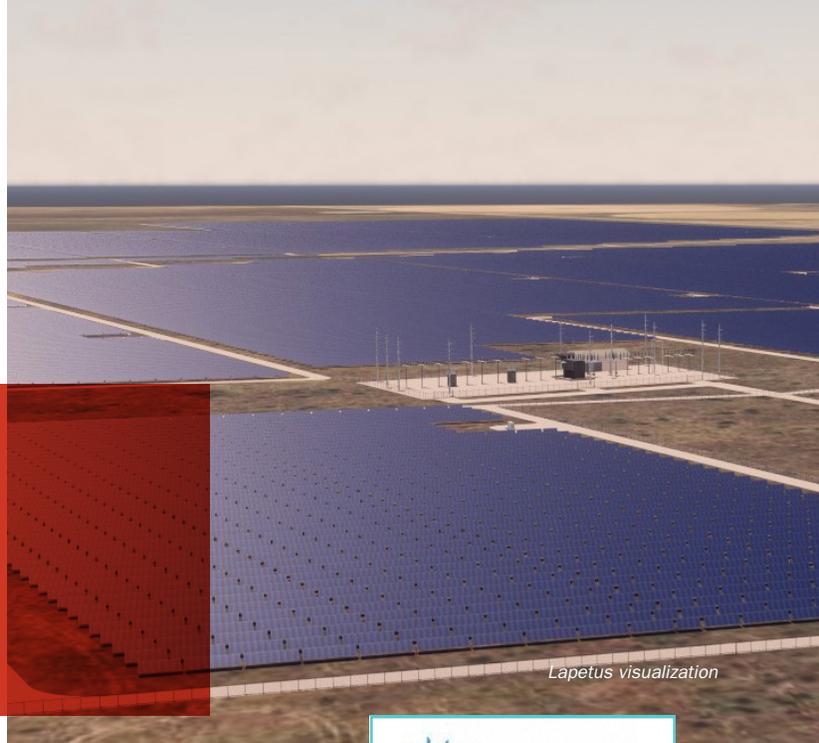


CASE STUDY

Brazos and the SolarBlocksTM



Lapetus visualization

CHALLENGE

In 2016, the members of CoServ Electric (“CoServ”), wanted more of their energy to come from renewable sources in order to cost effectively create more choices for its members. CoServ worked with its generation and transmission (G&T) cooperative, Brazos Electric Power Cooperative (“Brazos”), to achieve this goal. Supported by National Renewables Cooperative Organization (“NRCO”), CoServ and Brazos issued a request for proposals.



As Texas’ largest and oldest generation and transmission electric cooperative, Brazos serves sixteen distribution cooperatives and one municipal system.

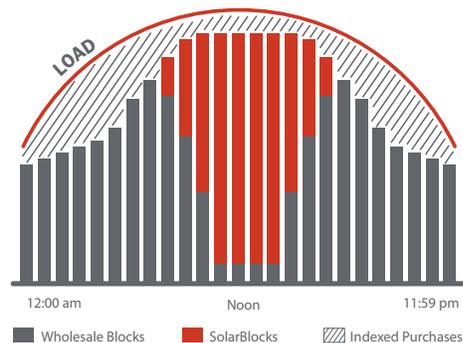
Brazos and CoServ hoped to overcome multiple challenges:

- Procuring on-peak power renewable energy
- Having a predictable energy schedule from an intermittent resource
- Enabling multiple distribution co-ops to participate
- Finding a way to cost-effectively meet member needs

SOLUTION

Challenges accepted! 7X Energy offered Brazos and CoServ, through its Lapetus Energy Project (“Lapetus”), firm SolarBlocksTM consisting of guaranteed amounts of solar power in 15-minute intervals over the span of up to 20 years delivered to the ERCOT North trading hub.

Lapetus, located in Andrews County in West Texas, has excellent transmission access and will be the largest solar project to be built for an electric cooperative in the state.



An example of using SolarBlocksTM, wholesale blocks, and wholesale index purchases to minimize energy costs and mitigate risks.

RESULTS

Brazos and CoServ initially planned to procure 25 MW. Seven additional Brazos distribution co-ops asked the G&T to procure an additional 42.5 MW for their members. Prompted by the competitively priced fixed blocks, CoServ later doubled its purchase from Lapetus for a total of 51.5 MW. 7X ultimately sold the Lapetus project to Duke Energy Renewables, who owns and will operate it.

As a result of Brazos and CoServ procured a total of 94 MWac of Lapetus. Construction for the project began in February 2019.

“This agreement reinforces CoServ’s commitment to providing cost-effective renewable energy options for our Members.”

– Donnie Clary
President/CEO, CoServ



Brazos and eight of its distribution cooperative members received benefits in four important areas:



COST

The price of utility-scale solar from Lapetus is very competitive with on-peak wholesale power.



PREDICTABILITY

7X's firm *SolarBlocks* guarantees solar energy amounts every 15 minutes delivered to the hub, allowing for multi-year planning and minimizing weather and delivery risk.



ENVIRONMENTAL IMPACT

The co-ops will retain the Renewable Energy Credits from their portion of Lapetus, enabling each to make carbon reduction and additionality claims.



MEMBER SATISFACTION

The power purchased from Lapetus enables Brazos to meet its distribution co-ops' needs and in turn ensures that the distribution co-ops are better serving their members' demand for renewable energy.