

**Date:**

December 27, 2011

**Applicant:**

San Diego Gas & Electric Company (SDG&E)  
Contact: John Jenkins  
(619)921-2697

**Applicant's Representative:**

San Diego Gas & Electric Company  
Contact: Tamara Spear  
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**Project Name:**

San Diego Gas & Electric Company- East County (ECO) Substation Project WDID No. 7A373002001

**Receiving Water:**

Carrizo Creek/Wash, which leads to the Salton Sea

**Location:**

City or area: Jacumba, California to Boulevard, California  
County: San Diego County

**Project Description:**

The Proposed Project will provide an interconnection hub for renewable generation along SDG&E's existing Southwest Powerlink (SWPL) 500 kilovolt (kV) transmission line. In addition to accommodating the region's planned renewable generation, the Proposed Project will also provide a second source for the southeastern 138 kV transmission system, thereby decreasing the vulnerability of common structural outages and improving the reliability of electrical service for Boulevard, Jacumba, and surrounding communities. The Proposed Project will provide interconnection capability at three voltage levels (500, 230, and 138 kV), which will give renewable generators the option to connect at a voltage level that is appropriately sized for their project. The Proposed Project includes four key components:

1. Construction of a new 500/230/138 kV electric substation (ECO Substation)
2. Loop-in of the existing 500 kV SWPL transmission line into the ECO Substation, which will require installation of transmission structures outside of the fenced area of the substation, but within the newly acquired SDG&E property
3. Construction of a new, approximately 13.88-mile-long 138 kV transmission line from the ECO Substation to the rebuilt Boulevard Substation, including the placement of a 0.646-inch diameter, 57-strand all-dielectric self-supporting (ADSS) fiber optic cable to provide critical communication services.

4. Rebuild of the Boulevard Substation on a new parcel to provide 138 kV and 69 kV interconnection capability and 12 kV service
5. Construction of the Proposed Project is expected to begin in March of 2012 and take approximately two years to complete. The Proposed Project is expected to be in service by summer of 2014.

**Action:**

Pending

**Water Board Contact:**

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