

Calipatria Solar Facility

Location

Imperial County,
California

Capacity

20 MW

Fuel Resource

Photovoltaic Solar

Ownership

Southern Power



Southern Power acquired the 20-megawatt Calipatria Solar Facility in February 2016. The electricity and associated renewable energy credits (RECs) generated by the facility are sold under a 20-year power purchase agreement with San Diego Gas & Electric Company, which has the option to keep or sell the RECs.

DEPCOM Power is providing engineering, procurement and construction services, and First Solar operates and maintains the facility for Southern Power. Construction of the plant began in August 2015, and it entered commercial operation in the first quarter of 2016.

Size

The project is located on approximately 160 acres in Imperial County, California.

Technology

The project consists of approximately 130,000 CIS thin-film solar modules.

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.

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