

**BEFORE THE PUBLIC UTILITIES COMMISSION  
OF THE STATE OF SOUTH DAKOTA**

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**IN THE MATTER OF THE  
APPLICATION OF DEUEL HARVEST  
WIND ENERGY LLC FOR A PERMIT  
OF A WIND ENERGY FACILITY AND  
A 345-KV TRANSMISSION LINE IN  
DEUEL COUNTY, SOUTH DAKOTA,  
FOR THE DEUEL HARVEST NORTH  
WIND FARM PROJECT**

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**AFFIDAVIT OF MICHAEL  
SVEDEMAN IN SUPPORT OF  
REQUEST FOR APPROVAL  
OF TURBINE  
ADJUSTMENT**

**EL18-053**

STATE OF COLORADO            )  
  ) SS.  
COUNTY OF DENVER            )

I, Michael Svedeman, being first duly sworn on oath, depose and state as follows:

1. I am a Manager of Project Development for Invenergy LLC, which is assisting Deuel Harvest Wind Energy LLC (“Deuel Harvest”) in the development of the Deuel Harvest North Wind Farm Project (“Project”). I have the authority to provide this affidavit on behalf of Deuel Harvest.
2. I am providing this Affidavit pursuant to paragraph 22 of the Permit Conditions approved by the South Dakota Public Utilities Commission (“Commission”) and included as Attachment A to its May 30, 2019 Final Decision and Order Granting Permit to Construct Facilities; Notice of Entry (“Order”) in the above-referenced docket.
3. Since issuance of the Order, Deuel Harvest has determined that one (1) turbine adjustment greater than 250 feet from the location approved by the Commission is needed for the Project. A map showing the turbine location approved by the Commission and the proposed turbine location is attached hereto as **Exhibit A**. **Exhibit A** contains an updated Project constraints map and individual turbine map.
4. A summary of the proposed modification is provided below:<sup>1</sup>
  - A. Turbine 3 (ORIGINAL-T3) has been adjusted 691 feet to the south to ensure shadow flicker compliance. Field survey work identified a house that was recently constructed on the property where Turbine 3 is located.

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<sup>1</sup> The turbine ID numbers used in this filing are the numbers that are being used during Project construction (e.g., “Turbine 3”). The “Original” turbine ID numbers were those used during Project development (e.g., “ORIGINAL-T3”). A Turbine ID Key is attached as **Exhibit E**. The receptor ID numbers remain unchanged from those used in Exhibit A1 7-1 (Updated Pre-Construction Wind Turbine Noise Analysis) and Exhibit A18-1 (Updated Shadow Flicker Analysis).

5. **Exhibit A** identifies the locations of environmental avoidance areas, including cultural resources and wetlands, in relation to the Project adjustment. In addition, **Exhibit B** provides a chart showing the distances of the turbine from residences, property lines, and roads. As shown in **Exhibits A** and **B**, the proposed turbine adjustment complies with county and state setback requirements, cultural resource impacts and documented habitats for listed species are avoided, and wetland impacts are avoided or are in compliance with applicable U.S. Army Corps of Engineers regulations.
6. The proposed turbine adjustment complies with the specified noise and shadow flicker requirements set forth in paragraphs 26 and 40 of the Permit Conditions. Spreadsheets providing the updated noise and shadow flicker modeling results for the entire Project are attached as **Exhibit C** and **Exhibit D**, respectively.
7. All modifications are located on land under lease/easement for the Project.
8. With respect to the Project, including the proposed adjustment described herein, Deuel Harvest will comply with the Commission's Order, and all other applicable regulations and requirements.
9. Based on the foregoing, Deuel Harvest requests approval of the one (1) proposed turbine adjustment.

FURTHER AFFIANT SAYETH NOT.

Dated this 27 day of APRIL, 2020.



Michael Svedeman

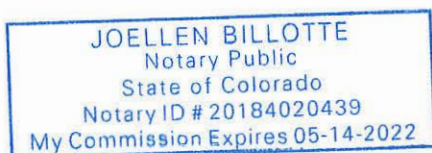
State of Colorado

County of Denver

Subscribed and sworn (or affirmed) to before me on this 27 day of April, in the year 2020, by Michael Svedeman.

Witness my hand and official seal

(Seal)




Notary Public

My Commission Expires: 5.14.22