



Item 9: Publicly Owned Utility Integrated Resource Plans (IRPs)

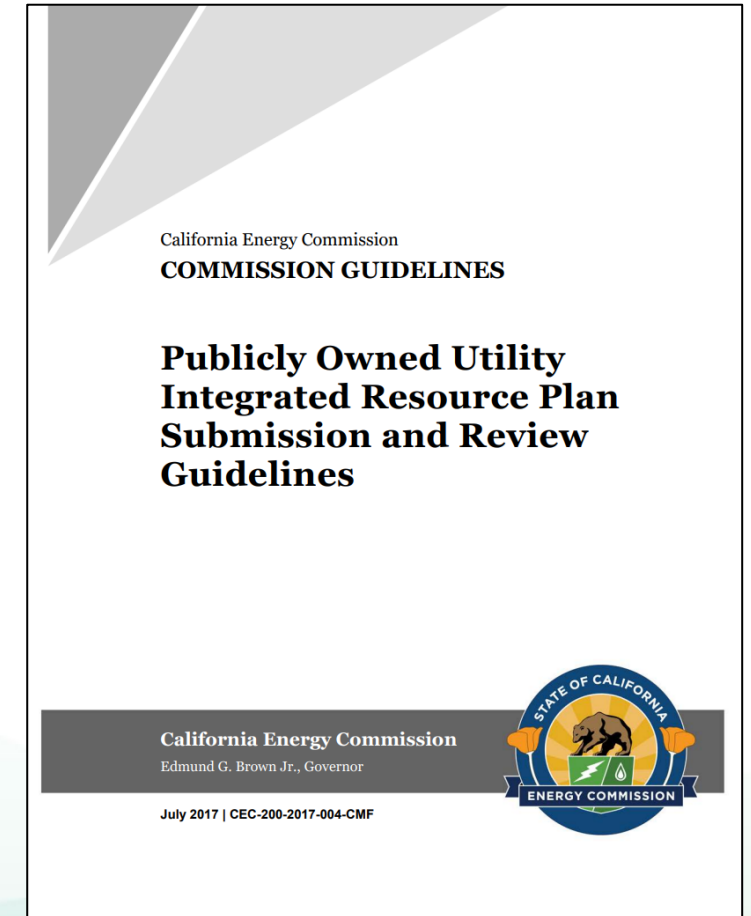
December 8, 2025 Business Meeting

Bryan Neff
Energy Assessments Division



IRP Overview

- Comprehensive planning document describing:
 - Energy and capacity resource needs
 - Policy goals
 - Physical and operational constraints
 - Other utility priorities
- Developed and adopted by 16 largest POUs
- Submitted to CEC every 5 years
- CEC reviews per IRP Guidelines
- CEC Business Meeting



Source: CEC



CEC Staff Review

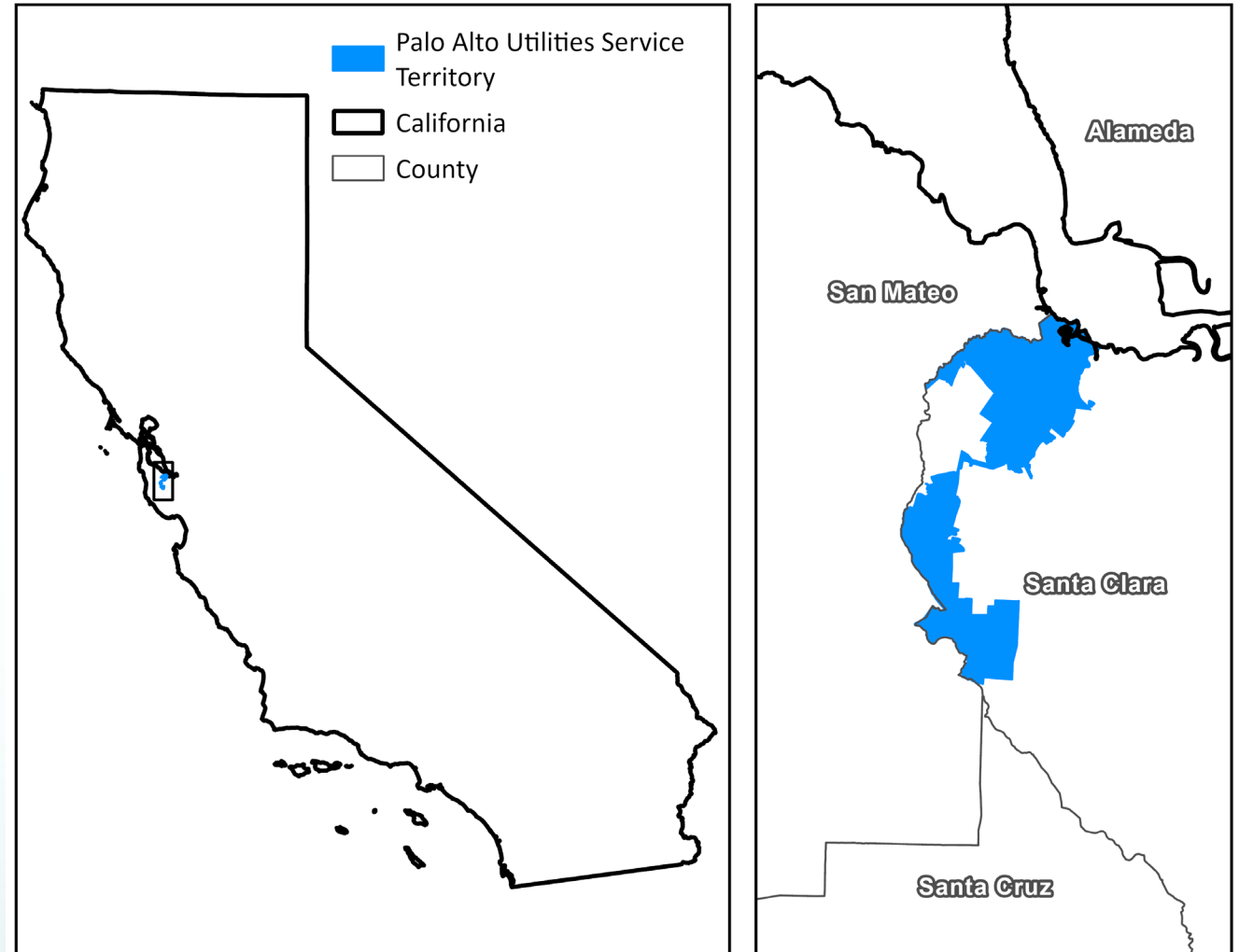
IRPs evaluated for consistency with statutory requirements of Public Utilities Code Section 9621:

- GHG emissions targets
- Renewables Portfolio Standard
- Just and reasonable rates
- System and local reliability
- Diverse, resilient, and sustainable energy system and communities
- Localized air pollutants with priority on disadvantaged communities
- Diverse portfolio of energy resources



City of Palo Alto Utilities 2023 IRP

- Serves City of Palo Alto
- Balancing authority is CAISO
- Peak demand of 187 MW in 2024
 - Growth averages 5% for two years then flat
- Net energy of 931 GWh in 2024
 - Growth averages 5% for three years then flat

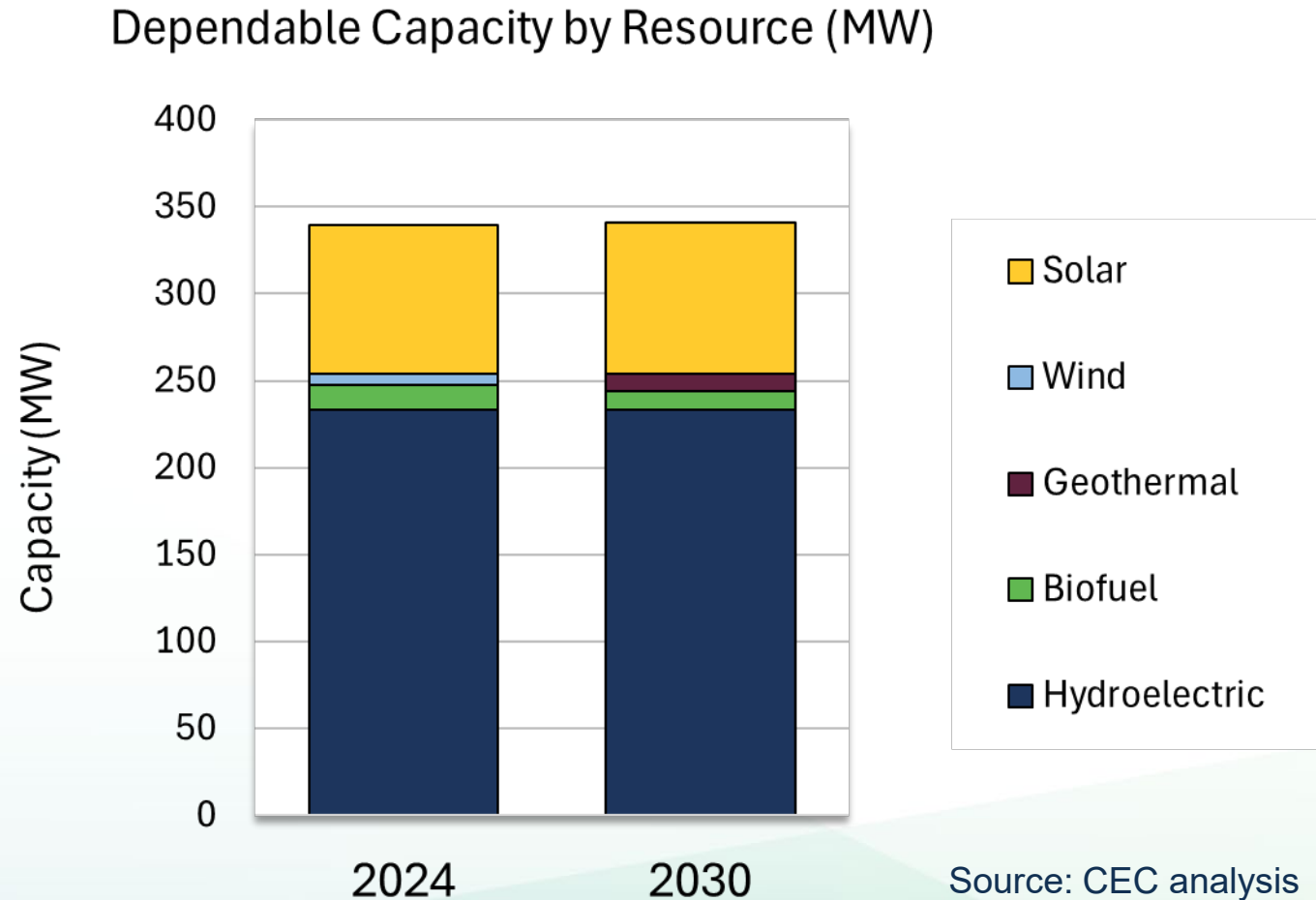


Source: CEC



City of Palo Alto Utilities Energy Supply and Dependable Capacity

- Renewed hydroelectric contract with WAPA
- Decreased landfill gas and wind
- Invest in geothermal
- Spot market sales/purchases to balance baseload power
- Increased risk in low hydro years

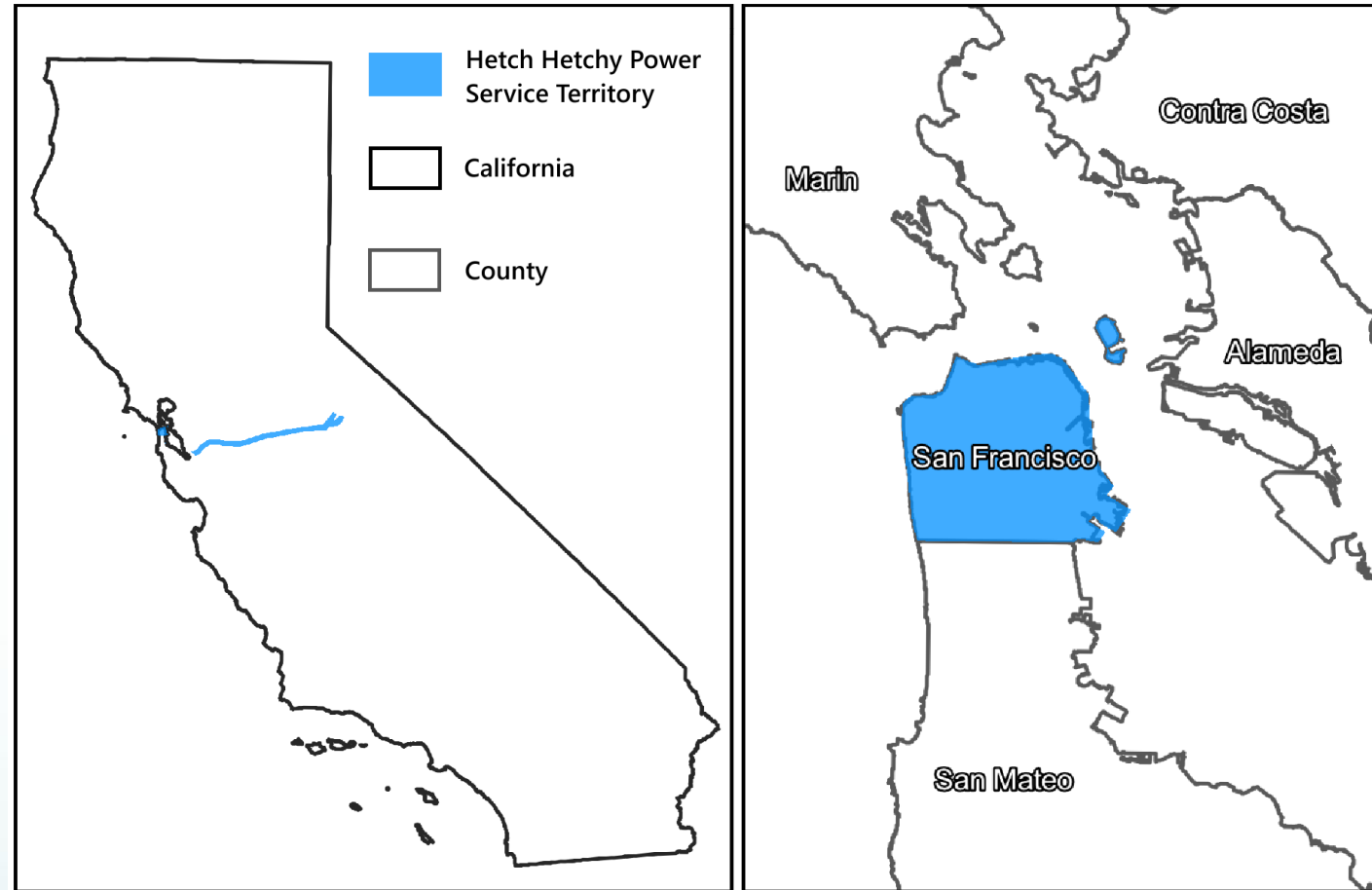


Source: CEC analysis of CPAU's 2023 IRP



Hetch Hetchy Power 2023 IRP

- Serves municipal customers, some other customers in San Francisco
- Balancing authority is California ISO
- Peak demand of 159 MW in 2024
 - Growth averages 4.6% annually
- Net energy of 984 GWh in 2024
 - Growth averages 4.6% annually

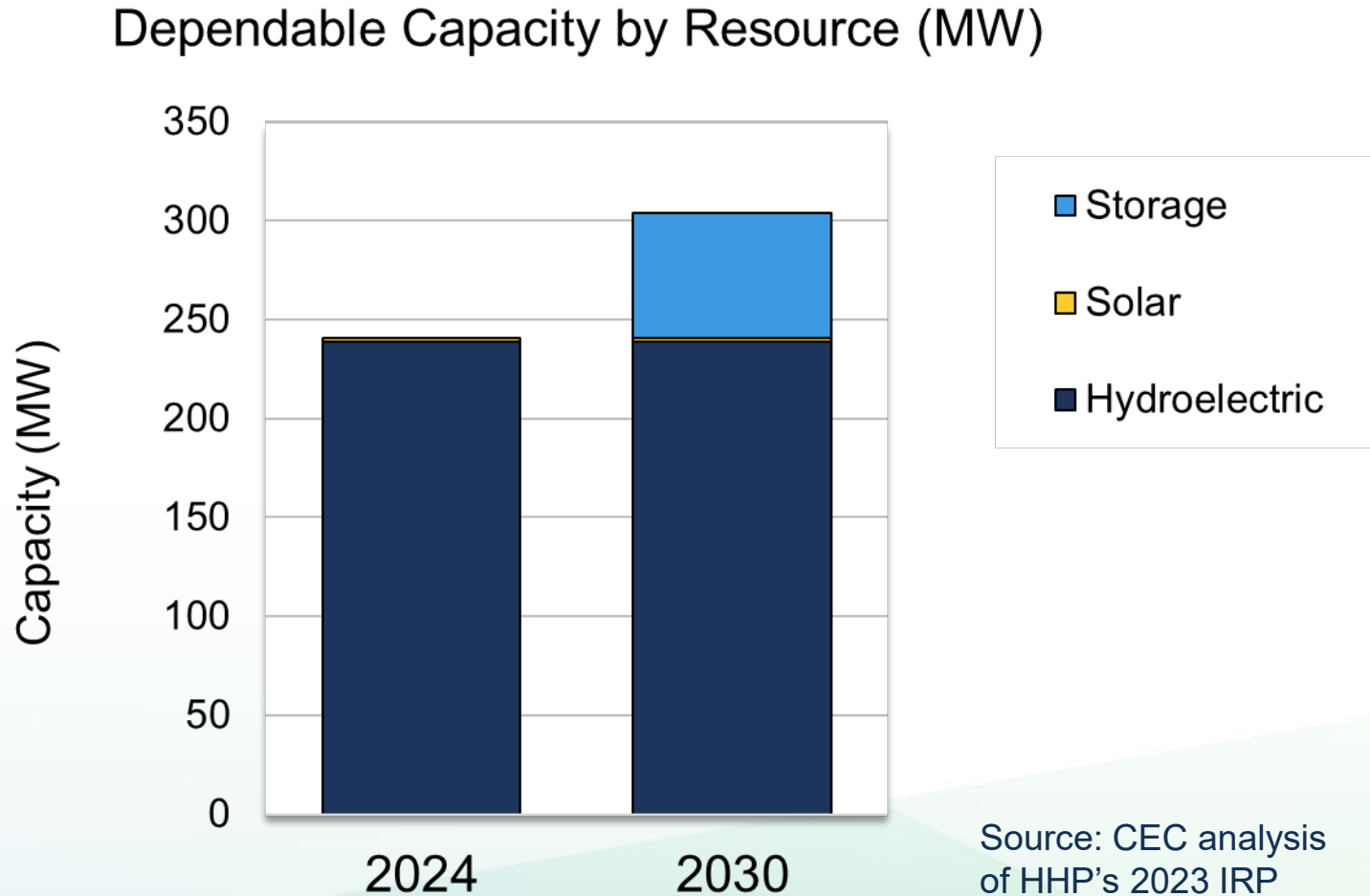


Source: SFPUC



Hetch Hetchy Power Energy Supply and Dependable Capacity

- HHP hydroelectric generation exceeds current demand
- Very low GHG emissions
- Falls under RPS alternative
- Adding storage in 2027, solar in 2033, geothermal in 2035





Staff Recommendation

Approve orders adopting CEC's determination that the POU IRP filings are consistent with the requirements of Public Utilities Code Section 9621.