

East Pecos Solar Facility

Location

Pecos County, Texas

Capacity

120 MW

Fuel Resource

Photovoltaic Solar

Ownership

Southern Power



Southern Power announced the 120-megawatt (MW) East Pecos Solar Facility in March 2016. The electricity and associated renewable energy credits (RECs) generated by the facility are sold under a 15-year power purchase agreement with Austin Energy, which has the option to keep or sell the RECs.

First Solar built the facility and is providing onsite operations and maintenance. Construction began in February 2016 and the facility reached commercial operation in April 2017.

Size

The project is located on approximately 1,000 acres in Pecos County.

Technology

The project consists of approximately 1.2 million of First Solar's thin-film, photovoltaic solar modules mounted on single-axis tracking tables.

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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