

Butler Solar Facility

Location

Taylor County, Georgia

Fuel Resource

Photovoltaic Solar

Capacity

103 MW

Ownership

Southern Power



Southern Power acquired the 103-megawatt Butler Solar Facility in May 2015. The electricity and associated renewable energy credits (RECs) generated by the facility will be sold under a 30-year power purchase agreement with Georgia Power, which will have the option to keep or sell the RECs, for the benefit of its customers or renewable energy programs.

First Solar built, operates and maintains the facility. Construction began in September 2015, and the plant entered commercial operation in the fourth quarter of 2016.

Size

The facility is located on approximately 1,070 acres in Taylor County, Georgia.

Technology

The Butler Solar Facility consists of more than 1 million thin-film PV solar modules mounted on single-axis tracking tables, manufactured by First Solar.

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.

Southern Power, a subsidiary of Southern Company, is a leading U.S. wholesale energy provider meeting the electricity needs of municipalities, electric cooperatives, investor-owned utilities, and commercial and industrial customers. Southern Power and its subsidiaries, some of which are owned in part with various partners, own or operate 49 facilities operating or under construction in 12 states with more than 11,864 MW of generating capacity in Alabama, California, Delaware, Georgia, Kansas, Maine, Nevada, New Mexico, North Carolina, Oklahoma, Texas and Washington.

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