

DOCKETED

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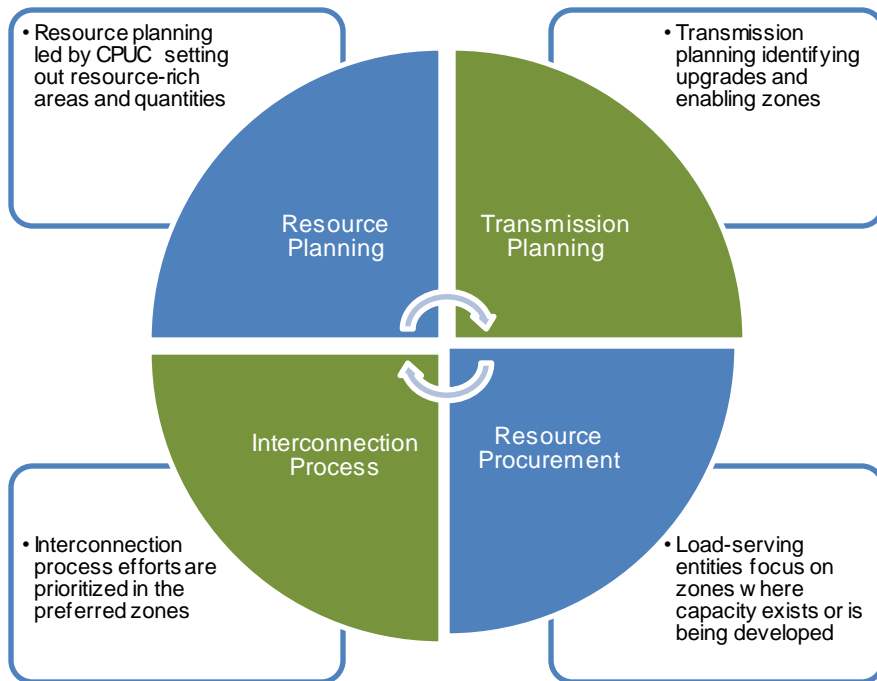
Transmission Planning

Jeff Billinton, Director – Transmission Infrastructure Planning

CEC IEPR Commissioner Workshop on Clean Energy
Interconnection – Bulk Grid

May 4, 2023

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

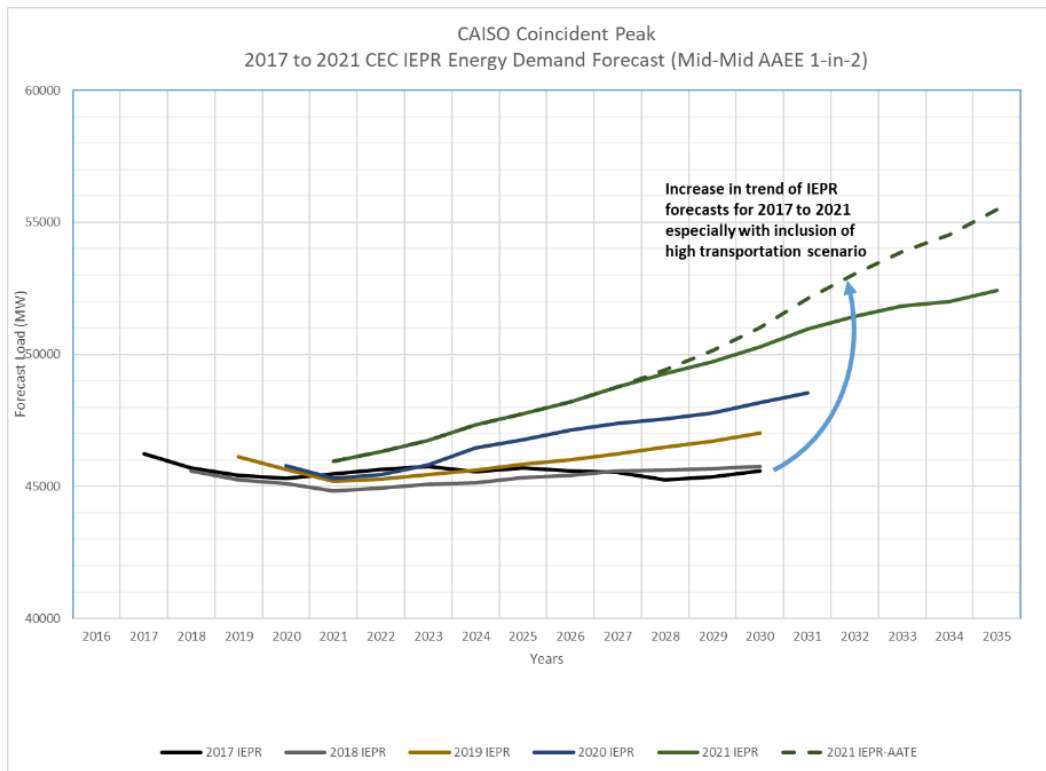


The strategic direction for transformational change was established in the CPUC/CEC/ISO Memorandum of Understanding signed in December, 2022 to:

- 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
- Update references to current processes and set direction to updating process documentation

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.

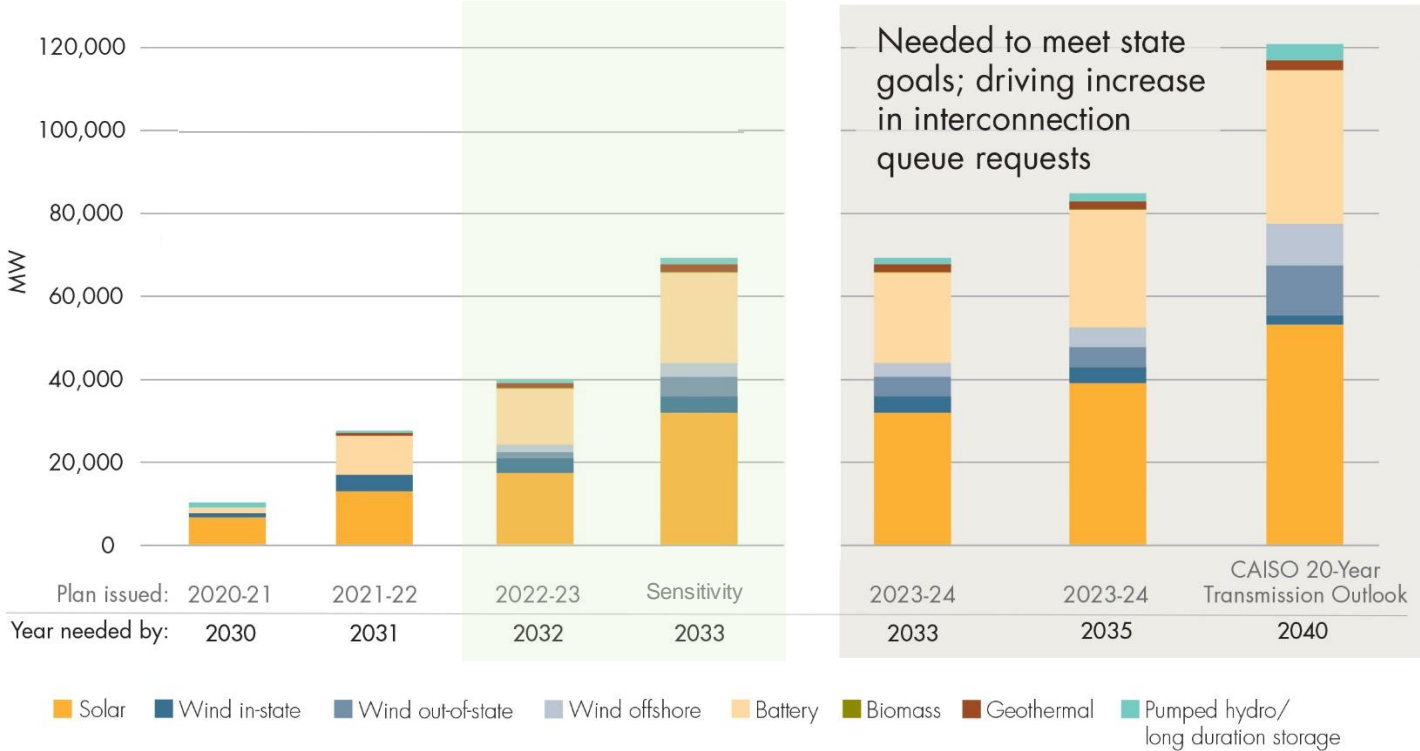


The ISO uses:

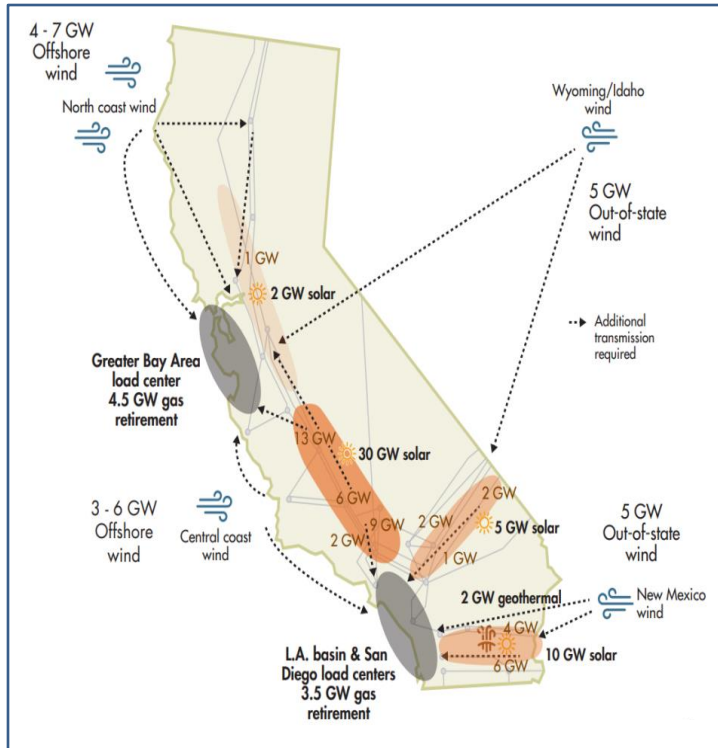
- The 1-in-10 weather event forecast for local reliability studies
- The 1-in-5 weather event forecast for bulk system reliability-driven and policy-driven studies
- The 1-in-2 weather event forecast for economic (market efficiency) studies

California's climate change goals and escalating load forecasts lead to unprecedented resource needs

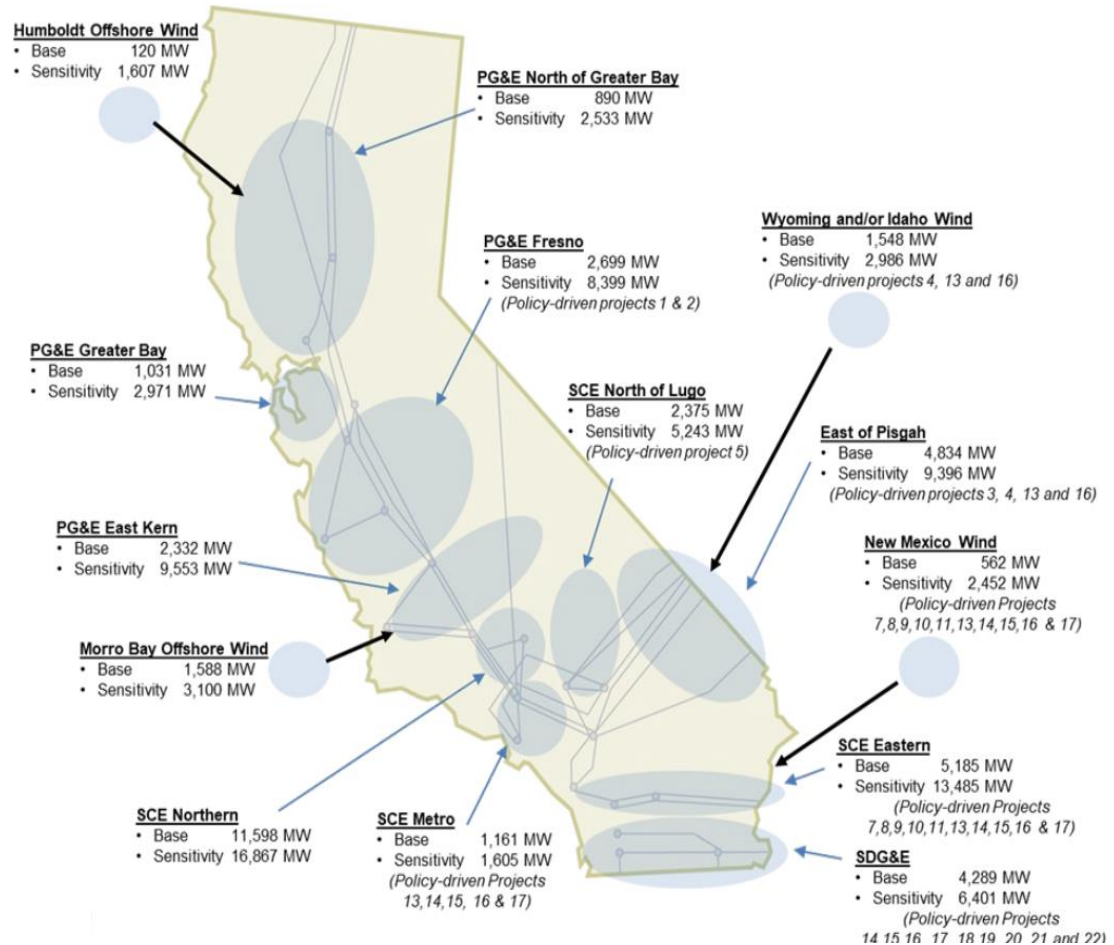
Additional resources needed
based on state agency resource plans provided to ISO for transmission planning



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



CAISO 20-year Transmission Outlook - 2022



CAISO 2022-2023 draft Transmission Plan