



CALIFORNIA ISO

2005 ISO Transmission Plan & Planning Process

Operations Committee Meeting

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Director - Regional Transmission North



2005 CAISO Transmission Plan

- Initial step towards a single, consolidated CAISO Controlled Grid Transmission Plan
- Primary Focus
 - Reliability
 - Reduce real-time congestion and Reliability Must Run/Locational Capacity Requirement costs
- Identify “low hanging fruit” projects
- Target benefits
 - Increase transmission capacity up to 700 MW
 - Achieve a minimum CAISO ratepayer savings of \$26-\$30 million per year



New Transmission Planning Process

CAISO Objectives

- Clarify the CAISO's role and build on our core strengths of reliability, planning, and system operation
- Align our focus and core strengths with those of the CEC and CPUC towards a common objective of a coordinated planning process
- Focus on proactively supporting and building on CEC and CPUC objectives
 - CEC IEPR recommendations
 - CPUC Resource Adequacy through leadership in Deliverability and Locational Capacity determinations
- Rely on continued partnership with the PTOs in planning
- Forge consensus on a proactive role for the “non-CAISO” transmission owners in CAISO transmission plan
- Facilitate a statewide regional planning effort and develop a statewide strategic transmission plan



CAISO Transmission Plan

Elements of the Plan

- Annually develop a Statewide transmission plan with near-term and long-term projects based on congestion and the CAISO reliability criteria
- Facilitate a regional planning effort across the State
 - Integrate STEP and NTAC variables
- Focus on the 500kV and 230kV systems for reliability
- Focus on all voltages for congestion
- 1 to 15 year time frame
- Prepare RMR/LCR requirements over a 5-year time frame
- Perform baseline deliverability analysis

Jefferson – Martin

230kV
Transmission
Project

