

Summary of Proposed Projects for SVP System Growth Strategy

	Description	Indicative Cost (\$M)	Estimated Duration (Design & Construction)
1	Re-conductor 0.2 miles, 115 kV transmission line connecting Duane and Scott Receiving Station (SRS) substations.	\$0.940-\$1.62	30 months
2	Install two additional 115/60 kV 300 MVA auto transformers at NRS (TA, TD). Upgrade NRS 115 kV and 60 kV bus to mitigate various P2 contingencies identified due to main/transfer bus design. Options include Double-Bus-Double-Breaker (DBDB), Breaker-and-A-Half (BAAH), or Ring Bus (RB) configurations. Budget to be added to existing CIP 2454.	\$39.28	36 months
3	Addition of third NRS 230/115 kV 500 MVA autotransformer and balance of plant for interconnection of new CAISO 500 MVA 230kV AC line interconnection at NRS. Budget to be added to CIP 2430.	\$7.27	-
4	Approved CIP 2431 "Homestead Substation Rebuild" will upgrade breakers and disconnects to 3000 amp rating in Q4, 2027	-	36 months
5	Re-conductor 3.54 miles of 60 kV transmission line connecting the Homestead Substation and Scott Receiving Station (SRS).	\$8.05-\$11.97	22 months
6	Re-conductor 0.62 miles of 60 kV transmission line connecting the Laurelwood Substation and Kifer Receiving Station (KRS) Substations	\$1.4-\$3.05	22 months
7	Build 5.89 miles of 60 kV transmission line to build New Loop 1 (overhead).	\$56.4-\$76.27 ¹	48 months
8	Build 6.98 miles of 60 kV transmission line to build New Loop 2 (overhead).	\$66.8-\$97.07	48 months
9	Study Var and Voltage mitigation technologies and develop implementation plan.	\$1.5	10 months
10	Study PST overloading mitigations identified in <u>Table 5-37 Contingency Analysis Thermal Violation</u> ; PG&E for short term Operation Procedures and long term mitigation solution that can include but not limited to installing a 2 PST at SSS, in addition to Transmission Access Charge (TAC) impacts.	\$0.250	10 months
Total (Range)		\$152,140,000 - \$238,280,000	

¹Approved budget for project CIP-2459 will be absorbed into newly-proposed project (Items 7)