

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

March 18, 2022

Executive Secretary  
North Dakota Public Service Commission  
600 East Boulevard Ave., Dept. 408  
Bismarck, ND 58505-0408

RE: Thunder Spirit Wind, Adams County, North Dakota  
Certificate of Operation  
Reporting Period: January 1, 2021 to December 31, 2021  
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, 2021. All 59 turbines generated energy during 2021.

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: 40.9%
- C. Annual MWh output: 556,575
- D. 2021 Monthly MWh output:

January	50,378	July	37,413
February	49,038	August	40,593
March	46,922	September	40,413
April	45,051	October	60,330
May	41,119	November	54,611
June	36,381	December	54,326

Please contact me at 701.222.7855 or [travis.jacobson@mdu.com](mailto:travis.jacobson@mdu.com) if you have any questions.

Sincerely,

*/s/ Travis R. Jacobson*

Travis R. Jacobson  
Director of Regulatory Affairs

Cc: Joseph Geiger  
Brian Ulberg  
Allison Mann