

# Alberhill System Project Data Gaps

Incomplete  
(additional request)

Response Under  
Review

No Applicant Response

DR#. DG#	Resource Area/ Topic	Source / PEA Page	Data Gap Question	Request Date	Reply Date	Status	Notes
<b>Data Request #1</b>							
1.4	Project Description	Pgs. 2-2, 2-7  Fig. 2.2	Provide a detailed description of the proposed and alternative transmission line routes. Maps provided are not sufficiently detailed to determine environmental effects. Provide maps of suitable scale of the proposed and alternative transmission line routes. Show details of the right-of-way in the vicinity of settled areas, parks, recreational areas, scenic areas, and existing electrical transmission lines within 1 mile of the proposed routes and substation. Indicate how and where the transmission lines would connect with the substation. Indicate how and where the transmission lines would connect with the existing Serrano-Valley transmission line. Discuss the changes to the existing Serrano-Valley transmission line that would be required.	10/21/09	01/08/09	Response Under Review	
1.5	Project Description	Pgs. 2-7 to 2-11  Fig. 2.4	Provide a detailed description of the proposed subtransmission line routes. Maps provided are not sufficiently detailed to determine environmental effects. Provide maps of suitable scale of the proposed and alternative subtransmission line routes. Show details of the right-of-way in the vicinity of settled areas, parks, recreational areas, scenic areas, and existing electrical transmission lines within 1 mile of the proposed routes and substation. Indicate how and where the 115 kV subtransmission lines would connect with each other and with the proposed substation.	10/21/09	01/08/09	Response Under Review	
1.15	Biological Resources	Pgs. 4-61, 4-62	Provide the reports referred to in Section 4.4.4.2 for the biological resources surveys that have been conducted at the proposed and alternative substation locations and along the proposed and alternative transmission and subtransmission line routes.  Provide copies of the reports listed under "Section 4.4.4.1 Literature Review." To the extent that they are different from those listed in Section 4.4.4.1, provide copies of the reports from AMEC Earth and Environmental and AECOM Technical Services that are listed as references to Section 4.4 Biological Resources section.  Provide copies of the following references to Section 4.4 Biological Resources section: Chung 2009, Dudek 2009, iCubed 2009, and Lichvar and Ericsson 2004.	10/21/09	10/28/09	Incomplete (additional request)	
1.15.1	Biological	Response	While Dudek 2009 is cited in the reference list of the Biological	12/29/09			

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	Resources	1.15	<p>Technical Report (AECOM 2009), the Dudek 2009 reference has still not been provided. Appendix C of the Biological Technical Report (AECOM 2009) does not mention Dudek 2009 nor list the species covered by the Western Riverside County MSHCP.</p> <p>In addition, provide maps of suitable habitat for the Quino Checkerspot Butterfly. There were no maps provided in the Forensic Entomology Services May 1, 2009 report.</p>				
1.23	Hydrology and Water Quality	Pg. 3-3	Discuss the adequacy of the capacity for water sources to serve project demands for project construction and operational needs.	10/21/09	01/12/10	Response Under Review	
1.24	Land Use	App. J	Provide a copy of the Information Sheet that was included in the letters to Riverside County and the Cities of Lake Elsinore, Menifee, Wildomar, Canyon Lake requesting a brief position statement on the project. Provide the written responses from these agencies, or provide a statement of Southern California Edison Company's understanding of these agencies' positions.	10/21/09	01/12/10	Response Under Review	
<b>Data Request #2 (CPUC)</b>							
2.1	Purpose and Need	Ch. 1.0	Provide all retail sales forecasts performed by SCE in the last five years.	11/10/09		Incomplete (pending CPUC review)	
2.2	Purpose and Need	Ch. 1.0	Provide forecasts of SCE's annual retail sales created/done each year from 2004 to 2009 for the years 2004 through 2020.	11/10/09		Incomplete (pending CPUC review)	
<b>Data Request #4 (CPUC)</b>							
4.1	Purpose and Need	Ch. 1.0	Which Electrical Needs Area are the Alberhill, Fogarty and Valley-Ivyglen Projects wholly contained within?	12/14/09	12/31/09	Incomplete (pending CPUC review)	
4.3	Purpose and Need	Ch. 1.0	Please provide the recorded and forecast load data (in MVA and MW) for the <i>Electrical Needs Area</i> that contains the Valley-Ivyglen, Fogarty and Alberhill projects.	12/14/09	12/31/09	Incomplete (pending CPUC review)	
4.4	Purpose and Need	Ch. 1.0	Please provide the recorded and forecast load data (in MVA and MW) for <i>the System that contains</i> the Valley-Ivyglen, Fogarty and Alberhill projects.	12/14/09	12/31/09	Incomplete (pending CPUC review)	
4.5	Purpose and Need	Ch. 1.0	If no load growth data is available for the proposed project(s) specific area, how does SCE explain the need for the proposed project(s)?	12/14/09	12/31/09	Incomplete (pending CPUC review)	
4.6	Purpose and	Ch. 1.0	For the load data mentioned above, please provide the	12/14/09	12/31/09	Incomplete	

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	Need		<p>information in the following manner: (see table provided in the data request)</p> <p>Please provide the same information in the above table format for: the Valley-Ivyglen Electrical Needs Area; the Alberhill Electrical Needs Area; and the Fogarty Electrical Needs Area. Moreover, please provide the table information in graph form for all of the separate/individual systems/electrical needs areas. Each graph should have a separate line for MVA and a separate line for MW.</p>			(pending CPUC review)	
4.9	Purpose and Need	Ch. 1.0	SCE, in its Alberhill PEA states that the "2008 peak demand was adjusted from 817 MVA to 971 MVA. This 971 MVA value includes an adjustment to the 2007 benchmark plus 50 percent of the published 2008 forecasted load growth." Please state if this analysis utilized actual recorded numbers for 2008.	12/14/09	12/31/09	Incomplete (pending CPUC review)	
4.11	Purpose and Need	Ch. 1.0	SCE also states in its Alberhill PEA that the reduction of MVAs from 2007 to 2008 was 13.5%. SCE then goes on to state the "magnitude and anomalous nature of this 13.5 percent reduction prompted SCE to further evaluate the validity of this number." Please describe what SCE means by "anomalous". Does SCE expect this "anomaly" to continue through 2009 and 2010? When does SCE expect this "anomaly" to end?	12/14/09	12/14/09	Incomplete (pending CPUC review)	
4.12	Purpose and Need	Ch. 1.0	In SCE's response to CPUC DR2, Q4, does SCE assume the existence of both the Valley-Ivyglen and Fogarty projects? If so, please provide the same forecast with both of these projects. If not, please provide the same forecast with the assumption that both of these projects are in service.	12/14/09			
4.17	Purpose and Need	Ch. 1.0	Do recorded sales play a factor in reaching the MVA number? If so, please explain? If not, why not?	12/14/09			
4.18	Purpose and Need	Ch. 1.0	Is there a relationship between kilowatt-hour sales and MVAs?	12/14/09			
4.19	Purpose and Need	Ch. 1.0	The recorded sales for Riverside County in kWh increased by 0.85% between 2007 and 2008, however, in SCE's Alberhill PEA, SCE shows an MVA increase of 2.7% between 2007 and 2008. Why is the MVA increase over 300% greater than the increase in kWh for the same period?	12/14/09			
4.24	Purpose and Need	Ch. 1.0	If the line is (or will be) subject to NERC and WECC for reliability purposes has SCE violated any WECC or NERC reliability standards?	12/14/09			
4.25	Purpose and Need	Ch. 1.0	Regarding Table A.1-2 Electrical Needs Area –Line Capacity and Peak Demand, page A-13 of Valley-Ivyglen and Fogarty DEIR, the table shows that in 2008, the normal load was higher than the normal capacity of the line. Did SCE violate any WECC or NERC reliability standards because of this	12/14/09			

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			presumed overload? If no violation occurred, why not?				
4.26	Purpose and Need	Ch. 1.0	If no violation occurred were any contingencies in place?	12/14/09			
4.27	Purpose and Need	Ch. 1.0	With Regards to Table A.1-2 referenced in Q.20 above, please reconcile the table with the table and graph provided in SCE response dated 9/25/08 (re: CPUC Ivyglen DEIR Growth Inducement) where SCE shows the weather adjusted peak for 2008 as being 120 MVA. Please provide the non-weather adjusted MVA for 2008.	12/14/09			
4.28	Purpose and Need	Ch. 1.0	Please provide system wide forecasts of SCE's annual retail sales created/done each year from 2004 to 2009 for the years 2004 through 2020. If available on a monthly basis, please provide on such a basis.	12/14/09			
4.29	Purpose and Need	Ch. 1.0	With regards to the chart/table that follows question 5.4.6, please add Ivyglen to the list of lines and substations already in the table and please provide the same data as requested, i.e., MVA and MW (recorded, projected, etc.) for the Ivyglen substation.	12/14/09			
<b>Data Request #5</b>							
5.1	Land Use / Biological Resources		Provide a map that includes the following information for each parcel that the proposed project would cross: Assessor Parcel Numbers, property line dimensions, acreage, ownership (e.g., private, Western Riverside County MSHCP, Riverside County Habitat Conservation Area HCP). Specify existing and proposed easements/ROWs for utilities.  Specify easement/ROW status for the 500-kV lines and all other project components including substation footprint and staging areas as well as staging areas, pull sites, and tower sites for both 115-kV and 500-kV lines.	01/07/10			
5.2	Project Description	Pgs. 3-17 to 3-19	Provide a description of the construction and location of the 6.5-mile segment of the Alberhill System project between the Alberhill Substation and the intersection of Third Street and Collier Avenue if the Valley-Ivyglen subtransmission line is not constructed.	01/07/10			
5.3	Project Description	Ch. 3.0	Provide details of quantities and installation distances of conductors proposed for use in aboveground installation locations. Provide specific information of distances to the ground and between conductors at highways, rivers and/or special crossings. Confirm that there would not be any below-ground installation or if so, provide details of line type, casing and include an engineering drawing showing a typical underground installation.	01/07/10			

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5.4	Project Description	Pg. 3-25	Describe best management practices that would be employed to avoid impacts caused by the use of helicopters (e.g., impacts on air quality and noise resources).	01/07/10			
5.5	Project Description	Pgs. 3-31, 4-93-98	Provide additional details about cleanup and post construction restoration, including personnel, equipment and methods to be used, for areas of vegetation, wetlands and wetland buffer areas, riparian habitat and sensitive natural communities.	01/07/10			
5.6	Project Description	Pg. 3-38	Provide additional details about the construction workforce and equipment.	01/07/10			
5.7	Project Description	Ch. 3.0	Specify the amount (in gallons) of diesel, gasoline, and aviation fuel that would be consumed during <i>construction</i> of the proposed project. Specify the amount (in gallons) of diesel, gasoline, and aviation fuel that would be consumed annually during <i>operation and maintenance</i> of the proposed project.	01/07/10			
5.8	Biological Resources	Sec. 4.4	<p>Provide a table that shows temporary and permanent impact disturbances (in acres) by vegetation community for all project sites including the substation footprint and staging areas as well as tension and pull sites, and tower and pole sites for both 115-kV and 500-kV lines that would be constructed, double-circuited, reconducted, or replaced.</p> <p>For example, rows in the table would be titled by vegetation community and columns would be titled Substation Footprint and Staging Areas; 500-KV Line Towers, Staging Areas, Tension and Pull Sites; 115-kV Line Towers, Staging Areas, Tension and Pull Sites.</p>	01/07/10			
5.9	Biological Resources	Pgs. 3-35 to 3-37	<p>Provide a table that indicates when outstanding biological surveys will be conducted. Indicate in the table the survey date, species to be surveyed, survey methods that will be used (e.g., protocol or reconnaissance-level surveys), areas to be surveyed (specify and include substation footprint and staging areas as well as staging areas, pull sites, and tower sites for both 115-kV and 500-kV lines), and survey personnel qualifications.</p> <p>The PEA, for example, states that Stephen's Kangaroo Rat surveys will be conducted, but it does not say when or where (pg. 3-36).</p>	01/07/10			
5.10	Biological Resources	Fig. 4.4-2, 4.4-3  Table 4.4-2	Provide further description about observed golden eagle occurrences. Identify perch and nest sites and provide complete habitat descriptions for these areas.	01/07/10			

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5.11	Biological Resources	SCE-CPUC meetings	Provide contact reports from meetings and discussions with the Regional Conservation Authority, the U.S. Fish and Wildlife Service, and the California Department of Fish and Game.	01/07/10			
5.12	Biological Resources	Pg. 4-64	Provide a table of observed invasive and noxious species occurrences. Put species observed in one column, description of location and habitat type in a second location notes column. Examples of appropriate location notes: (1) In ROW east of Murrieta Rd. and in fire-disturbed chaparral vegetation; (2) Bordering wash in riparian scrub adjacent to east side of proposed substation.	01/07/10			
5.13	Project Description	Pgs. 3- 20, 3-31	<p>Indicate on a map where all new or replaced telecommunications lines or facilities would be placed <u>underground</u> and where they would be placed <u>overhead</u>. Page 3-31 of the PEA states, "The fiber optic system construction would include the installation of overhead facilities, underground facilities and new telecommunications equipment."</p> <p>If telecommunications facilities would be placed underground, explain how. Would new or existing conduit be used? Indicate the number of new poles would be installed to support new or replaced telecommunications equipment in addition to the poles and towers that would be installed for the Alberhill Substation and 500-kV loop-in lines or 115-kV lines between Elsinore, Skylark, and Newcomb Substations that are already described in the PEA.</p> <p>The PEA states, "In addition, the five 115/12 kV substations that would be transferred to the new Alberhill System would be connected by new and existing fiber optic cable" (p. 3-20). Indicate on a map where all new fiber optic cable would be installed. Also indicate if the fiber optic cable would be installed underground or overhead and describe any new structures or conduit that would be required.</p>	01/07/10			
5.14	Air Quality and Greenhouse Gases	App. H: Air Qual. Calc. (all tables)	Provide, in Microsoft Excel format, all of the air emission and greenhouse gas tables from Appendix H. Include all of the calculations and input values used in the tables presented in Appendix H.	01/07/10			
5.15	Project Description	Pg. 3-18	Indicate on a map where the Ivyglen-Newcomb-Skylark 115 kV subtransmission line is located. Indicate on the same map where the Elsinore-Skylark 115 kV subtransmission line is located.	01/07/10			
5.16	Project Description	Pgs. 3-17 to 3-18	List the total length of each of the following lines (in miles) that would be double-circuited. In addition, list the total length of	01/07/10			

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			<p>each of the following lines that would require new or replaced structures (if different).</p> <ul style="list-style-type: none"> <li>• Valley-Elsinore-Ivyglen</li> <li>• Ivyglen-New comb-Skylark</li> <li>• Elsinore-Skylark</li> <li>• Valley-New comb-Skylark</li> </ul>				
5.17	Project Description	Pg. 3-21	Specify on a map and in writing the locations and estimated sizes of all pull and tension sites that would be used during construction for all aspects of the proposed project: 500-kV Substation, 500-kV transmission lines, 115-kV subtransmission lines, and telecommunications equipment.	01/07/10			
5.18	Project Description	Pg. 3-18, Figure 3-3	<p>- There is a discrepancy between the description of the switch pole installation on page 3-18 and Figure 3.3.</p> <p>- Describe how the switch pole would be installed (i.e., how the switch pole would be integrated with the existing 115 kV system). Indicate the number of additional poles that would be required for the tie in. Indicate the number of poles that would be removed.</p> <p>- How long would the span of wire be that is removed from the Valley-New comb 115 kV line?</p>	01/07/10			
5.19	Transportation	Sec. 4.15	Provide the total number and location of all road crossings that would be made by the 500 kV and 115 kV subtransmission lines. Describe road crossing locations in text format and identify them on an adequately scaled map.	01/07/10			
5.20	Project Description	Pgs. 3-17 to 3-19	<p>- Indicate the total number and type of structures to be removed for all aspects of 115 kV subtransmission line installation and modification (e.g., number of wood poles, number of H-frames, number of LWS poles).</p> <p>- Indicate the total number of structures to be installed by type for the proposed project (e.g., total number of wood poles, total number of H-frames, total number of LWS poles, total number of TSPs, and total number of 500 kV towers). The PEA lists the number and type of structures to be installed by line segment but not in total.</p> <p>- Indicate the total distance (in miles) of 115 kV subtransmission lines to be installed or modified. The PEA lists distances by line segment but not in total.</p>	01/07/10			
5.21	Other CEQA	Ch. 6.0	Please provide a map of all system improvements, upgrades, and new construction planned by SCE within the Alberhill Electrical Needs area between January 1, 2010 and December 31, 2017.	01/07/10			

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5.22	Other CEQA	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			
5.23	Purpose and Need	Sec. 1.1	The PEA states that the purpose of the Alberhill project is to satisfy/comply with FERC, NERC and WECC requirements. Please specify which portions of the Alberhill are subject to these requirements. Please cite to the specific FERC, NERC, WECC rules/sections/sub sections/standards, etc. that are applicable.	01/07/10			
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			
5.25	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: <ul style="list-style-type: none"> <li>- Population growth for 2009.</li> <li>- Foreclosure rate for 2009.</li> <li>-Total meters installed, removed and net installation for 2009.</li> </ul>	01/07/10			