

PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3298



January 6, 2023

Tom Diaz
SCE Regulatory Affairs - Infrastructure Licensing
Southern California Edison

Via email to thomas.diaz@sce.com

RE: CPUC Supplemental Data Request 17 for the Southern California Edison Alberhill System Project, A.09-09-022

Dear Mr. Diaz,

Upon further review of Southern California Edison's supplemental data response to the additional analyses requested in Decision 18-08-026, the Energy Division requests the information contained in Attachment 1 to this letter. Responses should be submitted to the Energy Division and WSP in electronic format. We request that SCE respond to this data request by January 20, 2023. Inform us as soon as possible if you cannot provide specific responses by this date. Delays in responding to this data request may cause delays in the supplemental analysis review process.

Direct questions to Joyce Steingass at (415) 703-1810 or by e-mail (address below). Please copy the CPUC's consultant, Amy DiCarlantonio, WSP, on all communications (amy.dicarlantonio@wsp.com). Energy Division reserves the right to request additional information at any point during the proceeding and subsequently during project construction and restoration should Application (09-09-022) be approved.

Sincerely,

A handwritten signature in black ink, appearing to read "Joyce Steingass".

Joyce Steingass, P.E.
CPUC Project Manager
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102-3298
Joyce.Steingass@cpuc.ca.gov

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CC: Amy DiCarlantonio, Project Manager, WSP

Attachment 1: 2023-0106_Data Request No. 17_Table

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DG #	Resource Areas/ Topic	SCE Data Submittal Item/Page	Data Gap Question	Response
DG-MISC-80_FollowUp_1	N-0 and N-1 Conditions	Data Request 11: DG-MISC-80-First Supplemental Attachment 1 of 1.xlsx	<p>Provide additional legend and footnotes to fully annotate the table provided in response to DG-MISC-80 (DG-MISC-80-First Supplemental Attachment 1 of 1.xlsx).</p> <ul style="list-style-type: none"> • In Row 3, identify the units for values including LAR, EENS, and period of flex deficit (e.g., MWh or hours). • State the assumptions SCE used to define N-1 loss of transformer related to the values shown in Columns I (N-1 Transformer Outage - Period of Flexibility Deficit), J (N-1 Transformer Outage - LAR), and K (Meets N-1 Planning Criteria Yes/No). <ul style="list-style-type: none"> ○ Define how SCE determined the period of flexibility deficit in Column I. <ul style="list-style-type: none"> ▪ Having separated the N-1 Transformer Outage from the Flex 2-2 study case, please explain the reason(s) for larger LAR values being presented for the year 2031 in DG-MISC-80 for alternatives as compared to the corresponding alternative LAR values in later years presented for the Flex 2-2 study case in Exhibit G-2. For example, the VS-VN alternative is shown to have 2137 MWh of LAR in DG-MISC-80, whereas in Exhibit G-2, the worst scenario Spatial Base Forecast in Table 5-37, shows only 1710 MWh of LAR in 2033. ○ Define how SCE determined the Load At Risk in Column J. <ul style="list-style-type: none"> ▪ Having separated the N-1 Transformer Outage from the Flex 2-2 study case, please explain the reason(s) for larger PFD values being presented for the year 2031 in DG-MISC-80 for alternatives as compared to the corresponding alternative PFD values in later years presented for the Flex 2-2 study case in Exhibit G-2. For example, the VS-VN alternative is shown to have 38 hours of PFD in DG-MISC-80, whereas in Exhibit G-2, the worst scenario Spatial Base Forecast in Table 5-37, shows only 22 hours of PFD in 2033. ○ Define the acceptance criteria used for declaring a project alternative received either a “Yes” or “No” for “Meets N-1 Planning Criteria” in Column K. • Annotate in the box below the spreadsheet, how SCE determined the values reported for columns L (Resilience Flex-2-1 2031 LAR), M (Resilience Flex-2-1 2031 EENS), and Q (Period of Flexibility Deficit (# of hours between 672 and 896 MVA (after first hour and after spare transformer switched in))). As necessary, use footnotes to refer to reference paragraphs in Exhibit C-2 or Exhibit G-2 for SCE methodologies. • Additional footnotes, as needed, for readers to understand the assumptions, methodology, accumulation, and units used for each item in the table. 	