

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

**IN THE MATTER OF THE)
APPLICATION OF CROWNED)
RIDGE WIND, LLC FOR A) AFFIDAVIT
PERMIT OF A WIND ENERGY)
FACILITY IN GRANT)
AND CODINGTON COUNTIES)**

EL-19-003

**AFFIDAVIT OF
JOSHUA TRAN**

1. I am a Project Director for Engineering and Construction at NextEra Energy Resources, LLC (“NEER”). I am an engineering and construction supervising the commissioning of the Crowned Ridge Wind, LLC (“Crowned Ridge Wind”) wind facility (“Project”). Crowned Ridge Wind is an indirect wholly-owned subsidiary of NEER. I have 10 years of experience in the engineering and construction of wind facilities, and have worked on over 50 wind projects over this time period.
2. At this time, low noise tailing edge (“LNTE”) attachments have been installed on the following wind turbines at the Project: 20, 22, 24, 25, 31, 32, 36, and 53.
3. I am familiar with the installation parameters for LNTE. Crowned Ridge Wind has stopped installing LNTE on more wind turbines due to weather conditions in the project area.
4. The optimum weather conditions to install LNTE attachment include the following: (1) the relative humidity shall be <90% for the duration of the installation; (2) there shall be no moisture or ice on the blade surface; (3) blade surface temperature shall be >50°F (10°C) during installation; (4) ambient temperature shall be >50°F (10°C) during installation and for at least 1 hour following installation; and (5) blade surface temperature shall be 6°F (3°C) > Dew Point Temperature for the duration of the installation.
5. It takes a 4 person crew between 3-4 days to assembly the LNTE attachment to three wind blades. To install LNTE in less than optimum weather conditions could impact (1) the safety of the 4 person crews and (2) the effectiveness of the LNTE attachments, including the ability for the attachment to adhere and stay in place on the blade.
6. As weather conditions permit, Crowned Ridge Wind will mobilize as many crews as practicable to install the LNTE attachments on all wind turbine blades in a safe manner. It is likely to take until late Spring or early Summer 2020 to complete all LTNE attachments.


7. The Crowned Ridge Wind turbines are equipped with software that allows them to be automatically curtailed at pre-set parameters. The following turbines will be programmed to shut down at wind speeds above 9 meters per second 21, 29, 37, 44, 48, and 95. These turbines will be curtailed in this manner until LNTE is installed on the following turbines 21, 29, 33, 37, 41, 44, 46, 48, 50, 61, 63, 64, 66, and 95, so that Crowned Ridge Wind is in full compliance with the sound requirements in the Final Order with the use of the LNTE blades.

STATE OF FLORIDA)

) ss

COUNTY OF PALM BEACH)

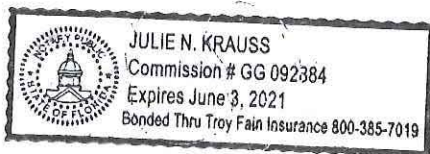
I, Joshua Tran, being duly sworn on oath, depose and state that that the statements in my Affidavit are true to the best of my knowledge, information and belief.


Joshua Tran

Subscribed and sworn to before me this 13th day of December 2019.

SEAL


Notary Public



My Commission Expires _____