

**PACIFIC GAS AND ELECTRIC COMPANY
Manzana Wind Project
Application 09-12-002
Data Response**

PG&E Data Request No.:	ED_001-04		
PG&E File Name:	ManzanaWindProject_DR_ED_001-Q04		
Request Date:	September 22, 2010	Requester DR No.:	001
Date Sent:		Requesting Party:	Energy Division (ED)
PG&E Witness:	David Lewis	Requester:	Amy Baker

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QUESTION 4

Please provide the latest estimate for the completion of the Whirlwind substation. Include the specific source of the information.

ANSWER 4

PG&E, SCE and Iberdrola continue to make progress toward completion of the Whirlwind substation components necessary to interconnect the Manzanita Wind Project by November 2011:

1. SCE has assigned the Manzanita Wind Project to connect to Bay Position 1 on the Whirlwind 230 kV bus. This bay position is advantageous because it cleanly ties into the termination of the Manzanita 220 kV Gen-tie line, which eliminates the need to design crossing structures and streamlines the construction schedule. In addition, Bay Positions 1 and 2 will be completed ahead of the originally assigned Bay Position 4.
2. SCE is working with the contractor building Whirlwind Substation on a schedule proposal to meet the November 2011 completion date for Positions 1 and 2. Bids have been received and SCE is currently evaluating them.
3. The United States Fish and Wildlife Service (USFWS) issued the final Biological Opinion for the Tehachapi Renewable Transmission Project (TRTP) on July 30, 2010, thereby resolving federal Endangered Species Act issues and allowing the United States Forest Service (USFS) to issue its Record of Decision on October 4, 2010.

4. State permitting for TRTP is substantially complete, with remaining California Department of Fish and Game and Water Board approvals expected by mid-November 2010.

5. PG&E and SCE have worked together to ensure that the necessary Path 26 Remedial Action Scheme (RAS) modification design, approval, and construction is in place prior to November 2011 in order to support the energization of Whirlwind Substation. The Path 26 RAS modification will update the facilities monitoring the 500kV transmission system between PG&E's Midway Substation and SCE's Vincent Substation, sufficiently protecting the network once the generation interconnected to Whirlwind is commercially operational. The modification is a necessary component of the TRTP process.

The information provided above is based on the latest available information obtained from SCE, publicly available permitting documents, and PG&E's own work with SCE and Iberdrola to facilitate timely interconnection of the Manzana project.

The latest draft of the Large Generator Interconnection Agreement (LGIA), Appendix B, currently reflects an In-Service date of May 2012 for the entire Whirlwind substation but "recognizes that the Interconnection Customer desires an In-Service Date that is earlier than the target In-Service Date in the LGIA," states that SCE "will work with the Interconnection Customer to determine whether an earlier In-Service Date can be achieved using Reasonable Efforts," and provides that, "[i]f an earlier In-Service Date is determined to be feasible, [SCE] will use Reasonable Efforts to achieve such earlier date." PG&E expects that the final LGIA will be executed by October 31.

Consistent with these commitments, as discussed above, PG&E, SCE and Iberdrola are working together to take all reasonable actions necessary to meet the November 2011 date for completing, at a minimum, the Whirlwind Substation 230 kV Bay Positions 1 and 2 as initially requested by the interconnection customer and reflected in the final Facilities Study, which would allow the Manzana Wind Project to interconnect at the end of 2011.