



NORTHWIND SOLAR
www.northwindRE.com

PROJECT STUDY

CAP Services

Stevens Point, WI

Project Objectives:

*"Our organization was looking for ways to reduce our electricity costs, being mindful of our carbon footprint. Going solar makes sense because we will save an estimated \$220,000 over the warranty life of the system, allowing us to redirect those savings to our programming efforts." – **Scott Norder**
Director of Community Engagement CAP Services*

Impact Goals:

- ✓ Generate **47,354 kWh** of clean energy annually
- ✓ Offset **74% of CAP HQ's electricity use**
- ✓ **Save \$273,596** over 30 years
- ✓ Reinvest savings into mission-driven community programs

Energy & Environment:



Offsets 83,492 lbs of CO2/year

Equivalent to:

- = 42,068 lbs coal burned
- = 38 acres of U.S. forest
- = 13.4 tons waste recycled



41kW Grid Tied, Solar Power System

(72) Philadelphia PS – 580W Modules

- 50% of Modules Donated by Couillard Solar Foundation (CSF)
- 12-year product warranty
- 30-year performance guarantee

(4) Tesla 7600 Solar Inverters

- 10-year manufacturers warranty

Online Performance Monitoring

What's Next?...

Contact Northwind Solar to explore solar for your business. Get a free estimate package for preliminary budgeting and schedule a no-obligation site visit with our professional design & sales team.





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Project Incentives

- ✓ Focus On Energy Rebate
- ✓ Federal Tax Credit
- ✓ Solar for Good Grant

Financial Performance

Total Project Cost: **\$89,500**
Installed Solar Cost \$2.18/watt

Focus On Energy Rebate: -\$2,088
30% Federal Elective Pay: -\$26,850

Net System Cost: **\$60,562**

Estimated Years to Cost Recovery: 9 years
10-Year Energy Value: \$67,7446
30-Year Levelized Cost of Energy*: \$0.044/kWh

"We chose to partner with Northwind Solar because they are a local, employee-owned, reputable organization whose knowledge base is well respected, and their experience in renewable energy really stood out to us."

- Scott Norder

Director of Community Engagement CAP Services

*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!**