

# Local Capacity Requirements (LCR) for Year 2009

## Summary of Findings

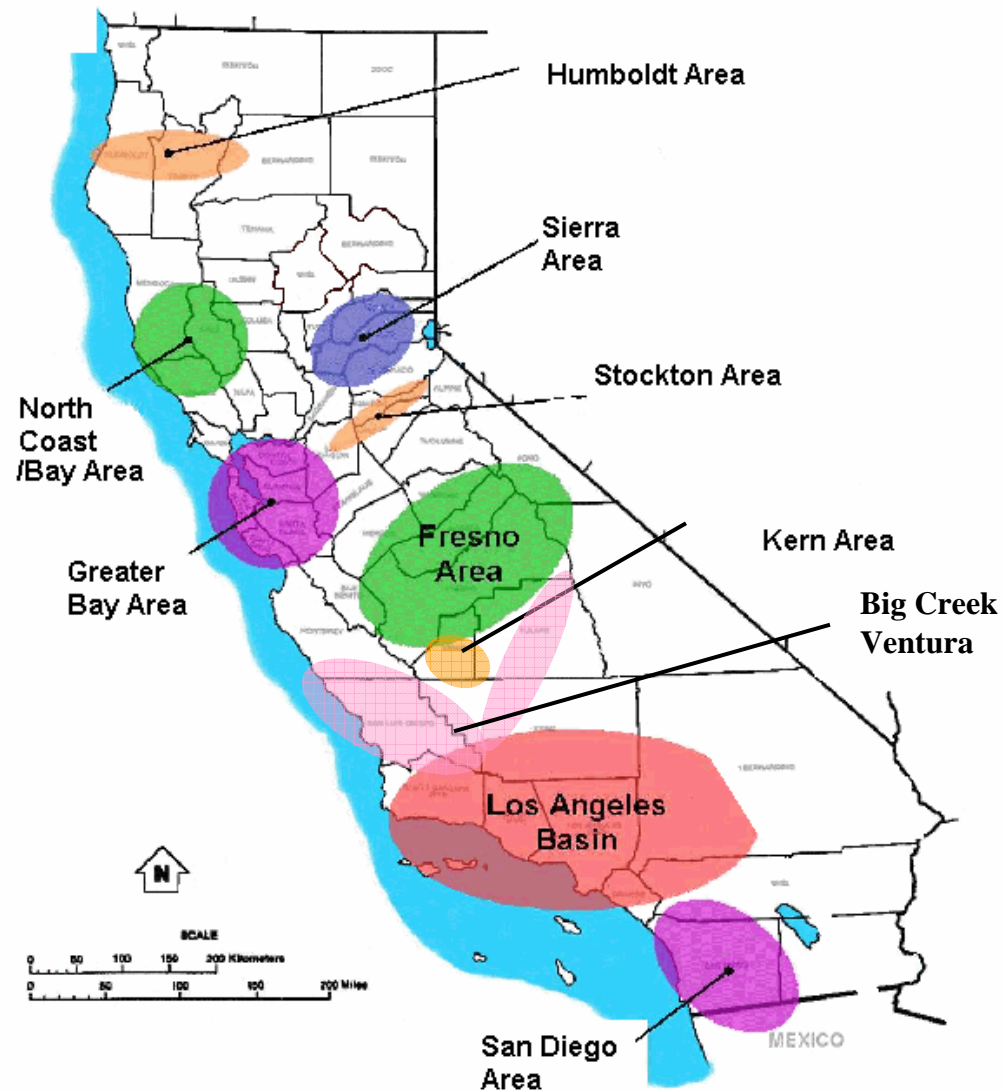


LCR Stakeholder Meeting, March 4<sup>th</sup>, 2008, Folsom CA



Catalin Micsa  
Senior Regional Transmission Engineer  
Department of Planning and Infrastructure Development  
California Independent System Operator (CAISO)

# LCR Areas within CAISO



# Input Assumptions, Methodology and Criteria

The 2009 LCR Study results are based upon study assumptions, methodology and criteria previously developed through stakeholder meetings as well as LCR Study Advisory Group (LSAG). The latest information allong with the 2009 LCR Manual can be found at: <http://www.caiso.com/18a3/18a3d40d1d990.html>).

**Transmission system configuration – all-projects with EDRO up to June 1, 2009**

**Generation – all-generation with COD up to June 1, 2009**

**Load Forecast – 1 in 10 local area peak (based on latest CEC forecast)**

**Criteria – see report for details**

## **Methodology**

1. Maximize Imports Capability into the local area
2. Maintain path flows
3. Maintain deliverability for deliverable units
4. Load pocket – fix definition
5. Performance levels B & C (if equal category B is most stringent)

# Major Changes from last year studies

1. **Updated NQC data.**
2. **Humboldt Area requirement** is decreasing mainly because of the Humboldt Bay Repower.
3. **Sierra, Stockton, Kern and Big Creek Ventura Areas Requirements** are decreasing mainly because of new transmission additions.
4. **North Coast/North Bay, Fresno and San Diego Areas Requirements** are increasing mainly because of load growth.
5. **Bay Area and LA Basin Areas Requirements** are slightly increasing because of a combination of new transmission projects and load growth.

# Sub-area requirements

**The purpose of this report is to provide detailed local procurement information. As in the past there is no CPUC enforcement of sub-area requirements. However in order to minimize CAISO back-stop procurement role, each local area's overall requirement has to be procured in a fashion that satisfies all of the sub-area requirements as well.**








## **The role of sub-area requirements:**

Because each individual sub-area is a part of the interconnected electric system, the total for each local area is not simply a summation of the sub-area requirements (i.e., the sum of the parts does not necessarily equal the sum of the whole). For example, some sub-areas may overlap and therefore the same units can be counted toward both sub-area requirements. Of course some sub-areas requirements are directly counted toward the total requirements of a bigger local sub-area or the overall area. Other times the area has an overall requirement that exceeds the sum of the sub-area requirements. Each area is unique and detail analysis is provided in the report and each area's presentation.

# Total 2009 Draft LCR Needs

	Qualifying Capacity			2009 LCR Need Based on Category B			2009 LCR Need Based on Category C with operating procedure		
Local Area Name	QF/ Muni (MW)	Market (MW)	Total (MW)	Existing Capacity Needed	Deficiency	Total (MW)	Existing Capacity Needed	Deficiency	Total (MW)
Humboldt	45	166	211	141	0	<b>141</b>	152	3	<b>155</b>
North Coast / North Bay	262	621	883	570	0	<b>570</b>	839	0	<b>839</b>
Sierra	1012	768	1780	1159	18	<b>1177</b>	1617	278	<b>1895</b>
Stockton	272	265	541	491	34	<b>525</b>	541	185	<b>726</b>
Greater Bay	1116	5215	6331	4791	0	<b>4791</b>	4791	0	<b>4791</b>
Greater Fresno	496	2636	3132	2414	0	<b>2414</b>	2680	12	<b>2692</b>
Kern	615	31	646	208	0	<b>208</b>	421	3	<b>424</b>
LA Basin	3545	8737	12282	10225	0	<b>10225</b>	10225	0	<b>10225</b>
Big Creek/ Ventura	1463	3981	5444	2958	0	<b>2958</b>	3116	0	<b>3116</b>
San Diego	201	3411	3612	3113	261	<b>3376</b>	3113	340	<b>3453</b>
<b>Total</b>	9027	25831	34862	26070	313	26385	27495	821	28316

# Schedule

- 2009 CAISO LCR study criteria, methodology and assumptions stakeholder meeting October 11, 2007- comments by the 25<sup>th</sup> 
- Post comments with CAISO response and LCR Manual Dec. 21, 2007 
- Base case development December 2007 
- Receive base cases from PTOs January 1, 2008 
- Publish base cases January 15, 2008 – comments by the 22<sup>nd</sup> 
- Draft study completed by March 1, 2008 
- CAISO Stakeholder meeting March 4, 2008 – comments by the 18<sup>nd</sup> 
- CAISO receives new operating procedures March 18, 2008
- Review and validate op. proc. – publish draft final report April 3, 2008
- CAISO Stakeholder meeting April 10, 2008 – comments by the 20<sup>th</sup>
- Final 2009 LCR Report May 1, 2008
- Receive CEC load forecast June 30, 2008
- CAISO to release LCR allocations July 15, 2008

# Stakeholder Comments



**Your comments and questions are welcome**

For written comments, please send to: [RegionalTransmission@caiso.com](mailto:RegionalTransmission@caiso.com)