



Transmission Activities at the ISO

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AU&E Hearing

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Since May 2022

Overview of Summer 2022

- California load conditions were moderate till August 31 - September 8
- Record breaking extended heat for large portion of region but not all at the same time

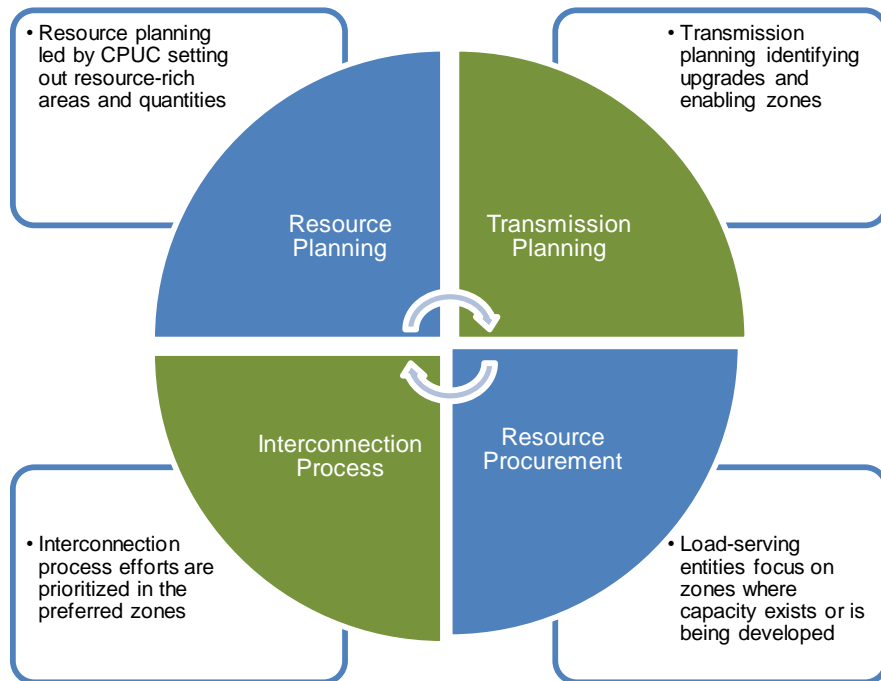
Role the WEIM had on reliability

- During September 2022 WEIM performed to get surplus to areas of higher need
- Responded to outages during critical times

Growth of storage

- Addition of 3,000 MW of storage since summer 2022

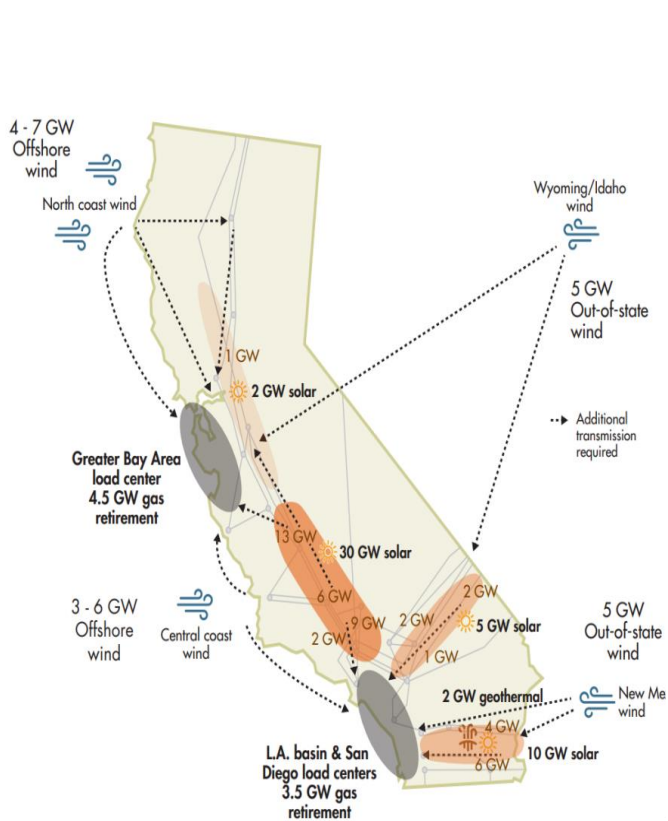
The 2022-2023 Transmission Plan addresses the rapidly escalating need for new resources and sets the foundation for a focused zonal approach to resource development



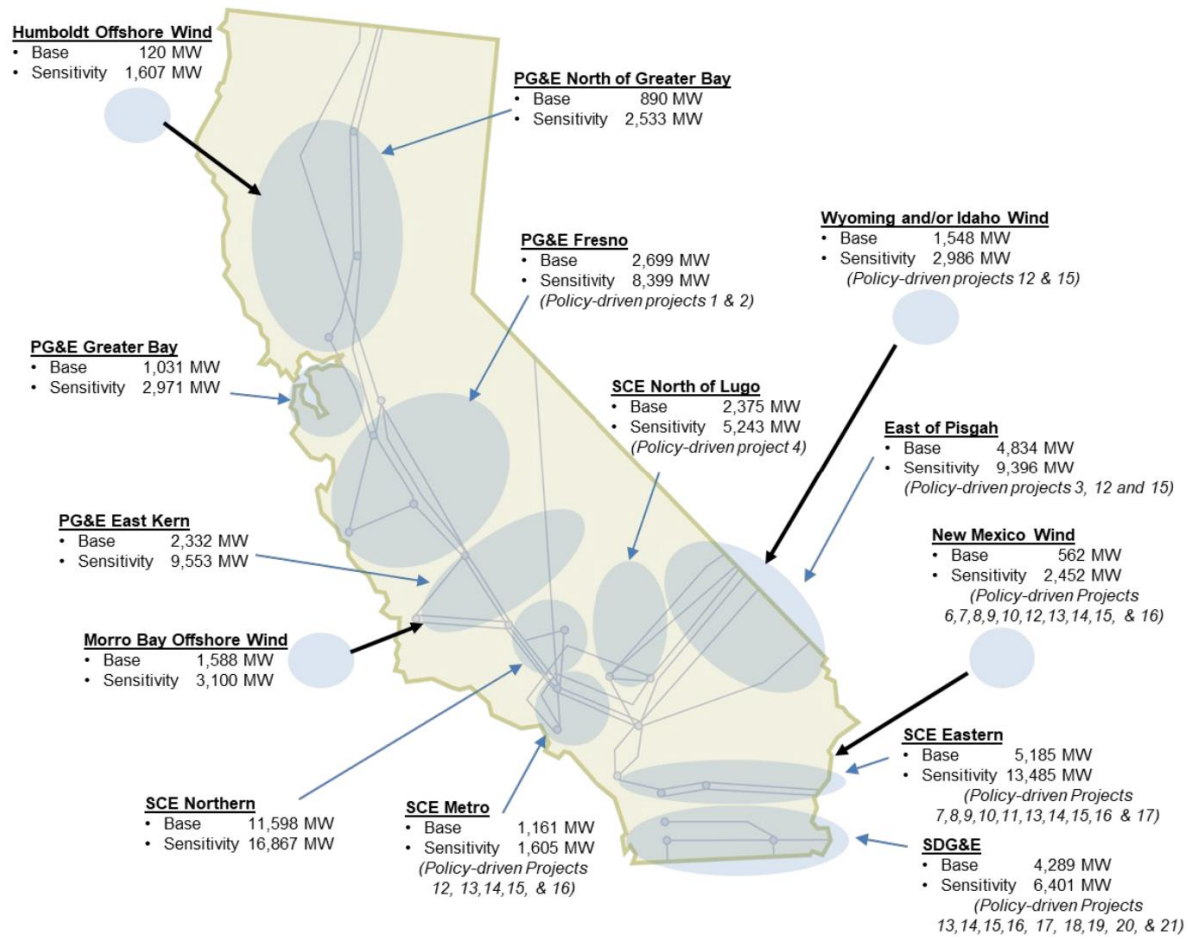
The strategic direction for transformational change in process alignment was established in the CPUC/CEC/ISO Memorandum of Understanding signed in December, 2022 to:

- 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 uses a zonal approach which enables clear direction and prioritization



CAISO 20-year Transmission Outlook - 2022



CAISO 2022-2023 Transmission Plan

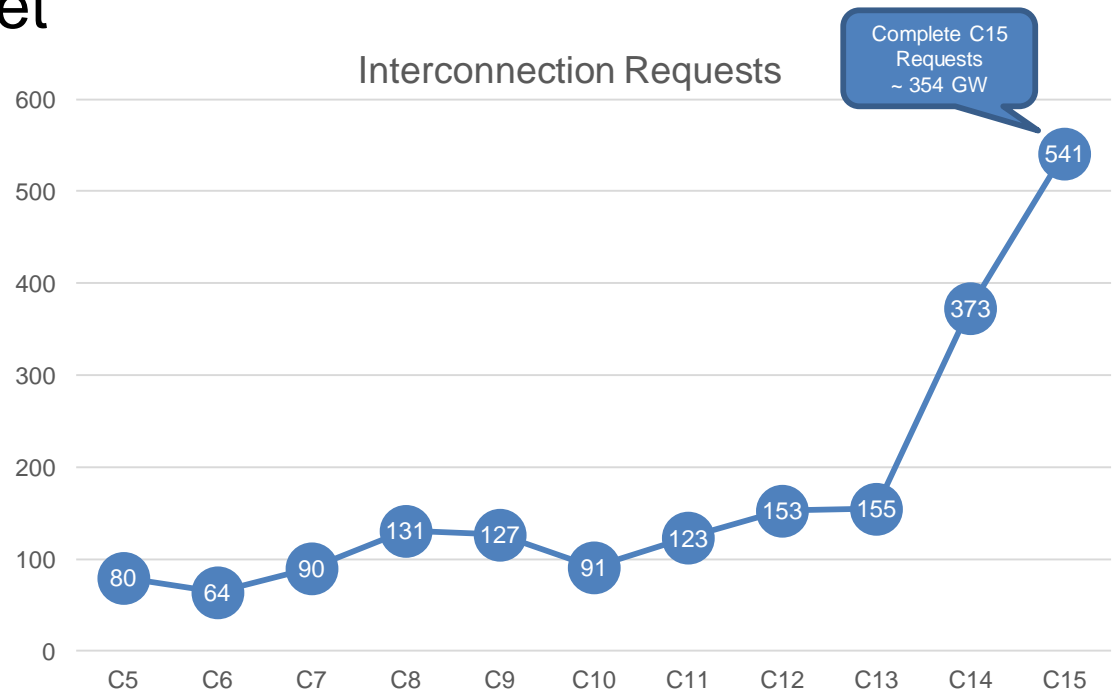
This resulted in the ISO's largest transmission plan:

- 24 reliability projects were approved, totaling \$1.76 billion
 - Driven by load growth and evolving grid conditions as the generation fleet transitions to increased renewable generation
- 21 transmission projects that are policy driven were approved, totaling \$5.53 billion
 - Driven by the renewable generation requirements established in the CPUC-developed renewable generation portfolios
 - Three are eligible for competitive procurement
 - A recommendation for an additional \$2 billion project, Trout Canyon-Lugo 500 kV, was deferred to a later date
- We are also working with Idaho Power on sharing a possible upgrade through Nevada to Midpoint, Idaho, and in discussions with LADWP about possible future joint projects into the LA Basin

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



These volumes are above the already existing ~180 GW in the ISO queue

Questions?