Driving Factors:
• During heavy north bound flow at SO, P7 N-2 Contingency will cause overload on TL13810A (Friars – Doublet Tap) by 52% in 2022 and TL13827 (Mission-Friars) by 28%.

Scope:
• To eliminate the credible N-2 contingency, this project proposes to swap TL23013 with TL6959 so that TL23013 & TL23071 will not share the same Structures (TL23071 sharing structures with TL6959 and TL23013 sharing structures with TL13810). This proposal will require to upgrade 2 miles of 138kV structures for 230kV operation.

Cost:
• $19 Million (ISD 2026)

Benefits:
Improves reliability and provide cost savings – reliability and economic-driven project.

Alternatives:
Reconductor TL 13810 ($ 64M)
Convert a portion of overhead line of TL23071 to UG ($ 100M)
Drivers:
- Category NERC P1 Violation, Loss of TL23071 (SX-PQ) overloads TL23026 (SG-BB), 103%
- Economic and policy-driven project

Scope:
- Add a second 230 kV line from Bay Blvd to Silvergate to eliminate P1 overload
- Swap TL23013 & TL6959 to eliminate a credible N-2 contingency and enhance economic benefit from new Bay Blvd-Silvergate 230kV line.

Benefits:
- Reinforce Southern 230kV loop
- Improve system reliability
- Increase operational flexibility
- Provide economic benefit
- Increase deliverability of renewable resources

Cost:
- $170M