



AN ALLETE COMPANY

30 West Superior Street
Duluth, MN 55802-2093
www.mnpower.com



March 30, 2022

VIA EMAIL

North Dakota Public Service Commission
c/o Steven Kahl, Executive Secretary
600 E. Boulevard Ave., Dept. 408
Bismarck, ND 58505

**Re: Minnesota Power’s Certificate of Operations for 2021
Case Numbers:
PU-11-560 Bison 1(a) & 1(b) Wind Projects
PU-12-241 Bison 2 Wind Project
PU-18-232 Bison 3 Wind Project
PU-18-233 Bison 4 Wind Project**

Dear Mr. Kahl:

Minnesota Power (or the “Company”) provides the required certificate of operation for its Bison 1, 2, 3 and 4 wind facilities pursuant to North Dakota Administrative Rule (“N.D.A.C.”) 69-09-09-03. Per N.D.A.C. 69-09-09-03, “After construction of a facility is complete, the owner shall annually file a certificate of operation with the commission for that facility by April first of each year.” Minnesota Power, as the owner of the Bison 1, 2, 3 & 4 wind facilities, must submit an affidavit certifying the facilities’: a. Nameplate generating capacity; b. Annual capacity factor; c. Annual megawatt hour output; and d. Monthly megawatt hour output.

The following table contains the specified data for the Bison 1, 2, 3 and 4 wind facilities.

	Bison 1(a)	Bison 1(b)	Bison Combined	Bison 2	Bison 3	Bison 4
Nameplate Generating Capacity	36.8 MW	45.0 MW	81.8 MW	105.0 MW	105.0 MW	204.8 MW
Annual Capacity Factor	26.8%	33.0%	29.9%	32.6%	32.7%	39.9%
Annual MWh Output	86,344	130,031	216,375	299,770	300,931	715,972



*Together we choose to work safely for our families, each other, and the public.
We commit to be injury-free through continuous learning and improvement.*

Annual Monthly MWh Output						
	Bison 1(a)	Bison 1(b)	Bison Combined	Bison 2	Bison 3	Bison 4
January	8,029	11,182	19,211	24,722	25,144	58,912
February	6,961	10,389	17,350	23,746	24,276	61,659
March	8,051	12,496	20,547	28,519	29,115	68,062
April	1,922	8,953	10,874	21,991	21,725	46,185
May	7,507	11,007	18,514	25,899	25,607	59,347
June	3,111	7,094	10,205	17,526	17,519	37,217
July	5,513	7,677	13,190	19,285	18,136	50,461
August	7,683	9,440	17,123	21,874	21,698	54,091
September	8,256	10,678	18,934	24,292	24,480	62,050
October	11,032	15,632	26,664	35,578	35,787	82,551
November	8,644	13,729	22,373	30,351	30,777	70,132
December	9,634	11,754	21,388	25,986	26,668	65,306

Minnesota Power recently identified two typos for the year 2020 that occurred while transferring the data from the spreadsheet into the final report that was submitted to the North Dakota Public Service Commission on March 29, 2021. The correct number for *Bison Combined* in June is 19,743 (originally reported as 19,739); and for *Bison 4* in September it is 77,786 (originally reported as 77,789). The Company provides the corrected Bison Wind Energy Center production data for 2020 in the following table.

	Bison 1(a)	Bison 1(b)	Bison Combined	Bison 2	Bison 3	Bison 4
Nameplate Generating Capacity	36.8 MW	45.0 MW	81.8 MW	105.0 MW	105.0 MW	204.8 MW
Annual Capacity Factor	38.1%	33.9%	36.0%	34.3%	34.8%	44.8%
Annual MWh Output	123,073	133,978	257,051	316,299	320,752	805,997

Annual Monthly MWh Output						
	Bison 1(a)	Bison 1(b)	Bison Combined	Bison 2	Bison 3	Bison 4
January	10,226	10,910	21,136	23,802	25,834	64,245
February	9,530	10,338	19,868	22,279	23,733	61,767
March	10,218	9,796	20,014	26,103	26,660	64,078
April	11,584	11,772	23,356	29,659	29,873	72,599
May	11,181	12,055	23,236	29,896	29,332	69,484
June	9,499	10,244	19,743	26,389	25,307	61,404
July	5,480	6,258	11,738	15,568	15,401	40,843
August	7,106	8,049	15,155	19,382	19,022	53,262
September	11,571	13,248	24,819	30,463	31,016	77,786
October	12,462	14,084	26,546	31,729	32,447	79,194
November	12,500	13,834	26,334	31,198	31,594	84,484
December	11,716	13,390	25,106	29,831	30,534	76,852

Please contact me at (218) 355-3601 or lhoyum@mnpower.com with any questions related to this matter.

Yours truly,



Lori Hoyum
Rates Compliance Administrator

LH:th