

**PUBLIC UTILITIES COMMISSION**

505 VAN NESS AVENUE  
SAN FRANCISCO, CA 94102-3298



June 27, 2007

Mr. Kevin O'Beirne  
San Diego Gas & Electric Company  
8830 Century Park Court – CP32D  
San Diego, CA. 92123

**Re: Data Request #12 (Modified 6/20/07) for the SDG&E Sunrise Powerlink  
Transmission Project, Application No. 06-08-010**

Dear Mr. O'Beirne:

The California Public Utilities Commission's (CPUC) Energy Division has reviewed the documents and materials that SDG&E has provided including the Proponent's Environmental Assessment (dated August 4, 2006), the Application Supplement Materials (dated September 1, 2006), and SDG&E's Response to Data Requests No. 1 through 11. During the analysis of the aforementioned materials and in our preparation of EIR/EIS sections, we have identified additional items that require information from SDG&E. Additional data requests may be necessary to address alternatives and other CEQA/NEPA topics. This letter constitutes Data Request No. 12, including a modified request PS-3 only. Note that this request does not require field measurement of magnetic fields.

We would appreciate your prompt response to this request, which will allow us to maintain our current EIR/EIS schedule. We request that the response to these requests be provided to us by the following dates:

- PS-3 (EMF data): June 27, 2007

**Please submit one set of responses to me and one to Susan Lee at Aspen in San Francisco, in both hard copy and electronic format.** Any questions on this data request should be directed to me at (415) 703-2068.

Sincerely,

Billie C. Blanchard, AICP, PURA V  
Project Manager for Sunrise Powerlink Project  
Energy Division, CEQA Unit

Attachment

cc: Sean Gallagher, CPUC Energy Division Director  
Ken Lewis, CPUC Program Manager  
Steve Weissman, ALJ  
Traci Bone, Advisor to Commissioner Grueneich  
Nicholas Sher/Jason Reiger, CPUC Legal Division  
Lynda Kastoll, BLM  
Susan Lee, Aspen Environmental Group

# Sunrise Powerlink Transmission Line Project

## Data Request No. 12 – MODIFIED (6/27/07)

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### EMF / Public Health and Safety

PS-3 In order to illustrate the change in magnetic field as a result of installing the Sunrise Powerlink, we need baseline data for magnetic fields prior to installation of the Proposed Project, in addition to the data that was provided in the CPCN Application. Please provide magnetic field modeling results for each line segment shown in the table below.

The magnetic field modeling should include the contribution from each power line of 69 kV and above in the corridor, regardless of ownership, where the Proposed Project will be placed. The modeling should provide magnetic field strength across the corridor to the outmost edge of right of way for all power lines in the corridor.

For consistency, the magnetic field modeling should be based on power line currents in each line under a given power flow modeling condition such as the 2010 summer peak loading.

**Table 1. Sunrise Powerlink Transmission Line Segments**

500 kV Segment	
MP	Description & Approx. Location
0-4	IV Sub to MP 4 , 600 ft ROW (500 kV adjacent to/north existing 500 kV SWPL 150 ft lattice towers)
4-7.6	West of Seeley, 150 ft ROW (500 kV in new corridor; 150 ft lattice towers)
7.6-20.5	Agricultural area, 150 ft ROW (500 kV in new corridor; 160 ft steel poles; 5 160 ft lattice towers at angles)
20.4-37.7	IID corridor, 200 ft ROW (500 kV adjacent to/east of IID 161 kV; 150 ft lattice towers)
37.7-47.3	Hwy 78, 200 ft ROW (500 kV; 150 ft lattice towers)
47.3-50.1	South of Hwy 78+IID, 200 ft ROW (500kV adjacent to/east of IID 92kV; 150 ft lattice towers)
50.1-54	South of Hwy 78, 200 ft ROW (500 kV in new corridor; 150 ft lattice towers)
54-60.9	East of ABDSP, 200 ft ROW (500 kV adjacent to/south of IID 92 kv; 125 ft lattice towers)
60.9-68.2	ABDSP: Old Kane Springs Road (150 ft ROW; 500 kV and 92 kV collocated on same towers; 125 ft lattice towers)
68.2-69.7	ABDSP: East of Narrows Substation 150 ft ROW (500 kV overhead; 92 kV underground in Hwy 78, 125 ft H-frame towers)
69.7-74.8	ABDSP: West of Narrows Substation 150 ft ROW (500 kV overhead; 69 kV underground in Hwy 78, 125 ft H-frame towers)
74.8-83.5	ABDSP: Grapevine Canyon, 200 ft ROW (500 kV and 69 kV collocated on same towers 130 ft lattice towers)
83.5-87.6	South of Ranchita, 200 ft ROW (500 kV and 69 kV collocated on same towers 130 ft lattice towers)
87.6-91	San Felipe, 200 ft ROW (500 kV in new corridor; 150 ft lattice towers)

<b>230 kV Segment</b>	
<b>MP</b>	<b>Description &amp; Approx. Location</b>
<b>Central Link</b>	
91-97.6	Vista Irrigation District Property (2 - 230 kV in new corridor; 120 ft lattice towers or steel poles)
97.6-109.4	Santa Ysabel Valley (2 - 230 kV lines adjacent to relocated SDG&E 69 kV; SRPL: 120 ft steel poles; 69kV: 60 ft steel poles; 400 ft ROW)
<b>Inland Valley Link</b>	
109.4-117.2	East of Ramona (2 - 230 kV lines adjacent to/northwest of SDG&E 69 kV (120 ft steel poles), 200 ft ROW)
117.2-121.9	Mt. Gower/SD Country Estates (2 - 230 kV lines Underground; 60 ft ROW)
121.9-136.3	West of Ramona (2 - 230 kV adjacent to/northwest of SDG&E 69 kV (120 ft steel poles), 100 ft ROW)
<b>Coastal Link</b>	
136.3-142.3	Sycamore Canyon to Chicarita Substation 230 kV collocated with 138 kV, adjacent to/southwest of existing 69/230 kV (120 ft steel poles), 200 ft ROW
142.3-146.6	Rancho Peñasquitos and Los Peñasquitos Canyon Preserve ( 230 kV lines Underground; 60 ft ROW)
146.6-149.9	West of Los Peñasquitos Canyon Preserve 230 kV collocated with 69 kV, adjacent to/south of existing 69/138 kV (120 ft steel poles), 300 ft ROW
<b>Sycamore Canyon – Elliot 69 kV Reconductor</b>	
N/A	Sycamore Canyon-Elliot Substations - Reconductor of existing 69 kV (65-85 ft wood poles)