

# Campo Verde Solar Facility

**Location**

Imperial County,  
California

**Capacity**

147 MW

**Fuel Resource**

Photovoltaic Solar

**Ownership**

Southern Power



## Southern Power acquired the Campo Verde Solar Facility in April 2013.

First Solar developed the project and is the contractor for engineering, procurement and construction, as well as operation and maintenance for the facility.

Electricity generated by the plant serves a 20-year power purchase agreement with San Diego Gas & Electric Company (SDG&E), a regulated public utility that provides energy service to 3.4 million people through 1.4 million electric meters and 850,000 natural gas meters in San Diego and southern Orange counties.

**Size**

The project is located on a 1,400-acre site in Imperial County, California. The electricity generated at the facility is expected to power nearly 48,000 homes.

**Technology**

This 147-MW solar facility consists of approximately 2.3 million cadmium telluride thin film photovoltaic modules manufactured by First Solar with an average rating of 90 watts per module. The 1,400-acre facility employs a fixed-tilt design and inverters from Convertteam (GE).

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.

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