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Congestion Study
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California Transmission Planning Group (CTPG)

- CTPG is a voluntary organization comprised of all the entities within California responsible for transmission planning:
 - California Independent System Operator (ISO)
 - Imperial Irrigation District (IID)
 - Los Angeles Department of Water and Power (LADWP)
 - Pacific Gas and Electric (PG&E)
 - Southern California Edison (SCE)
 - Southern California Public Power Authority (SCPPA)
 - San Diego Gas and Electric (SDG&E)
 - Sacramento Municipal Utility District (SMUD)
 - Transmission Agency of Northern California (TANC)
 - Turlock Irrigation District (TID)
 - Western Area Power Administration (Western)
- CTPG's role is to coordinate transmission planning studies and produce a statewide transmission plan in support of 33% RPS
 - CTPG does not have project approval authority
- CTPG study process is open and transparent:
 - Assumptions, methods, and results are documented and publicly available (<http://www.ctpg.us/public/index.php>)



2010 CTPG Statewide Transmission Plan

High and Medium Potential Transmission Upgrades and Corridors





California Oregon Intertie – Path 66 Update

- In 2010 and 2011 Pacific Intertie owners undertook a joint study to explore opportunities to:
 - Increase utilization of the existing AC Pacific Intertie
 - Expand the intertie by up to 2,000 MW using existing corridors.
- Key Findings:
 - There is not space on the existing intertie to support firm delivery of new renewable PPA energy to California
 - The cost of a brown field expansion of the Intertie from Mid C to the greater S.F. Bay Area (approx. 700 miles) is \$4 billion +
 - There does not appear to be sufficient commercial interest at this time to justify significant expansion of the Intertie
- The California Oregon Intertie Utilization Report and the PNW-CA feasibility report can be found in the General Information folder at:
<http://www.oatioasis.com/wasn/index.html>.



Central California Transmission Study – Path 15 Update

