



NORTHWIND SOLAR

www.northwindRE.com

PROJECT STUDY

Kolbe Windows & Doors

Wausau, WI

Project Objectives:

- ✓ Energy cost savings
- ✓ Increased business resiliency
- ✓ Demonstrate commitment to environment and community
- ✓ Increase energy independence

Energy & Environment:



Generates 1,263,755 kWh/year

> Offsets 31.8% of annual energy use



Offsets 2,228,197 lbs of CO2/year

Equivalent to:

- > 1,122,693 lbs of coal burned per year
- > Carbon sequestered by 1,014 acres of forest
- > Avoided emissions from 357 tons of waste recycled instead of landfilled



1MW Grid Tied, Solar Power System

(2,061) QCells Q.Peak 485w PV Modules

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

(12) CPS 60 kW Inverters

- 10-year manufacturers warranty

TerraGen Solar PV Array Racking

- 25-year warranty

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: **\$1,586,900**
Installed Solar Cost *\$1.59/watt*

Focus On Energy Rebate: -\$50,000
USDA REAP Grant: -\$793,450
MACRS Accelerated Depreciation: -\$283,262
Federal Tax Credit: -\$223,035

Net System Cost: **\$237,153**

Estimated Years to Cost Recovery: 2.1 years
Utility Cost of Energy: \$0.065/kWh
30-Year Levelized Cost of Energy*: \$0.007/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.

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