

Solar Gen 2 Solar Facility

Location

Imperial County,
California

Capacity

163 MW

Fuel Resource

Photovoltaic Solar

Ownership

Southern Power
Capital Dynamics



Southern Power and Capital Dynamics own the 163-megawatt Solar Gen 2 Solar Facility consisting of three projects: Arkansas, Alhambra and Sonora. Commercial operation began in November 2014.

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

Electricity generated by the plant serves a 25-year power purchase agreement with San Diego Gas & Electric (SDG&E), a regulated public utility that provides energy service to 3.4 million people through 1.4 million electric meters and 860,000 natural gas meters in San Diego and southern Orange counties. SDG&E's service area spans 4,100 square miles.

Size

Solar Gen 2 Solar Facility is a 163-megawatt facility located on three sites totaling 1,451 acres in Imperial County, California.

Technology

The facility consists of more than one million of First Solar's thin-film photovoltaic (PV) 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 other energy customers. Southern Power and its subsidiaries, some of which are owned in part with various partners, own or operate 50 facilities operating or under development in 13 states with more than 11,920 MW of generating capacity in Alabama, California, Delaware, Georgia, Kansas, Maine, Nevada, New Mexico, North Carolina, Oklahoma, Texas, Washington and West Virginia.

Southern Company (NYSE: SO) is a leading energy company serving 9 million customers through its subsidiaries. The company provides clean, safe, reliable and affordable energy through electric operating companies in three states, natural gas distribution companies in four states, a competitive generation company serving wholesale customers across America, a leading distributed energy infrastructure company, a fiber optics network and telecommunications services.