



2009 CAISO Transmission Plan for San Diego Gas & Electric (SDG&E) Service Area

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2009 CAISO Transmission Plan Stakeholder Meeting

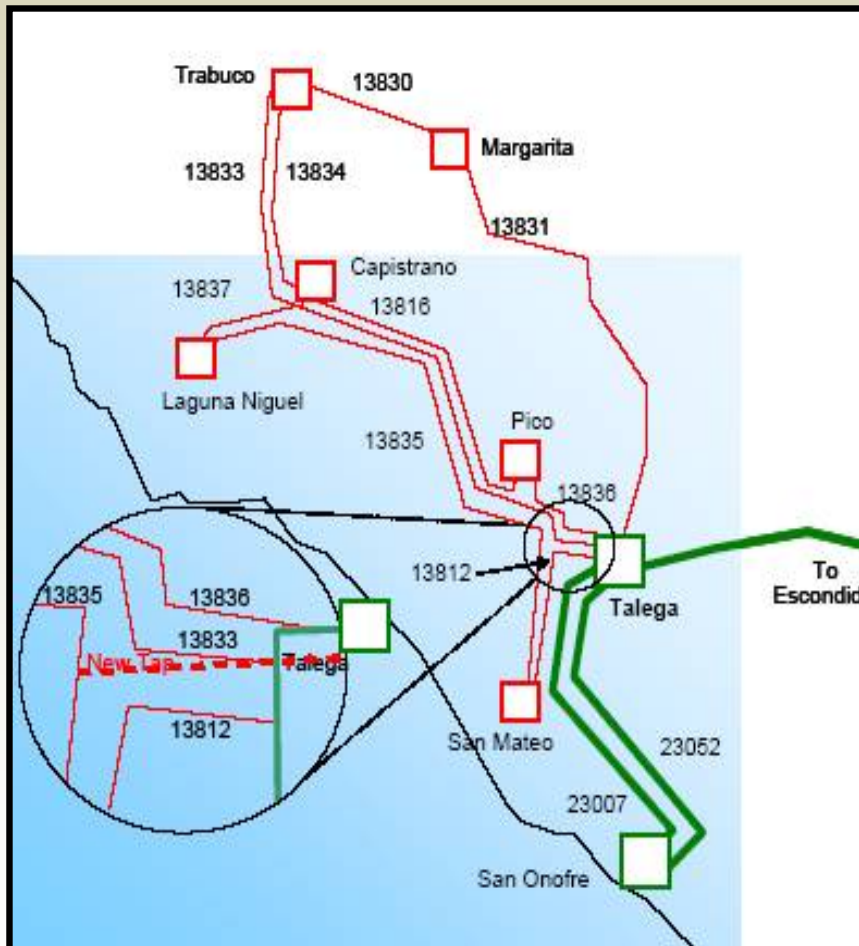
February 27, 2009

Overview of 2008 Request Window

- A total of 8 projects were submitted through the Request Window
- 7 projects were submitted by SDG&E, 1 by Third Party
- CAISO Staff recommends ISO Management approval of 1 project
- CAISO Staff recommends ISO Management denial of 1 project
- CAISO Staff recommends further review on the remaining 6 projects

Projects Recommended for CAISO Management Approval

(1) New 138 Tap: TL13835 San Mateo-Laguna Niguel



Project Proponent

- SDG&E

Needs

- NERC Category B overloads
- Talega-San Mateo overloads for Capistrano-Laguna Niguel outage and visa versa

Project Scope

- Create a new 138kV tap on TL13835 serving Laguna Niguel and San Mateo areas

Other Considered Alternatives

- Reconductor Talega-San Mateo and Capistrano-Laguna Niguel (proposed tap will save approximately \$18M)

Costs

- \$7.8M

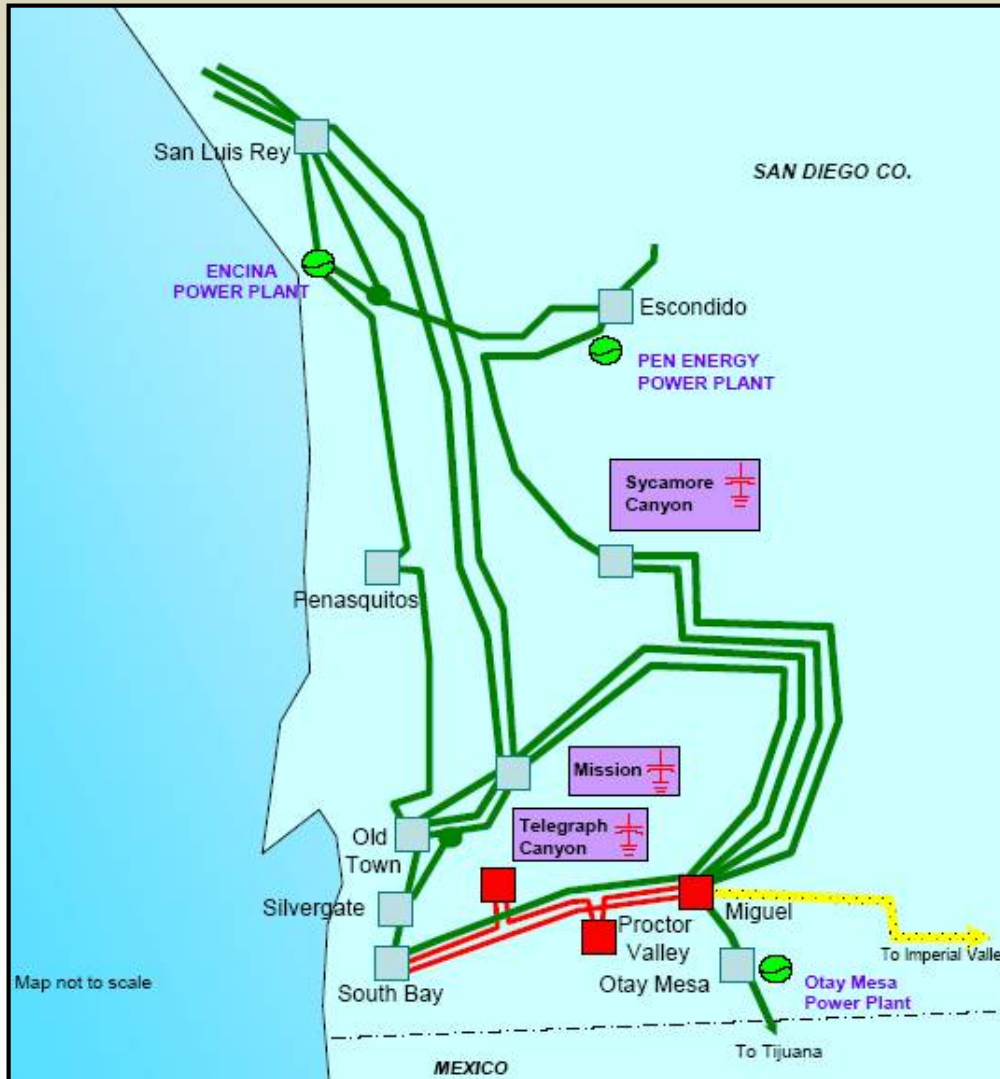
Expected In-Service

- October 2009

Recommended Action: Approval by CAISO Management

Project denied

(1) New 230 & 138 kV Capacitors: Mission, Telegraph Canyon, Sycamore Substations



Project Proponent

- SDG&E

Needs

- Insufficient reactive margin for SWPL outage

Project Scope

- Install a total of 192 MVAR of capacitors at three substations: 1x63 MVAR at Mission 230 kV, 1x43 MVAR Telegraph Canyon 138 kV, 2x43 MVAR Sycamore Canyon 138 kV

Cost

- \$10.1M

Expected In-Service

- June 2010

Recommended Action

- The CAISO studies did not show insufficient reactive margin for this outage. At this time, the project cannot be recommended to be approved.

Projects Requiring Further Evaluation

- Orange County Transmission Expansion
- Bayfront Transmission Substation
- New ECO 500/230/69kV Substation & New 69kV Transmission Line to Boulevard Substation
- East Gate Tap 69 kV Project
- Barrett Interim Solution
- Addition of 3rd 500/230 kV Transformer bank at Imperial Valley