



AN ALLETE COMPANY

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February 9, 2024

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 2023
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 North Dakota Public Service Commission (“Commission”) 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.

Effective October 1, 2023, Bison 4 wind facility’s nameplate capacity was formally reduced from 204.8 to 201.6 MW. One of the sixty-four 3.2 MW turbines was physically removed in compliance with Commission’s decision. The Company has determined to not relocate the turbine to another location.

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Certificate of Operations 2023
Allete, Inc.

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

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|----|--------------------------------|------------------|----------|----|--------------------------------|------------------|----------|----|--------------------------------|------------------|----------|
| 16 | PU-12-241 | Filed 02/09/2024 | Pages: 2 | 16 | PU-18-232 | Filed 02/09/2024 | Pages: 2 | 11 | PU-18-233 | Filed 02/09/2024 | Pages: 2 |
| | Certificate of Operations 2023 | | | | Certificate of Operations 2023 | | | | Certificate of Operations 2023 | | |
| | Allete, Inc. | | | | Allete, Inc. | | | | Allete, Inc. | | |



*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.*

| | 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 | 201.6 MW |
| Annual Capacity Factor | 27.1% | 24.0% | 25.4% | 25.7% | 26.3% | 34.5% |
| Annual MWh Output | 87,208 | 94,511 | 181,718 | 236,840 | 242,113 | 608,449 |
| Annual Monthly MWh Output | | | | | | |
| | Bison 1A | Bison 1B | Bison 1 Combined | Bison 2 | Bison 3 | Bison 4 |
| January | 5,784 | 5,422 | 11,206 | 14,455 | 13,576 | 33,271 |
| February | 9,117 | 10,195 | 19,313 | 24,073 | 24,986 | 66,776 |
| March | 9,771 | 11,123 | 20,895 | 26,228 | 26,165 | 59,151 |
| April | 8,337 | 9,048 | 17,384 | 24,504 | 26,729 | 72,266 |
| May | 5,696 | 5,759 | 11,455 | 14,583 | 15,230 | 47,550 |
| June | 4,821 | 4,784 | 9,605 | 13,750 | 13,353 | 32,382 |
| July | 5,226 | 5,674 | 10,900 | 15,228 | 15,122 | 39,870 |
| August | 5,181 | 6,137 | 11,318 | 15,767 | 15,839 | 38,678 |
| September | 5,255 | 6,096 | 11,350 | 16,735 | 16,246 | 41,899 |
| October | 8,705 | 8,962 | 17,668 | 19,997 | 19,670 | 50,162 |
| November | 8,586 | 10,140 | 18,726 | 24,748 | 26,430 | 61,376 |
| December | 10,728 | 11,170 | 21,898 | 26,771 | 28,767 | 65,067 |

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