

## Solar Energy

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.



A Touchstone Energy® Cooperative 

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# Solar Generation for Our Members



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## CIPCO'S Utility-Scale Solar Project

East-Central Iowa REC and Central Iowa Power Cooperative, our generation and transmission provider, launched a utility-based 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.

- 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.
- CIPCO's 5.5MW project is the largest utility-scale solar generation system in Iowa.
- Phase One of the project is sited at five CIPCO member cooperatives across Iowa.
- Solar arrays will be 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.

## About East-Central Iowa REC

- Urbana Solar Acres is located in Urbana.
- Urbana Solar Acres will generate 1,393,900 kWh of energy in the first year.
- The generation site contains 3,708 solar panels and 103 racking tables.
- The generation facility has the capacity to fully power up to 139 homes a year.
- East-Central Iowa REC is not-for-profit.
- Your cooperative is 100 percent member owned and governed.
- East-Central Iowa REC supports strong and economically vibrant communities.

## About CIPCO

- Iowa's largest cooperative energy provider.
- Not-for-profit and member owned.
- 13 member rural electric cooperatives and associations serving 58 counties.
- Nearly 60 percent of the energy provided by CIPCO is emissions 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.*