

ABENGOA

Mojave Solar



Project Benefits

The entire country will benefit from Mojave Solar by:

- Generating about **\$ 169 million in tax revenues** over 25 years.
- **Providing clean, sustainable power** for approximately 91,000 homes in California.
- Increasing **California's electricity generation reliability by energy source diversification.**
- Investing in **\$ 1.6 billion during** 2011-2014.
- Expanding **the national STE supply chain** by purchasing components and services from companies across the country.
- Providing **more than 2,200** construction and permanent operations jobs and **thousands of** direct and indirect service and manufacturing jobs through the national supply chain.

Mojave Solar is a 280 MW gross utility-scale solar thermal electric plant located near Barstow, California. Solar thermal electric technology uses mirrors to concentrate solar energy to drive a conventional steam turbine.

Mojave uses a new parabolic trough technology that is more efficient and cost effective. The project site was configured to minimize environmental impacts and is a model for sustainable development.

Mojave Solar will deliver enough electricity to serve 91,000 California households, preventing the emission to the atmosphere of around 223,500 tons of CO₂ per year. Abengoa will continue to provide clean energy, jobs, and economic growth in California and the rest of the country with Mojave and future projects.

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Project Details

Plant size: **280 MW** (gross) solar output from two 140 MW steam turbine generators.

Power purchase agreement with Pacific Gas & Electric Company (PG&E) for the next 25 years.

Solar field covers nearly **2 square miles** with 2,200 mirrored parabolic trough collectors and 1.5 million square meters of reflective area.

Collectors concentrate **the sun's energy** onto receiver tubes which deliver the heat to the central power plant via a heat transfer fluid.

Electricity is generated with **conventional steam turbines**.

The plant uses a new, more efficient and cost effective trough technology.

80 % less water is consumed than previous agricultural use at the site.

Abengoa's Mojave Solar is spurring economic benefits from coast to coast through the solar thermal electric supply chain. Over the past three years of construction, the supply chain from the Mojave Solar Project has spanned over several states with components and services ordered from more than 115 companies.



Who is Abengoa?

Abengoa (MCE: ABG.B/P SM /NASDAQ:ABGB) applies innovative technology solutions for sustainability in the energy and environment sectors, generating electricity from renewable resources, converting biomass into biofuels and producing drinking water from sea water.

With US headquarters in Colorado and offices in California, Arizona and Washington DC, Abengoa's solar business develops and applies proprietary solar thermal electric and PV solar energy technologies to foster sustainable development and energy independence.

Abengoa continuously improves product manufacturing and installation through rigorous research and development and is one of the world's pioneers in the construction of commercial solar thermal electric and PV solar plants through technological advances and financial investments.

Abengoa has two commercial solar power towers, sixteen trough plants, a solar-gas combined-cycle plant and five PV plants in commercial operation worldwide. Abengoa has solar thermal electric plants under construction in South Africa and Chile, with a total capacity of 260 MW.

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