

**PUBLIC UTILITIES COMMISSION**

505 VAN NESS AVENUE  
SAN FRANCISCO, CA 94102-3298



Ms. Rebecca Giles  
Regulatory Case Administrator  
San Diego Gas & Electric  
Southern California Gas Company

March 21, 2014

(via email: [RGiles@semprautilities.com](mailto:RGiles@semprautilities.com))

***Subject: San Diego Gas & Electric Company – Master Special Use Permit and Permit to Construct Power Line Replacement Projects, PTC Application No. 12.10.009—Data Request No. 6***

Dear Ms. Giles:

Based on comments received during the supplemental scoping period, the California Public Utilities Commission (CPUC) and United States Forest Service have identified additional information required to complete the analysis of the Master Special Use Permit and Permit to Construct Power Line Replacement Projects as listed in Attachment A. We would appreciate your response to this data request by April 3, 2014.

If you have any questions or need additional information, please contact me at 415.703.1966 or [lob@cpuc.ca](mailto:lob@cpuc.ca).

Sincerely,

*MJ Orsaba*

Lisa Orsaba, Project Manager  
Energy Division  
California Public Utilities Commission

Cc: *Tim Knowd, SDG&E (TKnowd@semprautilities.com)*  
*Robert Hawkins, US Forest Service (rhhawkins@fs.fed.us)*  
*Debbie Hobbs, US Forest Service (dshobbs@fs.fed.us)*  
*John Porteous, Dudek (jporteous@dudek.com)*

**ATTACHMENT A**  
**Data Request No. 6 – March 19, 2014**  
**Application No. A.12-10-009**  
**SDG&E Master Special Use Permit and**  
**Permit to Construct Power Line Replacement Projects**

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**1.0 ALTERNATIVES**

**1. TL626 Removal Alternative**

- 1a. Based on SDG&E's March 7, 2014 comments on the Draft EIR/EIS for the Master Special Use Permit/Permit to Construct Power Line Replacement Projects, additional information is requested regarding the alternative to "Remove TL626 from Service".

Please provide a detailed description (including if any one of a, b, or c below can be implemented on its own or what combination of those options are needed to meet customer needs) and map (including GIS data) and system schematic diagram of how this alternative would be implemented, including:

- a. Upgrade to the existing 69kV TL6931, to supply the customer load pocket from the Boulevard Substation, and / or
- b. Loop-in the modified TL625 between Loveland-Barrett into the Suncrest Substation, install a 230/69kV Class 70 transformer bank and install a 69 kV substation rack, establishing a new 69 kV source
- c. Develop an alternative source for the customer at Boulder Creek substation
  - i. Convert the ST-BC section of TL626 from 69kV to 12 kV distribution, or
  - ii. Install an off-grid solution, such as solar panel/battery storage combination capable of serving the approximately 35 kW load at Boulder Creek.

Regarding C.ii above: Please describe any ongoing operational and maintenance issues that would be associated with this option.

- 1b. Please provide baseline environmental resource information for this alternative.
2. Please provide the GIS mapping data for Alternative 1- Undergrounding of TL 626 in Boulder Creek Road and Alternative 2 - Relocate TL 626 along State Route 79 provided in SDG&E's response to Data Request No. 5.

**ATTACHMENT A**  
**Data Request 6**

**SDG&E Master Special Use Permit and Permit to Construct  
Power Line Replacement Projects**

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3. Please provide a typical magnetic field profile outside the edge of the ROW for both the existing 69 kV lines proposed for replacement and the proposed power line replacement projects with proposed new conductor. Please provide load currents and amperage used in developing the profile for both the existing condition, proposed condition, and maximum load condition that is assumed to be 1,580 amps or 138.394 MVA. Please provide SDG&E proposed measures to reduce magnetic fields consistent with CPUC G.O. 131-D and CPUC Decision 93-11-013 and indicate whether magnetic field profiles provided include recommended design measures to reduce magnetic fields.