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December 13, 2018

- Via Email and U.S. Mail -

Darrell Nitschke, Executive Director
North Dakota Public Service Commission
State Capitol Building, Dept 408
600 East Boulevard
Bismarck, ND 59505-0480

RE: NORTHERN STATES POWER COMPANY
1,850 WIND PORTFOLIO REVENUE REQUIREMENTS
CASE NOS. PU-17-490 PU-18-155

Dear Mr. Nitschke:

Northern States Power Company, doing business as Xcel Energy and operating in North Dakota, submits to the North Dakota Public Service Commission Attachment A showing the approximate revenue requirements associated with the Company's owned portion of its 1,850 MW wind portfolio project over the projected 25-year lives of those projects. This information was requested by Commissioner Kroshus during the November 27, 2018 Informal Hearing in the above-referenced cases.

Please note that the projected revenue requirements are based on forecasted costs and in-service dates and, therefore, reflect an approximation of overall revenue requirements. Additionally, as discussed in Case Nos. PU-17-120 and PU-17-372, these project will result in significant fuel savings for our customers that are projected to offset the revenue requirements detailed in this filing and therefore result in substantial customer benefits over the lives of these projects.

Please contact Pamela Gibbs at (612) 330-2889 or pamela.k.gibbs@xcelenergy.com if you have any questions regarding this submission.

Sincerely,

Sr. Consultant, Regulation & Finance
Enclosures

29 PU-18-155 Filed 12/13/2018 Pages: 3
Wind Portfolio Revenue Requirements
Northern States Power Company
David Sederquist

33 PU-17-490 Filed 12/13/2018 Pages: 3
Wind Portfolio Revenue Requirements
Northern States Power Company

Amounts in dollars	Owned wind in 1850 pc													
	2019	2020	2021	2022	2023	2024*	2025	2026	2027	2028	2029	2030	2031	2032
Rider Revenue Requirement														
Blazing Star II***														
Capital		949,451	2,425,234	2,162,021	1,993,076	1,894,639	1,763,244	1,656,424	1,607,377	1,558,337	1,509,277	1,460,238	1,411,178	1,362,138
O&M		35,319	253,968	263,824	256,670	259,237	261,829	264,448	267,092	269,763	272,461	275,185	277,937	280,717
Property Taxes		43,513	97,555	96,915	97,432	97,432	97,432	97,432	97,432	97,432	97,432	97,432	97,432	97,432
PTCs		(437,359)	(1,602,803)	(1,588,321)	(1,598,345)	(1,598,345)	(1,598,345)	(1,598,345)	(1,598,345)	(1,598,345)	(1,598,345)	(1,160,985)		
Subtotal		590,924	1,173,954	934,439	748,833	652,963	524,161	419,959	373,556	327,188	280,825	671,870	1,786,547	1,740,286
Freeborn***														
Capital		310,369	2,243,189	1,989,940	1,828,296	1,736,241	1,611,355	1,510,191	1,465,639	1,421,085	1,376,531	1,331,977	1,287,423	1,242,869
O&M		25,713	303,476	320,200	307,909	310,988	314,098	317,239	320,411	323,615	326,851	330,120	333,421	336,755
Property Taxes		7,407	63,002	62,351	62,806	62,806	62,806	62,806	62,806	62,806	62,806	62,806	62,806	62,806
PTCs		(66,936)	(1,502,002)	(1,485,578)	(1,496,405)	(1,496,405)	(1,496,405)	(1,496,405)	(1,496,405)	(1,496,405)	(1,496,405)	(1,429,469)		
Subtotal		276,552	1,107,665	886,913	702,606	613,629	491,853	393,831	352,451	311,101	269,783	295,434	1,683,650	1,642,430
Lake Benton***														
Capital	141,703	1,299,923	1,154,057	1,052,610	1,000,770	926,400	865,912	838,749	811,609	784,468	757,327	730,187	703,046	675,906
O&M	18,900	99,116	112,711	124,946	128,081	129,362	130,655	131,962	133,281	134,614	135,960	137,320	138,693	140,080
Property Taxes	65	30,294	30,271	29,784	30,160	30,160	30,160	30,160	30,160	30,160	30,160	30,160	30,160	30,160
PTCs	(1,705)	(797,710)	(796,843)	(784,242)	(793,769)	(793,769)	(793,769)	(793,769)	(793,769)	(793,769)	(792,063)			
Subtotal	158,963	631,623	500,196	423,098	365,242	292,153	232,958	207,102	181,281	155,473	131,384	897,667	871,899	846,146
Blazing Star I***														
Capital	329,343	1,812,018	1,592,506	1,454,954	1,404,951	1,315,964	1,252,354	1,248,945	1,245,563	1,242,168	1,238,785	1,235,391	1,232,008	1,228,613
O&M	22,350	261,016	277,618	262,769	223,983	226,223	228,485	230,770	233,078	235,409	237,763	240,140	242,542	244,967
Property Taxes	13,133	81,846	81,742	81,009	81,553	81,553	81,553	81,553	81,553	81,553	81,553	81,553	81,553	81,553
PTCs	(3,085)	(1,647,537)	(1,643,699)	(1,625,884)	(1,637,965)	(1,637,965)	(1,637,965)	(1,637,965)	(1,637,965)	(1,637,965)	(1,634,880)			
Subtotal	361,741	507,344	308,167	172,848	72,522	(14,225)	(75,573)	(76,697)	(77,771)	(78,835)	(76,778)	1,557,084	1,556,103	1,555,134
Foxtail**														
Capital	713,775	1,992,874	1,771,726	1,617,556	1,538,148	1,424,796	1,332,402	1,290,116	1,247,830	1,205,542	1,163,257	1,120,969	1,078,684	1,036,396
O&M	16,841	179,700	192,184	180,308	150,768	152,276	153,799	155,337	156,890	158,459	160,044	161,644	163,261	164,893
Property Taxes	28,078	42,294	42,262	42,002	42,232	42,232	42,232	42,232	42,232	42,232	42,232	42,232	42,232	42,232
PTCs	(376,531)	(1,223,757)	(1,219,823)	(1,206,607)	(1,216,288)	(1,216,288)	(1,216,288)	(1,216,288)	(1,216,288)	(1,216,288)	(839,756)			
Subtotal	382,163	991,110	786,349	633,259	514,861	403,017	312,145	271,397	230,665	189,946	525,777	1,324,845	1,284,177	1,243,521
Crowned Ridge****														
Capital	398,051	3,639,641	3,228,074	2,943,405	2,800,569	2,593,637	2,426,354	2,354,508	2,282,859	2,211,210	2,139,562	2,067,913	1,996,265	1,924,616
O&M	49,378	266,122	309,192	345,641	354,590	358,136	361,717	365,334	368,988	372,677	376,404	380,168	383,970	387,810
Property Taxes	4,221	82,814	82,787	82,397	82,772	82,772	82,772	82,772	82,772	82,772	82,772	82,772	82,772	82,772
PTCs	(4,443)	(2,330,822)	(2,324,474)	(2,304,722)	(2,319,649)	(2,319,649)	(2,319,649)	(2,319,649)	(2,319,649)	(2,319,649)	(2,315,206)			
Subtotal	447,207	1,657,755	1,295,579	1,066,720	918,282	714,896	551,195	482,965	414,970	347,012	283,532	2,530,854	2,463,007	2,395,198
Dakota Range****														
Capital			357,531	2,047,441	1,790,791	1,642,324	1,584,020	1,483,538	1,413,205	1,411,585	1,408,364	1,405,131	1,401,909	1,398,676
O&M			23,368	309,709	328,099	331,380	334,694	338,041	341,421	344,835	348,284	351,766	355,284	358,837
Property Taxes			8,191	86,875	88,463	88,463	88,463	88,463	88,463	88,463	88,463	88,463	88,463	88,463
PTCs			(3,095)	(1,526,393)	(1,604,867)	(1,604,867)	(1,604,867)	(1,604,867)	(1,604,867)	(1,604,867)	(1,604,867)	(1,604,867)	(1,601,772)	
Subtotal			385,995	917,631	602,486	457,300	402,310	305,175	238,222	240,017	240,244	240,493	243,884	1,845,976
Total Rider Revenue Requirement	1,350,074	4,655,308	5,557,905	5,034,910	3,924,832	3,119,733	2,439,049	2,003,733	1,713,374	1,491,901	1,654,767	7,518,247	9,889,267	11,268,692

* Note that detailed forecasts for O&M, Property Taxes and PTCs are available only through 2024.

Beyond 2024 a 1% annual increase in O&M expenses is assumed. Property Taxes are forecasted as remaining flat and PTC are shown to expire after 10 years.

** Located in North Dakota

*** Located in Minnesota

**** Located in South Dakota

Portfolio													
Amounts in dollars	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	Total
Rider Revenue Requirement													
Blazing Star II***													
Capital	1,313,078	1,264,038	1,212,739	1,163,054	1,117,211	1,071,368	1,025,524	979,681	933,838	887,880	842,045	796,210	
O&M	283,524	286,359	289,223	292,115	295,036	297,986	300,966	303,976	307,016	310,086	313,187	316,318	
Property Taxes	97,432	97,432	97,432	97,432	97,432	97,432	97,432	97,432	97,432	97,432	97,432	97,432	
PTCs													
Subtotal	1,694,034	1,647,829	1,599,393	1,552,601	1,509,679	1,466,786	1,423,922	1,381,089	1,338,285	1,295,397	1,252,663	1,209,960	27,597,145
Freeborn***													
Capital	1,198,315	1,153,514	1,108,581	1,064,294	1,020,534	976,775	933,016	889,257	845,498	799,653	756,044	712,435	
O&M	340,123	343,524	346,959	350,429	353,933	357,473	361,047	364,658	368,304	371,987	375,707	379,464	
Property Taxes	62,806	62,806	62,806	62,806	62,806	62,806	62,806	62,806	62,806	62,806	62,806	62,806	
PTCs													
Subtotal	1,601,244	1,559,844	1,518,346	1,477,528	1,437,273	1,397,054	1,356,869	1,316,721	1,276,608	1,234,446	1,194,557	1,154,705	25,553,093
Lake Benton***													
Capital	648,765	621,625	594,484	567,344	540,203	513,063	485,922	458,782	431,641	404,469			
O&M	141,481	142,896	144,325	145,768	147,226	148,698	150,185	151,687	153,204	154,736	156,283	157,846	
Property Taxes	30,160	30,160	30,160	30,160	30,160	30,160	30,160	30,160	30,160	30,160	30,160	30,160	
PTCs													
Subtotal	820,406	794,680	768,969	743,271	717,588	691,920	666,267	640,628	615,004	589,364	186,443	188,006	13,317,731
Blazing Star I***													
Capital	1,225,231	1,220,500	1,216,732	1,215,257	1,213,782	1,212,307	1,210,832	1,209,358	1,207,883	1,205,792	1,204,361	1,202,930	
O&M	247,417	249,891	252,390	254,914	257,463	260,038	262,638	265,264	267,917	270,596	273,302	276,035	
Property Taxes	81,553	81,553	81,553	81,553	81,553	81,553	81,553	81,553	81,553	81,553	81,553	81,553	
PTCs													
Subtotal	1,554,201	1,551,944	1,550,676	1,551,725	1,552,799	1,553,898	1,555,024	1,556,175	1,557,353	1,557,941	1,559,217	1,560,519	24,352,536
Foxtail**													
Capital	994,111	951,536	909,169	867,292	825,416	783,539	741,663	699,786	657,910	356,663	14,310	13,998	
O&M	166,542	168,208	169,890	171,589	173,304	175,038	176,788	178,556	180,341	182,145	183,966	185,806	
Property Taxes	42,232	42,232	42,232	42,232	42,232	42,232	42,232	42,232	42,232	42,232	42,232	42,232	
PTCs													
Subtotal	1,202,885	1,161,976	1,121,290	1,081,113	1,040,952	1,000,809	960,683	920,574	880,483	581,040	240,509	242,036	19,527,581
Crowned Ridge****													
Capital	1,852,968	1,781,319	1,709,671	1,638,022	1,566,374	1,494,725	1,423,077	1,351,428	1,279,779	1,208,131	1,136,482	1,021,605	
O&M	391,688	395,605	399,561	403,556	407,592	411,668	415,784	419,942	424,142	428,383	432,667	436,994	
Property Taxes	82,772	82,772	82,772	82,772	82,772	82,772	82,772	82,772	82,772	82,772	82,772	82,772	
PTCs													
Subtotal	2,327,428	2,259,696	2,192,004	2,124,351	2,056,738	1,989,165	1,921,633	1,854,143	1,786,693	1,719,286	1,651,922	1,541,371	38,993,603
Dakota Range****													
Capital	1,395,455	1,392,222	1,389,000	1,384,483	1,380,892	1,379,503	1,378,114	1,376,724	1,375,335	1,373,831	1,372,450	1,371,069	
O&M	362,425	366,049	369,710	373,407	377,141	380,913	384,722	388,569	392,455	396,379	400,343	404,346	
Property Taxes	88,463	88,463	88,463	88,463	88,463	88,463	88,463	88,463	88,463	88,463	88,463	88,463	
PTCs													
Subtotal	1,846,343	1,846,734	1,847,173	1,846,353	1,846,496	1,848,878	1,851,298	1,853,756	1,856,253	1,858,673	1,861,256	1,863,878	28,346,824
Total Rider Revenue Requirement	11,046,540	10,822,704	10,597,850	10,376,942	10,161,526	9,948,510	9,735,696	9,523,085	9,310,680	8,836,148	7,946,565	7,760,475	177,688,513