



UTILITIES CO.

A Division of MDU Resources Group, Inc.

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

March 21, 2018

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, 2017 to December 31, 2017
Case No. PU-15-592

In compliance with North Dakota Administrative Code Section 69-09-09-03, Montana-Dakota Utilities Co. a Division of MDU Resources Group, Inc., owner of Thunder Spirit Wind, hereby submits the Certificate of Operation for the twelve-month period ending December 31, 2017.

The Siting Certificate was issued for the Thunder Spirit Wind facility in Case No. PU-11-601 and subsequently transferred to Montana-Dakota in Case No. PU-15-592.

Please contact me at 701.222.7856 or tamie.aberle@mdu.com if you have any questions.

Sincerely,

Tamie A. Aberle
Director of Regulatory Affairs

Cc: Alan Welte
Brian Ulberg

Attachment

1 **PU-18-105** Filed: 3/21/2018 Pages: 2
Certificate of Operation ending 12-31-2017

Montana-Dakota Utilities Co., a Division of MDU Resources
Group, Inc.
Tamie Aberle, Director of Reg. Affairs

Montana-Dakota Utilities Co., a division of MDU Resources Group, Inc.
Certificate of Operation for Thunder Spirit Wind
Production for the Calendar Year 2017

STATE OF NORTH DAKOTA)
)ss.
COUNTY OF BURLEIGH)

AFFIDAVIT OF Alan Welte

I, Alan Welte, being first duly sworn, deposes and states as follows:

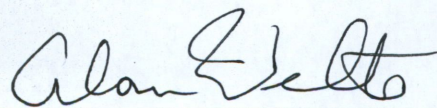
1. I am a person of legal age and a citizen of the United States.

2. Below is production data for the Thunder Spirit wind facility located near Hettinger, North Dakota for the calendar year 2017, which is true and correct to the best of my knowledge, information and belief:

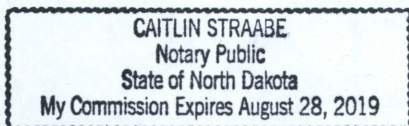
- A. Nameplate generating capacity: 107.5 MW
- B. Annual capacity factor: 45.5%
- C. Annual megawatt hour output: 428,329
- D. Monthly megawatt hour output:

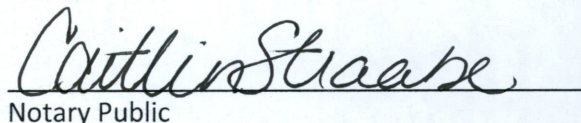
January 2017	48,636	July 2017	30,018
February 2017	31,676	August 2017	23,801
March 2017	34,743	September 2017	29,488
April 2017	28,832	October 2017	46,733
May 2017	33,768	November 2017	39,615
June 2017	29,913	December 2017	51,106

Dated this 20 day of March, 2018.



Subscribed and sworn to before me this 20th day of March, 2018.





Notary Public

OF COUNSEL:
Karl A. Liepitz
Assistant General Counsel
MDU Resources Group, Inc.
P. O. Box 5650
Bismarck, ND 58506-5650