

El Dorado & Copper Mountain Solar Projects

Boulder City, Nevada, USA

Owner:	Sempra Generation				
Developer:	Sempra Generation				
EPC Contractor:	First Solar, Inc.				
Size:	58MW (AC)				
Commissioned:	December, 2010				
Type:	Ground-Mount				
Site Area:	468 acres				
Output:	~124,000 megawatt-hours per year				
CO₂ Displacement:	~35,000 metric tons per year				
Module Surface Area:	~720,000m ²				
Modules Used:	<table border="0"> <tr> <td>Type:</td> <td>FS-272, 275, and 277</td> </tr> <tr> <td>Quantity:</td> <td>~1,000,000</td> </tr> </table>	Type:	FS-272, 275, and 277	Quantity:	~1,000,000
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The combined 58 megawatt (MW) alternating current (AC) El Dorado and Copper Mountain Solar Projects are located about 40 miles southeast of Las Vegas, Nevada. Owned by Sempra Generation, they comprise one of the largest photovoltaic (PV) solar plants in North America. Together, they generate enough clean, affordable energy to serve the needs of about 20,000 average California homes, displacing approximately 35,000 metric tons of carbon dioxide (CO₂) annually—the equivalent of taking about 6,000 cars off of the road. Pacific Gas & Electric Co. is contracted to purchase the projects' power output under two 20-year agreements.



First Solar acted as the engineering, procurement, and construction contractor for both projects. The 10MW (AC) El Dorado and the 48MW (AC) Copper Mountain projects were completed in December of 2008 and December of 2010, respectively. Together, the solar arrays consist of approximately one million 2' x 4' PV panels manufactured with First Solar's advanced thin film semiconductor technology. By co-locating the sites adjacent to its existing El Dorado natural gas-fired power plant, Sempra Generation was able to take advantage of existing infrastructure and the associated interconnection and transmission facilities.

The El Dorado and Copper Mountain Solar Projects demonstrate leadership for Nevada in the utility-scale solar market, while providing the cleanest, most affordable PV solar energy on the market.

About First Solar

First Solar is a leading manufacturer of photovoltaic (PV) solar modules, and a premier provider of solar solutions. From raw material sourcing through end-of-life collection and recycling, First Solar is focused on creating value-driven renewable energy solutions that protect and enhance the environment.

For More Information:

Please visit www.firstsolar.com
or contact us at info@firstsolar.com
US: 1-877-850-FSLR (3757)
EMEA: +800 3757 3757