



California ISO
Your Link to Power

10 Year
Anniversary 1998-2008

2010 LCR Study Summary of Final Findings

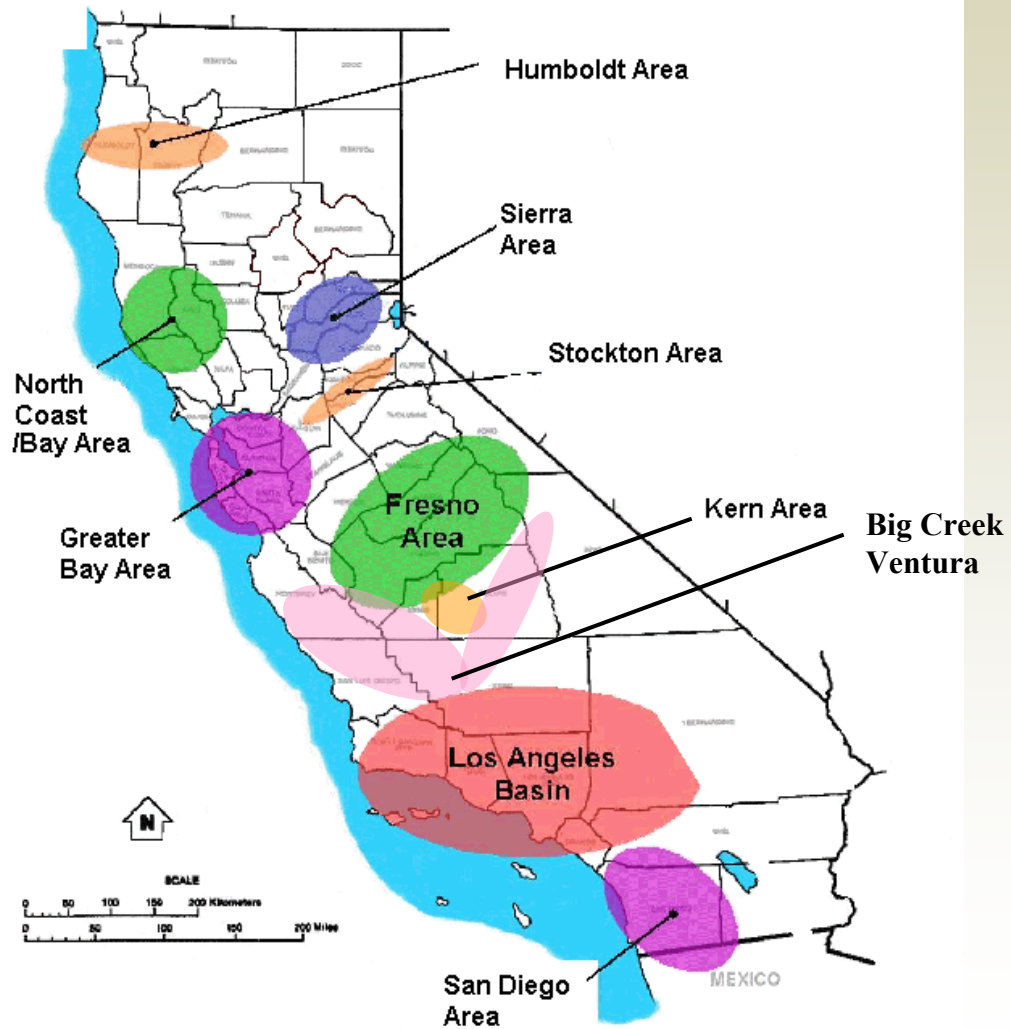
Catalin Micsa

Senior Regional Transmission Engineer

Stakeholder Meeting

April 14, 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. **Updated NQC data.**
2. **Total LCR needs have slightly increase by $< 1\%$.**
3. **LA Basin LCR needs** are steady.
4. **Sierra, Stockton, Fresno and Kern LCR needs** are decreasing mainly because of load decrease and/or transmission additions.
5. **Humboldt, Big Creek/Ventura and San Diego LCR needs** are increasing mainly because of load growth.
6. **North Cost/North Bay LCR needs** are decreasing and **Bay Area LCR needs** are increasing mainly because of increase LCR need in the Pittsburg/Oakland sub-area.

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 Final 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	135	183	179	0	179	179	0	179
North Coast / North Bay	149	736	885	700	0	700	700	3	703
Sierra	1066	769	1835	1133	102	1235	1717	385	2102
Stockton	229	266	495	357	0	357	432	249	681
Greater Bay	1096	5608	6704	4224	0	4224	5051	0	5051
Greater Fresno	502	2439	2941	2310	0	2310	2640	0	2640
Kern	656	9	665	187	0	187	403	1	404
LA Basin	3918	8212	12130	9735	0	9735	9735	0	9735
Big Creek/ Ventura	947	4146	5093	3212	0	3212	3334	0	3334
San Diego	205	3490	3695	3242	0	3242	3242	36	3278
Total	8816	25810	34626	25279	102	25381	27433	674	28107

LSE self-guided – draft local allocation

1. **Recall your last year LCR allocation**
2. **Open the main report on page 2** (Tables for year 2010 and 2009)
3. **Make the yearly Totals for every TAC where you have load** (column three from the back – Existing capacity needed under Category C)
4. **Humboldt, North Coast/North Bay, Sierra, Stockton, Fresno, Kern and Bay Area** are in PG&E TAC; **Big Creek/Ventura and LA Basin** are in SCE TAC; **San Diego** has it's own TAC
5. **Divide the new Total TAC LCR need to last year's Total TAC LCR need then multiply with your 2009 LCR allocation**
6. **This is your new draft local allocation**
7. **CAISO to send the final allocation (middle of July) based on the new CEC forecast (to be released - June 30)**

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 

2010 ISO Procurement Schedule

Per ISO Tariff and BPM - overall timeline

- Final LCR Report May 1, 2009
- LSE self-guided local allocation (see slide 6); first week in May, 2009
- Receive new CEC coincident load forecast June 30, 2009
- ISO or CPUC to send out final local allocation; middle of July, 2009
- LSEs to submit preliminary showings; middle of September 2009
- ISO to decide on retaining units under RMR by October 1, 2009
- Final LSE showings **TBD – No later than first week of October, 2009**
- ISO to send a market notice out stating deficiencies in procurement – **No later than November 2, 2009**
- ISO receives additional showing – **No later than December 2, 2009**
- ISO to enter back-stop procurement for local reasons (if needed)

Your comments and questions are welcome.

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