



2025 & 29 Final LCR Study Results Summary of Findings

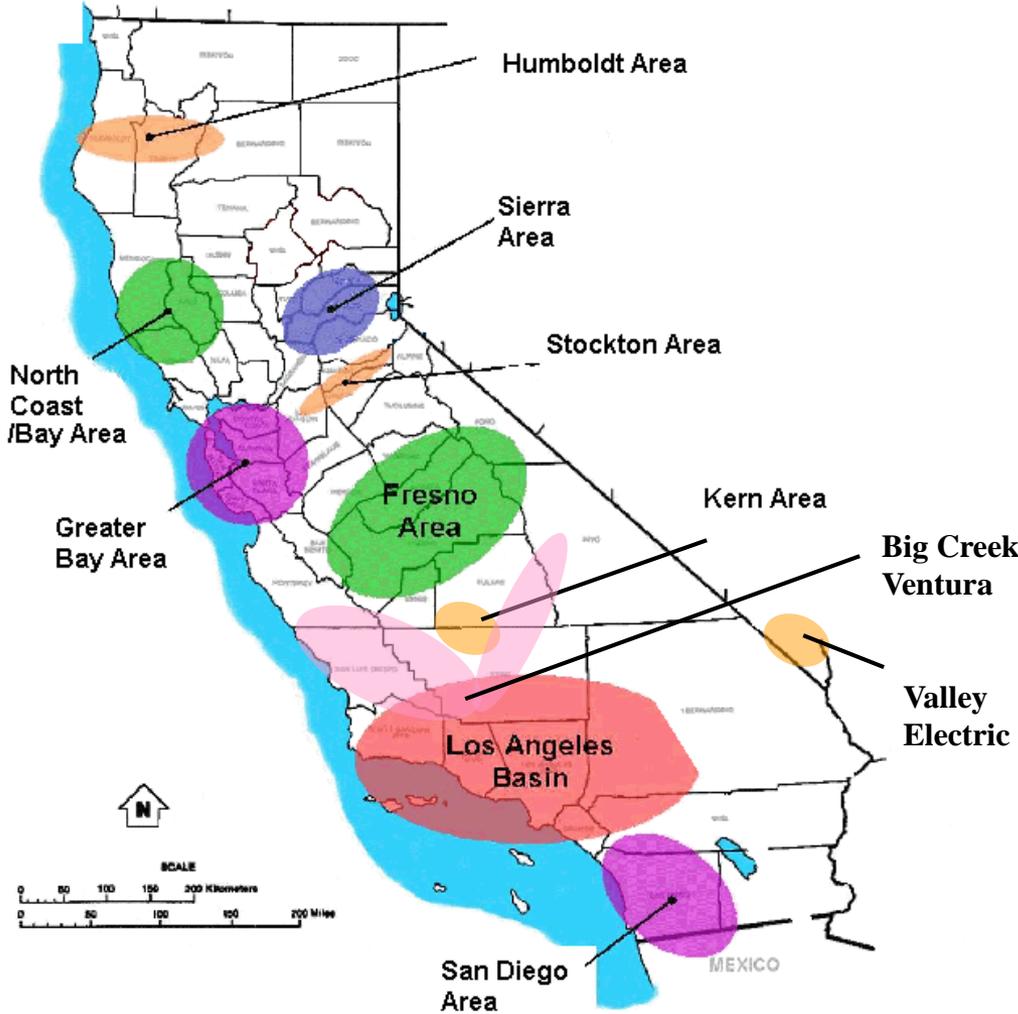
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Stakeholder Call

April 11, 2024

LCR Areas within CAISO



Input Assumptions, Methodology and Criteria

See October 30, 2023 stakeholder teleconference - for study assumptions, methodology and criteria. The latest information along with the 2025 LCR Manual can be found at:

<https://stakeholdercenter.caiso.com/RecurringStakeholderProcesses/Local-capacity-requirements-process-2025> .

Transmission system configuration – all-projects with EDRO up to June 1, 2025

Generation – all-generation with COD up to June 1, 2025

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

Criteria – most stringent of all mandatory standards (NERC, WECC, ISO)

Methodology

1. Maximize Imports Capability into the local area
2. Maintain path flows
3. Maintain deliverability for deliverable units
4. Load pocket – fix definition

Major Changes from last year studies

1. **2024 NQC data.**
2. **LCR results herein use the latest CEC load forecast:**
 - **CED 2023 Local Reliability LSE and BAA Tables**
3. **Total 2025 LCR capacity needed has increased by 1,376 MW or ~ 6.2%.**
4. **2025 LCR needs decrease in: North Coast/North Bay and San Diego/Imperial Valley** due to load forecast decrease, **Kern** due to small increase in rating for the limiting component.
5. **2025 LCR needs increase in: Humboldt, Bay Area, Sierra, Stockton, Fresno and Big Creek/Ventura** to load forecast increase, **LA Basin** due to delay in transmission project implementation.

2025 Final LCR Needs

Local Area Name	August Qualifying Capacity				Capacity Available at Peak	2025 LCR Need
	QF/ Muni (MW)	Non-Solar (MW)	Solar (MW)	Total (MW)	Total (MW)	Capacity Needed
Humboldt	0	175	0	175	175	164
North Coast/ North Bay	136	849	0	985	985	967
Sierra	1221	704	0	1925	1925	1532*
Stockton	125	608	7	740	733	735*
Greater Bay	604	7781	4	8389	8385	7441*
Greater Fresno	229	2839	199	3267	3068	2532*
Kern	9	397	43	449	406	434
Big Creek/ Ventura	399	3702	249	4350	4350	2145
LA Basin	1157	9129	10	10296	10296	4797
San Diego/ Imperial Valley	3	5297	169	5469	5469	2709
Total	3883	31481	681	36045	35792	23456

Major Changes from last year studies

1. **Total 2029 LCR capacity need has decreased by about 1,364 MW or ~5.8%.**
2. **2029 LCR needs decrease in: Stockton and San Diego/Imperial Valley** due to load forecast decrease, **North Coast/North Bay, Bay Area and Fresno** due to new transmission projects, **Kern and LA Basin** due to load forecast decrease and new transmission projects.
3. **2029 LCR needs increase in: Humboldt and Big Creek/Ventura** due to load forecast increase, **Sierra** due to load forecast increase and the flow-through nature of the area.

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

2029 Final LCR Needs

	August Qualifying Capacity				Capacity Available at Peak	2029 LCR Need
Local Area Name	QF/ Muni (MW)	Non-Solar (MW)	Solar (MW)	Total (MW)	Total (MW)	Capacity Needed
Humboldt	0	175	0	175	175	173
North Coast/ North Bay	136	849	0	985	985	650
Sierra	1221	704	0	1925	1925	1885*
Stockton	101	655	7	763	756	763*
Greater Bay	604	7781	4	8389	8385	6259
Greater Fresno	229	2839	199	3267	3068	2512*
Kern	9	397	43	449	406	241
Big Creek/ Ventura	399	3702	249	4350	4350	1329
LA Basin	1157	9129	10	10296	10296	5076
San Diego/ Imperial Valley	3	5637	169	5809	5809	3121
Total	3859	31868	681	36408	36155	22009

Near-Term LCR Study Schedule

CPUC and the ISO have determined overall timeline

- Criteria, methodology and assumptions meeting Oct. 30, 2023
- Submit comments by November 13, 2023
- Base case development started in December 2023
- Receive base cases from PTOs January 2024
- Publish base cases January 17, 2024 – comments by Feb 1th
- Receive and incorporate CEC load forecast February 1-4th
- Draft study completed by March 4, 2024
- ISO Stakeholder meeting March 6, 2024 – comments by the 20th
- ISO receives new operating procedures March 20, 2024
- Validate op. proc. – publish draft final report April 4, 2024
- ISO Stakeholder call April 11, 2024 – comments by the 22nd
- Final 2025 LCR report May 1, 2024



2024 ISO Procurement Schedule

Per ISO Tariff and BPM - overall timeline

- Final LCR Report May 1, 2024
- LSE self-guided local allocation; May-June, 2024
- Receive new CEC coincident load forecast June 30, 2024
- ISO or CPUC to send out final local allocation; middle of July, 2024
- For any current RMR resource; LSEs to submit showings by 9/1/2024
- ISO to decide on retaining units under RMR by October 1, 2024
- Final LSE showings TBD – Usually last week of October, 2024
- ISO to send a market notice out stating deficiencies in procurement – about 3 weeks after final showing - about November 21, 2024
- ISO receives additional showing (30 days after market notice)
- ISO to enter back-stop procurement for local reasons (if needed)