



## California ISO West-wide Transmission Activities

Regional Issues Forum  
December 11, 2023

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Most of the western interconnection is outside of an ISO/RTO structure, however other coordination frameworks exist.

## CAISO coordination statistics

- CAISO recorded peak demand: 52,061 MW
- CAISO serves 80% of California load, plus parts of Nevada
- The Western Energy Imbalance Market operates in 11 states and extends into parts of Canada
- 42 Balancing Areas and Transmission Operators currently receive reliability coordinator services from CAISO's RC West



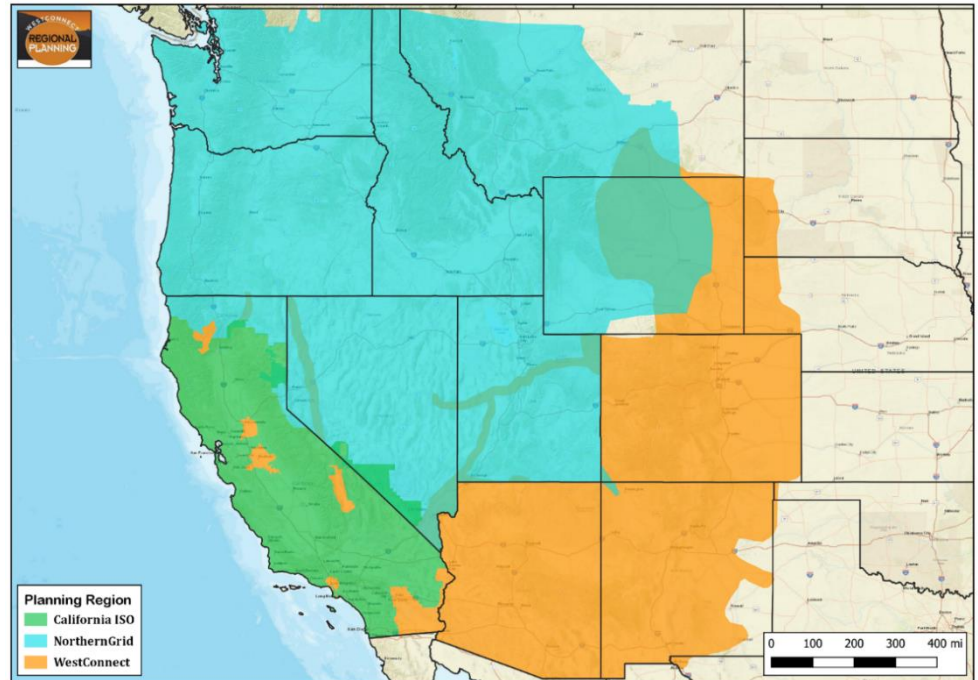
# CAISO and our neighbors have an interregional coordination framework approved by FERC.

## Interregional coordination

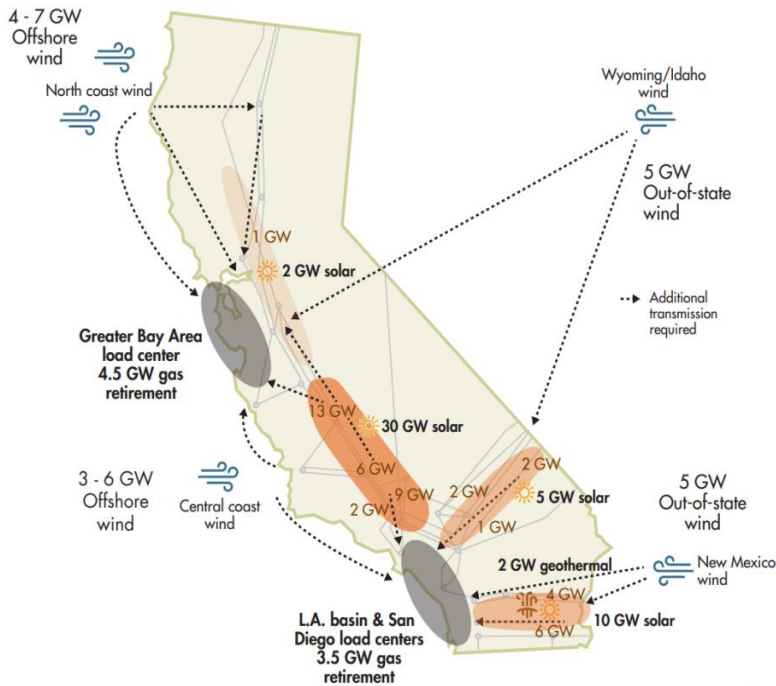
- Annual exchange of information
- Annual public interregional coordination meeting
- WestConnect's and Northern Grid's biennial processes have been coordinated with two cycles of the ISO's annual process

## Interregional cost allocation

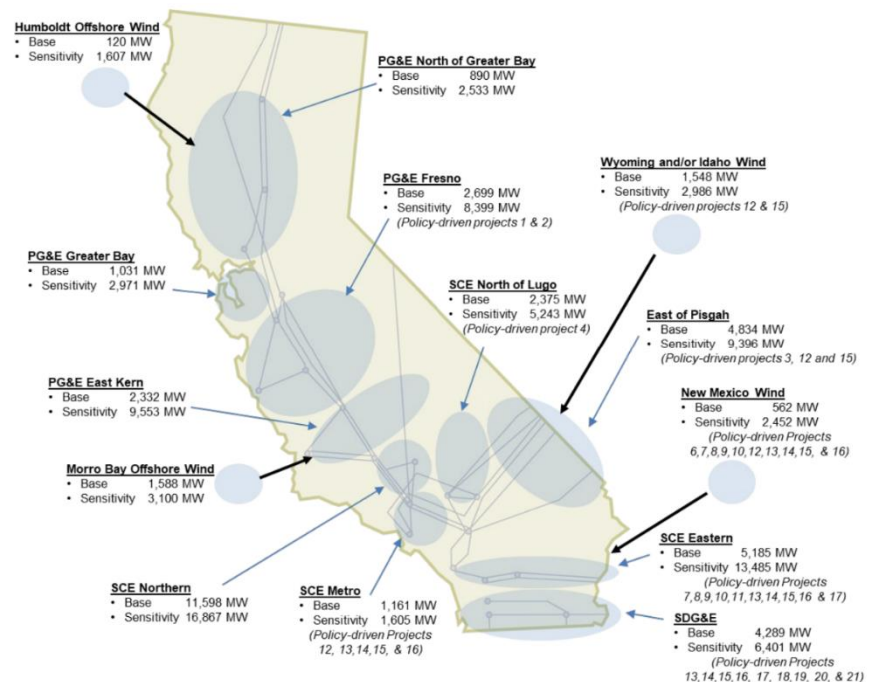
- Interregional projects only considered if comparing favorably to a regional solution to a regional need
- Costs shared in proportion to each region's share of total benefits (not capacity)



# The CAISO's 20 Year Transmission Outlook and 2022-2023 Transmission Plan identified the need for interregional coordination.

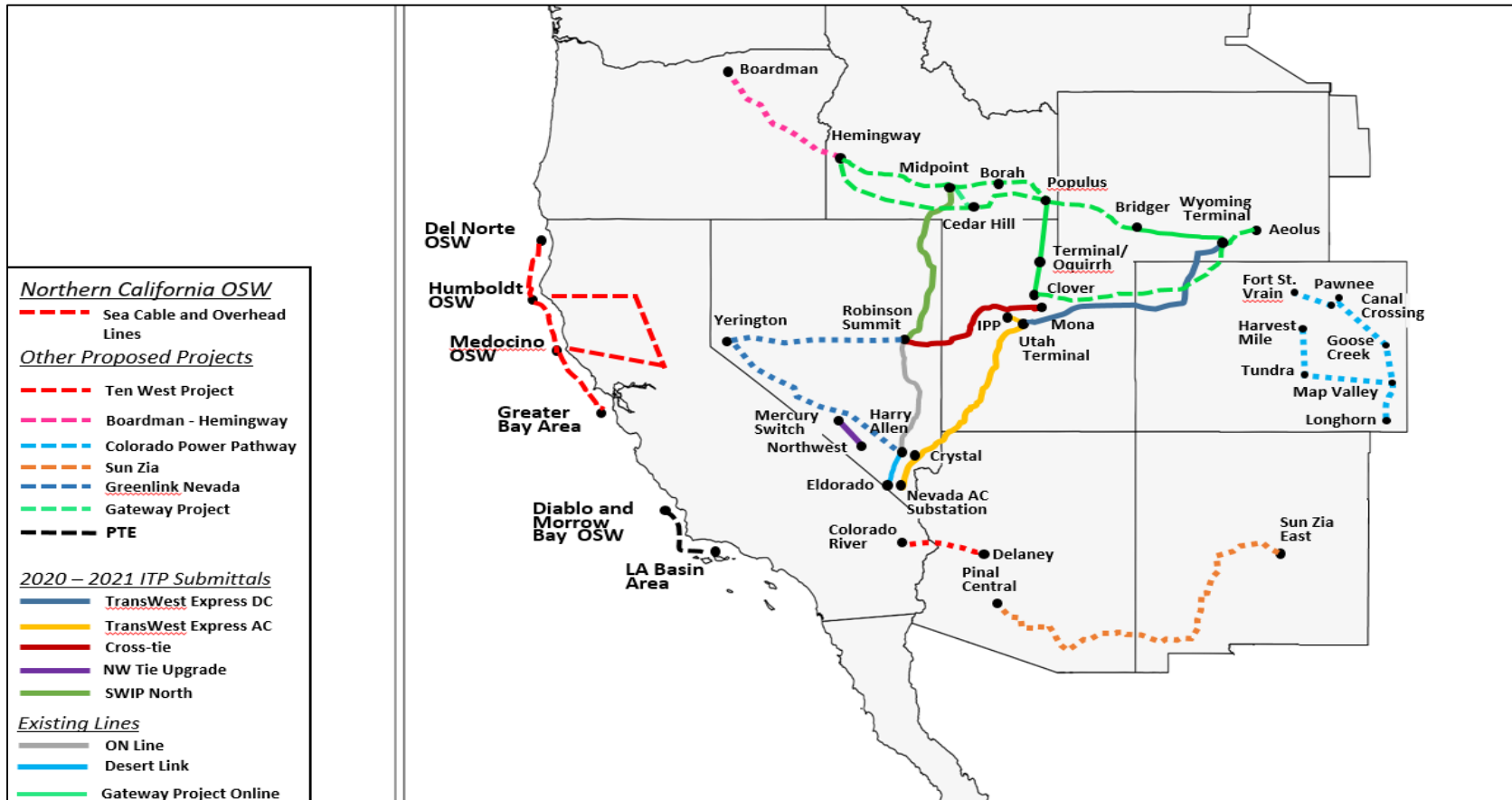


20-year Transmission Outlook (May 2022)



2022-2023 Transmission Plan

# Significant transmission development is needed for CAISO load to access regional renewables.



# We coordinate west-wide transmission planning on multiple tracks.

## Information-sharing to support west-wide study efforts

- FERC Order 1000 interregional coordination planning with WestConnect and Northern Grid
- DOE - congestion study, long term planning study, West Coast Offshore Wind transmission study
- WECC system planning studies
- NERC interregional transfer capability study
- Gridworks/Gridlab/PNNL Connected West initiative
- Western Transmission Expansion Coalition
- Western States Transmission Initiative (CREPC)

## Informal discussions with transmission planning peers

- Regional Transmission Planning Discussions

## Creative bilateral efforts to advance projects

- Subscriber PTO approach
- Other bilateral arrangements

## Monitor and engage in process reform

- WEIM education and engagement on transmission planning efforts
- FERC technical conferences
- Comments on FERC NOPRs
- DOE National Interest Electricity Transmission Corridor (NIETC) comments
- DOE Grid Deployment Office (GDO) loan program support

# Opportunities and challenges exist for west-wide transmission planning

Coordinate and collaborate to identify the most effective solutions

- Connectivity in the West is critical both to long-term planning and market opportunities.
- Effective dialogue is critical
- Interregional transmission planning needs to be coordinated with resource planning. We cannot wait until resources are developed and then look for opportunities
- We need tighter linkages between procurement processes and interconnection and planning processes for regional and interregional transmission
- Cost allocation discussions for ratepayer-recovered transmission facilities struggle with FERC Order 1000 one-size-fits-all cost allocation structure in place

Explore funding options to lower the delivered cost of electricity to consumers

- The ISO has had ample investor interest in competitively procured transmission

Be creative and flexible

- Develop and support new options like the subscriber transmission owner model