ELM CREEK II Wind Power Project

IBERDROLA RENEWABLES

Project Details

Project Capacity: 148.8 megawatts (MW), providing electricity to approximately 40,000 typical American homes each year.

Number of wind Turbines: 62

Project Location: Near Jackson, Minnesota, in Jackson and Martin Counties.
The project will encompass about 12,500 acres of land leased from local landowners. The land will continue to be used for corn and soybean farming.

Developer and Owner

Iberdrola Renewables is the world's leading provider of wind power with almost 10,000 MW in operation globally and more than 3,600 MW in the United States.

Customer

To be determined.

Technology

Wind Turbine Type: Mitsubishi 2.4

Rated Output: 2.4 MW (2,400 kW)

Turbine Height: 418 feet (127.5 meters) as measured from the bottom of the tower to the tip of the highest blade.

Turbine Weight: 117 tons (234,000 lbs.)

Tower Facts: Four section, tubular steel

Tower Height: 263 feet (80 meters)

Tower Weight: 243.5 tons (487,000 lbs.)

Rotor Diameter: 312 feet (95 meters)

Rotor Weight: 37.5 tons (75,000 lbs.)

Revolutions per Minute: 9-20

Foundations

Each individual wind turbine foundation consists of an octagonal spread footing of approximately 62 feet and approximately seven to eight feet deep.

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Balance of Plant Infrastructure

Turbine Access: Approximately 17 miles of gravel-surfaced roads.

Transmission Interconnection

Through the existing Trimont Wind Project Substation.

Construction

Construction commenced May 2010.

Multiple contractors providing: Road and foundation construction, turbine installation, operations and maintenance building, underground and overhead collection system, installation and substation expansion, met tower installation, turbine commissioning, and other construction.

Project Benefits

Households Served: Elm Creek II will potentially meet the annual energy needs of approximately 40,000 typical American homes each year with clean, renewable energy. It will also help meet Minnesota's law requiring 25 percent of electricity sold to be generated by renewable sources by the year 2025.

Local Economic Benefits

Taxes paid by the existing Elm Creek and Trimont Area Wind Projects: $700,000 – $800,000 annually.

Estimated taxes to be paid by the Elm Creek II Project: $550,000 – $710,000 annually.

Local landowner payments paid by the existing Elm Creek and Trimont Area Wind Projects: Approximately $1.5 million annually.

Estimated local landowner payments to be paid by the Elm Creek II Project: Approximately $1.0 million – $1.7 million annually.

Project Workforce:

Average 100 – 150 jobs on site during construction. Six to eight new permanent full time operations employees.

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