



## Solar Media Kit

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### Solar Energy and Cooperative Energy

Cooperative Energy owns and operates nine solar power generation facilities across the state at Coahoma Electric Power Association (Lyon); Coast Electric Power Association (Kiln); Delta Electric Power Association (Greenwood); Dixie Electric Power Association (Laurel); Magnolia Electric Power (Summit); Singing River Electric (Lucedale); Southern Pine Electric (Taylorsville); Twin County Electric Power Association (Greenville); and Yazoo Valley Electric Power Association (Yazoo City). The five 100 kW sites in Greenwood, Kiln, Lucedale, Lyon, and Taylorsville began commercial operation in 2016. The remaining four 100 kW sites began commercial operation in 2021.

Cooperative Energy and partner Origis Energy USA began commercial operation of a 52 MW solar facility in Lamar County in December 2017. MS Solar 3 incorporates more than 206,000 polycrystalline solar modules into a single axis ground mounted design on 540 acres. Origis Energy developed, constructed, and operates the electric generation site owned by Onward Energy. Cooperative Energy purchases all power produced at the site.

Cooperative Energy and partner Cubico Buffalo Holdings I, LLC, began commercial operation of a 100 MW solar facility in Carroll County in November 2023. Delta's Edge, located near Greenwood, incorporates approximately 250,000 panels on a 750-acre site. Cooperative Energy purchases all power produced at the site.

### Quick Facts

- Solar is considered one of the leading forms of green, or environmentally-friendly, energy. Panels are used to collect sunlight that is converted into electricity.
- Solar energy is the most abundant energy resource on Earth. The sun produces more energy in one hour than the Earth uses in an entire year. The trick is harnessing this energy and converting it into usable power.
- Solar energy can be converted into electricity, heat, or lighting.



# Solar FAQ

## ***Why did Cooperative Energy decide to build solar generation facilities?***

Our consumer-members (ratepayers) – who are actually the owners – told us they wanted solar in our energy mix. Secondly, Cooperative Energy’s mission is to provide reliable and affordable energy. We also have Environmental Protection Agency regulations that may require us to add more renewable energy. Adding solar as a generation source is friendly to the environment in which we all live.

## ***What is the benefit of solar power to consumer-members?***

Having solar as part of our generation mix benefits our consumer-members because it means we are not dependent on one source, and Cooperative Energy consumer-members will be less susceptible to price spikes in any one sector. Solar power is also a renewable form of energy, which we know is important to Mississippians.

## ***Is it cheaper than other forms of energy?***

That has yet to be determined, and answering this question is one of our goals. Ownership of the nine 100 kW solar sites, our partnership in the 52 MW MS Solar 3, and our future partnership in the 100 MW Delta’s Edge site enables us to compare the economics of the sites and study the true economics of scale associated with larger sites.

## ***Can a consumer-member take steps to ensure they are buying solar-generated electricity?***

Cooperative Energy is currently studying various methods of distributing and marketing solar electricity. But consumer-members should know that Cooperative Energy already purchases solar electricity from our consumer-members and provides that to the 11 cooperatives we supply.

## ***Will a consumer-member be able to purchase a panel at any of these facilities that would generate the electricity? How about buying a block of electricity – which is a specific amount – from one of the facilities?***

Purchasing a panel or a block of electricity is among the various opportunities that Cooperative Energy is studying at this time. No decision about marketing the electricity has been made.

## ***Why are Mississippi energy companies just now starting to adopt solar power when many states have been utilizing it for years?***

Cooperative Energy has been purchasing solar electricity from our consumer-members for years and at the same time studying the reliability and affordability of solar. Cooperative Energy believes now is the time to expand locally based solar generation capabilities.

## ***Is solar effective in winter months when there is less daylight and sun?***

Naturally, summer days with more daylight will be optimal, but we believe Mississippi is geographically situated so that solar can be an energy source year-round, although certainly less effective in the winter months.