California ISO

Transmission Competitive Solicitation Questions Log
Question / Answer Matrix
2025/2026 TPP – Phase 3

No.	Comment Submitted	ISO Response	Assigned To:
1	How the ±300 Mvar STATCOM at Lugo should be treated in the Trout Canyon–Lugo 500-kV line studies now that the line has been approved? This assumption is important, as modeling the STATCOM could significantly influence voltage performance.	The scope of the STATCOM is still under review. In addition, the STATCOM could be out of service. Therefore, it is recommended not to model the STATCOM in the analysis of the Trout Canyon-Lugo 500 kV line design. Therefore, the STATCOM should not be modeled for the line studies.	Planning
2	What qualifies as “at the end of the line” for any series capacitors and line reactors? Specifically, must those facilities be located within 100' of the interconnecting PTO substations to be considered “at the end of the line,” or would facilities located just outside the substation, such as one to two miles away, also qualify? Please also clarify the point of demarcation outside of 100' of the interconnecting PTO substations as to what scope could be assigned to the incumbent, including reactive support and series compensation?	“At end of line” means the facilities that would be located outside of each of the substation’s property lines. The series compensation facilities do not have to be located at the end of the line. The series compensation facility location and any associated reactors will be evaluated based on the site identified in project proposals. Project applicants should provide an explanation of the site chosen, including the identified site’s impact on technical design and the evaluation criteria identified in section 24.5.4 of the CAISO Tariff. As stated in Appendix I of the 2025-2026 Transmission Plan, “The costs associated with the series capacitor(s) are included within the scope of the project and are the responsibility of the approved project sponsor. The project sponsor will provide the cost of the line reactor(s) as a separate line item so if the interconnecting PTO requires installation of the line reactor in its substation, the line reactor would be removed from the scope of the project and assigned to the PTO.” The CAISO has defined the point of demarcation as within 100’ of the interconnecting substation property line.	Transmission Assets
3	Please clarify how the cost of any series capacitors and line reactors that are sited within 100’ of the interconnecting PTO substation or at “the end of the line” will be assessed and evaluated against participants who site these facilities beyond 100' of the PTO	The CAISO performs a holistic review of the complete proposed transmission solution including the location and cost of proposed series compensation facilities. The CAISO considers all the factors identified in section 24.5.4 of the CAISO tariff in its evaluation with an	Transmission Assets

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	substation fencelines, such as midpoint compensation or series reactors.	increased importance given to the factors identified as key selection factors.	
4	Can CAISO provide a single-line diagram of Sothern California Edison's Lugo Substation with the existing bus configurations and planned configurations to support integration of the Trout Canyon-Lugo 500kV line?	Please see Figure 1 below.	Transmission Assets
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Figure 1. Lugo Substation

Conceptual