Southern California Edison
WODUP A.13-10-020

DATA REQUEST SET A.13-10-020 WODUP ED-SCE-13

To: ENERGY DIVISION
Prepared by: Scott Lacy, P.E.
Title: Project Engineer
Dated: 02/12/2015

Question ALT-22a:

ALT-22 Follow-up to SCE response on ALT-18a.

The conductor evaluation table provided with SCE's response to ALT-18a indicates that the single-conductor 1033.5 ACSR on the existing line has a structure overload rate of 13% for the two segments evaluated by SCE. To allow the CPUC and EIR/EIS team to understand the current structure overload conditions shown for the existing line please clarify:

22a. Were the existing structures designed to different wind loading conditions than the 12 psf to 18 psf loading conditions identified by the 2011 meteorological study, noted in response to ALT-18a?

Response to Question ALT-22a:

Yes, the existing structures were designed to different wind loading conditions than the 12 psf to 18 psf loading conditions identified by the 2011 meteorological study, as referenced in SCE's previous response to Data Request Question No. ALT-18.a.

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Question ALT-22b:

ALT-22 Follow-up to SCE response on ALT-18a.

The conductor evaluation table provided with SCE's response to ALT-18a indicates that the single-conductor 1033.5 ACSR on the existing line has a structure overload rate of 13% for the two segments evaluated by SCE. To allow the CPUC and EIR/EIS team to understand the current structure overload conditions shown for the existing line please clarify:

22b. If lower wind pressures were utilized for design of the existing line, please identify the value of wind pressure used and the source for this previously used design condition.

Response to Question ALT-22b:

The line design criteria used for the various existing transmission lines supported by the double-circuit towers within the WOD corridor was developed in 1975 based on the defined G.O.95 Light Loading condition applicable to transmission lines under 3,000 foot elevation, namely 25 F with 8 PSF wind.