BEFORE THE PUBLIC UTILITIES COMMISSION OF THE STATE OF SOUTH DAKOTA

REQUEST FOR TRANSFER OF THE LARGE WIND ENERGY CONVERSION SYSTEM SITE PERMIT FOR THE 302.4 MW DAKOTA RANGE I AND II WIND ENERGY FACILITY Docket No. EL18-003

AFFIDAVIT OF DARIN W. SCHOTTLER

STATE OF MINNESOTA)
) SS.
COUNTY OF HENNEPIN)

- I, Darin W. Schottler, being first duly sworn under oath, state and allege as follows:
- 1. I am employed by Xcel Energy Services, Inc., which is a subsidiary of Xcel Energy Inc., a registered public utility holding company, and an affiliate of Northern States Power Company (NSP, or the Company). My business address is 414 Nicollet Mall, Minneapolis, Minnesota 55401. My title is Director of Regional Capital Projects.
- 2. I am providing this Affidavit pursuant to Permit Condition 22 of the Site Permit issued by the South Dakota Public Utilities Commission (Commission) July 23, 2018 in its Final Decision and Order Granting Permit to Construct Wind Energy Facility; Notice of Entry.
- 3. The Commission's Site Permit approved a 72-wind turbine array consisting of Vestas V136-4.2 MW turbine layout with an 82-meter hub height and 136-meter rotor diameter. Although the Company continues to intend to construct 64 Vestas V136 4.2 MW turbines, we are planning to modify our design for the other 8 turbines. Seven of these turbines will be Vestas V136-3.6 MW turbines and one will be a Vestas V120-2.2 MW turbine. The Vestas V136-3.6 MW turbines have an 82-meter hub height and 136-meter rotor diameter. The V120-2.2 MW turbine has an 80-meter hub height and 120-meter rotor diameter. Specifically, we intend to change the turbines identified with the following WTG IDs: T-001, T-007, T-015, T-022, T-024, T-045, T-067, and T-070. The new design for turbines T-001, T-007, T-015, T-022, T-045, T-067, and T-070 will be Vestas V136-3.6 MW units, and turbine T-024 is planned to be a Vestas V120-2.2 MW unit.
- 4. The turbine locations identified in Attachment B to this filing have not changed materially (by more than 250 feet), and only the following turbines are moving locations at all: T-006, T-020, T-021, T-024, and T-046, each by

approximately 50 feet. The Company has updated the Shadow Flicker and Noise studies with the updated turbine technology and locations, confirming that the change of technology for these eight turbines will continue to comply with all applicable noise and shadow flicker requirements and commitments. Additionally, the Company has confirmed the adjustments to turbine technology comply with county and state setback requirements, avoid or minimize cultural resource impacts, adhere to environmental setbacks, and avoid wetland impacts.

- 5. Since the turbine model change does not meet the non-material turbine adjustment limitations specified in Permit Condition 22 of the July 23, 2018 Site Permit, the turbine model change constitutes a "material change," requiring the Company to file a request for approval containing the information set forth in Permit Condition 22. The requisite information is provided in the following paragraphs:
 - Included as Attachment B to this filing is an Updated Project Map reflecting approved locations and proposed adjustments for the eight turbines (of the turbines for which we are seeking a "material change," only T-024 is shifting locations, and only by approximately 50 feet);
 - Included as Attachment C to this filing is an Updated Sound Analysis report reflecting the proposed turbine changes, and demonstrating compliance with the sound level requirements set forth in Permit Condition 27;
 - Included as Attachment D to this filing is an Updated Shadow Flicker report reflecting the proposed turbine changes, and demonstrating compliance with the shadow flicker requirements set forth in Permit Condition 29.
- 6. The Project turbines continue to be located on land under lease/easement by the Company for the Project.
- 7. With respect to the project, including the proposed turbine model change described for the eight turbines herein, the Company will comply with the Commission's Order and all other applicable regulations and requirements.
- 8. Based on the foregoing, the Company requests approval of the proposed turbine model changes for the eight safe harbor turbines.

FURTHER AFFIANT SAYETH NOT.

Dated this 31 day of July, 2020.

Darin W. Schottler

Subscribed and sworn to before me this 3/day of July, 2020.

otary Public

My Commission Expires: 01-31-202

MY COMMISSION EXPIRES JAN 31, 26