

DOCKETED

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CAISO Transmission Planning

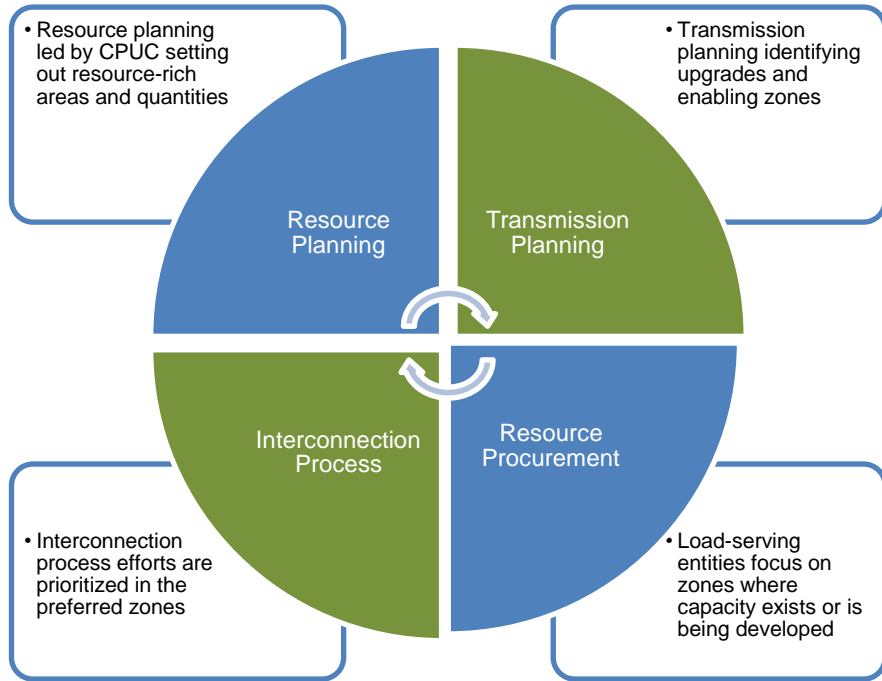
Jeff Billinton
Director, Transmission Infrastructure Planning

August 22, 2023
CEC – SB100 Kickoff Workshop

Transmission Planning Activities

- 2021-2022 Transmission Plan (May 2022)
- 20-Year Transmission Outlook (May 2022)
- 2022-2023 Transmission Plan (May 2023)
- 2023-2024 Transmission Planning Process
- 20-Year Transmission Outlook - Update

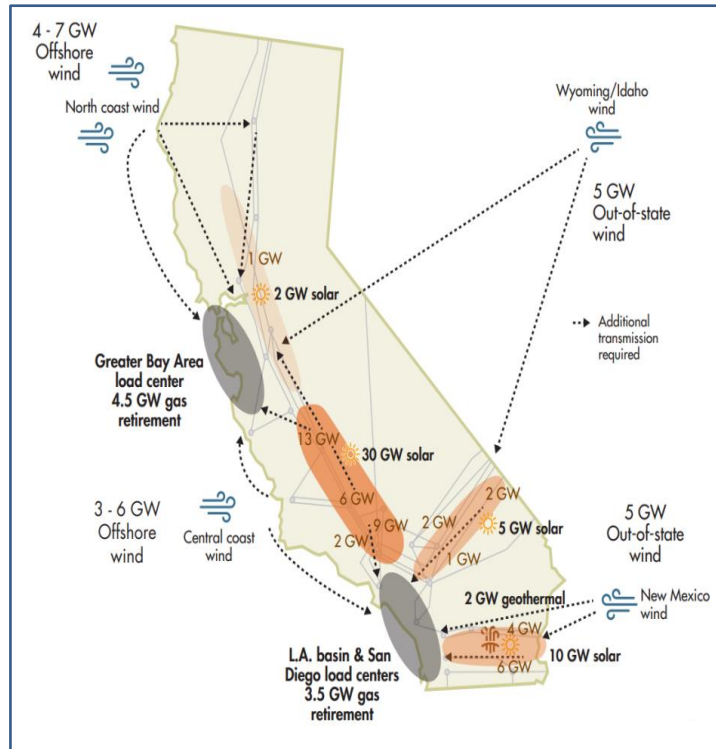
The 2022-2023 Transmission Plan addresses the rapidly escalating need for new resources and sets the foundation for a focused zonal approach to resource development



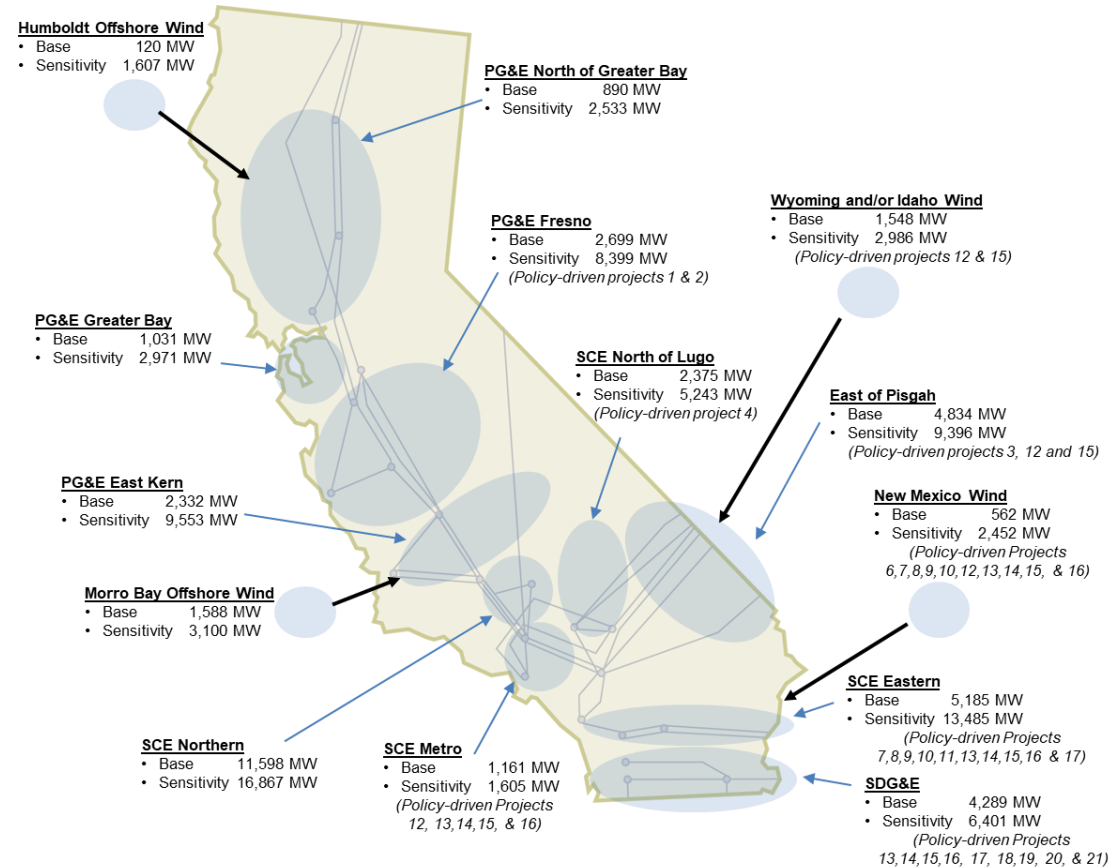
The strategic direction for transformational change in process alignment was established in the CPUC/CEC/ISO Memorandum of Understanding signed in December 2022 to:

- Tighten the linkage between resource and transmission planning, procurement direction, and the ISO interconnection process to the greatest extent possible.
- Create formal linkage between CEC SB 100/IEPR activities and the ISO and CPUC processes
- Reaffirm the existing state agency and single forecast set coordination

2022-2023 transmission plan used a zonal approach which enables clear direction and prioritization

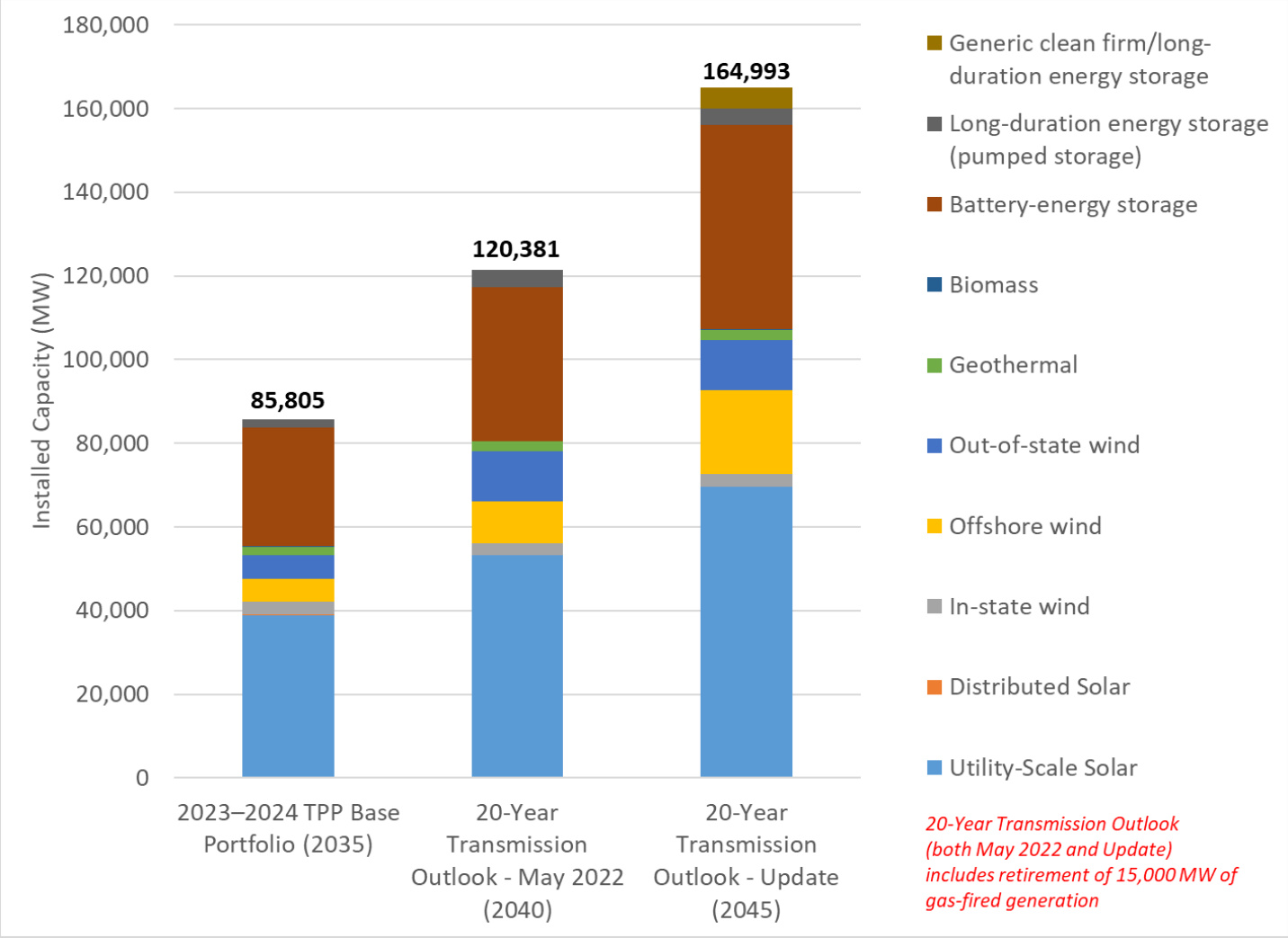


CAISO 20-year Transmission Outlook - 2022



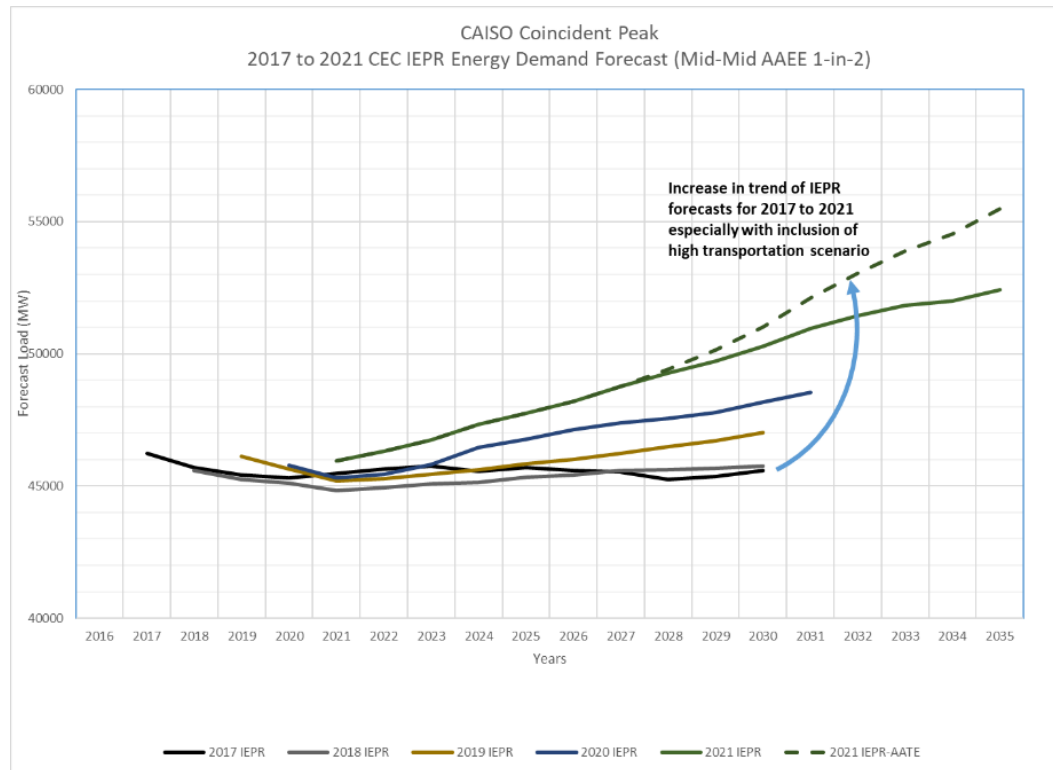
CAISO 2022-2023 Transmission Plan

Portfolios – 2023-2024 Transmission Planning Process and 20-Year Transmission Outlook



California's climate change goals are driving escalating load forecasts

The CEC's load forecast is used in both the CPUC's Integrated Resource Planning process and the ISO's transmission planning process.



The ISO uses:

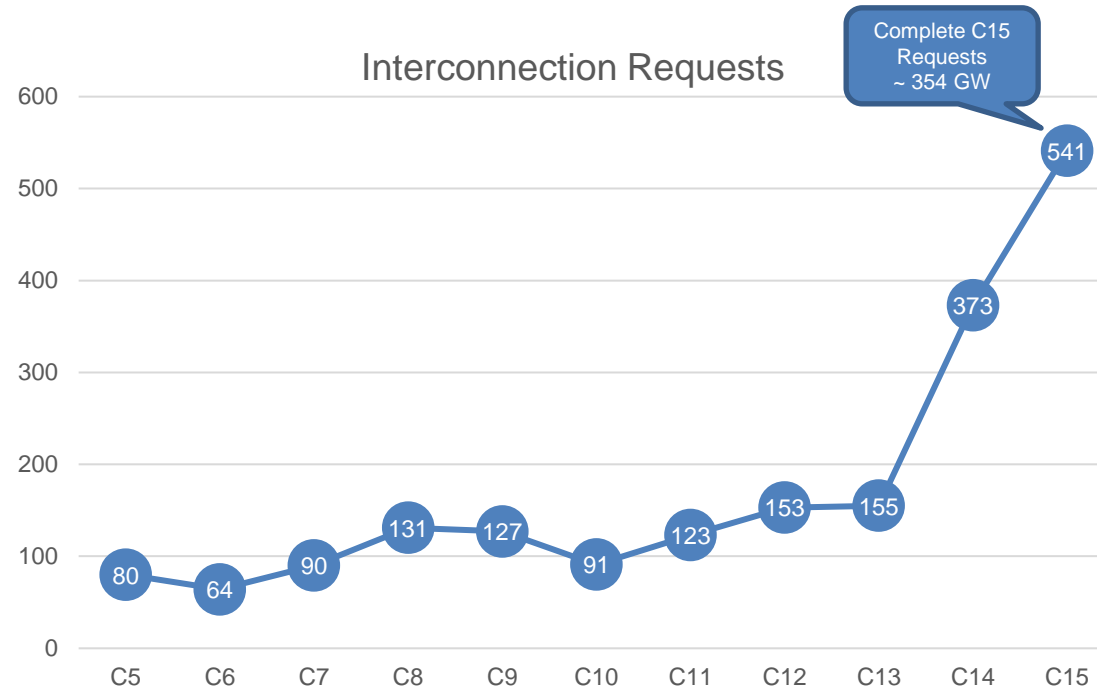
- 1-year-in-10 weather event forecast for local reliability studies
- 1-year-in-5 weather event forecast for bulk system reliability-driven and policy-driven studies
- 1-year-in-2 weather event forecast for economic (market efficiency) studies

Current Planning Activities

- CEC Docketed “Final Staff Paper for the 2045 Scenario for the 20-Year Transmission Outlook” – July 13
- ISO 20-Year Transmission Outlook stakeholder call – August 16
- The ISO will provide updates at the 2023-2024 transmission planning stakeholder meetings:
 - September 26 and 27
 - November 16
 - Additional may be added as required
- Draft 20-Year Transmission Outlook and Draft 2023-2024 Transmission Plan March 31, 2024
- Finalize 20-Year Transmission Outlook and 2023-2024 Transmission Plan March 31, 2024– May 2024

The ISO is exploring transformative change to its interconnection process through a stakeholder process

- Current circumstances have reinforced the need for these transformative changes - Interconnection requests continue to skyrocket
 - This April, Cluster 15 applications greatly exceeded last year's informal survey results of about 300 expected requests
 - Many in areas not part of state resource plans, and in excessive volumes even in those areas



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