Alberhill System Project Data Gap Set #8

DG#	Resource Area / Topic	Source / PEA Page	Data Gap Question	Request Date	Reply Date	Status	Notes
			Data Request #8				
8.1	Alternatives	Ch. 2	As an alternative to the proposed project, provide a 115-kV power-flow analysis for the Valley South 115-kV System with the addition of a fifth load-serving transformer at Valley Substation. Show how the additional 115-kV power would be distributed to the Electrical Needs Area, including the Substation Target Area (PEA Figure 1.1). For the purposes of this power-flow analysis, do not incorporate the proposed Alberhill Substation. The analysis should consider normal and N-1 conditions and be representative of both 2012 and 2017 loading conditions. In addition, explain how the Substation Target Area was determined.	05/19/10			
8.2	Alternatives	Ch. 2	As an alternative to the proposed project, provide a 115-kV power-flow analysis as stated under Data Gap Request 8.1 but for a fifth transformer that steps-down power from the Inland Empire Energy Center (Unit 1 outputting 400 MW) from 500 kV to 115 kV prior to connecting to the existing Valley South 115-kV System. The transformer may be installed at or near the existing Valley Substation. It would connect directly to the existing 115-kV switching system at the Valley Substation. For the purposes of this power-flow analysis, do not incorporate the proposed Alberhill Substation. The analysis should consider normal and N-1 conditions and be representative of both 2012 and 2017 loading conditions. In addition, discuss the status of the interconnection agreement between SCE and the Inland Empire Energy Center with regard to Unit 2.	05/19/10			

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8.3	Alternatives	Ch. 2	a. Assuming a fifth transformer is installed at Valley Substation as described under Data Gap 8.2, indicate the resultant effect on short-circuit values and the induction motor issue described in SCE's response to Data Gap 7.3. b. Discuss the effect on short-circuit values at Valley Substation and the induction motor issue described in SCE's response to Data Gap 7.3 once the new Devers-Palo Verde #2 Line (now approved) is connected to Valley Substation. c. In what ways would connecting the Devers-Palo Verde #2 Line to Valley Substation "stiffen" the system, including the Valley South System, as discussed in SCE's response to Data Gap 7.3? d. Discuss the assumptions (in addition to the third load-serving transformer) underlying the calculations for 48 kA in 2012 and exceeding 50 kA in 2014 provided in SCE's response to Data Gap 7.3.	05/19/10			