



CASE STUDY:

Photovoltaics for Domestic Violence (PV/DV) Project



This installation increases CAP Services' financial stability and enables it to direct more resources to client services.

PROJECT SUMMARY:

Through its Photovoltaics for Domestic Violence (PV/DV) Project, CAP Services installed a 13.3 kW solar PV system at its Family Crisis Center (FCC), a 24-hour domestic violence and runaway youth shelter in Stevens Point, WI. This installation increases CAP Services' financial stability and enables it to direct more resources to client services.

CAP Services works to create communities that are free from violence and injustice. The FCC serves over 1,400 victims of violence each year. FCC welcomes individuals of all backgrounds and identities. Confidential services are provided 24 hours a day by a team of professional staff. Individuals have access to emergency shelter, crisis telephone and walk-in services, weekly support groups for children, teens and adults, legal and advocacy services, transitional housing for victims, and more.

The FCC spent almost \$4,500/year on electricity. The new solar system will provide 44% of the FCC's annual electrical usage. The system will be paid back by year 12 and save over \$84,000 in electricity costs over the 30-year warranted life of the system. The value of the savings yields the equivalent of a 10.52% annual rate of return. The FCC will redirect its cost savings to services for victims of domestic abuse and runaway youth.

Northwind Solar installed the system in March of 2020. A virtual ribbon-cutting event was held in April 2020.

PROJECT HIGHLIGHTS:

Location: Stevens Point, WI

Commissioned: March 2020

DC Capacity: 13.3 kW

AC Nameplate: 12 kW

Expected Performance (AC): 16,392 kWh/year

Array Tilt and Azimuth:
Flush mounted on roof, 159 degrees

Racking: Dynamic Fastener to standing seam metal roof seam. Iron Ridge rails

Modules: 36 Philadelphia Solar PV Modules (370W) (Solar for Good donation)

Inverters: 2 SMA Sunny Boy 6000

Solar Installer: Northwind Solar



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"We are grateful to the many partners and donors who made our PV for DV Project a reality. The electricity being generated by the panels directly offsets shelter operating expenses resulting in more resources for client services. It is a gift that keeps giving and a project we know will serve as a model for ourselves and others."

— Mary Patoka, CAP President and CEO

ABOUT CAP SERVICES & FAMILY CRISIS CENTER:

CAP Services, Inc. has been on the front line of the war on poverty since 1966. CAP, a private, nonprofit corporation, offers programs in Marquette, Outagamie, Portage, Waupaca, and Waushara counties. CAP Services is headquartered in Stevens Point.

More than two dozen programs are offered by CAP Services to transform people and communities to advance social and economic justice.

Contact CAP Services:

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capservices.org



SUSTAINABILITY MEASURES:

This system will reduce 19.6 tons/year of CO₂ emissions.



LEARN MORE: www.midwestrenew.org/solar-grant

KEY PROJECT FUNDERS

Inverter Sponsors (\$2,500+)

- Cathy Eckberg & Jim Butler
- Sonnentag Foundation

Kilowatt Sponsors (\$1,000+)

- Delta Dental of Wisconsin
- Dr. Marcus & Amy Haemmerle
- Cole & Nicole Harrison Steinke
- Mike Olson
- The SeBrowns
- Stevens Point Orthopedics
- Wisconsin Public Service Foundation
- Don A. & Catherine M. Wolding Trust

Panel Sponsors (\$500+)

- Diane & Richard Hope
- Marg Coker-Nelson
- Mary Patoka & David Onan
- Superior Roofing & Remodeling
- Sally Topinka

PROJECT PARTNERS:

