#### WESTERN ENERGY MARKETS

#### California ISO West-wide transmission activities

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The ISO's planning activities coordinate with the rest of the western interconnection – most of which is outside of an

ISO/RTO structure

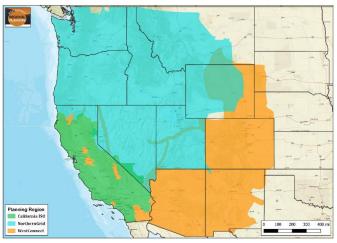
The western interconnection has formed into three separate interregional planning areas pursuant to FERC Order 1000, that provides:

- Annual exchange of information
- Annual public interregional coordination meeting

As the existing interregional coordination framework approved by FERC has not been effective to date, the ISO has pursued other coordination opportunities as well

- State voluntary agreement framework
- subscriber participating transmission owner model





## The ISO explores west-wide transmission planning on multiple tracks

Information-sharing to support west-wide study efforts

- FERC Order 1000 interregional coordination efforts
- FERC Order 1920 transmission planning
- DOE transmission planning and congestion studies
- WECC model development and system planning studies
- NERC interregional transfer capability study
- Gridworks/Gridlab/PNNL Connected West initiative
- Western Transmission Expansion Coalition (WestTEC)
- Western States Transmission Initiative (CREPC)

Informal discussions with transmission planning peers

- Regional transmission planning discussions through a forum led by the ISO
- ESIG transmission planning task forces

Creative bilateral efforts to advance projects

- Subscriber PTO approach
- Bilateral arrangements through FERC's voluntary framework agreement approach

Monitor and engage in process reform

- WEM education and engagement on transmission planning efforts
- FERC technical conferences
- Comments on FERC NOPRs
- Department of Energy National Interest Electricity Transmission Corridor (NIETC) designations

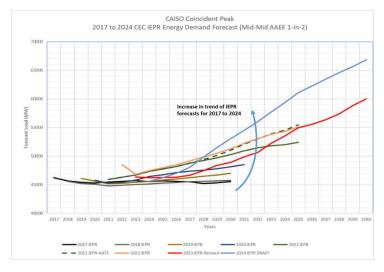
# The ISO's participation in interregional planning keys off our regional transmission planning process

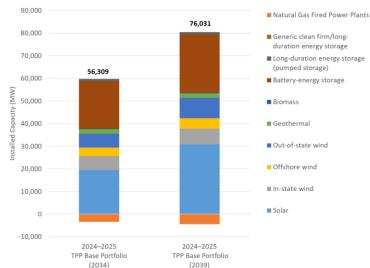


- Relies upon load forecasts and resource plans from our state and local regulatory authorities
- Annual 10-Year transmission plan is the formal approval document for expansion planning in our footprint
  - Responding to accelerating load growth and escalating clean energy needs
  - 2024-2025 Transmission Plan approved transmission totaling \$4.8 billion, largely load growth related.
  - Previous three transmission plans approved an average of \$5.8 billion, largely policy-driven transmission supporting access to resource basins
  - Focus on most efficient and effective long-term solutions, including grid enhancing technologies
  - 20 Year Outlook assesses longer term needs
    - First prepared in 2022, updated in 2024
    - Establishes a longer-term direction and strategy
    - Provides context for nearer term decision
  - FERC Order No. 1920 will require changes and add new considerations to regional transmission planning



## Load forecasts have been escalating, and driving increased resource and transmission requirements





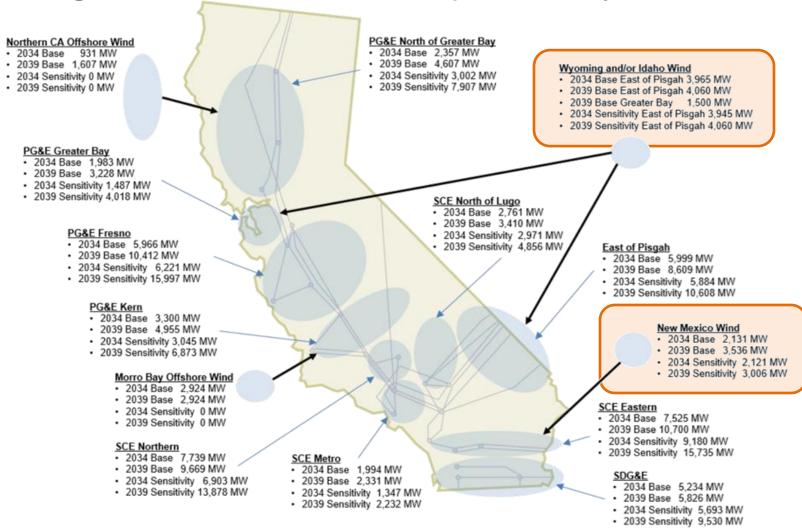
#### Major *competitively procured* transmission projects under development:



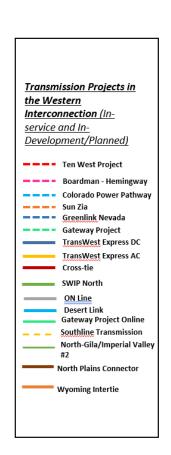


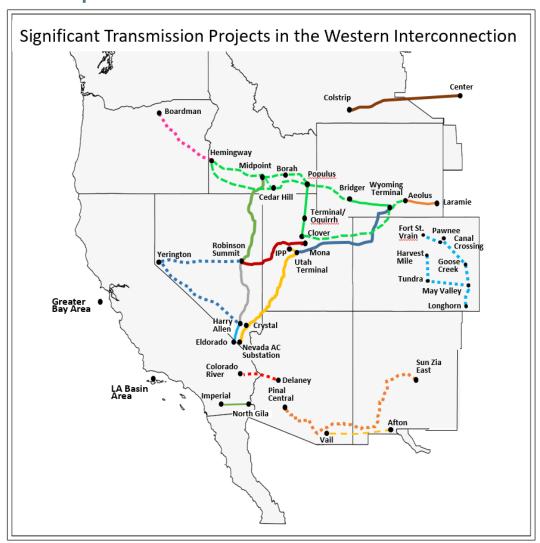


### The 2024-2025 transmission plan continued to rely on accessing out of state resources, particularly wind

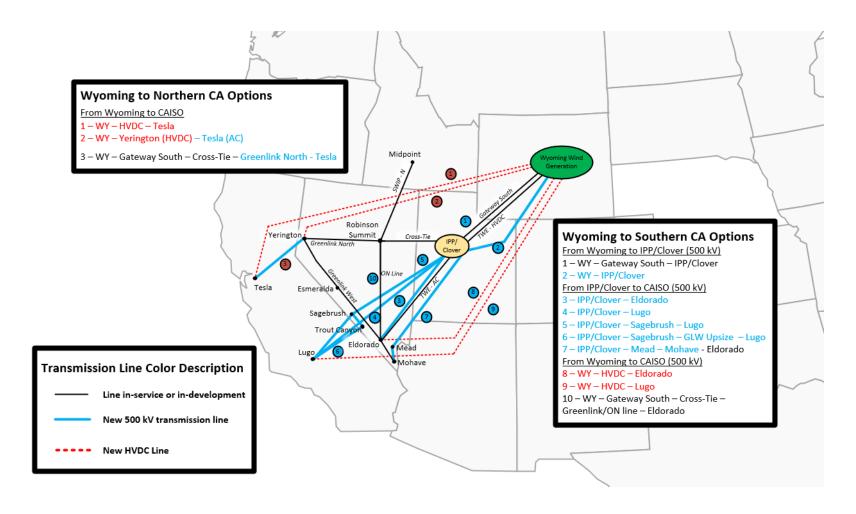


#### There are a significant number of transmission projects recently in-service or planned in the Western Interconnection



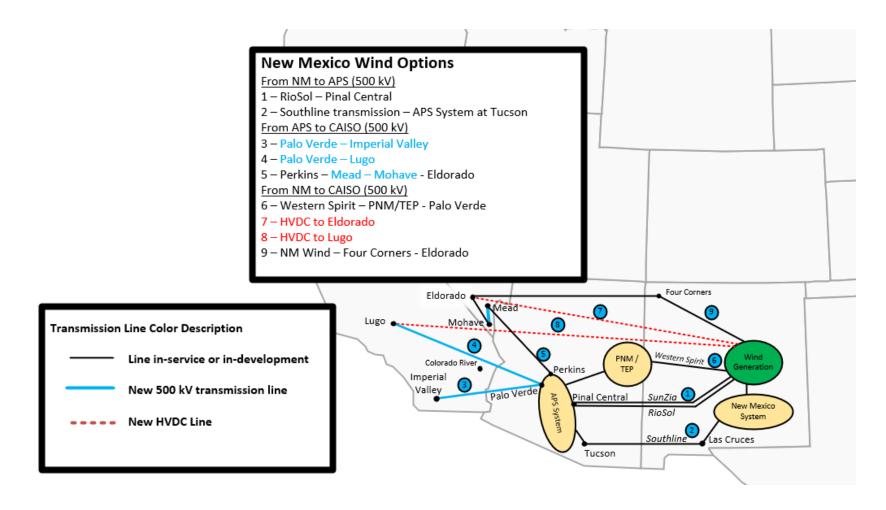


# The ISO is exploring transmission solutions to integrate wind resources from Wyoming





# The ISO is also exploring transmission solutions to integrate wind resources from New Mexico



#### Regional and Interregional Transmission – The path forward

- The ISO will continue to conduct proactive transmission planning based on long-term load-forecasting and resource planning and:
  - Assess our own needs
  - Support interregional west-wide planning efforts
  - Look for collaborative opportunities to work with other interested parties to advance beneficial transmission projects
- Supporting the Western Transmission Expansion Coalition (WestTEC) effort is a priority, to explore additional opportunities for mutual benefits
- The ISO will continue to explore funding options to lower the delivered cost of electricity to consumers