Community-Based Solar & Wind Hybrids

DAN JUHL
Juhl Energy, Inc.
Community-Based Solar/Wind Hybrids

Dan Juhl
Chairman and CEO
www.juhlenergy.com
Juhl Energy, Inc.
Clean Energy Solutions

An Established Leader in Community-Based Renewable Energy Development

Office Locations: Pipestone, MN, Red Lake Falls, MN, Minneapolis MN, Chicago, IL, Milwaukee, WI

Public Company: 2008  Stock Symbol: JUHL
Operating Divisions

Juhl Energy Development, Inc.
- Developed Over $425 Million of Wind/Solar Power to Date and has Completed 23 Community Wind Projects

Power Engineers Collaborative, LLC
- Mechanical & Electrical Engineering and Consulting Resource Integration Services

- Manufactures SolarBank System, Provides Renewable Energy & Advanced Storage Technologies to Utilities, Homes and Business

Juhl Energy Services, Inc.
- Solar & Wind Engineering, Development, Construction Management, Operations Oversight and Maintenance
Focused Expertise
Distributed Renewable Energy

Generating Clean Electricity
with Advanced Technologies

From Multiple Energy Sources
Wind, Solar, Biomas, Storage

Delivers Electric Power To Where it Is
Actually Used
Community Owned Solar/Wind Hybrid Projects 2015

Audubon, MN
Frazee, MN
Red Lake Falls, MN
Warren, MN
Juhl Energy, Inc.

Clean Energy Solutions

Minnesota Project Overview

- SolarWind hybrid electrical energy generation facility with a maximum output capacity of 4.90 megawatts
- Consist of two GE 1.7 MW wind turbines, and 1.5 MW of Solar Photovoltaic panels
- Utilize the same point of interconnect for the wind and solar.
- Located near host community.
- Juhl performs all of the development work required to bring the project to completion.
- Estimated online date end of 2015 – mid 2016
Two GE 1.7 MW WTG’s & 1.5 MW of Solar Array
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Why Communities are Committed to Locally-Produced Renewable Energy

- Keeps Energy dollars in the local economy
- Diversifies their energy supply
- Hedges their long term energy costs
- Creates economic development and jobs
- Pride in Clean, locally produced energy
Future Transportation Fuel
Hybrid Power Systems
Combine multiple sources to deliver non-intermittent electric power

Source: Department of Energy 2012
No Fuel – No Emissions – No Waste
Web Site - www.juhlenergy.com

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