

PACIFIC GAS AND ELECTRIC COMPANY

Case Name

Case No.

Data Response

PG&E Data Request No.:	DRA_04		
PG&E File Name:	AL4058-E		
Request Date:	July 5, 2012	Requester DR No.:	
Date Sent:	July 12, 2012	Requesting Party:	DRA
PG&E Witness:		Requester:	Hank Pielage

SUBJECT: CONTRA COSTA-MORAGA #1 AND #2 230kV NERC PROJECT

After review of your response in DRA_02, DRA finds a Data Gap and also requests additional information.

QUESTION 1

DRA requested a citation of the NERC Requirements used as a basis for the proposed construction activities. To clarify our request, we are asking for a citation of the specific FERC approved NERC Reliability Standard that PG&E used in performing the engineering analysis referred to in you Answer 1.

ANSWER 1

PG&E's efforts are not in response to a NERC Reliability Standard; instead, as stated in PG&E's response to DRA_02, PG&E is responding to a NERC Recommendation to Industry sent to all Transmission Owners on October 7, 2010. This Recommendation to Industry requires that PG&E verify the as-built condition of transmission line facilities. Pursuant to this NERC Recommendation to Industry, PG&E has committed to assessing 2,700 miles of its existing transmission lines in 2011, 5,500 miles in 2012 and 4,350 miles in 2013. The approach being taken is to LiDAR survey, PLS CADD model these circuits and verify their ground clearance at the maximum load condition using CPUC General Order (GO) 95 as the measure for required clearance. A link to the October 7, 2010 NERC Recommendation to Industry was provided to DRA in response to DRA_02.

QUESTION 2

In order to fully understand the need for PG&E's proposed construction activities, DRA requests copies of each analysis performed which should include each specific violation of the standard found in the analysis, the specific nature of the violation, e.g., what is the offending object, and lastly, what is the root cause of the violation.

ANSWER 2

To address the request for analysis performed PG&E is providing PDF files for the PLS CADD models which were prepared and identified the issues at the subject spans of conductor. (See Attachment - Contra Costa-Moraga NERC Existing P&P.PDF)

Below is the detail for the issues identified from the PLS CADD Models.

CPUC GO 95 Case #2 – Crossing or along thoroughfares in urban or rural districts or across other areas capable of being traversed by vehicles or agricultural equipment. Parking on roofs of buildings.

Span 1/9 to 1/10, - 4.77 feet to ground

Span 2/12 to 2/13, -1.35 feet to ground

Span 2/17 to 2/18, - 2.14 feet to ground

Span 3/18 to 3/19, - 1.57 feet to ground

Span 4/23 to 4/24, - 6.46 feet to ground

Span 4/26 to 5/27, - 5.37 feet to ground

Span 5/27 to 5/28, - 0.81 feet to ground

Span 9/50 to 10/51, - 3.82 feet to ground

Span 11/58 to 12/59, -2.17 feet to ground

Span 12/62 to 13/63, - 3.10 feet to ground

Span 13/67 to 13/68, - 0.46 feet to ground

Span 26/125 to 26/126, - 0.39 feet to ground

CPUC GO 95 Case #15 – Distance of conductors from distribution and transmission conductors. Vertical separation at crossings.

Span 3/19 to 3/20, -3.18 feet to a distribution conductor

Span 18/88 to 18/89, - 5.25 feet to distribution conductor

There is not presently a root cause analysis in progress.