

South Cheyenne Solar Facility

Location
Wyoming

Capacity
150 MW

Fuel Resource
Solar

Ownership
Southern Power



Southern Power announced the acquisition of its 30th solar project and first in the state of Wyoming — the 150-megawatt (MW) South Cheyenne Solar Facility from Qcells USA Corp. (Qcells USA) in September 2023.

The project, located in Wyoming, is Southern Power's first solar facility in the state and contributes to the company's growing renewable fleet of clean generating assets from California to Maine. The project achieved commercial operation in the second quarter of 2024.

South Cheyenne was developed by Qcells USA, which provided the engineering, procurement and construction of the project, as well as served as the module supplier.

Technology

The facility consists of Hanwah Q-Cells bifacial photovoltaic (PV) modules mounted on single axis tracking tables. This is Southern Power's first solar site with bifacial modules, which allow power to be generated from the front and back side of the module, leading to a gain of up to 20% compared to a monofacial array. The PV modules harness sunlight and the facility converts it to usable AC electrical power through a system of inverters and transformers that feeds into the grid. This energy is enough to power approximately 25,000 homes.

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 55 facilities operating or under development in 15 states with more than 13,000 MW of generating capacity in Alabama, California, Delaware, Georgia, Kansas, Maine, Nevada, New Mexico, North Carolina, Oklahoma, South Dakota, Texas, Washington, West Virginia and Wyoming.

Southern Company (NYSE: SO) is a leading energy provider serving 9 million customers across the Southeast and beyond through its family of companies. Providing clean, safe, reliable and affordable energy with excellent service is our mission. The company has electric operating companies in three states, natural gas distribution companies in four states, a competitive generation company, a leading distributed energy distribution company with national capabilities, a fiber optics network and telecommunications services.

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