

SVP Comments on the 2015-16 Transmission Planning Process
Preliminary Reliability Assessment Results

City of Santa Clara, dba Silicon Valley Power Silicon Valley Power (SVP) appreciates the opportunity to comment on the CAISO 2015-16 Transmission Planning Process (TPP). The comments below pertain to the base cases and the initial reliability assessment posted on the CAISO website.

SVP is in the process of installing a 230 kV Phase Shifting Transformer (PST) located at the SVP Switching Station (SSS) adjacent to PG&E’s Los Esteros Substation in San Jose. The PST will be electrically located in series with the SVP single 230kV interconnection circuit and in parallel with its remaining five 115kV interconnection circuits. The PST will be operated in such a manner to increase the power imported across the 230kV interconnection with PG&E. SVP has been working with both PG&E and the CAISO to coordinate its development of this project.

SVP is pleased to see that the SVP PST model has been included in 2015-16 base cases. As the PST operation will impact the power flow distribution in the South Bay area, it is important for the transmission assessment to reflect the expected operation of the PST. Upon reviewing the posted reliability base cases, the flow on the PST in each of the base cases is as follows:

Bus1	Bus2		GBA@2017@	GBA@2020@	GBA@2025@	Bulk@2017@	Bulk@2017@	Bulk@2020@	Bulk@2020@	Bulk@2020@	Bulk@2025@	Bulk@2025@	Bulk@2025@
		PSTFlow	SP	SP	SP	HS	Spr@OffPK	HS	HS@ens	Spr@Min@d	HS	Part@PK	Spr@Off@pk
30731	38901	PSTFlow	210	210	210	347.2	207.9	348.4	348.6	200.5	347.2	209.9	207.7

SVP is concerned that the PST flows in the Greater Bay Area (GBA) summer peak cases is too low. As part of the development of the PST project, PG&E prepared, with SVP input, coordinated planning studies as prescribed under its TO Tariff. Based upon such coordinated planning studies, it was determined that the PST could operate up to 350 MW during the summer peak hours. System Operating Limits (SOLs) will be established through SVP operating procedures coordinated with PG&E to maintain the power flows following the identified critical system contingencies within the capability of the NRS-Scott #1 115 kV circuit.

Therefore SVP requests that the CAISO transmission system assessments for the planning horizon reflect the PST operation at 350 MW for the summer peak period.

SVP appreciates the opportunity to comment on the CAISO 2015-16 Transmission Plan and acknowledges the significant effort of the CAISO staff and PG&E in the development of the draft plan.

If you have any questions concerning these comments, please contact

- Joyce Kinnear (408-615-6656 or jkinnear@svpower.com), or
- Albert Saenz (408-615-6613 and asaenz@svpower.com)