



UTILITY-SCALE SOLAR



SOLAR ENERGY



FOR MORE INFORMATION VISIT

www.cipco.net

U.S. Department of Energy (DOE)
Energy Efficiency and Renewable Energy
www.energysavers.gov

Iowa Energy Center
www.iowaenergycenter.org

Iowa Energy Center Home Series:
The Solar PV Energy Guide
www.iowaenergycenter.org/renewable-energy/solar/

Our sun provides an enormous supply of light energy that can be collected with photovoltaic panels and converted into electricity. Solar energy provides an abundant supply of emission and carbon-free electricity to benefit our members.

Solar generation comes in many forms: residential, community and utility-scale. By developing a utility-scale solar project, CIPCO takes advantage of economies of scale and allows all members within the system to benefit from solar energy.

CIPCO is committed to providing a diverse generation portfolio to our member cooperatives. Adding solar to the mix enhances the diversity.



Innovative



Interconnection



Environmentally Responsible



ADDING VALUE TO YOUR ELECTRIC SERVICE



Central Iowa Power Cooperative
A Touchstone Energy® Cooperative 



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This institution is an equal opportunity provider and employer.

CIPCO'S Utility-Scale Solar Project



COOPERATIVE COMMITMENT

Central Iowa Power Cooperative, Iowa's largest generation and transmission provider for the rural electric cooperative system, launched a utility-scale solar project to serve members throughout the service territory. The multi-site project is the first phase in CIPCO's long-term plan to incorporate solar into the generation mix. Solar energy is an emission and carbon-free resource that supports our commitment to provide environmentally-friendly energy to our members.

ENVIRONMENTALLY RESPONSIBLE

- CIPCO is committed to providing a balanced generation portfolio to support the electrical needs of our members.
- Utility-scale solar provides electricity during high demand periods at a stable price.
- Utility-scale solar projects are 35-40 percent lower in cost compared to community solar.
- Iowa ranks among the top third of U.S. states in the technical potential for solar energy production.
- Utility-scale solar supports members of all income levels.
- Solar energy supports CIPCO's objective to deliver safe and reliable electric service at the lowest possible long-term cost.
- CIPCO, as a corporate citizen, is committed to supporting environmentally-friendly energy sources.

PROJECT SPECIFICATIONS

- CIPCO's 5.5MW project is the largest utility-scale solar generation system in Iowa.
- Phase One of the project is located at five CIPCO member cooperatives across Iowa: Marshalltown, Osceola, Pella, Urbana and Wilton.
- Solar arrays are ground-mounted, 30° fixed-tilt systems.
- The system is estimated to produce over 7.06 million kWh of energy in the first year.
- The utility-scale solar project has the capacity to power over 700 homes a year.
- The project utilizes over 17,000 solar panels across all five sites.
- Peak operation for solar energy in Iowa occurs in the afternoon.
- CIPCO is planning a Phase Two solar project in 2017.

ABOUT CIPCO

- Iowa's largest cooperative energy provider since 1946.
- Not-for-profit and member owned.
- 13 member rural electric cooperatives and associations serving 58 counties.
- CIPCO supplies all of the power requirements for our distribution members.
- CIPCO and its member systems provide electricity for nearly 300,000 rural and urban residents, along with 12,000 commercial and industrial accounts.
- Over 60 percent of the energy provided by CIPCO is emission and carbon-free.*

*All or some of the renewable energy credits associated with this generation may have been sold or may be sold in the future, to other parties, or may be used to comply with future regulatory requirements.