BEFORE THE PUBLIC UTILITIES COMMISSION OF THE STATE OF SOUTH DAKOTA

) TO STAFF'S FIFTH SET O) DATA REQUESTS TO	IN THE MATTER OF THE APPLICATION BY CROWNED RIDGE WIND, LLC FOR A)	EL19-003
) TO STAFF'S FIFTH SET O) DATA REQUESTS TO	PERMIT OF A WIND ENERGY FACILITY)	
) DATA REQUESTS TO	IN GRANT AND CODINGTON COUNTIES)	APPLICANT'S RESPONSES
/)	TO STAFF'S FIFTH SET OF
) CROWNED RIDGE WIND, I)	
)	CROWNED RIDGE WIND, LLC

5-1) Referring to Crowned Ridge's response to Staff data request 3-2, please provide a copy of the GE Safety Manual. The original response only included a copy of the operating manual.

Response: Please see Confidential Attachment 1.

Respondent: Mark Thompson, Manager of Wind Engineering

5-2) Please identify if an ice detector and/or ice detection system will be used for the wind turbines. If an ice detection system will be used, please explain what turbine parameters will be monitored and how the turbine's control system will know when ice is accumulating on the blades.

Response: Yes, an ice detector and ice detection system will be used for all Crowned Ridge Wind wind turbines. More specifically, the turbine is capable of detecting ice buildup on the blades by activating sensors that compare wind speed, ambient temperature and rotor (blade) rpm to the power output of the turbine. If the ice buildup is at a level that causes the turbine output to be outside expected limits set by GE, the turbine will automatically shut down. In addition, ice buildup can be detected through higher than normal vibration, in which case the turbines will shut down automatically.

Respondent: Mark Thompson, Manager of Wind Engineering

5-3) Will Mr. and Ms. Tim Lindgren's easement option expire prior to construction? If the easement option will expire, please identify what impact that will have on the project layout if the easement is not renewed. If the easement will not expire, please identify the expiration date.

Response: Yes, while the option is in effect today, assuming Crowned Ridge Wind does not exercise the option prior to it expiring and that Mr. and Ms. Lindgren do not elect to renew their easement option, the Lindgren's easement option would expire prior to construction of the Project. Upon expiration of the easement option, the two proposed turbine locations and associate facilities would be removed from the Lindgren property in its entirety and the Applicant would utilize two alternate turbine locations proposed in the Project Area.

Respondent: Tyler Wilhelm, Project Manager

5-4) Is Crowned Ridge aware of any additional easement options that may expire prior to the planned start of construction? If yes, please identify when Crowned Ridge will know if those landowners decide to renew.

Response: Yes. The Applicant expects to know if those landowners will elect to renew their easement options by June 20, 2019.

Respondent: Tyler Wilhelm, Project Manager

5-5) Provide an updated Figure 3, Project Map, that properly reflects the Thompson property as not participating and the location the underground collector line will be relocated to.

Response: See Attachment 1.

Respondent: Tyler Wilhelm, Project Manager

Dated this 23rd day of May, 2019.

Miles F. Schumacher

Attorneys for Applicant

Lynn, Jackson, Shultz & Lebrun, PC 110 N. Minnesota Ave., Suite 400

Sioux Falls, SD 57104