California ISO
Shaping a Renewed Future

Transmission Competitive Solicitation Questions Log
Question / Answer Matrix
2023/2024 TPP – Phase 3

No.	Comment Submitted	ISO Response	Assigned To:
1	115kV Breaker Configuration Clarification: Per I.1.2, Functional Specification for New Humboldt 500 kV Substation, with 500/115 kV transformer, and a 500 kV line to Collinsville [HVDC operated as AC] Project of Appendix I requires three (3) 115kV Circuit Breakers initially, however the Figure I.1-2: Schematic Diagram of the Humboldt 500/115 kV Substation shows one (1) 115kV circuit breaker. Please clarify the 115kV circuit breaker requirement.	One 115 kV circuit breaker is required in the initial configuration.	Planning
2	The one-line diagrams of the New Humboldt 500 kV Substation Initial and Ultimate Configuration on pages I-6 and I-7 currently shows switches at the POCO locations. Will line switches be required at the POCO locations? If so, can the line switches be located within the substation?	Line switches will be required at the POCO locations. Line switch locations can be located within the substation upon mutual agreement between interconnecting parties	Transmission Assets
3	The functional specifications do not identify the specific required 500kV protection schemes or protective relaying design criteria to be used on the 500kV system. Please provide additional details.	500KV protective relaying standards shall comply with TPL-001-8 single point of failure design requirements including, but not limited to, separate communication paths and DC systems. The designs shall meet the recommendations of the WECC Relay Work Group "EHV Transmission Line Protection White Paper" published December 9, 2021 . White Paper on EHV Transmission Line Protection 2020 format XC DS R1 (wecc.org)	Transmission Assets
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