



**CALIFORNIA ISO**

California Independent  
System Operator

# **Review of Preliminary ISO Summer 2006 Loads and Resources Outlook**

**Operations Committee Meeting  
October 18-19, 2005**

**Presented by  
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Transmission Assets**



## Summer 2005 Review

	Forecast	Actual
<b>ISO Control Area Peak Demand</b>	<b>46,668 MW</b>	<b>45,431 MW*</b>
<b>SP26 Peak Demand</b>	<b>27,080 MW</b>	<b>26,566 MW*</b>
<b>SP26 Average Temperatures</b>	<b>102.1 °F</b>	<b>95.9 °F</b>

**\* - New CAISO All-time Peak**



## Summer 2005 Review

- Weather conditions were mild during 2005 peak load conditions
- Magnitude and frequency of congestion in SP26 significantly less than recent past due to transmission system upgrades (i.e. Path 26, Miguel-Mission, S. of Lugo)
- Experienced low voltages in Devers area on July 21 requiring local area load curtailments (A/C cycling)
- Above average hydro conditions in California
- Comparison of actual system conditions to ISO 2005 forecast indicate the forecast was accurate



## Summer 2006 Outlook Generation Addition & Retirements

SP26 Dependable Generation Additions	≈ 2,000 MW
SP26 Known Retirements	<u>1,580 MW</u>
Net SP26 Generation Increase	420 MW

NP26 Dependable Generation Additions	≈ 420 MW
NP26 Known Retirements	<u>215 MW</u>
Net NP26 Generation Increase	205 MW

Net control area generation additions over the next year will not keep pace with anticipated load growth.



## Summer 2006 Outlook

- ISO has not completed detailed assessment for summer 2006 season, a more comprehensive assessment will be available at the end of November
- Assessment's representation based upon physically installed capacity and estimate of import capability; does not reflect in-state/out-of-state contractual arrangements
- Reserve margins for Southern California in 2006 are very slim. Net generation additions less than load growth, however, import capability will increase.
- ISO will work with the CEC in preparing our detailed Summer 2006 Assessment



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# Questions?