\$0.13)	(\$0.26)	(\$6.84)	-0.16%	-0.17%	-0.19%			
2044	\$3,344,368	2,255,480	0.001483	\$1.11	\$2.22	\$59.32	\$80.56	\$146.61	\$3,537.51	(\$0.09)	(\$0.18)	(\$4.72)	-0.11%	-0.12%	-0.13%			
2045	\$2,539,531	2,266,626	0.001120	\$0.84	\$1.68	\$44.80	\$80.28	\$146.07	\$3,522.99	(\$0.04)	(\$0.08)	(\$2.08)	-0.05%	-0.05%	-0.06%			
Total		166,353,896																

³ The residential customer notice assumes an approximate usage of 750 kWh per month for non-space heating customers

⁴ The small commercial customer notice assumes an approximate usage of 1500 kWh per month.

⁵ The large commercial customer notice assumes an approximate usage of 40,000 kWh per month.

Estimated Other Charges for Customer Bill

Usage (kWh)	Other Charges	
750	\$79.44	b
1500	\$144.39	c
40000	\$3,478.19	d

NOTICE OF COMMISSION MEETING

Issued: *January 24, 2020*

The items listed on the attached agenda will be heard at the Commission's regularly scheduled meeting.

DATE: Thursday, February 6, 2020

TIME: 9:30am

LOCATION: Minnesota Public Utilities Commission Large Hearing Room
121 7th Place East, Suite 350
St. Paul MN 55101-2147

DIRECTIONS: Visit mn.gov/puc or Call 651-296-0406 or 1-800-657-3782, Option 3

Occasionally items may need to be rescheduled. Commission staff will make all reasonable efforts to notify you if your item is rescheduled. However, if you wish to confirm this hearing date, please visit the Commission's Web calendar at mn.gov/puc or call 651-296-0406 or 1-800-657-3782.

BAD WEATHER? Find out if a meeting is canceled. Call (toll-free) 1-855-731-6208 or 651-201-2213 or visit mn.gov/puc

CHANGE YOUR MAILING PREFERENCES: E-mail docketing.puc@state.mn.us or call 651-201-2234

The Commission hearing rooms have wheelchair access. If other reasonable accommodations are needed to enable you to fully participate in a Commission meeting such as sign language or large print materials, please call 651-296-0406 or 1-800-657-3782 at least one week in advance of the meeting. Persons with a hearing or speech impairment may call using their preferred Telecommunications Relay Service or email consumer.puc@state.mn.us for assistance.



Minnesota Public Utilities Commission

PUC Agenda Meeting

Thursday, February 6, 2020

9:30 AM

Large Hearing Room

INTRODUCTION

DECISION ITEMS

1. **Details 2020-012**

* **E017/M-19-765** **Otter Tail Power Company**

In the Matter of the Miscellaneous Filing of RECs Rates Annual update for Cogeneration and Small Power Production Rates for Otter Tail Power Company.

Should the Commission approve Otter Tail Power Company's request for approval of its annual Renewable Energy Credit (REC) and Solar Renewable Credit (SREC) values, tariff administration changes, and filing changes? (PUC: **Martone**)

2. **Details 2020-011**

* **E002/M-19-268** **Northern States Power Company d/b/a Xcel Energy**

In the Matter of Xcel Energy's Petition for Approval of a Wind Energy Purchase Agreement with Invenergy Wind Energy Development, LLC.

Should the Commission approve Xcel's petition to purchase a 100 MW portion of Deuel Harvest Wind? If so, should the Commission impose any conditions upon approving the petition? (PUC: **Stalpes**)

3. **Details 2020-009**

* **G008/M-19-687** **CenterPoint Energy Resources Corp. d/b/a**
CenterPoint Energy Minnesota Gas

In the Matter of CenterPoint Energy's Notification of Filing of Internal Revenue Service Form 3115, Application for Change in Accounting.

Should the Commission accept CenterPoint Energy's Report and the Department's Commitment to review income tax expense in CenterPoint Energy's pending rate case? (PUC: **Bender**)

4. **Details 2020-006**

* **G008/M-19-278** **CenterPoint Energy Minnesota Gas**

In the Matter of CenterPoint Energy Minnesota Gas' Request for Change in Demand Units. (PUC: **Bender**; DOC: **Heinen**)

5. Details 2013-279*** E002/GR-12-961****Northern States Power Company d/b/a Xcel Energy**

In the Matter of the Application of Northern States Power Company for Authority to Increase Rates for Electric Service in the State of Minnesota.

1. Should the Commission accept Northern States Power's (Xcel Energy's) Business Incentive and Sustainability (BIS) Rider annual report for 2019?
2. What action should the Commission take regarding Xcel Energy's proposed clarification of the BIS tariff submitted in the initial application in multi-year rate case, Docket No. E002/GR-19-564? (PUC: **Krishnan**)

6. Details 2020-013*** G002/M-19-703****Northern States Power Company d/b/a Xcel Energy**

In the Matter of the Petition of Northern States Power Company for Approval of an Extension of Rule Variances to Recover the Costs of Financial Instruments through the Purchased Gas Adjustment Clause. (PUC: Bender, Ubani; DOC: Kundert)

7. Details 2019-136*** E229/TL-18-755****Detroit Lakes Public Utilities**

In the Matter of the Application of Detroit Lakes Public Utilities for a High-Voltage Transmission Line Route Permit in Becker County, MN.

What action should the Commission take regarding route alternatives to be evaluated in the environmental assessment? (PUC: **Kaluzniak**)

8. Details 2017-152**** E002/WS-17-410****Northern States Power Company d/b/a Xcel Energy**

In the Matter of the Application of Northern States Power Company for a Site Permit for the 84 MW Freeborn Wind Farm in Freeborn County, Minnesota.

1. What action should the Commission take on the January 1, 2020 petition from the Association of Freeborn County Landowners requesting preparation of an Environmental Assessment Worksheet (EAW) for the Freeborn Wind Project, an 84 MW Large Wind Energy Conversion System in Freeborn County?
2. If the Commission grants the EAW petition, what processes and procedures should be adopted? (PUC: **Kaluzniak**)

ADJOURNMENT

*** One star indicates agenda item is unusual but is not disputed.**

**** Two stars indicate a disputed item or significant legal or procedural issue to be resolved. (Ex Parte Rules apply)**

Please note: For the complete record, please see eDockets

CERTIFICATE OF SERVICE

I, Robin Benson, hereby certify that I have this day, served a true and correct copy of the following document to all persons at the addresses indicated below or on the attached list by electronic filing, electronic mail, courier, interoffice mail or by depositing the same enveloped with postage paid in the United States mail at St. Paul, Minnesota.

**Minnesota Public Utilities Commission
NOTICE OF COMMISSION MEETING**

Docket Number: **N/A**

Dated this **24th** day of **January, 2020**

/s/ Robin Benson

Agenda List For 02/06/2020

<u>LASTNAME</u>	<u>FIRSTNAME</u>	<u>DELIVERY METHOD</u>	<u>COMPANYNAME</u>	<u>CONTACTADDRESS</u>
Aafedt	David	Electronic	Winthrop & Weinstine, P.A.	daafedt@winthrop.com
Aberle	Tamie A.	Electronic	Great Plains Natural Gas Co.	tamie.aberle@mdu.com
Agrimonti	Lisa	Electronic	Fredrikson & Byron, P.A.	lagrimonti@fredlaw.com
Anderson	Christopher	Electronic	Minnesota Power	canderson@allete.com
Anderson	Kristine	Electronic	Greater Minnesota Gas, Inc. & Greater MN Transmission, LLC	kanderson@greatermngas.com
Archer	Alison C	Electronic	MISO	aarcher@misoenergy.org
Ascheman	Mara	Electronic	Xcel Energy	mara.k.ascheman@xcelenergy.com
Baranko	Gail	Electronic	Xcel Energy	gail.baranko@xcelenergy.com
Barlow	Ryan	Electronic	Public Utilities Commission	ryan.barlow@state.mn.us
Berninger	Carolyn	Electronic	Minnesota Center for Environmental Advocacy	cberninger@mncenter.org
Bertram	Tracy	Electronic		tbertram@ci.becker.mn.us
Bertrand	James J.	Electronic	STINSON LLP	james.bertrand@stinson.com
Beyer	Jessica	Electronic	Greater Mankato Growth	jbeyer@greatermankato.com
Bjorklund	Brenda A.	Electronic	CenterPoint Energy	brenda.bjorklund@centerpointenergy.com
Brown	C. Ian	Electronic	United Association	office@gasworkerslocal340.com

<u>LASTNAME</u>	<u>FIRSTNAME</u>	<u>DELIVERY METHOD</u>	<u>COMPANYNAME</u>	<u>CONTACTADDRESS</u>
Brusven	Christina	Electronic	Fredrikson Byron	cbrusven@fredlaw.com
Bull	Michael J.	Electronic	Center for Energy and Environment	mbull@mncee.org
Canaday	James	Electronic	Office of the Attorney General-RUD	james.canaday@ag.state.mn.us
Carlson	Thomas	Electronic	EDF Renewable Energy	thomas.carlson@edf-re.com
Carlson Chang	Melodee	Electronic	CenterPoint Energy	melodee.carlsonchang@centerpointenergy.com
Choquette	Ray	Electronic	Ag Processing Inc.	rchoquette@agp.com
Chriss	Steve W.	Electronic	Wal-Mart	Stephen.chriss@walmart.com
Clay	Steven	Electronic	CenterPoint Energy Minnesota Gas	Steven.Clay@CenterPointEnergy.com
Coffman	John	Electronic	AARP	john@johncoffman.net
Commerce	Generic Notice	Electronic	Office of the Attorney General-DOC	commerce.attorneys@ag.state.mn.us
Conlin	Riley	Electronic	Stoel Rives LLP	riley.conlin@stoel.com
Crocker	George	Electronic	North American Water Office	gwillc@nawo.org
Davis	Richard	Electronic	Department of Commerce	Richard.Davis@state.mn.us
Denniston	James	Electronic	Xcel Energy Services, Inc.	james.r.denniston@xcelenergy.com
Doyle	Marie	Electronic	CenterPoint Energy	marie.doyle@centerpointenergy.com
Eilers	Rebecca	Electronic	Xcel Energy	rebecca.d.eilers@xcelenergy.com

<u>LASTNAME</u>	<u>FIRSTNAME</u>	<u>DELIVERY METHOD</u>	<u>COMPANYNAME</u>	<u>CONTACTADDRESS</u>
Eknes	Bret	Electronic	Public Utilities Commission	bret.eknes@state.mn.us
Erickson	James C.	Electronic	Kelly Bay Consulting	jericksonkbc@gmail.com
Farrell	John	Electronic	Institute for Local Self-Reliance	jfarrell@ilsr.org
Fedje	Svetlana	Electronic	Otter Tail Power Company	sfedje@otpc.com
Ferguson	Sharon	Electronic	Department of Commerce	sharon.ferguson@state.mn.us
Fiterman	Mike	Electronic	Liberty Diversified International	mikefiterman@libertydiversified.com
Gardow	Brian	Electronic	Greater Minnesota Gas, Inc. & Greater MN Transmission, LLC	bgardow@greatermngas.com
Garvey	Edward	Electronic	AESL Consulting	edward.garvey@AESLconsulting.com
Garvey	Edward	Electronic	Residence	garveyed@aol.com
Gaston	Sean	Electronic		sean.p.gaston@gmail.com
Gonzalez	Janet	Electronic	Public Utilities Commission	Janet.gonzalez@state.mn.us
Guerrero	Todd J.	Electronic	Kutak Rock LLP	todd.guerrero@kutakrock.com
Hamilton	J Drake	Electronic	Fresh Energy	hamilton@fresh-energy.org
Hansen	Dorene	Electronic		dhansen078@gmail.com
Harbert	David	Electronic	KAAL-TV	dharbert@kaaltv.com
Harding	Robert	Electronic	Public Utilities Commission	robert.harding@state.mn.us

<u>LASTNAME</u>	<u>FIRSTNAME</u>	<u>DELIVERY METHOD</u>	<u>COMPANYNAME</u>	<u>CONTACTADDRESS</u>
Harris	Matt	Electronic	XCEL ENERGY	matt.b.harris@xcelenergy.com
Henkel	Annete	Electronic	Minnesota Utility Investors	mui@mnuilityinvestors.org
Henriksen	Shane	Electronic	Enbridge Energy Company, Inc.	shane.henriksen@enbridge.com
Hentges	Patrick	Electronic	City Of Mankato	phentges@mankatomn.gov
Hinderlie	Katherine	Electronic	Office of the Attorney General-DOC	katherine.hinderlie@ag.state.mn.us
Hoffarber	Bruce L.	Electronic	Kinect Energy Group	bhoffarber@kinectenergy.com
Holly	Mary	Electronic	Winthrop & Weinstine, P.A.	mholly@winthrop.com
Hoppe	Michael	Electronic	Local Union 23, I.B.E.W.	il23@mtn.org
Jenkins	Alan	Electronic	Jenkins at Law	aj@jenkinsatlaw.com
Jensen	Linda	Electronic	Office of the Attorney General-DOC	linda.s.jensen@ag.state.mn.us
Johnson	Richard	Electronic	Moss & Barnett	Rick.Johnson@lawmoss.com
Johnson Phillips	Sarah	Electronic	Stoel Rives LLP	sarah.phillips@stoel.com
KOTCH EGSTAD	STACY	Electronic	MINNESOTA DEPARTMENT OF TRANSPORTATION	Stacy.Kotch@state.mn.us
Kaluzniak	Michael	Electronic	Public Utilities Commission	mike.kaluzniak@state.mn.us
Kaufman	Mark J.	Electronic	IBEW Local Union 949	mkaufman@ibewlocal949.org
Koehler	Thomas	Electronic	Local Union #160, IBEW	TGK@IBEW160.org

<u>LASTNAME</u>	<u>FIRSTNAME</u>	<u>DELIVERY METHOD</u>	<u>COMPANYNAME</u>	<u>CONTACTADDRESS</u>
Kohlasch	Frank	Electronic	MN Pollution Control Agency	frank.kohlasch@state.mn.us
Krikava	Michael	Electronic	TAFT Stettinius & Hollister, LLP	mkrikava@taftlaw.com
Kupser	Nicolle	Electronic	Greater Minnesota Gas, Inc. & Greater MN Transmission, LLC	nkupser@greatermngas.com
Larson	Douglas	Electronic	Dakota Electric Association	dlarson@dakotaelectric.com
Larson	James D.	Electronic	Avant Energy Services	james.larson@avantenergy.com
Larson	Peder	Electronic	Larkin Hoffman Daly & Lindgren, Ltd.	plarson@larkinhoffman.com
LeFevers	Daniel	Electronic	GTI	dlefevers@gti.energy
Lee	Amber	Electronic	CenterPoint Energy	Amber.Lee@centerpointenergy.com
Leider	Roger	Electronic	Minnesota Propane Association	roger@mnpropane.org
Lindberg	Eric	Electronic	Minnesota Center for Environmental Advocacy	elindberg@mncenter.org
Lipman	Eric	Electronic	Office of Administrative Hearings	eric.lipman@state.mn.us
Litchfield	Dan	Electronic	Invenergy LLC	DLitchfield@invenergyllc.com
Loeffler	Michael	Electronic	Northern Natural Gas Co.	mike.loeffler@nngco.com
Madson	Sue	Electronic		sue_madson@hotmail.com
Maini	Kavita	Electronic	KM Energy Consulting, LLC	kmmaini@wi.rr.com
Marshall	Pam	Electronic	Energy CENTS Coalition	pam@energycents.org

<u>LASTNAME</u>	<u>FIRSTNAME</u>	<u>DELIVERY METHOD</u>	<u>COMPANYNAME</u>	<u>CONTACTADDRESS</u>
Martinka	Mary	Electronic	Xcel Energy Inc	mary.a.martinka@xcelenergy.com
Maxwell	Daryl	Electronic	Manitoba Hydro	dmaxwell@hydro.mb.ca
Meloy	Brian	Electronic	STINSON LLP	brian.meloy@stinson.com
Merz	Gregory	Electronic	Lathrop GPM LLP	gregory.merz@gpmlaw.com
Meyer	Joseph	Electronic	Office of the Attorney General-RUD	joseph.meyer@ag.state.mn.us
Miller	Stacy	Electronic	City of Minneapolis	stacy.miller@minneapolismn.gov
Moeller	David	Electronic	Minnesota Power	dmoeller@allete.com
Moratzka	Andrew	Electronic	Stoel Rives LLP	andrew.moratzka@stoel.com
Muller	Alan	Electronic	Energy & Environmental Consulting	alan@greendel.org
Nelson	Carl	Electronic	Center for Energy and Environment	cnelson@mncee.org
Newberger	J	Electronic	State Rep	Jnewberger1@yahoo.com
Niles	David	Electronic	Minnesota Municipal Power Agency	david.niles@avantenergy.com
Norris	Samantha	Electronic	Interstate Power and Light Company	samanthanorris@alliantenergy.com
OConnor	Mike	Electronic	Local 949 IBEW	moconnor@ibewlocal949.org
Olson	Allie	Electronic		aa_olson@hotmail.com
Overland	Carol A.	Electronic	Legalelectric - Overland Law Office	overland@legalelectric.org

<u>LASTNAME</u>	<u>FIRSTNAME</u>	<u>DELIVERY METHOD</u>	<u>COMPANYNAME</u>	<u>CONTACTADDRESS</u>
Oxley	Jeff	Electronic	Office of Administrative Hearings	jeff.oxley@state.mn.us
Palmer	Greg	Electronic	Greater Minnesota Gas, Inc. & Greater MN Transmission, LLC	gpalmer@greatermngas.com
Peterson	Lisa	Electronic	Xcel Energy	lisa.r.peterson@xcelenergy.com
Phillips	Catherine	Electronic	We Energies	catherine.phillips@we-energies.com
Prazak	David G.	Electronic	Otter Tail Power Company	dprazak@otpc.com
Pruszinske	Greg	Electronic	City of Becker	gpruszinske@ci.becker.mn.us
Residential	Generic Notice	Electronic	Office of the Attorney General-RUD	residential.utilities@ag.state.mn.us
Reuther	Kevin	Electronic	MN Center for Environmental Advocacy	kreuther@mncenter.org
Roberts	Vernell	Electronic	Detroit Lakes Public Utilities	vroberts@cityofdetroitlakes.com
Ruud	Kristen	Electronic	CenterPoint Energy Minnesota Gas	Kristen.Ruud@centerpointenergy.com
Savelkoul	Richard	Electronic	Martin & Squires, P.A.	rsavelkoul@martinsquires.com
Schedin	Larry L.	Electronic	LLS Resources, LLC	Larry@LLSResources.com
Schlatter	LauraSue	Electronic	Office of Administrative Hearings	LauraSue.Schlatter@state.mn.us
Schmiesing	Elizabeth	Electronic	Winthrop & Weinstine, P.A.	eschmiesing@winthrop.com
Shaddix Elling	Janet	Electronic	Shaddix And Associates	jshaddix@janetshaddix.com
Smith	Jessie	Electronic	Prairie Island Indian Community	jseim@piic.org

<u>LASTNAME</u>	<u>FIRSTNAME</u>	<u>DELIVERY METHOD</u>	<u>COMPANYNAME</u>	<u>CONTACTADDRESS</u>
Smith	Joshua	Electronic		joshua.smith@sierraclub.org
Smith	Ken	Electronic	District Energy St. Paul Inc.	ken.smith@districtenergy.com
Soholt	Beth H.	Electronic	Wind on the Wires	bsoholt@windonthewires.org
Sommer	Anna	Electronic	Energy Futures Group	ASommer@energyfuturesgroup.com
Sorum	Peggy	Electronic	CenterPoint Energy	peggy.sorum@centerpointenergy.com
Spurr	Mark	Electronic	International District Energy Association	mspurr@fvbenergy.com
Starns	Byron E.	Electronic	STINSON LLP	byron.starns@stinson.com
Stastny	Kristin	Electronic	Taft Stettinius & Hollister LLP	kstastny@taftlaw.com
Stephenson	Cary	Electronic	Otter Tail Power Company	cStephenson@otpco.com
Strommen	James M	Electronic	Kennedy & Graven, Chartered	jstrommen@kennedy-graven.com
Stupar	Robert	Electronic	Enel Green Power North America, Inc.	rob.stupar@enel.com
Swanson	Eric	Electronic	Winthrop & Weinstine	eswanson@winthrop.com
Sweet	Lynnette	Electronic	Xcel Energy	Regulatory.records@xcelenergy.com
Tiffany	Douglas	Electronic	University of Minnesota	tiffa002@umn.edu
Tommerdahl	Stuart	Electronic	Otter Tail Power Company	stommerdahl@otpco.com
Tynes	Thomas	Electronic	Energy Freedom Coalition of America	jjazynka@energyfreedomcoalition.com

<u>LASTNAME</u>	<u>FIRSTNAME</u>	<u>DELIVERY METHOD</u>	<u>COMPANYNAME</u>	<u>CONTACTADDRESS</u>
Veith	Lisa	Electronic	City of St. Paul	lisa.veith@ci.stpaul.mn.us
Voeck	Julie	Electronic	NextEra Energy Resources, LLC	julie.voeck@nee.com
Warzecha	Cynthia	Electronic	Minnesota Department of Natural Resources	cynthia.warzecha@state.mn.us
Wilensky	Scott M.	Electronic	Xcel Energy	scott.wilensky@xcelenergy.com
Williams	Samantha	Electronic	Natural Resources Defense Council	swilliams@nrdc.org
Windler	Joseph	Electronic	Winthrop & Weinstine	jwindler@winthrop.com
Wolfgram	Jonathan	Electronic	Office of Pipeline Safety	Jonathan.Wolfgram@state.mn.us
Wolter	Mary	Electronic	Minnesota Energy Resources Corporation (HOLDING)	mary.wolter@wecenergygroup.com
Zemke	Scott	Electronic	Community Action Partnership	szemke@capsh.org
Zomer	Patrick	Electronic	Moss & Barnett a Professional Association	Patrick.Zomer@lawmoss.com
Baker	Kenneth	Paper	Wal-Mart Stores, Inc.	2001 SE 10th St. ,Bentonville , AR , 72716-5530