

## PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE  
SAN FRANCISCO, CA 94102-3298



October 6, 2011

Mr. Kevin O' Beirne  
Regulatory Case Administrator  
San Diego Gas & Electric  
8330 Century Park Court,  
San Diego, California 92123-1530

**Subject:      *Data Request No. 10 – San Diego Gas & Electric (“Applicant”), South Bay Substation Relocation Project (CPCN Application No. 10.06.007)***

Dear Mr. O' Beirne:

The California Public Utilities Commission (CPUC) has identified additional information required to complete our analysis of the South Bay Substation Relocation Project. Please provide the information requested in *Attachment A*. Distribution of the Draft Environmental Impact Report (DEIR) is dependent on a response to this data request. Please provide the CPUC with a schedule indicating when a response will be submitted by San Diego Gas & Electric.

If you have any questions regarding this letter or need additional information, please contact me at 415.703.5484 or [jensen.uchida@cpuc.ca.gov](mailto:jensen.uchida@cpuc.ca.gov).

Sincerely,

Jensen Uchida  
Energy Division, Room 4A

Att:    *Attachment A – Data Request No. 10*

# **ATTACHMENT A**

*Data Request No. 10*

**ATTACHMENT A**  
**Data Request No. 10**  
**South Bay Substation Relocation Project**

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1. **GIS Alternative:** In response to Question 1 in Data Request No. 8, SDG&E indicated that in order to reduce the overall costs associated with the GIS Alternative; the 138 kV line would remain overhead as long as it is determined to be technologically feasible and provided a proposed schematic showing tie-lines assuming overhead of the existing 138 kV.

Please identify the approximate costs savings for SDG&E that would result in the event the 138 kV transmission line is to remain in the existing overhead configuration.

In Data Response No. 5 received by SDG&E on May 4, 2011, Section 2.1.2 stated the extension of the existing 138 kV alignment would occur in the same fashion for both the Proposed Project and GIS Alternative, which consists of undergrounding the 138 kV transmission line. Please provide a description of the proposed transmission line interconnections assuming undergrounding the 138 kV transmission line is determined to be technologically feasible. Please provide a map and ARC GIS shape files of the location of all transmission line interconnections that would be required with implementation of the GIS Substation Alternative that includes undergrounding the 138 kV transmission line.

2. **Telecommunications Tower:** In response to Question 5 in Data Request No. 1, SDG&E indicated the Telecommunications Tower proposed at the Bay Boulevard Substation would need to be 75 feet tall to provide adequate clearance above the 55-foot-tall 230 kV substation structures. SDG&E further stated a height of 75 feet will allow for a clear path to the existing mountain top to intercept into the existing SDG&E backbone network that would not be blocked with near field obstruction and is a reliable link for providing communication services at the proposed Bay Boulevard substation.

Please indicate whether alternative technology is feasible for providing the required telecommunications that would reduce the tower height and/or eliminate the need for the proposed Telecommunications Tower. Alternative technologies that may be considered feasible should include but not be limited to the following: fiber optic telecommunications, wave trap technology and antennas installed on the 230 kV substation structures.