

# Garland Solar Facility

**Location**

Kern County, California

**Fuel Resource**

Photovoltaic Solar

**Capacity**

205 MW

**Ownership**Southern Power  
PKA  
PenSam

Southern Power, PKA, and PenSam own the 205-megawatt Garland Solar Facility in California. Construction began in December 2015, with Signal Energy Constructors managing the engineering, procurement and construction of the facility. The project is expected to enter commercial operation in the fourth quarter of 2016.

The electricity and associated renewable energy credits (RECs) generated by the facility are sold under two long-term power purchase agreements (PPA) with Southern California Edison (SCE), which has the option to keep or sell the RECs.

**Size**

The project is built on two sites totaling 2,000 acres in Kern County, California

**Technology**

The facility consists of more than 800,000 polycrystalline 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 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.