



March 9, 2021

Mr. Steve Kahl, Executive Director
North Dakota Public Service Commission
600 East Boulevard; Department 408
Bismarck, ND 58505-0480

RE: 2020 Certificate of Operation
Minot Wind and PrairieWinds ND1
Case No. PU-10-78

Dear Mr. Kahl:

Basin Electric owns and operates two wind energy facilities (Minot Wind and PrairieWinds ND1) in Ward County, North Dakota. Because of geographic proximity and similar age, the decommissioning plan and cost estimate for the two facilities was combined into a single plan, most recently approved by the North Dakota Public Service Commission in December, 2019 under Case No. PU-10-78.

Pursuant to NDAC 69-09-09-03, the Certificate of Operation for 2020 for the referenced facilities is enclosed.

The southernmost NORDEX turbine (part of Minot Wind) did not generate energy in 2020. In accordance with NDAC 69-09-09-02, Basin Electric provides the following written explanation for the non-generating wind turbine:

Basin Electric has been working with the German manufacturer (NORDEX) to identify the parts and technical resources to repair the turbine. Basin Electric also contacted a third-party vendor in Germany that carries some of the older, hard-to-find parts. Due to the age of the equipment and the COVID-19 pandemic, finding parts and technical support services from overseas has been challenging; nonetheless, Basin Electric continues its efforts to return the turbine to operation in 2021.

If you have any questions or require additional information, please contact me at ksolie@bepc.com or 701.557.5495.

Sincerely,

A handwritten signature in blue ink that reads "Kevin L. Solie".

Kevin L. Solie, P.E.
Senior Environmental Compliance Administrator

Enclosures

cc: Joe Fiedler
Casey Jacobson

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Certificate of Operation

Basin Electric Power Cooperative
Kevin Solie, P.E.

CERTIFICATE OF OPERATION
NORTH DAKOTA ADMINISTRATIVE CODE § 69-09-09-03
BASIN ELECTRIC POWER COOPERATIVE PU-10-78

I, Kevin L. Solie, Senior Environmental Compliance Administrator, a duly authorized agent of Basin Electric Power Cooperative (**Basin Electric**) that has authority to bind the company in these matters, do hereby certify under oath:

1. Basin Electric owns and operates two wind energy facilities in North Dakota. Minot Wind consists of two (2) NORDEX 1.3 megawatt (**MW**) turbines on 60-meter steel towers installed in 2002 and three (3) 1.5 MW General Electric (**GE**) turbines on 80-meter steel towers installed in 2009. PrairieWinds ND1 consists of seventy-seven (77) 1.5 MW GE turbines on 80-meter steel towers installed in 2009. Because of geographic proximity and similar age, the decommissioning plan and cost estimate for the two facilities was combined into a single plan, most recently approved by the North Dakota Public Service Commission in December, 2019 under Case No. PU-10-78.

2. Pursuant to ND Administrative Code § 69-09-09-01 (2), the following information is provided for the two Basin Electric wind energy facilities for the 2020 calendar year:
 - a. Nameplate generating capacity: 122.6 MW
 - b. Annual capacity factor: 36.0%
 - c. Annual megawatt hour output: 383,290
 - d. Monthly megawatt hour (**MWh**) output:

Month	Output (MWh)
January	37,207
February	34,863
March	36,697
April	29,740
May	29,148
June	25,407
July	23,693
August	24,447
September	36,375
October	31,606
November	36,972
December	37,135

Dated at Bismarck, North Dakota this day of March 9, 2021.



Kevin L. Solie, P.E.
Senior Environmental Compliance Administrator

