



AN ALLETE COMPANY

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



March 15, 2023

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 2022

Case Numbers:

PU-11-560 Bison 1A & 1B 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 1A	Bison 1B	Bison 1 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	32.1%	29.7%	30.8%	35.3%	34.8%	39.1%
Annual MWh Output	103,529	117,137	220,666	323,837	320,315	702,134



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Certificate of Operations 2022

Allete, Inc.

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Certificate of Operations 2022

Allete, Inc.

Annual Monthly MWh Output						
	Bison 1A	Bison 1B	Bison 1 Combined	Bison 2	Bison 3	Bison 4
January	12,385	14,002	26,387	33,649	34,021	68,937
February	12,846	14,922	27,768	35,662	35,909	75,071
March	10,838	13,109	23,947	33,410	34,261	72,328
April	11,560	12,542	24,102	38,993	39,325	78,627
May	8,186	9,050	17,236	33,386	33,185	74,775
June	5,947	6,822	12,769	22,249	22,472	45,955
July	5,069	5,536	10,605	16,425	16,660	39,488
August	5,110	6,202	11,312	17,029	16,147	43,364
September	7,305	8,104	15,409	25,288	24,394	60,815
October	9,150	9,785	18,935	27,008	25,678	61,125
November	10,209	10,595	20,804	25,931	23,243	53,069
December	4,923	6,468	11,391	14,806	15,019	28,580

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