Alberhill System Project Outstanding Data Gaps (07/19/11)

DG#	Resource Area / Topic	Source / PEA Page	Data Gap Question	Request Date	Reply Date	Status	Notes
1.13	Agricultural / Biological Resources	Pgs. 3-37, 4-55, 4-63, 4-66, 4-67, 4-94	Discuss the potential for the project to affect trees (e.g., oak trees) and agricultural groves or orchards, both directly and indirectly. Specify if tree removal would be required as part of the project. If so, indicate the type, number, and location of trees that would need to be removed. Identify also the potential need for tree removal at alternative substation locations and along alternative transmission and subtransmission routes.	10/21/09	11/09/09 10/20/10	Oak tree data pending results of SCE biological surveys in 2011	
4.18.1	Purpose and Need	Ch. 1.0	a) After review of the energy data provided in your reply to data requests 4.18 and 4.28, it appears that many of the energy values identified as GWH are in fact MWH. For example, 4.18 indicates that SCE 2009 annual energy sales were 101,843,760 GWH. Please review the example data gap responses that are attached and confirm. b) Provide corrected data gap responses as needed.	02/25/10			
4.28.1	Purpose and Need	Ch. 1.0	After reviewing the SCE annual sales data contained in data request 4.18 with the forecasted Retail Sales contained in data request 4.28 there appears to be approximately a 18,000 GWH difference in the quantities. For example, the first shows 2009 SCE Energy sales at 101,843 GWH. The second shows SCE "Retail Annual Sales" forecasted to be 83,435 GWH in 2010 and only reaching 98,918 by 2020. Explain this discrepancy.	02/25/10			
5.8.1	Biological Resources	Data Gap Responses 5.8 and 5.17	The responses to Data Gap 5.8 did not apply to the 500-kV lines or 115-kV segments because additional surveys results were pending. Provide the information requested in Data Gap 5.8 for the 500-kV lines and all of the 115-kV segments. In addition, include access and spur roads for both the 500-kV lines and 115-kV segments (e.g., the 115-kV segment through the mountainous area between Skylark Substation and Newcomb Substation). Include the results of the additional pending 2010 Biological Surveys.	07/18/11			New
5.22	Other CEQA Cumulative	Ch. 6.0	Please provide a map that illustrates the anticipated destinations and routes of all new subtransmission/distribution line projects that SCE plans to construct as a result of the Alberhill System project. For example, please identify the communities where the installation of new 12 kV lines will become possible as a result of the Alberhill project.	01/07/10			

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5.24	Purpose and Need	Sec. 1.1	Please indicate which portions of the Alberhill project are being built to satisfy/comply with internal SCE requirements or guidelines. Please cite and all internal SCE guidelines/requirements that SCE relies on to support the purpose and need for the Alberhill project.	01/07/10			
5.24.1	Purpose and Need	Ch. 1.0	a) Provide a complete copy of SCE's Transmission Planning Criteria and Guidelines. b) Provide other SCE internal transmission planning documentation or manuals applicable to the proposed project as well as the Valley–Ivyglen Subtransmission and Fogarty Substation project.	02/25/10			
5.25	Purpose and Need	Sec. 1.2.1	The PEA includes five bullet points that disclose demographic\economic conditions in the Riverside County. Please update the data to include: - Population growth for 2009. - Foreclosure rate for 2009. -Total meters installed, removed and net installation for 2009.	01/07/10			
7.7.1	Project Description / Visual Resources	Ch. 3.0 / Sec. 4.1	Specify the number and locations where poles currently supporting 115-kV lines would be removed. For each location, specify the height and type (LWS, TSP, H-frame) of pole to be removed. Specify the number and locations where new poles would be installed to support 115-kV lines. For each location, specify the height and type (LWS, TSP, H-frame) of pole to be installed. Provide this information as GIS shape files.	05/05/10			See also 12.11
7.12.1	Hydrology and Water Quality / Utilities and Service Systems / Project Description	Data Gap 7.12	a. The response to Data Gap 7.12 indicated that the amount of water needed for dust suppression could not be estimated. It is acknowledged that there would be variables, but Table 52 in Appendix H of the PEA indicates that unpaved roads would be watered twice per day, reducing fugitive dust emissions from motor vehicle use by 55%. Provide an estimate for the amount of water that would be required to control fugitive dust. b. Estimate the amount of water required for other construction activities.	07/18/11			New

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7.12.2	Hydrology and Water Quality / Utilities and Service Systems / Project Description	Data Gap 7.12	a. Confirm the source of de-ionized water for the Valley Substation. Is water supplied from the local water agency then de-ionized at the Valley Substation or another SCE facility? b. At what frequency would 3,000 gallons of de-ionized water be consumed at the Alberhill Substation for cleaning electrical equipment?	07/18/11			New
7.12.3	Hydrology and Water Quality / Utilities and Service Systems / Project Description	Data Gap 7.12	1) Confirm that water use for landscaping irrigation and other operational activities at the proposed Alberhill Substation would be less than what was used by the horse ranch at the proposed substation site. 2) Estimate the total amount of water required for landscaping and other operational uses annually at the proposed Alberhill Substation.	07/18/11			New
7.38.1	Utilities and Service Systems / Project Description / Transportation and Traffic	Data Gap Request 7.38.1	a) Would the agricultural pipeline be relocated outside the boundary of the proposed Alberhill Substation property? b) Provide the latest engineering diagrams for relocation of the agricultural water pipeline. c) Clearly indicate on a map or engineering diagram where the new pipeline segment would be located in relation to the ROW of public roadways including Temescal Canyon Road and Concordia Ranch Road. d) Would an encroachment permit or other permit be required for pipeline relocation activities that would take place on or within the ROW of a public roadway? e) Would one or more lanes of a public roadway be closed, and if so, for how long?	07/18/11			New

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7.73.1	Noise	Data Request 7.73	a) Verify that the single-residence home on the horse ranch will be vacated prior to construction of the proposed project. b) Identify the closest sensitive receptor to the proposed substation site. Indicate the distance between the closest sensitive receptor and substation perimeter wall as well as the type of receptor. Under the Riverside County General Plan, the following are considered sensitive receptors: residential uses, schools, hospitals, rest homes, long term care facilities, mental care facilities, libraries, passive recreation uses, and places of worship. c) Conduct a noise survey for the proposed substation site containing: 1. A set of daytime and nighttime background ambient noise measurements from the perimeter wall of the substation site and the closest sensitive receptor. 2. Predict substation operating noise contributions to background ambient noise levels at the substation perimeter wall and closest sensitive receptor. - Base predicted noise levels on the model of transformers to be installed and location of the transformers in the substation footprint. - Provide predicted noise levels with and without transformer cooling fans running. - If the transformer model and proposed layout of the substation have not yet been determined, provide the maximum noise contribution that two transformers with the proposed rating (560 MVA) would produce under the expected operational conditions (transformers operating simultaneously, with and without cooling fans).	02/25/10			
8.3.1	Alternatives	Ch. 2	Data response 8.3 states that an application has been filed for a generation interconnection project to deliver power to the Valley South 115-kV bus. Provide the name of the project and its developer. What is the current licensing and permitting status of that project? Why was the project not considered as an alternative to the Alberhill System Project?	06/24/10			
12.1.1	Purpose and Need	Chapter 1.0	• Confirm that the following statements are accurate, and estimate the date when load would be exceeded and a third transformer would be required. o *The substation would be constructed with enough space for two additional 560 MVA 500/115-kV transformers. When electrical load exceeds 560 MVA, the first two transformers would serve the load and a third transformer would be installed as a spare. Based on the applicant's projections, the load may exceed*	07/18/11			New

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			560 MVA as early as [INSERT DATE]. A fourth transformer would be installed as a spare and the first three transformers would serve the load when electrical load exceeds 1,120 MVA, which is not anticipated to occur before 2018, based on the applicant's projections.				
12.6	Project Description	(April 2011 Revision) Chapter 3.0	1) If a switch would not be installed on a pole as part of the proposed project, explain how the disconnect between the Valley South 115-kV System and the proposed Alberhill 115-kV System. 2) Would open spans still be created as part of the proposed project? If so, how many and where?	05/18/11			
12.7	Project Description	(April 2011 Revision) Chapter 3.0 (p. 3-4)	a. Describe the current status of the horse ranch located on the property proposed for the Alberhill Substation. b. Explain why the paragraph about horse ranch demolition was removed from the revised project description. c. Provide SCE's current plans and schedule for horse ranch demolition.	05/18/11			
12.7.1	Project Description	Chapter 3.0	a) Provide documentation that indicates it is SCE's standard practice to remove structures from property newly acquired by SCE. b) Provide the results of nesting clearance surveys conducted prior to demolition. c) Indicate the dates and times of demolition and each structure that was demolished. Provide a figure of appropriate scale that indicates where structures were demolished and the boundary within which land was disturbed during demolition activities. d) Provide a list of each permit obtained for demolition of the horse ranch. e) List the number of wells and septic tank pits abated and list all associated permits obtained. Confirm that abatement was carried out in accordance with either Section 722.0 of the Uniform Plumbing Code or by methods approved by the County Building Official. f) Indicate how much solid waste was removed during demolition. Indicate how much solid waste was recycled. List the types of materials that were disposed of and the types of waste that were recycled. g) List the amount and types of hazardous wastes that were removed and how it was disposed of. h) Indicate if contaminated soil or groundwater were encountered during demolition and the actions that were taken if encountered.	07/18/11			New

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			i) Emissions estimates were revised to include horse ranch demolition in response to Data Gap Requests #1.8 and #9.1. Update these estimates based on the actual work performed.				
12.9	Air Quality	Section 4.3	Provide revised air quality calculations (Appendix H) consistent with the revised PEA.	05/18/11			
12.10.1	Project Description	DG 12.10	Indicate on maps each location where trenching or boring would occur outside the footprint of the Alberhill (proposed), Newcomb, and Skylark substations for telecommunications installations, and indicate the approximate length, width, and depth of trenching or boring.	07/18/11			New
12.11	Project Description, Biological Resources, Visual Resources	Ch. 3, Sec. 4.1, Sec. 4.4, Data Gaps 6.1, 6.1.1, 5.17, 7.7.1	a. Provide maps at a scale of 1 inch:400 feet or more detailed that show the locations where poles currently supporting each of the 115-kV line segments would be removed. Indicate (e.g., by using a key) what type of pole currently exists in each location. Number the poles on the map. Engineering maps or AutoCAD files showing street names, pole numbers, pole heights, and types of poles may be adequate. b. Provide a table for the 115-kV lines with rows that show pole/structure number and columns that specify the type of pole currently in place and the type of pole that the existing pole with be replaced with (e.g., LWS, TPS, H-frame). c. Specify, on the same maps, where staging areas, laydown areas, other work areas around pole removal sites, and pulling/tensioning/splicing sites would be located for the 115-kV lines. d. On the same maps, indicate where guard structures would be used for the 115-kV lines.	05/18/11			See also 7.7.1
12.12.1	Project Description, Biological Resources	Response to DG 12.12	a. The response to Data Gap Request 12.12 indicates that for 115-kV subtransmission reconductoring within public ROW, 0.1 acres would be permanently disturbed for 0.06 miles of new access and spur roads. Map the location of each new access and spur road. b. Confirm that there would be no new access or spur roads for 115-kV subtransmission reconductoring outside of public ROW.	07/18/11			New
12.16	Biological Resources	Data Gaps 1.13, 7.52, 7.54, 7.55, 7.56, 7.58	a. Provide maps at a scale of 1 inch:400 feet or more detailed that show vegetation types (including oak trees, shrub stands, aquatic resources, etc.) and suitable habitat for sensitive and special status plant and wildlife species along the 500-kV line and 115-kV line routes.	05/18/11			

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			b. The responses to Data Gaps 1.13, 7.52, 7.54, 7.55, 7.56, and 7.58 did not include the results of the 2010 Biological Surveys. Provide updated responses to each of the data gap requests based on the 2010 survey results; include 2011 survey data as available. For data that were requested on maps or GIS coordinates in the previous data gap requests, the updated responses may be combined with the maps provided in response to part "a" of this request.				
12.19	Lake Elsinore Advanced Pump Storage (LEAPS) Project	PEA p. 2-1, 6-1	a. SCE's July 2010 protest letter to Nevada Hydro's TE/VS LEAPS Project PEA stated that the PEA did not adequately study potential impacts on SCE, CAISO, and WECC systems posed by the 115-kV and 500-kV project elements. Explain what results may reasonably be anticipated from such study work and provide information about how the lack of adequate studies could impact SCE, CAISO, and WECC facilities. In your reply please address the potential impacts one may reasonably anticipate should Nevada Hydro's 115-kV and 500-kV project elements go forward as proposed. b. During a conference call between SCE, E & E, and the CPUC on July 14, 2010, reliability issues associated with operating the 115-kV and 500-kV system in parallel via a 500/115-kV transformer located at the proposed Santa Rosa substation were briefly discussed. Explain in greater detail what issues (reliability and other) could reasonably be expected as a result of such interconnection.	05/18/11			