



Proposed Imperial Solar Energy Center West

Imperial County, California

The Imperial Solar Energy Center West 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

Imperial Solar Energy Center West is proposed to be constructed with Soitec's Concentrix™ ground-mounted concentrated photovoltaic (CPV) solar power technology. When operating at peak times, it would produce enough electricity to meet the needs of more than 55,000 California homes.

CPV technology converts sunlight directly into electricity utilizing panels that do not produce noise or emit any greenhouse gases as they track the sun to within 0.1% accuracy. CPV 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

Electric Capacity

Contracted to deliver 150 megawatts of renewable energy.

Location

The West project site is on approximately 1,057 acres of abandoned agricultural land in Imperial County about eight miles west of the city of El Centro.

Schedule

Imperial County approved the project in 2011. The project is expected to be under active construction in late 2012 or early 2013. Completion is expected in 2015.

Jobs

This project would provide as many as 300 jobs at peak construction. The construction activity would generate many more jobs in the local economy. Longer term, the project is forecast to provide approximately 4 to 5 direct 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 would 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 would 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 West, 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