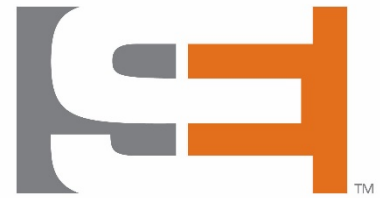


Solar Solutions

Solar power is saving companies thousands!



EDUCATIONAL INSTITUTION SOLAR PROJECT PROFILE MATTOON, IL

OBJECTIVE

Enhance the public view of the institution to appeal to both students and visitors alike

SOLUTIONS

39kW array behind the meter
Canadian Solar modules – 25 year warranty

SERVICES: Design, Engineering, and Procurement

RESULT

\$4,000-\$5,000 annual energy savings for the life of the system

This project was completed at an educational institution with more than 20,000 students. They were interested in showcasing green technology to the community and enticing students to the progressive college. The solar renewable system allows the institution to educate visitors on the impact they are making by monitoring their consumption.

In addition to the low cost of installation due to federal grants, the institution has experienced \$4,000-\$5,000 annual energy savings.

RESIDENTIAL SOLAR PROJECT PROFILE 2500 SQ FT RANCH STYLE HOME GOLDEN EAGLE, IL

OBJECTIVE

Reduce overall energy purchase costs from local co-op

SOLUTIONS

SolarWorld Modules - 25 year warranty

SERVICES: Design, Engineering, and Procurement

RESULT

Reduced energy used on-site by 85%

Reduced overall energy purchase costs from local co-op by approximately \$1,700 annually

This project was a 2500 sq. ft. home in Southwest Illinois. The local co-op rate was \$.10/kW in their territory, much higher than the rest of Illinois. The owners were interested in utilizing solar solutions to reduce the energy purchase costs from their local co-op.

The solar energy solutions implemented for the property reduced energy use by 85%, resulting in approximately \$1,700 annual savings.



Solar power is saving this co-op nearly \$75,000 a year!

Founded in 1936, Illinois (Rural) Electric Cooperative (IREC) in Winchester, Illinois provides electricity and internet service to more than 14,000 member households across ten counties. In 2005, IREC was the first Illinois co-op to use wind power.

“We have an all-power-requirements contract with our supplier, Prairie Power (PPI) of Jacksonville. But that contract allows for some forms of renewable energy generation to help us reduce costs for our members,” explained IREC Manager of Engineering, Sean Middleton.




When IREC wanted to add another renewable energy option to its portfolio, Middleton conducted a feasibility and scope study to explore solar energy. Based on the results, Middleton contacted Springfield Electric Supply Company—IREC already had a working relationship with Springfield Electric for electrical supplies and solutions.

LEED Certified Professional, Darren Volle’s Energy Solutions team designed IREC’s Scott County Solar Plant, providing 2,223 Solar World 270 watt solar panels, capable of generating 600 kW but rated 500kW due to the inverter. Using this solar installation to create their own energy rather than purchasing it from their provider, IREC reduced their costs by nearly \$75,000 a year. At full capacity, the plant generates enough electricity to power about 170 homes per day, even on the hottest days.



Illinois Electric Cooperative

Your Touchstone Energy® Partner 

If you’re considering a sustainable energy project, call the Energy Solutions Team at Springfield Electric. They can discuss your renewable energy options, estimate project costs, assist with rebate submittals and aid in designing project solutions.

Darren Volle

Energy Solutions
Team Leader

LEED Certified Professional with an advanced certificate in renewable energy and a Bachelor of Science from the University of Illinois Urbana-Champaign.

Andrew Verderber

Solar Energy
Specialist

LEED Certified Professional with a Master’s in Business Administration from Illinois State University.

Erik Williams

Energy Sales
Specialist

NAED EPEC Gold Graduate and Certified Electrical Professional (CEP) with 14 years of experience in the electrical industry.



Energy Solutions Team: 217.747.7223
EnergySolutions@springfieldelectric.com

www.SpringfieldElectric.com | 800.747.2101