

Alberhill System Project Data Gap Request 14.1 (Revised) 03/14/12

DG#	Resource Area / Topic	Source / PEA Page	Data Gap Question	Request Date	Reply Date	Status	Notes
14.1	Alternatives	Ch. 2, <u>Data Response 12.1.1</u>	<ul style="list-style-type: none"> • <u>The response to Data Request 12.1.1 indicates that a third transformer (as a spare) is estimated to be required at the proposed Alberhill Substation between 2024 and 2029. When is it estimated that electrical demand on the Alberhill System would exceed 1120 MVA, the third transformer would become load serving, and a fourth transformer would be installed as a spare?</u> • <u>Discuss planning considerations and the feasibility of constructing a substation for an ultimate build out of two transformers and a spare at the proposed Alberhill Substation site.</u> • If a modified system were constructed for an ultimate build out of two transformers and a spare at a site located north of Canyon Lake as shown in Attachment A or just north of the proposed 115-kV Segment 8 (see Attachment A), describe the changes, additions, and improvements to existing 115-kV systems that would be required to make the output from these transformers useful in meeting projected demand in a reliable and flexible manner. Assume that site improvements (e.g., grading) and acquisition feasibility would be comparable to the proposed site. Additional assumptions would be similar to those used to respond to Data Gap Request 8.1.1. <ul style="list-style-type: none"> — This system alternative also assumes that a smaller overall project would be constructed and operated to serve a reduced Alberhill 115-kV service area. The reduced Alberhill 115-kV service area may include — Scenario A: Ivyglen, Fogarty (proposed), and Elsinore substations; — Scenario B: Ivyglen, Fogarty (proposed), Elsinore, and Skylark substations; or — Scenario C: another combination of substations that would be sufficient to relieve load from the Valley South 115-kV System through the planning period (through 2020) if a new 500/115-kV substation were constructed for an ultimate build out of only two transformers and one spare. • In addition, instead of de-energizing (or keeping energized but not serving load) a long segment of the existing 115-kV Valley–Elsinore–Ivyglen Line as proposed, consider using this existing line along with the pending 115-kV Valley–Ivyglen Line to transmit electricity from a 500/115-kV substation constructed at one of the substation site alternatives shown in Attachment A. • If a reduced Alberhill 115-kV system were to be constructed, at what point in time would additional reinforcements be required assuming each of the scenarios described above (Scenarios A, B, and C)? <ul style="list-style-type: none"> - See also outstanding Data Gap Request 12.1.1 regarding when a third transformer is projected to be required at the proposed Alberhill Substation. 	03/14/12 08/22/11		Data request revised 03/14/12	Attachment: Data Response 12.1.1 Attachment A