

Boulder Solar I Facility

Location

Clark County, Nevada

Fuel Resource

Photovoltaic Solar

Capacity

100 MW

OwnershipSouthern Power
SunPower

Southern Power announced the acquisition of the company's third solar project in Nevada, the 100-MW Boulder Solar I Facility in Clark County, in November 2016.

Construction of Boulder Solar I began in January 2016, and the facility began commercial operation in December. SunPower developed, designed and constructed the plant, and will operate and maintain it upon completion.

NV Energy purchases the electricity and associated portfolio energy credits (PECs) generated by the facility under a 20-year power purchase agreement.

Technology

Boulder Solar I Facility consists of 288,000 tracker-mounted panels manufactured by SunPower.

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 commercial and industrial customers. Southern Power and its subsidiaries own 50 facilities operating or under construction in 12 states with more than 12,500 MW of generating capacity in Alabama, California, Florida, Georgia, Kansas, Maine, Minnesota, Nevada, New Mexico, North Carolina, Oklahoma and Texas.

Atlanta-based Southern Company is America's premier energy company, serving 9 million customers through its subsidiaries with clean, safe, reliable and affordable energy. With electric utilities in four states, natural gas distribution utilities in seven states, a competitive generation company serving wholesale customers across the country and a nationally recognized provider of customized energy solutions, as well as fiber optics and wireless communications, Southern Company and its subsidiaries are inventing America's energy future.

southernpowercompany.com

us.sunpower.com