

400 North Fourth Street
Bismarck, ND 58501
701-222-7900

March 15, 2023

Executive Secretary
North Dakota Public Service Commission
600 East Boulevard Ave., Dept. 408
Bismarck, ND 58505-0480

RE: Thunder Spirit Wind, Adams County, North Dakota
Certificate of Operation
Reporting Period: January 1, 2022 to December 31, 2022
Case No. PU-18-105 & PU-19-359

In compliance with North Dakota Administrative Code Section 69-09-09-03, Montana-Dakota Utilities Co. (Montana-Dakota), owner of Thunder Spirit Wind, hereby submits its Certificate of Operation for the twelve-month period ending December 31, 2022. All 59 turbines generated energy during 2022.

The Siting Certificate was issued for Thunder Spirit Wind facility in Case No. PU-11-601 and subsequently transferred to Montana-Dakota in Case No. PU-15-592. In Case No. PU-17-192, the Commission issued First Reissued Second Amended Certificate of Site Compatibility No. 35 authorizing Montana-Dakota to construct the 48 MW expansion of the Thunder Spirit facility. The Thunder Spirit facility expansion was placed into service on October 31, 2018.

Montana-Dakota's Certification of Operations is as follows:

- A. Nameplate generating capacity: 155.5 MW
- B. Annual capacity factor: 42.4%
- C. Annual MWh output: 577,567
- D. 2022 Monthly MWh output:

January	71,110	July	28,998
February	61,935	August	32,464
March	58,370	September	36,419
April	57,379	October	45,813
May	48,449	November	59,109
June	34,723	December	42,798

Please contact me at 701.222.7855 or travis.jacobson@mdu.com if you have any question.

Sincerely,

/s/ Travis R. Jacobson

Travis R. Jacobson
Director of Regulatory Affairs

Cc: Joseph Geiger
Brian Ulberg
Allison Waldon