ED08-SDGE 03/27/15 Partial Response
A.14-04-011 SXPQ 230kV Transmission Line CPCN Project
Energy Division Additional Data Request 8 (ED08) Dated March 4, 2015
ED08-SDGE – Alternatives Questions: Q8 (partial) and Q9

Q#	Summary of SDG&E Response Submittals	Confidential	Pending status as of last submittal
1-11	**03/25/15 – Submittal 1: Q1, Q2, (Q3-Q8 all partial), Q10 & Q11**	Q1 Attachments	
	03/27/15 – Submittal 2: Q8 (partial), Q9	None	Pending (Q3 – 8 partial)

REPORT OVERVIEW

The California Public Utilities Commission (CPUC) has identified several areas where more information is needed to prepare a complete and adequate analysis of the potential environmental effects of a range of alternatives in accordance with the requirements of the California Environmental Quality Act (CEQA). Data needs are identified in bold. Clarifying information is provided below the data need.

Table 1: Application No. 14-04-011 Data Request #8 – Partial Response 2

#	Ref/Source Page #	Data Need	SDG&E Response
8	N/A	**Provide preliminary engineering for pole relocation alternatives for proposed poles within Segment A and Segment D under consideration by the CPUC environmental team.** Preliminary engineering is needed for an alternative pole locations in Segments A and D as shown on Attachment B: 1) Pole #5, Segment A – SDG&E's proposed location of Pole #5 was reviewed due to the extent of retaining wall required. It appears that this pole location could be shifted ahead-line towards the existing H-frame location. This pole shift could reduce the earthwork necessary without further negatively affecting the visual impact of the new 230 kV transmission line. 2) Poles #17 thru #21, Segment A – These poles are shifted 30 feet towards residences and are adjacent to Scripps Poway Parkway within a greenway. It appears there is room between the existing H-frames and the roadway for these poles to be shifted within the greenway 30 feet away from residences, toward Scripps Poway Parkway. In the case of Pole #17 the recommended shift may place the pole relatively close to the roadway. In this case an additional shift ahead-line may be worthwhile to increase the distance from the road. 3) Pole #24, Segment A - This pole is located adjacent to Poway Road and is on a slightly elevated area and is also the location for a wire stringing site requiring a large amount of grading and a retaining wall. It is recommended that this pole be shifted back-line to a	Attachment ED08 – Q8(a) contains GIS data for the relocated structures 49 – 57, including: • Temporary work limits, • Permanent operation and maintenance pads, and • Retaining walls.

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		somewhat less sloped area to reduce earthwork and retaining wall. 4) Poles #48 thru #57, Segment D - The poles in this section are shifted away from Peñasquitos Canyon, 40 feet from the existing H-frames and towards residences. An alternative to shift this section 30 to 40 feet towards Peñasquitos Canyon was reviewed. In general these shifts would require either a small extension of existing access road or restoration of a slightly longer section of existing road. Additional retaining walls may also be necessary for some of the crane pads. Preliminary engineering should include the following: • Revised pole heights for relocated poles • Locations and dimensions at each relocated pole of revised permanent and temporary work areas including stringing sites, maintenance pads, and access roads • Revised estimated quantities of cut and fill for each relocated pole • Length and height dimensions of any retaining walls for each relocated pole	
9	N/A	**Provide preliminary engineering for two potential underground alternatives from a cable pole located south of Carmel Valley Road at the east end of the underground line under consideration by the CPUC environmental team.** Preliminary engineering is needed for an alternative cable pole location south of Carmel Valley Road at the approximate location of the first existing structure south of Carmel Valley Road. There are two potential underground alignments between the cable pole and Carmel Valley Road as shown on Attachment C: 5) Northeasterly for a short distance (approximately 200 feet) along SDG&E access road to a paved road within the water reservoir facility north of the ROW. The route would be within the road for approximately 450 feet to Carmel Valley Road 6) West and parallel to Carmel Valley Road from the cable pole along an existing access trail to an existing main access road to Emden Road where the route then turns north for approximately 400 feet to	Attachment ED08 – Q9(a) contains preliminary underground alignment maps for the two CPUC-proposed routes from the south of Carmel Valley Road alternative cable pole location, including the following data: • Preliminary underground alignment, and • Approximate location of underground vaults. Attachment ED08 – Q9(b) contains GIS data for the preliminary underground alignments. Attachment ED08 – Q3(b) that was submitted with DR No. 8 Partial Response 1 on March 25, 2015 contains details for the new cable pole structures that would be utilized for the Alternative South of Carmel Valley Road Alternative, including the following: • Structure locations (northing/easting), • Structure height, • Retaining wall dimensions, and

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#	Ref/Source Page #	Data Need	SDG&E Response
		Carmel Valley Road. Provide preliminary engineering information as requested under item 3 above.	• Cut and fill estimates. Attachment ED08 – Q3(c) that was submitted with DR No. 8 Partial Response 1 on March 25, 2015 contains GIS data for the proposed cable pole structures, including: • Temporary work limits, • Permanent operation and maintenance pads, and • Retaining walls. Attachment ED08 – Q3(d) that was submitted with DR No. 8 Partial Response 1 on March 25, 2015 contains typical dimensions for underground construction work area requirements and Attachment ED08 – Q3(e) that was submitted with Partial Response 1 on March 25, 2015 contains typical duct bank dimensions. The two proposed underground alignments pass through City of San Diego dedicated park land where SDG&E does not currently possess ROW or underground rights. The threshold for non-park use can be very high, even to the point that a public vote could be required. Public cote to allow SDG&E use of dedicated park land would likely introduce timing and cost implications for the intent of the Proposed Project. Steel natural gas mains are parallel with a majority of the proposed alternative miles. The effect of AC interference on the existing DC cathodic protection systems will have to be studied to determine the magnitude of mitigation required. Key design assumptions for underground design were provided in Attachment ED08 – Q3(f) that was submitted with DR No. 8 Partial Response 1 (dated 3-25-15).