



Imperial Solar Energy Center South

Imperial County, California

The Imperial Solar Energy Center South is being developed in Imperial County, California, by Tenaska Solar Ventures, an affiliate of Tenaska. This is a significant solar energy project that will:

- Contribute to Imperial County's economic growth and reputation as the renewable energy capital of the nation;
- Diversify California's energy portfolio, provide much-needed, environmentally responsible power during periods of highest electricity demand, and generate "green jobs";
- Help California electricity providers meet benchmarks outlined in the state's Renewables Portfolio Standard; and
- Help meet the United States' increasing demand for clean, renewable electrical power.

PROJECT OVERVIEW

The Imperial Solar Energy Center South will be a ground-mounted photovoltaic solar power generating system. Approximately 130 MW of electricity has been sold under a 25-year power-purchase agreement to San Diego Gas & Electric (SDG&E). When operating at peak times, it will produce enough electricity to meet the needs of at least 44,000 California homes.

Photovoltaic (PV) technology converts sunlight directly into electricity with panels that do not produce noise or emit any greenhouse gases. PV technology has very limited water supply requirements, which is an important consideration for the Imperial Valley and an advantage over solar collector technologies that use large amounts of water to produce steam.



KEY FACTS

Contractor

The EPC (engineering, procurement, construction) contractor and technology provider is First Solar, Inc. (NASDAQ: FSLR).

Electric Capacity

Contracted to deliver 130 megawatts of renewable energy.

Location

The South project site is on approximately 946 acres of agricultural land in Imperial County near the city of El Centro.

Schedule

Imperial County and U.S. Bureau of Land Management (BLM) permits were granted in 2011. Commencement of construction began in late 2011. Commercial operation is estimated to commence in 2014.

Jobs

This project will provide approximately 250 jobs at peak construction. The construction activity will generate many more jobs in the local economy. Longer term, the project is forecast to provide four to five operations and maintenance jobs.

Minimal Use of Water Resources

Photovoltaic technology converts sunlight directly into electricity and therefore has minimal water supply requirements, an important consideration for the Imperial Valley.

Transmission Interconnection

The project will connect with the California Independent System Operator (CAISO) at the existing Imperial Valley electric transmission substation located on BLM land in the Yuha Desert. New transmission lines will be located within a BLM land tract currently used for high voltage electricity transmission.

Project Developer/Owner

Tenaska Solar Ventures, an affiliate of Tenaska, manages the project. CSolar IV South, LLC, a Tenaska affiliate, is the owner of the project. Tenaska (www.tenaska.com) is an energy company based in Omaha, Nebraska, with a proven track record of developing, constructing, owning, and operating state-of-the-art electric generation and cogeneration plants.

Website

www.tenaskasolarventures.com