



California ISO
Your Link to Power

10 Year
Anniversary 1998–2008

2010 LCR Study Summary of Draft Findings

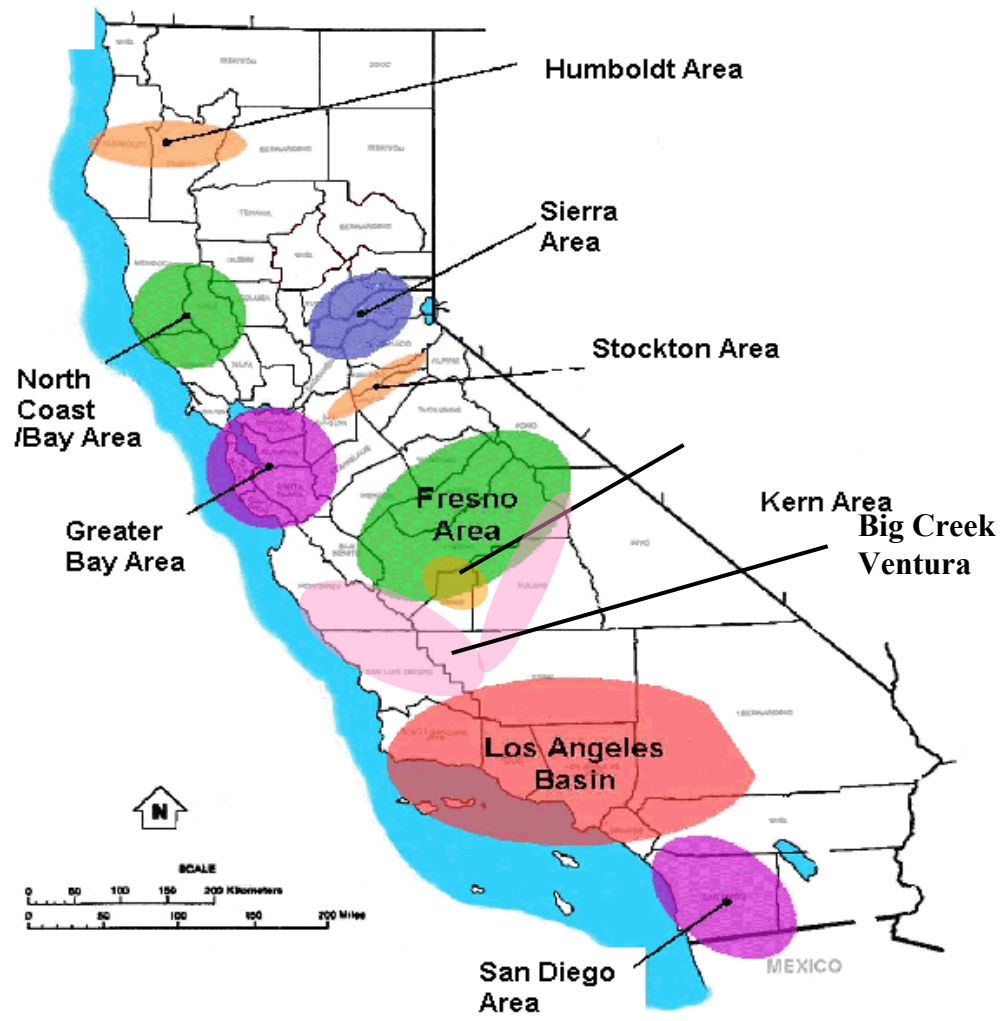
Catalin Micsa

Senior Regional Transmission Engineer

Stakeholder Meeting

March 10, 2009

LCR Areas within CAISO



Input Assumptions, Methodology and Criteria

See November 3, 2008 stakeholder meeting - for study assumptions, methodology and criteria. The latest information along with the 2010 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. **Same NQC data.**
2. **Total LCR needs have slightly increase by $< 1\%$.**
3. **LA Basin LCR needs** are steady.
4. **Sierra, Stockton, Bay Area, Fresno and Kern LCR needs** are decreasing mainly because of load decrease and/or transmission additions.
5. **North Coast/North Bay, Big Creek/Ventura and San Diego LCR needs** are increasing mainly because of load growth.
6. **Humboldt LCR needs** are increasing mainly because of new generation.

Role and Purpose of sub-area LCR needs:









- Provide detail local procurement information
- Need to be satisfied in order to minimize CAISO back-stop
- Sum of the parts may not equal the overall need

Total 2010 Draft LCR Needs

	Qualifying Capacity			2010 LCR Need Based on Category B			2010 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	48	166	214	138	0	138	169	27	196
North Coast / North Bay	216	669	885	857	0	857	857	3	860
Sierra	1016	769	1785	1405	115	1520	1667	396	2063
Stockton	279	266	545	357	0	357	432	249	681
Greater Bay	1111	5662	6773	4664	0	4664	4664	0	4664
Greater Fresno	510	2459	2969	2520	0	2520	2640	0	2640
Kern	646	31	677	187	0	187	401	3	404
LA Basin	3942	8259	12201	9735	0	9735	9735	0	9735
Big Creek/ Ventura	931	4229	5160	3451	0	3451	3596	0	3596
San Diego	205	3415	3620	3188	0	3188	3188	36	3224
Total	8904	25925	34829	26502	115	26617	27349	714	28063

2010 LCR Study Schedule

CPUC and the ISO have determined overall timeline

- Criteria, methodology and assumptions stakeholder meeting Nov. 3, 2008 
- Submit comments by November 21, 2008 
- Posting of comments with ISO response by the December 19, 2008 
- Base case development will start in December 2008 
- Receive base cases from PTOs January 1, 2009 
- Publish base cases January 15, 2009 – comments by the 22nd 
- Draft study completed by March 2, 2009 
- ISO Stakeholder meeting March 10, 2009 
- ISO receives new operating procedures March 24, 2009
- Review and validate op. proc. – publish draft final report April 7, 2009
- ISO Stakeholder meeting April 14, 2009 – comments by the 21th
- Final report May 1, 2009

Stakeholder Comments



Your comments and questions are welcome

For written comments, please send to: RegionalTransmission@caiso.com