

Decatur Parkway Solar Facility



Location

DECATUR COUNTY,
GEORGIA

Capacity

84 MEGAWATTS

Fuel Resource

PHOTOVOLTAIC SOLAR

Ownership

SOUTHERN POWER

Southern Power, a subsidiary of Southern Company, is a leading U.S. wholesale energy provider meeting the electricity needs of municipalities, electric cooperatives and investor-owned utilities. Southern Power and its subsidiaries own or have rights to 35 facilities operating or under construction in nine states with more than 10,500 MW of generating capacity in Alabama, California, Florida, Georgia, Nevada, New Mexico, North Carolina, Oklahoma and Texas.

Atlanta-based Southern Company is the premier energy company serving the Southeast, through its subsidiaries, and a leading U.S. producer of clean, safe, reliable and affordable electricity. With more than 4.5 million customers and approximately 46,000 megawatts of generating capacity, Southern Company owns electric utilities in four states and a growing competitive generation company, as well as fiber optics and wireless communications.

Southern Power acquired the 84-megawatt (MW) photovoltaic (PV) Decatur Parkway Solar Facility in early 2015. The facility entered into service December 2015.

The electricity and associated renewable energy credits (RECs) are being sold under a 25-year power purchase agreement with Southern Company Subsidiary Georgia Power, which will have the option to keep or sell the RECs.

Size

The solar facility is located on an approximately 779-acre site in Decatur County, Georgia.

Technology

The project utilizes approximately 1 million of First Solar's thin film photovoltaic (PV) modules, mounted on single-axis trackers.

PV modules generate electricity directly from sunlight through an electronic process that occurs naturally in certain types of material known as semiconductors. Solar energy frees electrons in these materials to travel through an electrical circuit, powering devices or sending electricity to the grid. Tracking systems produce more energy because they track the sun's movement throughout the day.