

Final 2025 Availability Assessment Hours (AAH) Study

Hong Zhou Lead Market Development Analyst, Short-Term Forecasting

Availability assessment hours: Background and purpose

- Concept originally developed as part of the ISO standard capacity product (SCP)
 - Maintained as part of Reliability Service Initiative Phase 1 (i.e. RAAvailability Incentive Mechanism, or RAAIM)
- Determine the hours of greatest need to maximize the effectiveness of the availability incentive structure
 - Resources are rewarded for availability during hours of greatest need
 - Hours determined annually by ISO and published in the BPM
 - See section 40.9 of the ISO Tariff



Methodology overview of system/local availability assessment hours

- Used CEC IEPR data accounting for DST shift
 - Hourly average load
 - By hour, by month
 - Years 2024-2027
 - Top 5% of load hours within each month using an hourly load distribution
- For 2025, the ISO proposes no changes to the AAH from last year with a three season approach



The ISO proposes continued use of three seasons for AAH

- For 2025, the ISO proposes three seasons for AAH:
 - HE17-HE21 for winter: Jan Feb, Nov Dec
 - HE18-HE22 for spring: Mar May
 - HE17-HE21 for summer: Jun Oct
 - Watching winter months for shift to HE18-22 for 2026 and 2027

2023 actual frequency of top 5% of load hours

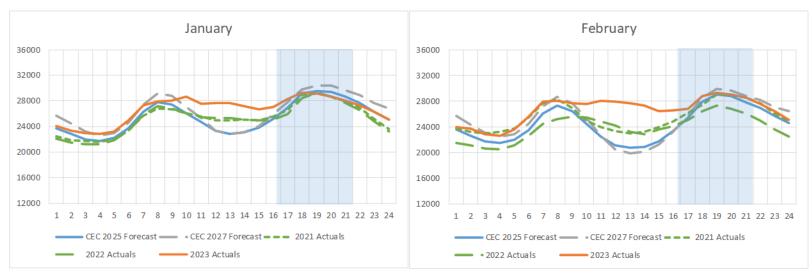
								•			
Hour		15	16	17	18	19	20	21	22	23	Season
	Jan			2	12	13	6	2			Winter
	Feb				7	8	8	5			Winter
	Mar				2	7	10	8	2		Spring
	Apr				3	3	10	9	5	2	Spring
_	May			2	4	5	7	10	6	3	Spring
Ė	Jun	1	1	2	2	4	8	8	8	2	Summer
MONTH	Jul		3	5	9	9	8	3			Summer
-	Aug	1	3	7	8	8	7	3			Summer
	Sep		3	4	9	8	6	5	1		Summer
	Oct	1	4	7	8	8	6	2	1		Summer
	Nov			5	16	9	6				Winter
	Dec			6	11	10	6	3			Winter
Total		3	14	40	91	92	88	58	23	7	

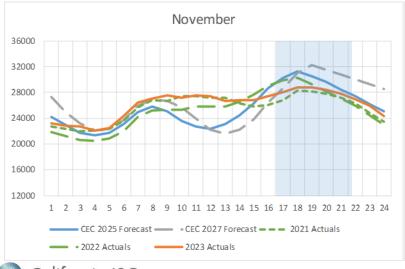
2025 forecast frequency of top 5% of load hours

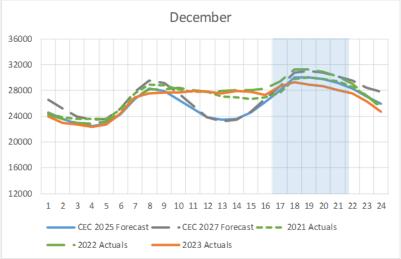
Н	lour	15	16	17	18	19	20	21	22	23	Season	Recommendation
	Jan				8	17	10	2			Winter	HE17-HE21
	Feb				1	18	12	2			Winter	HE17-HE21
	Mar					5	15	13	4		Spring	HE18-HE22
	Apr				2	5	8	11	8	2	Spring	HE18-HE22
_	May		1	2	3	6	8	9	6	2	Spring	HE18-HE22
MONTH	Jun	1	2	3	5	8	7	6	4		Summer	HE17-HE21
8	Jul	1	3	4	7	9	7	4	2		Summer	HE17-HE21
-	Aug		3	5	10	11	7	1			Summer	HE17-HE21
	Sep	2	3	5	7	8	6	3	2		Summer	HE17-HE21
	Oct		2	4	7	10	7	5	2		Summer	HE18-HE22
	Nov		1	3	13	14	4	1			Winter	HE17-HE21
	Dec				13	17	6	1			Winter	HE17-HE21
T	otal	4	15	26	76	128	97	58	28	4		



Forecast vs. actual in winter months

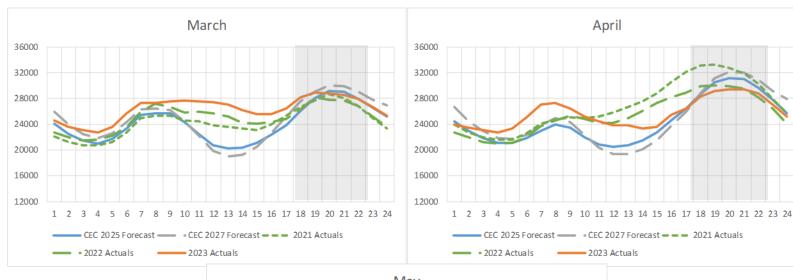








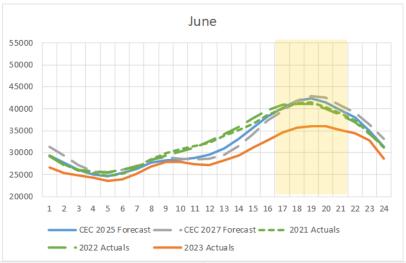
Forecast vs. actual in spring months



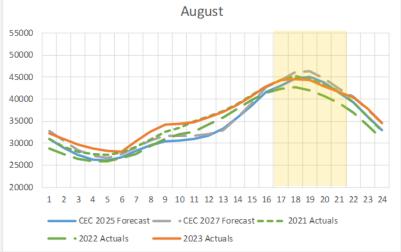




Forecast vs. actual in summer months

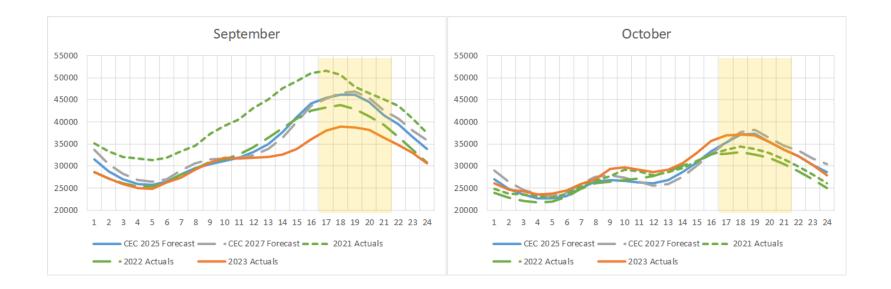








Forecast vs. actual in summer months





Availability assessment hours final recommendation

Summer and Winter Season Final Recommendation

January - February, June - December

Year	Start	End
2024 (Final)	HE 17	HE 21
2025 (Final)	HE 17	HE 21

Spring Season Final Recommendation

March - May

Year	Start	End
2024 (Final)	HE 18	HE 22
2025 (Final)	HE 18	HE 22



Availability assessment hours advisory recommendation

Summer Season Final Estimates

June - November

Year	Start	End
2026 (Estimate)	HE 17	HE 21
2027 (Estimate)	HE 17	HE 21

Spring and Winter Season Final Estimates

January - May, December

Year	Start	End
2026 (Estimate)	HE 18	HE 22
2027 (Estimate)	HE 18	HE 22

- Estimates for 2026, 2027 include a shift of January, February, and December to HE18-22 for based on CEC forecast
 - November remains in summer season estimate



Reliability Requirements; Section 7 – BPM Updates Needed

2025 System and Local Resource Adequacy Availability Assessment Hours

Analysis employed: Top 5% of load hours using average hourly load

Spring: March 1 – May 31

Availability Assessment Hours: 5pm – 10pm (HE18 – HE22)

Summer: June 1 - October 31

Availability Assessment Hours: 4pm – 9pm (HE17 – HE21)

<u>Winter: January 1 – February 28, November 1 – December 31</u> **Availability Assessment Hours: 4pm – 9pm (HE17 – HE21)**

2025 Flexible Resource Adequacy Availability Assessment Hours and must offer obligation hours

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