

STATE OF NORTH DAKOTA
PUBLIC SERVICE COMMISSION

Sunflower Wind Project, LLC
Wind Energy Conversion Facility – Stark & Morton
Siting Application

Case No. PU-14-105

AFFIDAVIT OF SERVICE REGULAR OR ELECTRONIC MAIL

STATE OF NORTH DAKOTA
COUNTY OF BURLEIGH

Kathy Acker deposes and says that:

she is over the age of 18 years and not a party to this action and, on the **12th day of January, 2015**, she deposited in the United States Mail, Bismarck, North Dakota, 17 envelopes by first class mail, fully prepaid and 42 addressees electronically mailed a copy of:

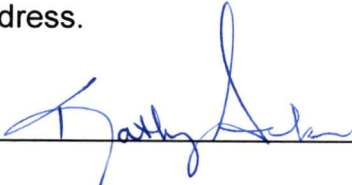
Supplemental Order


The envelopes and electronic mails respectively were addressed as follows:

See attached list.

Each post office address shown is the respective addressee's last reasonably ascertainable post office address and each email address is the respective addressee's last reasonably ascertainable electronic mailing address.

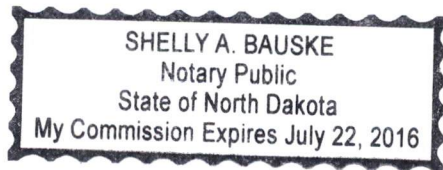
Subscribed and sworn to before me
this **12th day of January, 2015**.





Notary Public

SEAL



**STATE OF NORTH DAKOTA
PUBLIC SERVICE COMMISSION**

**Sunflower Wind Project, LLC
Wind Energy Conversion Facility – Stark & Morton
Siting Application**

Case No. PU-14-105

**SUPPLEMENTAL ORDER
January 7, 2015**

On June 25, 2014 the Commission issued Certificate of Site Compatibility No. 39 to Sunflower Wind Project, LLC authorizing construction of a 110 MW Sunflower Wind Energy Project, LLC using either of two site plans consisting of up to 55 Vestas V-110 2.0 MW turbines or 59 General Electric 1.85-87 turbines and associated facilities in Stark and Morton Counties of North Dakota.

On October 16, 2014, Sunflower Wind Project, LLC filed an application for a third site plan option consisting of up to 55 Vestas V-100 2.0 MW turbines and associated facilities in revised locations within the previously-designated project area.

On November 6, 2014 the Commission deemed the application complete and issued a Notice of Filing, Notice of Informal Hearing and Notice of Opportunity for Hearing, which provided until December 18, 2014 for receiving written comments and requests for hearing. The notice identified the following issues to be considered:

1. Will the location, construction, and operation of the proposed facilities produce minimal adverse effects on the environment and upon the welfare of the citizens of North Dakota?
2. Are the proposed facilities compatible with the environmental preservation and the efficient use of resources?
3. Will the proposed facility locations minimize adverse human and environmental impact while ensuring continuing system reliability and integrity and ensuring that energy needs are met and fulfilled in an orderly and timely fashion?

On December 16, 2014 the Commission discussed this matter with Commission staff and the Applicant at an informal hearing as noticed.

Sunflower Wind requests approval of a third site plan option with turbine locations shifted slightly to optimize the layout for the Vestas V-100 turbines. The Vestas V-100 turbines have a name plate generating capacity of 2.0 MW, a hub height of 80 meters (262.5 feet) and a rotor diameter of 100 meters (328 feet) equating to a total turbine height of 130 meters (426.5 feet), which is within the range of turbine heights evaluated for the originally-approved site plans.

No impact is anticipated on any exclusion or avoidance areas identified within the project area. Sunflower Wind is performing a Class III historical resource survey of all locations not previously surveyed and will provide the results to the State Historical

Society of North Dakota (SHPO) for concurrence. Sunflower Wind will avoid all sensitive sites that are identified.

Sunflower Wind performed updated acoustic noise and shadow flicker studies for the proposed Vestas V-100 layout with turbines modeled in all proposed and alternate locations though not all locations would be constructed. The acoustic studies indicated that worst-case noise levels at all residential receptors are expected to be below the Commission's avoidance area threshold of 50 dBA at a distance of 100 feet from residences. The shadow flicker studies indicated a worst-case shadow flicker impact of 30.75 hours per year, which was modeled at a project participant residence.

The application submitted by Sunflower Wind meets the site evaluation criteria required by North Dakota Century Code Chapter 49-22.

The location, construction, and operation of the proposed facilities will produce minimal adverse effects on the environment and upon the welfare of the citizens of North Dakota.

The proposed facilities are compatible with the environmental preservation and the efficient use of resources.

The proposed facility locations will minimize adverse human and environmental impact while ensuring continuing system reliability and integrity and ensuring that energy needs are met and fulfilled in an orderly and timely fashion.

The proposed project is of such design, location, and purpose that it will produce minimal adverse effects.

Order

The Commission Orders:

1. First Amended Certificate of Site Compatibility No. 39 is issued to Sunflower Wind Project, LLC authorizing construction of a third option site plan as proposed using Vestas V-100 turbines.
2. Sunflower Wind shall complete historical resource surveys and file a concurrence from SHPO prior to beginning construction in any areas where SHPO has not previously concurred.
3. All provisions and requirements in the Commission's June 25, 2014 Findings of Fact, Conclusions of Law and Order continue to apply except where altered by this Order.

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