



California ISO
Shaping a Renewed Future

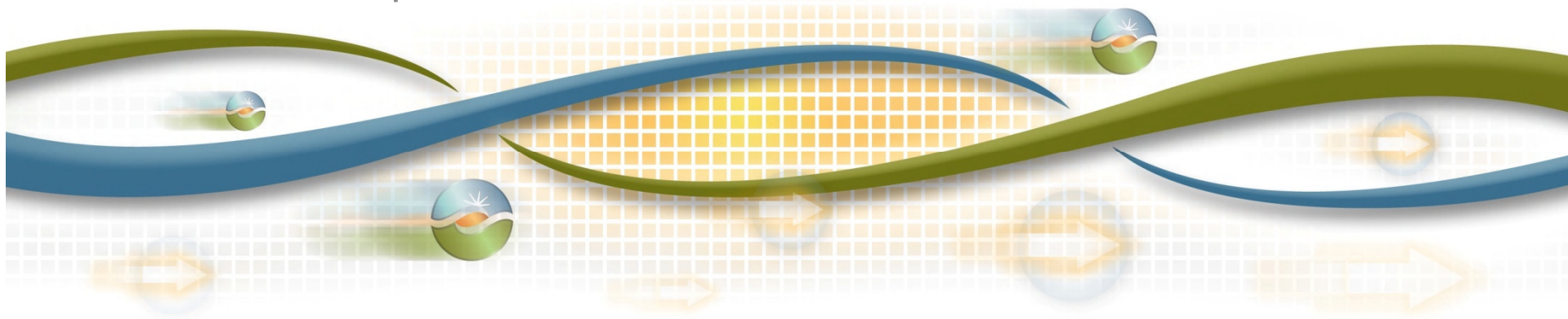
2012 Final LCR Study Results Summary of Findings

Catalin Micsa

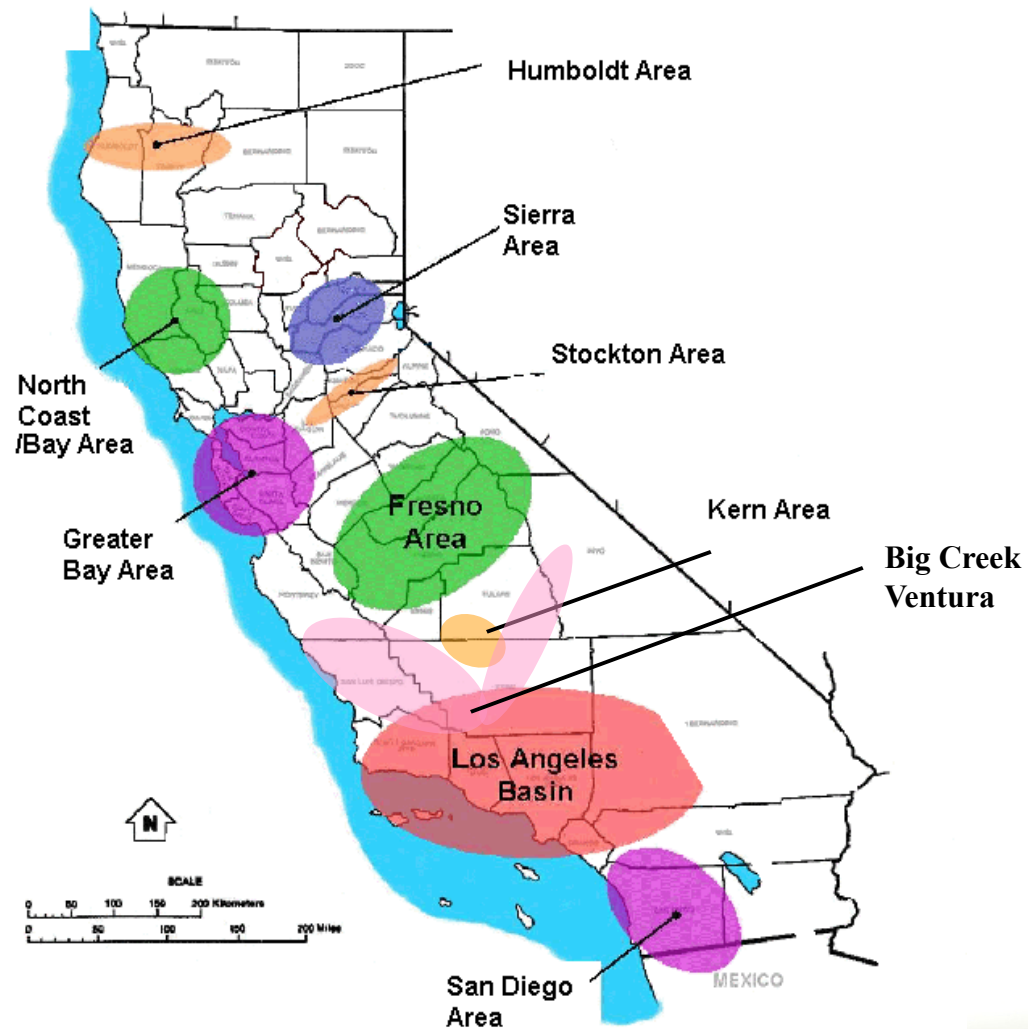
Lead Regional Transmission Engineer

Stakeholder Meeting

April 14, 2011



LCR Areas within CAISO



Input Assumptions, Methodology and Criteria

See November 10, 2010 stakeholder meeting - for study assumptions, methodology and criteria. The latest information along with the 2012 LCR Manual can be found at: <http://www.caiso.com/18a3/18a3d40d1d990.html>.

Transmission system configuration – all-projects with EDRO up to June 1, 2012

Generation – all-generation with COD up to June 1, 2012

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 decreased by 1200 MW or about 5%.**
3. **Sierra, Stockton, Fresno, Kern and San Diego LCR needs** decrease due to new transmission projects and decrease in load forecast.
4. **North Cost/North Bay and Greater Bay LCR needs** are decreasing mainly because of load decrease.
5. **LCR needs** increase in: **Humboldt** due to load growth; **Big Creek Ventura and LA Basin** due to load growth as well as load allocation change (conform with the new CEC forecast).

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 2012 Final LCR Needs

	Qualifying Capacity			2012 LCR Need Based on Category B			2012 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	54	168	222	159	0	159	190	22	212
North Coast / North Bay	131	728	859	613	0	613	613	0	613
Sierra	1277	760	2037	1489	36	1525	1685	289	1974
Stockton	246	259	505	145	0	145	389	178	567
Greater Bay	1312	5276	6588	3647	0	3647	4278	0	4278
Greater Fresno	356	2414	2770	1873	0	1873	1899	8	1907
Kern	602	9	611	180	0	180	297	28	325
LA Basin	4029	8054	12083	10865	0	10865	10865	0	10865
Big Creek/ Ventura	1191	4041	5232	3093	0	3093	3093	0	3093
San Diego	162	2925	3087	2849	0	2849	2849	95	2944
Total	9360	24634	33994	24913	36	24949	26158	620	26778

2012 LCR Study Schedule

CPUC and the ISO have determined overall timeline

- Criteria, methodology and assumptions meeting Nov. 10, 2010
- Submit comments by November 24, 2010
- Posting of comments with ISO response by the December 6, 2010
- Base case development will start in December 2010
- Receive base cases from PTOs January 3, 2011
- Publish base cases January 14, 2010 – comments by the 28th
- Draft study completed by March 2, 2011
- ISO Stakeholder meeting March 9, 2011
- ISO receives new operating procedures March 23, 2011
- Review and validate op. proc. – publish draft final report April 6, 2011
- ISO Stakeholder meeting April 14, 2011 – comments by the 21nd
- Final report May 2, 2011



2011 ISO Procurement Schedule

Per ISO Tariff and BPM - overall timeline

- Final LCR Report May 2, 2011
- LSE self-guided local allocation; first week in May, 2011
- Receive new CEC coincident load forecast June 30, 2011
- ISO or CPUC to send out final local allocation; middle of July, 2011
- If Oakland under contract; LSEs to submit showings by 9/16/2011
- ISO to decide on retaining units under RMR by October 1, 2011
- Final LSE showings TBD – Usually last week of October, 2011
- ISO to send a market notice out stating deficiencies in procurement – about 3 weeks after final showing - about November 22, 2011
- ISO receives additional showing (30 days after market notice)
- 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