

## PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE  
SAN FRANCISCO, CA 94102-3298



February 14, 2020

Shannon Stewart  
Senior Advisor - Infrastructure Licensing  
Southern California Edison

Via email to [shannon.c.stewart@sce.com](mailto:shannon.c.stewart@sce.com)

**RE: CPUC Supplemental Data Request 1 for the Southern California Edison Alberhill System Project, A.09-09-022**

Dear Ms. Stewart,

Upon further review of Southern California Edison's January 16, 2020 Interim Solution Status Update (Short Term Capacity Addition), the Energy Division requests the information contained in Attachment 1 to this letter. Responses should be submitted to the Energy Division and Ecology and Environment, Inc. in electronic format. We request that SCE respond to this data request by February 28, 2020. Inform us as soon as possible if you cannot provide specific responses by this date.

Direct questions to Joyce Steingass at (415) 703-1810 or by e-mail (address below). Please copy the CPUC's consultant, Amy DiCarlantonio, Ecology & Environment, Inc., on all communications ([ADiCarlantonio@ene.com](mailto:ADiCarlantonio@ene.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](mailto:Joyce.Steingass@cpuc.ca.gov)

**PUBLIC UTILITIES COMMISSION**

505 VAN NESS AVENUE  
SAN FRANCISCO, CA 94102-3298



CC: Amy DiCarlantonio, Project Manager, Ecology and Environment, Inc.  
Grant Young, Deputy Project Manager, Ecology and Environment, Inc.

Attachment 1: 2020-0213\_Data Request No. 01\_Table

**Attachment 1: 2020-0213\_Data Request No. 01\_Table**

DG #	Resource Areas/ Topic	SCE Data Submittal Item/Page	Data Gap Question	Response
DG-MISC-1	Project Design	1/16/2020 Interim Solution Status Update (Short Term Capacity Addition)	What assumption (MWh/acre) was used for evaluating whether BESSs could be sited at existing SCE distribution substations?	
DG-MISC-2	Project Design	1/16/2020 Interim Solution Status Update (Short Term Capacity Addition)	Are there parcels adjacent to Valley Substation which are large enough to accommodate the 50MW/100MWh BESS?	
DG-MISC-3	Process	1/16/2020 Interim Solution Status Update (Short Term Capacity Addition)	Consider if ISP (Independent Study Process) is an option to streamline the process?	
DG-MISC-4	Purpose and Need	1/16/2020 Interim Solution Status Update (Short Term Capacity Addition)	Share past examples where the spare was in use and also needed for overload condition simultaneously; what is the probability of that occurring in the future?	
DG-MISC-5	Purpose and Need	1/16/2020 Interim Solution Status Update (Short Term Capacity Addition)	Re-confirm whether any of the four existing SCE energy storage procurement programs could be used for implementing an interim solution. For example, does the interim solution exceeding the “typical project size” rule out the use of a program? Is the ESP&IP limited to small project sizes? Is the RUOES full?	
DG-MISC-6	Administrative	1/16/2020 Interim Solution Status Update (Short Term Capacity Addition)	Describe approval process for an SCE proposed energy storage project and options for expediting (ED and SCE).	
DG-MISC-7	Miscellaneous	1/16/2020 Interim Solution Status Update (Short Term Capacity Addition)	Confirm GNA DDOR and ASP forecasts are the same (responded during the call but can provide references if needed).	
DG-MISC-8	Miscellaneous	1/16/2020 Interim Solution Status Update (Short Term Capacity Addition)	What are Edison’s obligations related to maintaining reliability under NERC? If Alberhill would be a non-bulk electric system, which reliability criteria apply?	
DG-MISC-9	Miscellaneous	1/16/2020 Interim Solution Status Update (Short Term Capacity Addition)	Please provide the analysis regarding Resource Adequacy. In this analysis, SCE evaluated how they would use the June-September period to serve the Valley South Reliability need. What is the load shape across a series of years?	

**Attachment 1: 2020-0213\_Data Request No. 01\_Table**

DG #	Resource Areas/ Topic	SCE Data Submittal Item/Page	Data Gap Question	Response
DG-MISC-10	Miscellaneous	1/16/2020 Interim Solution Status Update (Short Term Capacity Addition)	Please explain difference between 896 MVA STELL value and the 1120 Capacity Rating. SCE PPT states "Mitigation is required to be implemented at 896 MVA and not at the ultimate substation capacity limit of 1120 MVA because if a transformer failure would occur at loads over 896MVA the remaining transformer would overloaded with respect to its short term operating limit in violation of system operating criteria." Please include in the response an explanation of the System Operating Criteria in general and how it results in a value of 896 MVA.	
DG-MISC-11	Miscellaneous	1/16/2020 Interim Solution Status Update (Short Term Capacity Addition)	Please provide the transformer usage projections (total of 600 hours per the SCE PPT) for 2020-2025 by incident, magnitude and hours of the day for all 6 years.	
DG-MISC-12	Miscellaneous	1/16/2020 Interim Solution Status Update (Short Term Capacity Addition)	Has SCE performed an economic analysis (e.g. value/risk of unserved energy) of the scenario in which all 600 hours of increased risk can be eliminated by a DER solution? If SCE has already completed this analysis, please provide the results.	
DG-MISC-13	Short term Solution	1/16/2020 Interim Solution Status Update (Short Term Capacity Addition)	Regarding the interim solutions webinar: Can you express the historic use of the temporary transformer as both a number of hours in addition to the number of total days (shape magnitude and duration)?	
DG-MISC-14	Short term Solution	1/16/2020 Interim Solution Status Update (Short Term Capacity Addition)	Regarding the interim solutions webinar: Can you express the forecasted number of hours utilized in total days, total hours, and duration of each event, rather than purely in number of hours?	
DG-MISC-15	Short term Solution	1/16/2020 Interim Solution Status Update (Short Term Capacity Addition)	Please explain the queue cluster study process or independent interconnection study process?	