BASIN ELECTRIC POWER COOPERATIVE
A Touchstone Energy® Cooperative

September 22, 2026

Public Utilities Commission
Capitol Building, 1st Floor
500 E Capitol Ave.
Pierre, SD 57501-5070

Re: Notification of Basin Electric Power Cooperative's Proposed Prairie Winds SD1 Repowering Project

To Whom It May Concern,

Basin Electric Power Cooperative (Basin Electric) proposes the Prairie Winds SD1 Repowering Project (Project), an equipment upgrade of the existing Prairie Winds SD1 Wind Farm. The existing facility is located on an approximately 37,000-acre site in Aurora, Brule, and Jerauld Counties, South Dakota, approximately one-half mile south of Crow Lake. The Project involves repowering the existing wind turbine generators to extend each turbine's operating life and improve energy production. The purpose of this letter is to provide notification of the Project. Basin Electric plans to submit an amended facility permit application for the Project to the South Dakota Public Utilities Commission (SDPUC).

In July 2010, the SDPUC issued a facility permit for the Prairie Winds SD1 Wind Farm in Docket No. EL09-028, authorizing construction of 108 wind turbine generators with an aggregate nameplate capacity of 160 megawatts (MW), together with associated access roads, an underground 34.5-kilovolt collection system, the Crow Lake Collection Substation, an operations and maintenance building, and approximately 13 miles of 230-kilovolt transmission line interconnecting to the Western Area Power Administration Wessington Springs Substation. The facility has been in commercial operation since 2011.

The proposed Project upgrades the existing General Electric (GE) 1.5-77 wind turbine generators (WTGs) to GE 1.6-97 WTGs, utilizing GE Vernova repowering kits. Each kit includes a new blade set that will increase the rotor diameter from 77 meters (252.6 feet) to 97 meters (318.2 feet), a complete hub, main shaft, main bearing assembly, and gearbox, together with generator refurbishment. The existing foundation and tower will remain in place. The total height of each upgraded turbine, measured to the vertical blade tip, will increase from 118.5 meters (389 feet) to 128.5 meters (421.6 feet). Turbine locations, turbine count, the collection system, the collection substation, and the transmission interconnection will not change.

The repower would increase the maximum output capacity of each WTG from 1.5 MW to 1.6 MW, generate a more efficient power curve providing increased output at lower wind speeds when compared to non-repowered turbines, and extend the end of life of the turbines by approximately 20 years.

We are soliciting input from your agency or entity regarding any sensitive resources, current or planned development, or property interests your agency or entity may have in or around the Project that should be considered as it moves forward with development. In addition, we ask that you provide information regarding any applicable permits that may be required from your office. Basin Electric respectfully requests your response within 30 days of receipt of this letter. If no reply is received in response to this letter, it will be assumed that you have no comment on the Project. Copies of all correspondence received in response to this letter will be included with the SDPUC application. Basin Electric requests your consideration of the Project area as shown on the attached Project Overview Map.

Basin Electric has contracted with Merjent, Inc. on this Project to provide environmental consulting support. If you have any questions regarding this request or require additional information to complete your review, please do not hesitate to contact me at 563-231-2496 or by email at Jessica.WilkeningTravis@merjent.com at your convenience.

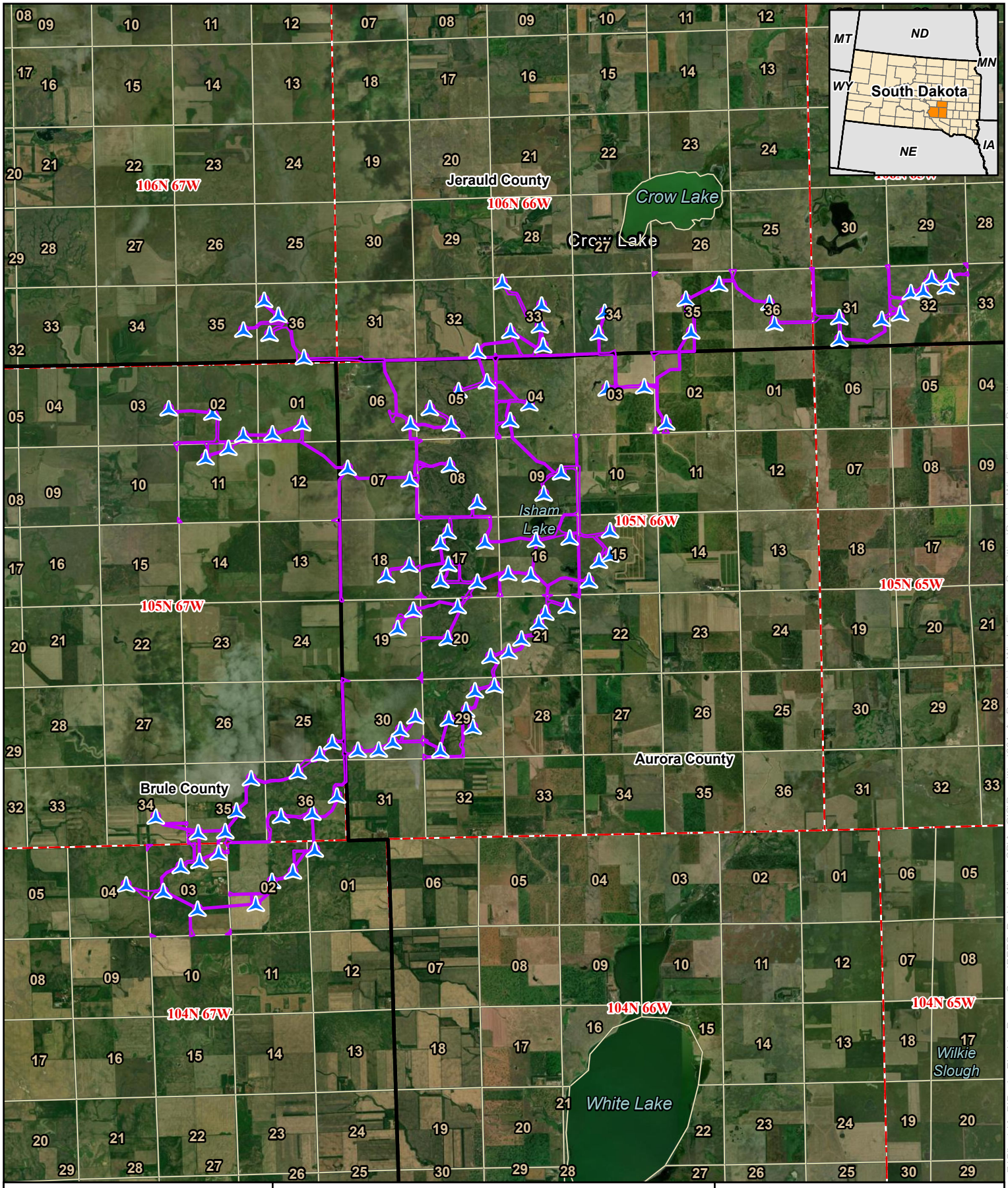
Sincerely,



Jessica Wilkening Travis
Project Manager
Tipton, Iowa
Pittsboro, North Carolina
563.231.2496 direct
563.920.0425 mobile
jessica.wilkeningtravis@merjent.com

merjent.
1 Main Street SE, Suite 300
Minneapolis, MN 55414
612.746.3660 main
www.merjent.com

Enclosure: Project Overview Map



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merjent

For Environmental Review Purposes Only

Project Overview Map

Prairie Winds SD1 Repowering Project

Basin Electric Power Cooperative

Aurora, Brule, & Jerauld Counties, South Dakota

- Wind Turbines
- Prairie Winds - South Dakota, Limits of Disturbance (LOD)
- PLSS Township
- PLSS Section
- County Boundary

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Date: (9/14/2026)