



Lake Region Electric Cooperative

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The Solar Wind Hybrid project proposed in Dunn Township is being developed by Juhl Energy Development, Inc., in cooperation with Lake Region Electric Cooperative.

The proposed project will utilize the latest technology from General Electric, including their Wind Integrated Solar Energy (WiSE) system which allows solar energy to be converted and/or curtailed via the same inverter and control system used by a GE wind turbine. This allows for a more steady production of electricity for distribution to the grid.

Lake Region would be the purchaser of the power from the project. This project would allow Lake Region to purchase locally generated renewable energy for immediate distribution and use through their local infrastructure, helping them and their members' hedge long-term energy costs, with energy generated with no fuel, no emissions, no waste, no water and no transmission costs and save approximately \$150,000 a year in power costs.

Lake Region's role in the project related to purchasing the power under a power purchase agreement and determining where the energy would fit to plug into the distribution system to make use of the production and prevent issues such as back flow; or needing to curtail production. Juhl energy developed the technology and worked to locate sites that would complement the Lake Region substations and infrastructure required to transmit the energy into the system.

The initial location in Scambler Township was identified due to the proximity to the Pelican Lake substation which could best handle the energy and distribute to the members. After multiple discussions with land owners, local organizations, it became clear that the identified location was not desirable; therefore, Juhl looked to a separate location outside of Scambler Township and identified the proposed location in Dunn Township which also would feed into the Pelican Lake substation.

Juhl Energy worked with each of the Townships to follow their zoning ordinances and public hearings related to the project. Additionally, staff from Lake Region met with landowners and other concerned citizens about the project to gather their feedback. This has been a very open and transparent process. The process was designed for public feedback and input into the overall project. At no point has Lake Region, nor Juhl Energy, tried to be non-transparent.

There has been a desire to get permits in place by the end of the calendar year to take advantage of the current low interest rate environment, potential tax benefits, and keep the overall project costs and associated power cost as low as possible; but based upon the feedback both Juhl and Lake Region has been receiving, the project will be cancelled, and the conditional use permit application pulled.