

# Stateline Solar Farm

San Bernardino County, California, USA

<b>Developer:</b>	First Solar
<b>Size:</b>	300MW
<b>Status:</b>	Permitting
<b>Type:</b>	Ground-Mount
<b>Power Output For:</b>	~90,000 average California homes
<b>CO<sub>2</sub> Displacement:</b>	~165,000 metric tons per year (~32,000 cars off the road)

## Project Timeline

2009-2010 → 2010-2012 → 2013-2014 → 2014 →

Planning    Permitting    Construction    Operation

## Project at a Glance

- 300MW of clean, renewable power
- Located on 2,114 acres of BLM land
- Approximately 400 construction jobs created
- No water used to generate electricity
- No air emissions during electricity generation
- Minimal noise
- Low visual impact
- Panels recycled after useful lifespan

## Overview

First Solar, a leading manufacturer of photovoltaic (PV) solar panels and provider of solar solutions, is developing a 300 megawatt (MW) PV solar farm in eastern San Bernardino County, California. The Stateline Solar Farm is located two miles southwest of the California/Nevada state border on 2,114 acres of federal land managed by the Bureau of Land Management (BLM). When fully operational, the project will provide enough energy to serve the needs of about 90,000 average California homes, displacing approximately 165,000 metric tons of carbon dioxide (CO<sub>2</sub>) per year—the equivalent of taking about 32,000 cars off the road.

The Stateline Solar Farm will support California in reaching its goal of having one-third of its energy come from renewable sources as well as supporting Secretary of the Interior Ken Salazar's orders to make developing renewable energy a top national priority. The project will also help the State meet the 2006 Global Warming Solutions Act's greenhouse gas reductions while establishing San Bernardino County as a world leader in renewable energy.

Stateline is currently in the permitting phase. Once permitting is completed, construction is targeted to start in 2013 when the upgraded El Dorado-Ivanpah transmission line is built. The facility is expected to start delivering energy in 2013 and be fully operational by 2014.

## Location



[www.firstsolar.com](http://www.firstsolar.com)

## Community

First Solar is committed to being a good neighbor through our community involvement and through the environmentally sensitive design of our solar projects. We are dedicated to meeting the needs of the community by supporting local events and providing educational opportunities for area schools and colleges. By working with the residents and stakeholders of the High Desert, our goal is to collaborate with the community to build a project that benefits the entire region.

Stateline will create approximately 400 construction jobs. The project will also provide an indirect economic benefit to dozens of businesses in San Bernardino County, including engineering and design firms, construction subcontractors, suppliers, and service providers. First Solar will work with the County to ensure that the High Desert region receives the benefits generated by the proposed solar farm.

## Project Benefits

- Establishes San Bernardino County as a world leader in renewable energy, helping reach state and local energy goals
- Generates wages and benefits for approximately 400 construction jobs, plus a dozen ongoing operation and maintenance positions
- Produces tax revenue for San Bernardino County
- Indirectly benefits dozens of businesses in San Bernardino County
- Provides educational opportunities for local schools and universities

## Environment

First Solar utility-scale PV solar projects have a low environmental impact. When in operation, our systems generate electricity with no air emissions, no waste production, and no water use, and have the smallest carbon footprint of any PV technology. The Stateline Solar Farm is being designed to minimize visual impacts as well. Mounted to metal racks, the panels will stand no higher than six feet above ground and will be able to withstand the high winds of the region. The Stateline site was carefully selected after an extensive environmental review. The availability of land near existing electrical transmission lines, the amount of sunlight, and current land uses were also important considerations in the siting decision. The project site is located on federal land and avoids environmentally sensitive areas. First Solar is working with experts and testing various construction methods to minimize any impacts to the desert tortoise, as well as other wildlife and vegetation.

Construction planning for the project will include the implementation of appropriate dust control measures, as well as truck routes that will minimize traffic. All on-site waste materials that can be recycled, such as pallets and cardboard, will be recycled.

## First Solar's Approach

**Clean.** When in operation, First Solar systems generate electricity with no air emissions, no waste production, and no water use, and have the smallest carbon footprint of any PV technology.

**Affordable.** By driving down the cost of solar generation, First Solar continues to make new strides in meeting the worldwide demand for clean, renewable energy.

**Sustainable.** First Solar's proven business model delivers viable energy solutions on a global scale—environmentally, as well as financially.

**Global.** With a worldwide footprint of manufacturing and project development capabilities, First Solar is able to scale renewable energy solutions to meet the diverse needs of nations around the globe.

## Questions or Comments

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