



**NORTHWIND SOLAR**

www.northwindRE.com

## PROJECT STUDY

### Hansen Family Farm

Dorchester, WI

#### Project Objectives:

- ✓ Energy cost savings
- ✓ Increase resiliency of farm
- ✓ Demonstrate commitment to environment and community
- ✓ Increase energy independence

#### Energy & Environment:



**Generates 33,000 kWh/year**

> Offsets 85% of annual energy use



**Offsets 62,421 lbs of CO2/year**

Equivalent to:

- > 31,451 lbs of coal burned per year
- > Carbon sequestered by 28 acres of forest
- > Avoided emissions from 10 tons of landfill



## 25kW Grid Tied, Solar Power System

### (52) QCells 485w Bi-facial PV Modules

- 12-year product warranty
- 30-year performance guarantee
- Assembled in U.S.A.

### (3) Tesla Solar Inverters

- 10-year product warranty

### Sinclair SkyRack Ground Array System

- 25-year warranty
- Made in U.S.A.

### Online Performance Monitoring

#### What's Next...

Contact Northwind Solar to learn how solar can work for you.

Receive a FREE estimate package and review with your organization for preliminary budgeting.

Schedule a no-obligation, on-site visit with our professional design and sales team.





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## Project Incentives

- ✓ Focus On Energy Rebate
- ✓ USDA REAP Grant
- ✓ MACRS Accelerated Depreciation
- ✓ Federal Tax Credit

## Financial Performance

**Total Project Cost:** **\$74,000**  
*Installed Solar Cost* *\$2.93/watt*

Focus On Energy Rebate: -\$6,785  
USDA REAP Grant: -\$37,000  
MACRS Accelerated Depreciation: -\$13,209  
Federal Tax Credit: -\$9,065

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**Net System Cost:** **\$7,941**

Estimated Years to Cost Recovery: 2.5 years  
Utility Cost of Energy: \$0.121/kWh  
30-Year Levelized Cost of Energy\*: \$.009/kWh



## \*Levelized Cost of Energy

Solar PV technology allows an owner to "fix" the cost of electricity produced over the lifetime of the installed equipment. Without solar, customers pay ever-increasing retail rates of energy to their utility provider. The Levelized Cost of Energy represents the cost-per-kWh of solar-derived electricity. In short, the levelized cost of energy is the net system cost divided by the total lifetime energy produced.

### Northwind Solar

www.northwindRE.com  
info@northwindre.com  
P. 715-630-6451



**Northwind Solar is a  
worker-owned cooperative!**