



# GOLDEN TRIANGLE II SOLAR + STORAGE Project Details

**Location**  
Lowndes County, MS

**Operation Date**  
May 2024

**Installed Capacity**  
Solar: 150 MWac  
Storage: 50 MW  
Storage Duration: 200 MWh

**CO2 Emissions Avoided**  
199,000 MT

**Homes Powered**  
39,000 Homes

**Facility Details**  
1.5 million PV panels  
(in the MS portfolio)

Single Axis Tracker

1,350 Acres

**Customer/Offtake**  
Tennessee Valley Authority (TVA) and Meta through TVA's Green Invest program

**Hardhat Jobs**  
500 construction jobs for the portfolio

**Economic Benefits**  
\$106 million Estimated Direct Local Economic Benefits During Construction

\$145 million Total Direct Local Economic Benefits During the Project Life

Golden Triangle II is part of a portfolio of projects in Mississippi, including Golden Triangle I and Optimist, with a total capacity of 550 MWac plus 150 MW of battery storage. This is the largest battery storage portfolio announced in Mississippi and the largest solar portfolio under construction in the state, maintaining TVA's leadership in clean power generation throughout the Southeast.

TVA will use the power to help meet the energy demand and sustainability goals of some of its large industrial customers, through its Green Invest program, along with residents served by TVA.

## Economic & Community Benefits

- Roughly 1.5 million solar panel modules will be installed at the three sites, enough to power an estimated 126,000 homes.
- Following the pandemic, TVA's low-cost, clean and reliable electricity, coupled with unprecedented migration into the area, resulted in a rebound in economic growth in the Golden Triangle area of 8% in 2021 and 3.5% in 2022.
- Estimated economic benefits from the three projects include \$106 million in near-term construction and hiring gains to the area. Over the life of the solar plants, they will provide another \$145 million in estimated regional economic benefits.
- Upon completion of the plants, Origis Energy Services will operate and maintain the portfolio, employing approximately 9 on-site jobs over the 35+ project life years.

For more information about the projects in the TVA MS portfolio, visit the project websites:

**Golden Triangle II Solar + Storage:**

<https://origisenergy.com/project/golden-triangle-ii-solar-storage/>

**Golden Triangle I Solar + Storage:**

<https://origisenergy.com/project/golden-triangle-i-solar-storage/>

**Optimist Solar + Storage:**

<https://origisenergy.com/project/optimist-solar-storage/>

## About the Team

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The Tennessee Valley Authority is the nation's largest public power supplier, delivering energy to 10 million people across seven southeastern states. TVA was established 90 years ago to serve this region and the nation by developing innovative solutions to solve complex challenges. TVA's unique mission focuses on energy, environmental stewardship, and economic development. With one of the largest, most diverse, and cleanest energy systems – including nuclear, hydro, solar, gas, and advanced technologies – TVA is a leader in our nation's drive toward a clean energy future.

TVA is a corporate agency of the United States, receiving no taxpayer funding, deriving virtually all of its revenues from sales of electricity. In addition to operating and investing its revenues in its electric system, TVA provides flood control, navigation, and land management for the Tennessee River system, and assists local power companies and state and local governments with economic development and job creation.



Origis Energy is accelerating the transition to a carbon-free future by Reimagining Zero®. As one of America's leading renewable energy and decarbonization solution platforms, the company continues to expand and reimagine its contribution to the world's net-zero goals. Origis Energy puts customers first to deploy a wide range of sustainable solutions for grid and distributed power generation, clean hydrogen and long-term operation of solar, energy storage and clean hydrogen plants across the U.S. Founded in 2008, Origis Energy is headquartered in Miami, FL.

## Construction and Operations Teams

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**Prime EPC Contractor** Origis Energy

**Operations & Maintenance** Origis Energy Services

**Prime Sub-Contractor** RES

**Battery Storage** Mitsubishi Power Americas

## Funding Entities

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J.P. Morgan