

# Macho Springs Solar Facility

**Location**

Luna County,  
New Mexico

**Capacity**

55 MW

**Fuel Resource**

Photovoltaic Solar

**Ownership**

Southern Power



Southern Power acquired the Macho Springs Solar Facility in May 2014. Construction began in July 2013 and commercial operation began May 2014.

First Solar developed and was the contractor for engineering, procurement and construction of the project. First Solar is also the operation and maintenance contractor for the facility. First Solar manufactures solar modules with an advanced semiconductor technology and provides comprehensive photovoltaic system solutions.

Electricity generated by the plant serves a 20-year power purchase agreement with El Paso Electric, a regional electric utility that provides generation, transmission and distribution service to approximately 394,000 retail and wholesale customers in a 10,000-square-mile area of the Rio Grande valley in west Texas and southern New Mexico.

**Size**

The project is located on a 597-acre site in Luna County, New Mexico. The electricity generated at the facility powers more than 18,000 homes.

**Technology**

The 55-MW solar project consists of approximately 704,160 thin film photovoltaic solar modules manufactured by First Solar. The modules are rated at approximately 92.5 watts each. The modules are mounted with single-axis trackers. Multiple strings of solar modules are electrically connected in parallel to multiple power inverters. The inverters from Power-One connect to transformers where the energy will be converted to the prescribed interconnection voltage.

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.

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. Southern Company brands are known for excellent customer service, high reliability and affordable prices below the national average. For more than a century, we have been building the future of energy and developing the full portfolio of energy resources, including carbon-free nuclear, advanced carbon capture technologies, natural gas, renewables, energy efficiency and storage technology. Through an industry-leading commitment to innovation and a low-carbon future, Southern Company and its subsidiaries develop the customized energy solutions our customers and communities require to drive growth and prosperity. Our uncompromising values ensure we put the needs of those we serve at the center of everything we do and govern our business to the benefit of our world. Our corporate culture and hiring practices have been recognized nationally by the U.S. Department of Defense, G.I. Jobs magazine, DiversityInc, Black Enterprise, Forbes and the Women's Choice Award. To learn more, visit [www.southerncompany.com](http://www.southerncompany.com).