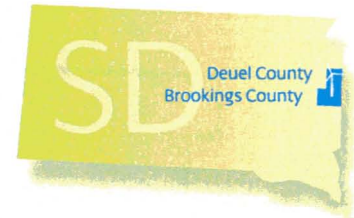


# BUFFALO RIDGE II

## Wind Power Project



### Project Overview

The Buffalo Ridge II Wind Project will be located in northeastern Brookings County and southeastern Deuel County, South Dakota. The project will be up to 306 megawatts (MW) in size and will generate enough power to supply more than 100,000 homes.

The project will support the local economy through lease payments to local landowners and property tax payments to state and local governments. Numerous jobs will be created during the project construction. While the project area will encompass approximately 49,000 acres (77 sections), the actual footprint is approximately 77 acres; less than one percent of the total project area acreage.

### Project Details

**Project Capacity:** Up to 306 MW

**Turbine Type:** To be determined (1.5 to 2.4 MW size)

**Number of Wind Turbines:** up to 153 2.0-MW turbines (alternately, up to 204 1.5-MW or 127 2.4-MW turbines)

**Hub Height:** 80 m (262 ft) to 100 m (328 ft)

**Rotor Diameter:** 78 m (256 ft) to 95 m (312 ft)

**Height from ground to tip of blade:** 119 m (390 ft) to 147.5 m (484 ft)

**Access Roads:** Low-profile, gravel, 16 feet wide.

**Electrical System:** Underground and overhead electric collector lines, two project substations, and approximately 13-miles of 115 kV transmission line.

**Interconnection:** Xcel Energy Brookings County Substation

**Other facilities:** Operations and Maintenance Facility, one to two permanent meteorological towers, SODAR unit, and a buried fiber optic control (SCADA) system.

### Project Construction

Iberdrola Renewables will hire a civil contractor and an electrical contractor to construct the project. At the peak of construction up to 130 workers will be hired by the contractors.

### Economic Benefit

**Construction:** Project construction will increase revenue for some local businesses such as ready-mix concrete and gravel suppliers, hardware stores, welding and machine shops, packaging and postal services, and heavy equipment repair and maintenance service providers. In addition, construction workers are likely to spend money at local hotels, restaurants, gas stations, and grocery stores.

**Operation:** Iberdrola Renewables will hire and train staff from the local community to maintain the wind farm. Operation and maintenance of the facility will require 15-20 permanent positions.

### Community

Community benefits include an increase to the state's tax base resulting from the incremental increase in revenues from property taxes, which are based on the value of the facilities. Additionally, participating landowners will receive payments through the life of the project.

### Developer and Owner: Iberdrola Renewables

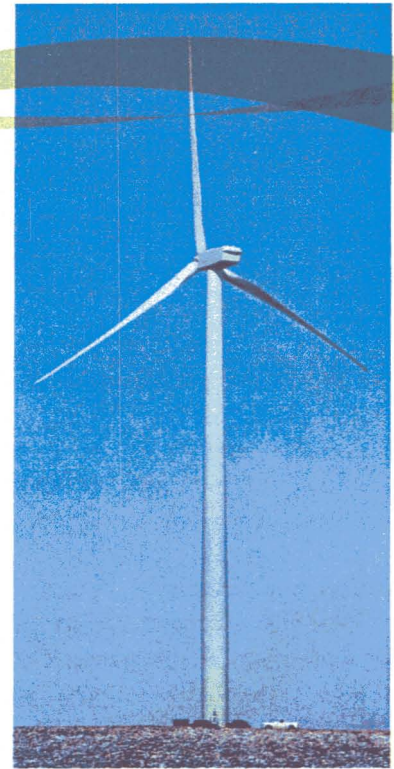
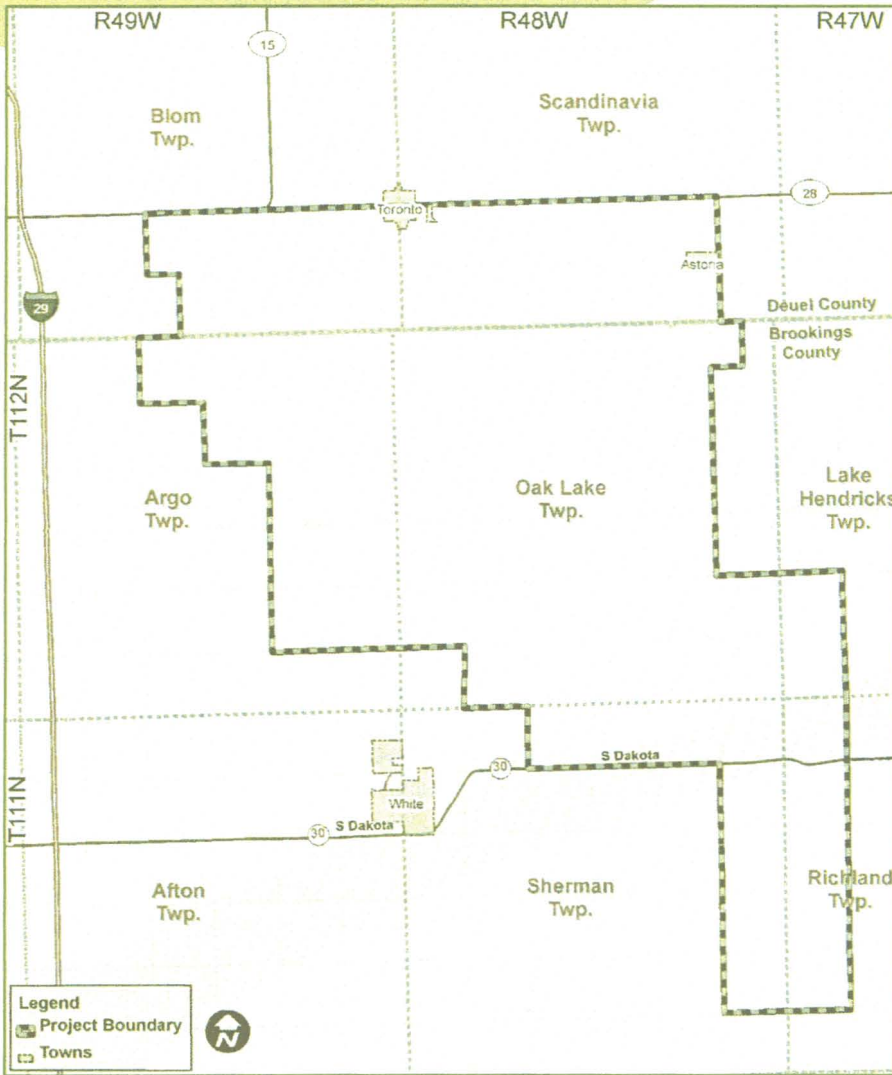
Iberdrola Renewables is the largest wind power owner-operator in the world with more than 8,000 MW of wind power online worldwide. Iberdrola Renewables developed and operates the MinnDakota Wind Power Project and is constructing the Buffalo Ridge I Wind Power Project in Brookings County, South Dakota.





# BUFFALO RIDGE II Wind Power Project

## Proposed Project Area



♻️ printed on recycled paper

## Environmental Stewardship

Iberdrola Renewables is working with agencies, landowners, and the community to help ensure the project will blend with traditional farming and provide conservation of wildlife. Specifically, Iberdrola Renewables has:

- Conducted landowner meetings seeking landowner input to identify farming needs in relation to the site layout.
- Communicated with agencies seeking their input on project development, construction, and operation.
- Refined the site layout to conserve wildlife using results of site-specific studies on birds, butterflies, bats, threatened and endangered species, wetlands, and important habitat.



**IBERDROLA  
RENEWABLES**

[www.iberdrolarenewables.us](http://www.iberdrolarenewables.us)