



# California solar energy venezuela

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GSEP consists of two independent solar thermal electric generating facilities (Units 1 and 2) with a nominal net electrical output of 125-megawatts (MW) each, for a total net electrical output of 250 MW. Electrical power is produced using steam turbine generators fed from solar steam generators. The steam generators receive heated transfer fluid from thermal equipment comprised of arrays of parabolic mirrors that collect solar energy.

The project uses air cooled condensers, a dry cooling mechanism for power plant cooling. Process water for ancillary uses, including mirror washing, is supplied from on-site groundwater wells. Project cooling water blowdown is piped to lined, on-site evaporation ponds. The interconnection is an approximately 7-mile, 230 kilovolts transmission line from the GSEP to the new (as of 2014) Southern California Edison Colorado River Sub-Station, located to the southeast across Interstate 10 approximately 7 miles from the project.

Order Approving a Rerouted Gen-tie Line, Rerouted Natural Gas Line, and New Dedicated Substation, TN 66682, 08/15/2012, Order No. 12-0809-05, Commission approval of rerouting gen-tie line, a rerouting natural gas line, constructing of a new dedicated substation (and ring bus) adjacent to the Colorado River Substation, and amending air quality conditions resulting from the use of new equipment.

Notice of Determination for Approval to Store Spare Main Transformer on Site, TN 210226, 02/08/2016, Staff approval to store a main GSU on site to serve as a spare in the event of malfunction or failure of the primary transformer.

Notice of Determination for Approval to Allow Storage of Gas Cylinders in Common Area, TN 213690, 09/16/2016, Staff approval to install a cement pad, with shade covering, to accommodate the storage of 12 cylinders each of acetylene, argon, nitrogen, and oxygen.



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