

Cimarron Solar Facility

Location

Colfax County,
New Mexico

Capacity

30 MW

Fuel Resource

Photovoltaic Solar

Ownership

Southern Power



Southern Power acquired the Cimarron Solar Facility in March 2010.

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

Electricity generated by the plant serves a 25-year power purchase agreement with Tri-State Generation and Transmission Association.

Size

The electricity generated at the facility will supply power equivalent to meet the needs of approximately 9,000 homes. Upon commercial operation, the facility will be one of the largest solar photovoltaic plants in the United States

Technology

The solar array consists of approximately 500,000 2' x 4' photovoltaic modules manufactured with First Solar's patented thin film semiconductor technology.

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.

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