DOCKETED	
Docket Number:	22-IEPR-03
Project Title:	Electricity Forecast
TN #:	246725
Document Title:	Silicon Valley Power IEPR Transmission-Related Data
Description:	City of Santa Clara dba SVP's response to Electric Transmission-Related Data Collection filing under docket 22-IEPR-03
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10/21/2022
California Energy Commission
Re: Docket 22-IEPR-03 Electric Transmission-Related Data Collection

Silicon Valley Power is a Load Serving Entity within the CAISO Balancing Authority Area operating under a Metered Sub-System Agreement. As such it relies on the CAISO's Transmission Planning Process for Bulk Electric System level planning. SVP coordinates with PG&E and the CAISO and participates in the TPP on matters at the BES level. Documents related to this planning process are located on the CAISO's website at http://www.caiso.com/planning/Pages/TransmissionPlanning/Default.aspx.

One of SVP's major concerns is managing congestion and load serving capability with the continuing load growth in the South Bay Area. These discussions continue to be held in the CAISO's 2022-23 TPP (https://stakeholdercenter.caiso.com/RecurringStakeholderProcesses/2022-2023-Transmission-planning-process) with specifics on the South Bay area provided in PG&E's presentation http://www.caiso.com/InitiativeDocuments/PG_EPresentation-2022-2023TransmissionPlanningProcess-Sep28-2022.pdf. Of great significance to SVP and customers in the Bay Area are the HVDC projects (Newark - NRS and Metcalf - San Jose) included in the ISO Board Approved 2021-2022 Transmission Plan (http://www.caiso.com/Documents/ISOBoardApproved-2021-2022TransmissionPlan.pdf).

Locally within its system and below the 100 kV threshold identified in the IEPR docket instructions, SVP also conducts its own planning process. The latest city-approved plan can be found here https://santaclaraca.legistar.com/legislation.aspx - File: 21-871

To meet the State's policy goals and support serving California loads, SVP is evaluating renewable generation resources inside and outside of California. Some of the upgrades that may have an impact on the projects SVP is considering are identified in the following table.

Deliverability Constraint	Upgrade Required	TO
East of Miguel	New Imperial Valley to Serrano 500 kV line	SDG&E
Encina - San Luis Rey	New Encina - San Luis Rey 230 kV line	SDG&E
Silvergate-Bay Boulevard	Silvergate-Bay Boulevard 230 kV series reactor	SDG&E
San Luis Rey-San Onofre	New San Luis Rey-San Onofre 230 kV line	SDG&E
Silvergate-Old Town	Silvergate-Old Town 230 kV upgrade	SDG&E
Colorado River-Red Bluff	New Colorado River-Red Bluff 500 kV line	SCE
Devers-Red Bluff	New Devers-Red Bluff 500 kV line	SCE
Serrano-Alberhill-Valley	New Devers - Mira Loma 500 kV line	SCE

SVP also notes the challenges that the known issues with the interconnection queue is posing on many CA LSE's ability to meet policy goals in a timely and economic manner. Other challenges include the uncertainty of evolution for the CAISO's Maximum Import Capability (MIC) process and its effect on the confidence of LSE's to sign long term contracts outside of the CAISO BAA.

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