

August 3, 2018

**VIA ELECTRONIC FILING**

Ms. Patricia Van Gerpen  
Executive Secretary  
South Dakota Public Utilities Commission  
500 E Capitol Ave  
Pierre, SD 57501-5070

**RE: Application to the South Dakota Public Utilities Commission for a Facility  
Permit for the Crocker Wind Farm  
EL 17-055**

Dear Ms. Van Gerpen:

In accordance with paragraphs 23 and 30 of the Permit Conditions approved by the South Dakota Public Utilities Commission (“Commission”) and included as Attachment A to its June 12, 2018 Final Decision and Order Granting Permit to Construct Facilities and Notice of Entry (“Order”) in the above-referenced docket, Crocker Wind Farm, LLC (“Crocker”) submits the enclosed documents:

1. Affidavit of Melissa Schmit Providing Notice of Turbine Adjustments Up to 325 Feet (Permit Condition Paragraph 23);
2. Exhibit A – Maps of Turbine Adjustments (Public and Confidential Versions) (Permit Condition Paragraph 23);
3. Exhibit B – Summary of Turbine Adjustment Requirement Compliance (Permit Condition Paragraph 23);
4. Exhibit C – Addendum to the Sound Level Assessment (Permit Condition Paragraph 30(b));
5. Exhibit D – Updated Shadow Flicker Assessment (Permit Condition Paragraph 30(c));
6. Updated Figure 2a-d, showing the most current preconstruction design, layout, and plans (Permit Condition Paragraph 30(a)); and
7. Certificate of Service.

Crocker has selected the GE 2.72-116 turbine model, which has the following specifications (*see* Permit Condition Paragraph 30(a)):

Attorneys & Advisors  
main 612.492.7000  
fax 612.492.7077  
fredlaw.com

Fredrikson & Byron, P.A.  
200 South Sixth Street, Suite 4000  
Minneapolis, Minnesota  
55402-1425

Characteristic	GE 2.72-116
Nameplate capacity (kW)	2720
Hub height (m) <sup>1</sup>	90
Rotor Diameter (m)	116
Total height (m) <sup>2</sup>	148
Cut-in wind speed (m/s) <sup>3</sup>	3
Rated capacity wind speed (m/s) <sup>4</sup>	11
Cut-out wind speed (m/s) <sup>5</sup>	25
Maximum sustained wind speed (m/s) <sup>6</sup>	52.5
Wind Swept Area (m <sup>2</sup> )	10,568
Rotor speed (rpm)	8.0-15.7

*GE = General Electric*

*kW = kilowatts*

*m = meters*

*m/s = meters per second*

*rpm = rotations per minute*

- <sup>1</sup> *Hub height = the turbine height from the ground to the top of the nacelle.*
- <sup>2</sup> *Total height = the total turbine height from the ground to the tip of the blade in an upright position.*
- <sup>3</sup> *Cut-in wind speed = wind speed at which turbine begins operation*
- <sup>4</sup> *Rated capacity wind speed = wind speed at which turbine reaches its rated capacity*
- <sup>5</sup> *Cut-out wind speed = wind speed above which turbine shuts down operation*
- <sup>6</sup> *Maximum sustained wind speed = wind speed up to which turbine is designed to withstand*

These specifications are the same as the specifications for the GE 2.5-116 turbine model presented in the Application. Please note that the information provided above pertains only to the initial phase of the Project to be constructed.

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If you have any questions, please let me know.

Sincerely,

*/s/ Mollie M. Smith*

Mollie M. Smith

*Attorney at Law*

**Direct Dial:** 612.492.7270

**Email:** [msmith@fredlaw.com](mailto:msmith@fredlaw.com)

Enclosures

cc: Service List (*via e-mail*)

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