

## **RA 2024 LSE Demand Forecast Update**

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### **Load Forecast Process Overview**

 CEC first followed the existing process for monthly coincident peak forecast determination, then used that as input into hourly forecast development.

#### 1) Monthly peak process:

- a) Develop reference forecast for IOU service areas and direct access
- b) Develop reference current peak demand estimate for LSEs based on available data. Evaluate need for LSE-specific adjustments.
- c) Estimate and apply coincidence factors to LSE forecasts.
- d) Apply adjustments for demand side credits.
- e) Apply pro-rata adjustments to bring the total of the forecasts to within 1% of the CEC service area forecast.



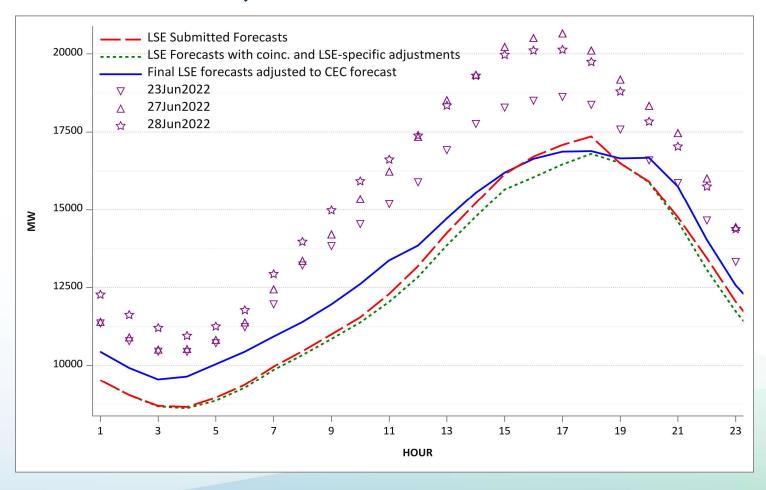
## **Load Forecast Process Overview**

#### 2) Hourly Forecast Process

- a) Calculate hourly coincidence factors using historic loads, which account for differences between load shapes on the system peak day and the LSE's peak day.
- b) Apply curve-fitting formula to fit LSEs' submitted load shape with coincidence adjustments to the adjusted monthly peak and energy from 1).
- c) Calibrate to coincident peak hour forecast from 1) if needed.
- d) Apply load credits. This includes AAEE, LMDR, and in SCE, utility-owned storage (negative in charging hours).
- e) Apply pro-rata to within 1% of 2022 IEPR 1-in-2 hourly forecast for the monthly coincident peak day, by TAC.



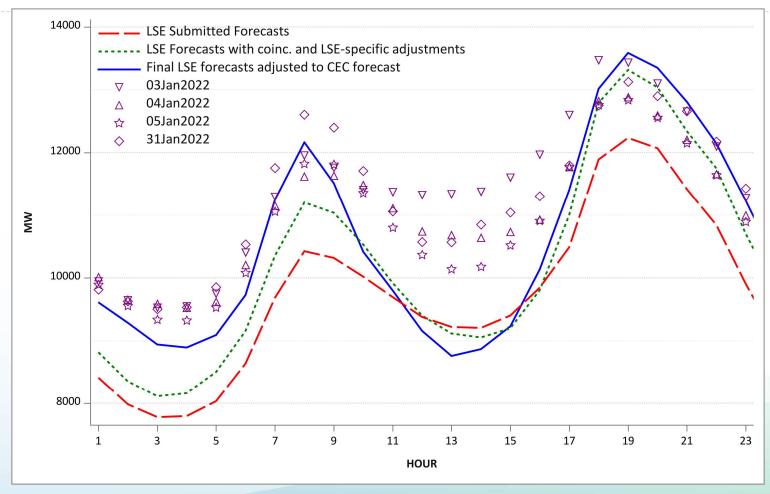
# Aggregate Results – Example (draft) SCE TAC, June 2024



- Pro rata adjustments are roughly 10% early morning and late evening hours, but much less during peak hours.
- Actual TAC area loads shown for context.



## PG&E, January 2024



- LSE forecasts assume less BTM PV production.
- Coincidence adjustments to some extent adjust LSE shapes to reflect CEC-like PV assumptions,
- Pro-rata adjustments are negative mid-day.
- Future changes are planned to CEC hourly PV shapes.



# **LSE Forecast Distribution**

- CEC will distribute individual adjusted demand forecasts to LSEs:
  - Hourly adjusted forecast report
  - Month-ahead forecast template
- Aggregate adjustment results will be posted on the CPUC RA compliance page
- For demand forecast-related questions contact CEC staff at rafiling@energy.ca.gov