



2025 & 29 Draft LCR Study Results Summary of Findings

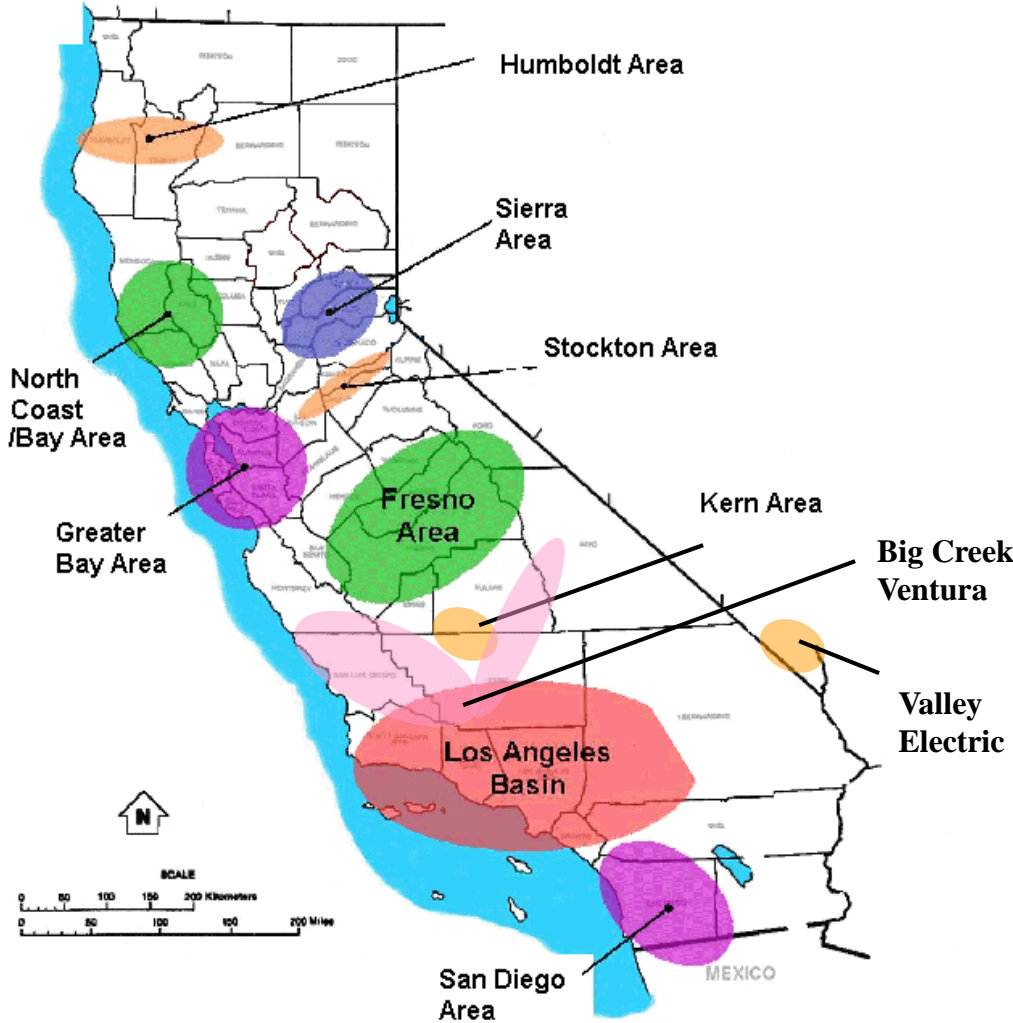
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Stakeholder Call

March 6, 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. **Mostly new NQC data.**
2. **LCR results herein use the latest CEC load forecast:**
 - **CED 2023 Local Reliability LSE and BAA Tables**
3. **Total 2024 LCR capacity needed has increased by 1,051 MW or ~ 4.8%.**
4. **2025 LCR needs decrease in: North Coast/North Bay and San Diego/Imperial Valley** due to load forecast decrease, **Kern** reason under investigation.
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 Draft LCR Needs

	August Qualifying Capacity				Capacity Available at Peak	2025 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	164
North Coast/ North Bay	136	849	0	985	985	967
Sierra	1150	510	0	1660	1660	1532*
Stockton	125	608	7	740	733	735*
Greater Bay	604	7721	4	8329	8325	7381*
Greater Fresno	229	2839	199	3267	3068	2532*
Kern	10	374	43	427	384	269
Big Creek/ Ventura	406	3446	265	4117	4117	2145
LA Basin	1145	7366	5	8516	8516	4797
San Diego/ Imperial Valley	3	6031	248	6282	6282	2709
Total	3808	29919	771	34498	34245	23231

Major Changes from last year studies

1. **Total 2028 LCR capacity need has decreased by about 1,857 MW or ~7.9%.**
2. **2029 LCR needs decrease in: LA Basin and San Diego/Imperial Valley** due to load forecast decrease, **North Coast/North Bay, Bay Area** and **Fresno** due to new transmission projects, **Kern** reason under investigation.
3. **2029 LCR needs increase in: Humboldt, Sierra, Stockton and Big Creek/Ventura** due to load forecast increase.

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 Draft 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	383
Sierra	1150	510	0	1660	1660	1660*
Stockton	101	654	7	762	755	762*
Greater Bay	604	7721	4	8329	8325	6259
Greater Fresno	229	2839	199	3267	3068	2512*
Kern	10	374	43	427	384	241
Big Creek/ Ventura	406	3446	265	4117	4117	1329
LA Basin	1145	7366	5	8516	8516	5076
San Diego/ Imperial Valley	3	6031	248	6282	6282	3121
Total	3784	29965	771	34520	34267	21516

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)