



2011 Final LCR Study Results Summary of Findings

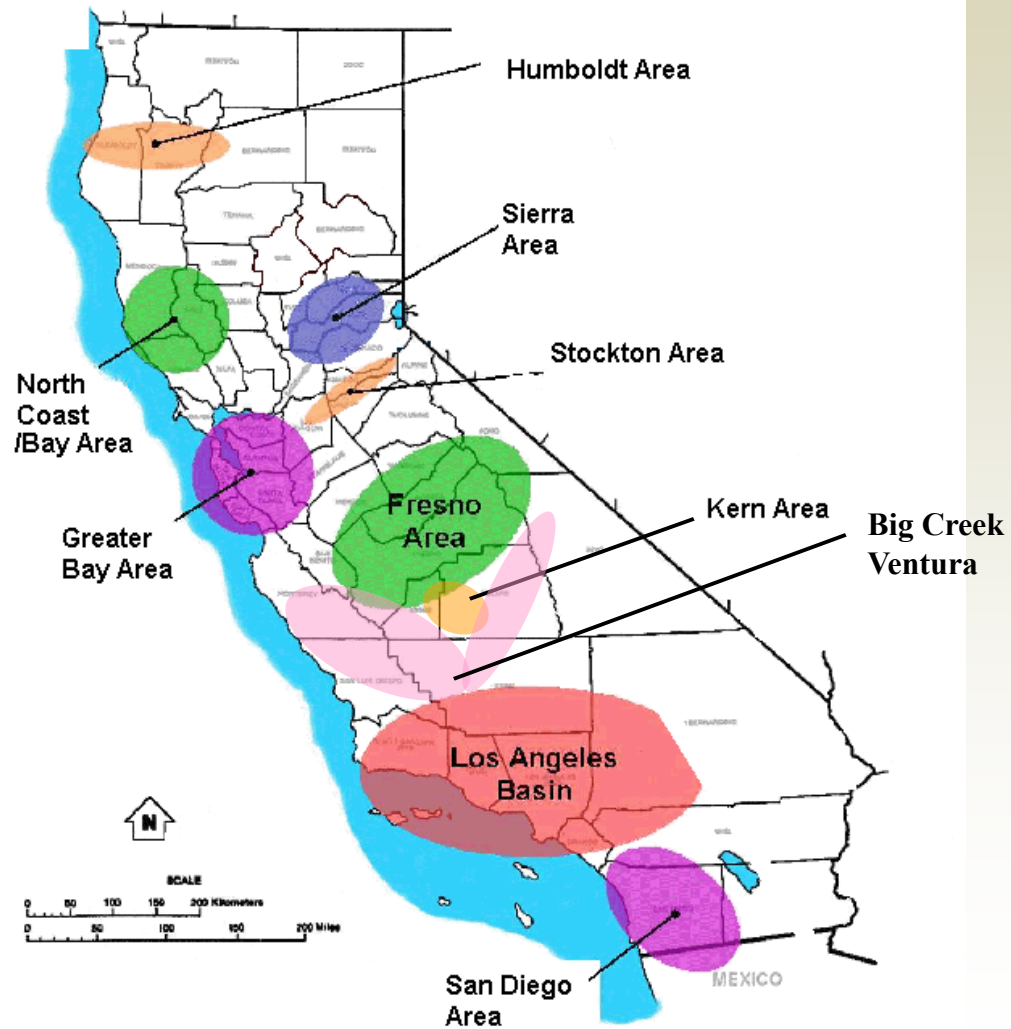
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Senior Regional Transmission Engineer

Stakeholder Meeting

April 15, 2010

LCR Areas within CAISO



Input Assumptions, Methodology and Criteria

See November 24, 2009 stakeholder meeting - for study assumptions, methodology and criteria. The latest information along with the 2011 LCR Manual can be found at: <http://www.caiso.com/2488/2488bcca65490.pdf>.

Transmission system configuration – all-projects with EDRO up to June 1, 2011

Generation – all-generation with COD up to June 1, 2011

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. **Most up to date NQC data.**
2. **Total LCR needs have slightly increase by $< 1\%$, however resource need is about the same (19 MW higher).**
3. **Stockton LCR needs** are steady.
4. **North Cost/North Bay, Sierra, Fresno, Big Creek/Ventura and San Diego LCR needs** are decreasing mainly because of load decrease.
5. **LCR needs** increase in: **Humboldt** due to the new power plant, **Greater Bay** due to the Potrero power plant retirement, **Kern** due to load growth and **LA Basin** due to load growth and new transmission configuration.

Role and Purpose of sub-area LCR needs:

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

Total 2011 Final LCR Needs

	Qualifying Capacity			2011 LCR Need Based on Category B			2011 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	57	166	223	157	6	163	188	17	205
North Coast / North Bay	133	728	861	734	0	734	734	0	734
Sierra	1057	759	1816	1330	313	1643	1510	572	2082
Stockton	267	259	526	374	0	374	459	223	682
Greater Bay	1210	5296	6506	4036	0	4036	4804	74	4878
Greater Fresno	485	2434	2919	2200	0	2200	2444	4	2448
Kern	699	9	708	243	0	243	434	13	447
LA Basin	4206	8103	12309	10589	0	10589	10589	0	10589
Big Creek/ Ventura	1196	4110	5306	2786	0	2786	2786	0	2786
San Diego	194	3227	3421	3146	0	3146	3146	61	3207
Total	9504	25091	34595	25595	319	25914	27094	964	28058

2011 LCR Study Schedule

CPUC and the ISO have determined overall timeline

- Criteria, methodology and assumptions meeting Nov. 24, 2009
- Submit comments by December 8, 2009
- Posting of comments with ISO response by the December 18, 2009
- Base case development will start in December 2009
- Receive base cases from PTOs January 1, 2010
- Publish base cases January 15, 2010 – comments by the 22nd
- Draft study completed by March 2, 2010
- ISO Stakeholder meeting March 10, 2010
- ISO receives new operating procedures March 24, 2010
- Review and validate op. proc. – publish draft final report April 8, 2010
- ISO Stakeholder meeting April 15, 2010 – comments by the 22nd
- Final report May 1, 2010



2011 ISO Procurement Schedule

Per ISO Tariff and BPM - overall timeline

- Final LCR Report May 1, 2010
- LSE self-guided local allocation; first week in May, 2010
- Receive new CEC coincident load forecast June 30, 2010
- ISO or CPUC to send out final local allocation; middle of July, 2010
- LSEs to submit preliminary showings; middle of September 2010
- ISO to decide on retaining units under RMR by October 1, 2010
- Final LSE showings **TBD – No later than first week of October, 2010**
- ISO to send a market notice out stating deficiencies in procurement – **No later than November 2, 2010**
- ISO receives additional showing – **No later than December 2, 2010**
- 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