

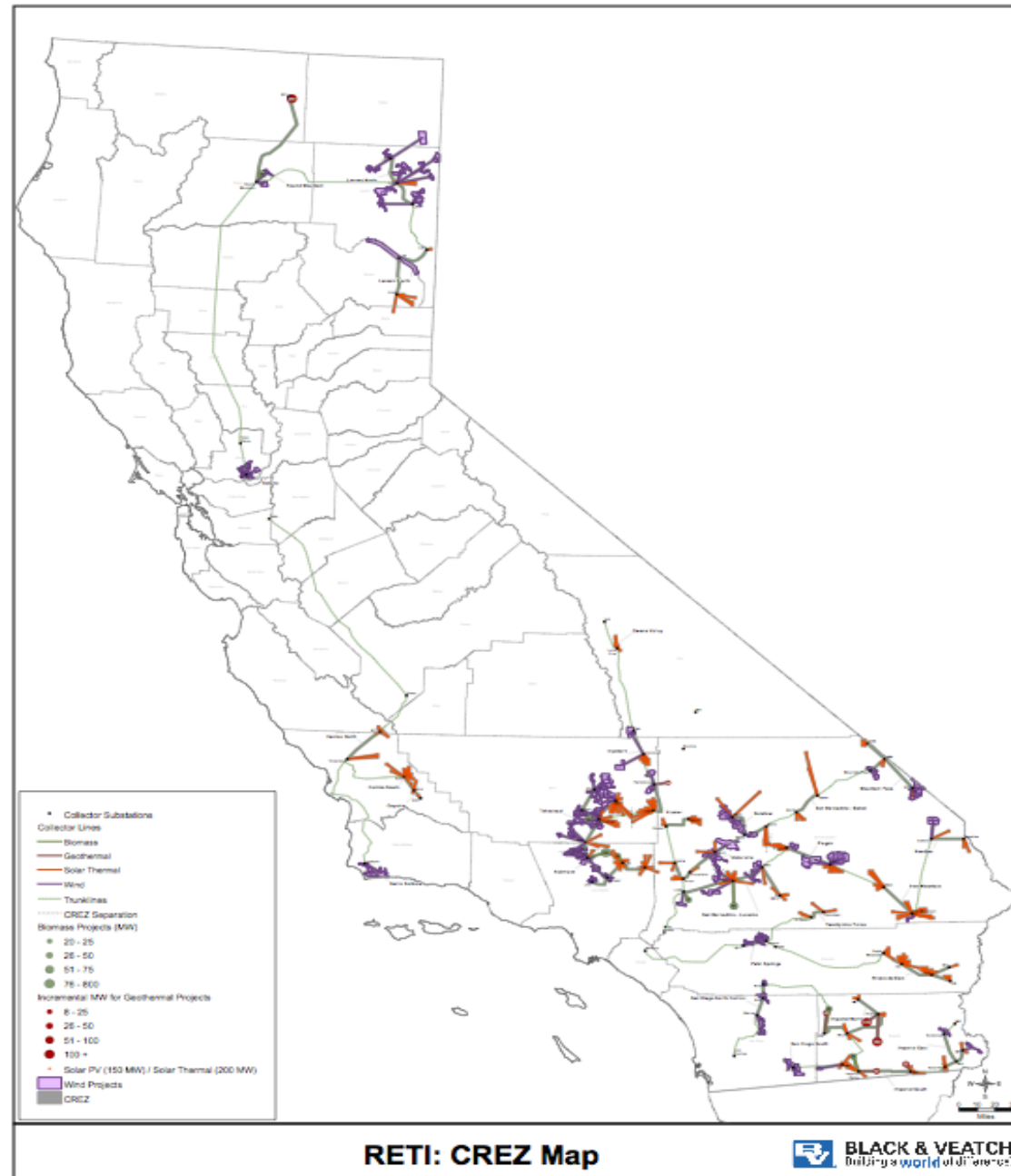
# Transmission and Market Integration in the Western US

“Energiewende made in the USA - What  
can we learn from California?”

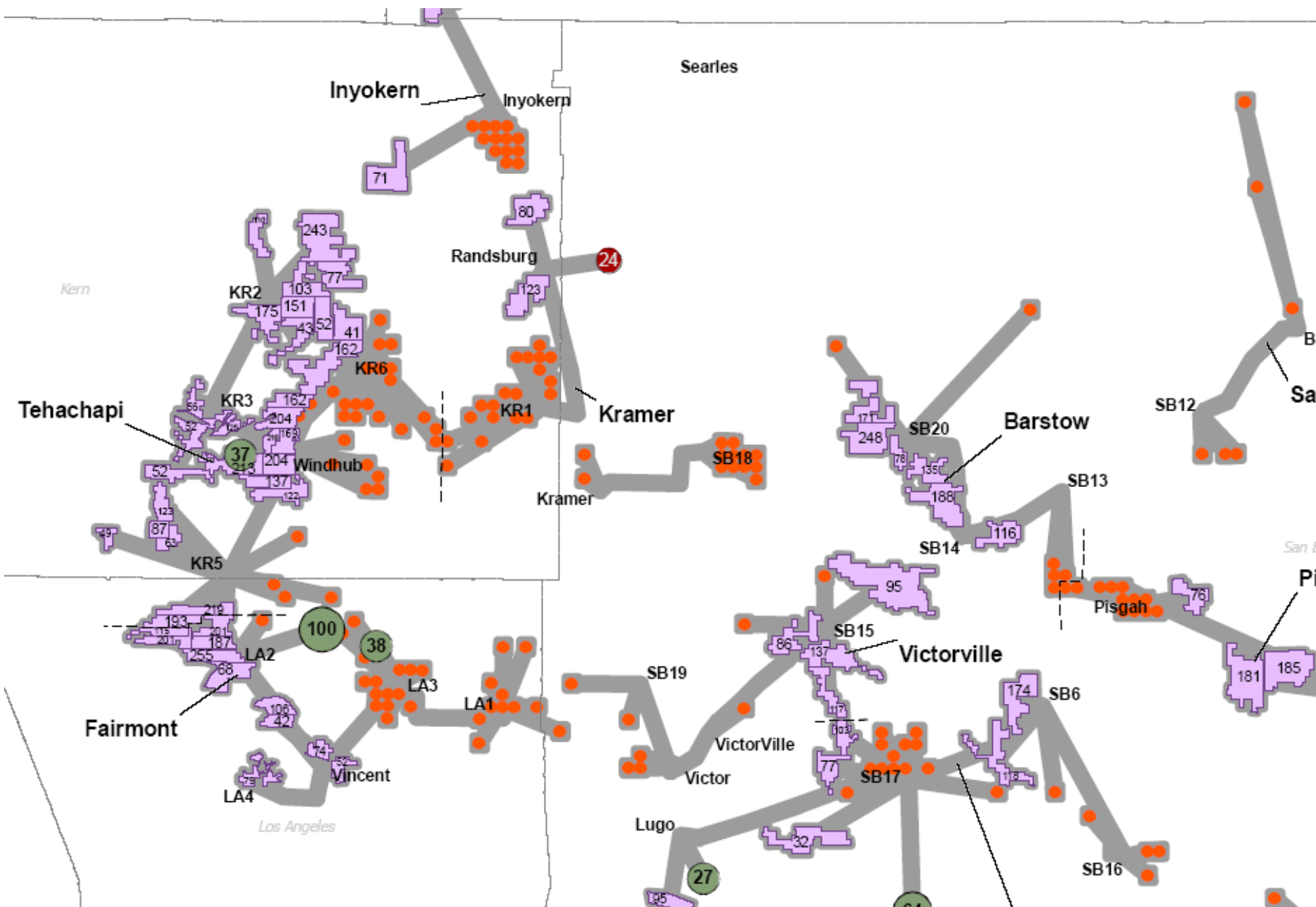
David Olsen, CAISO Board of Governors

5 December 2013

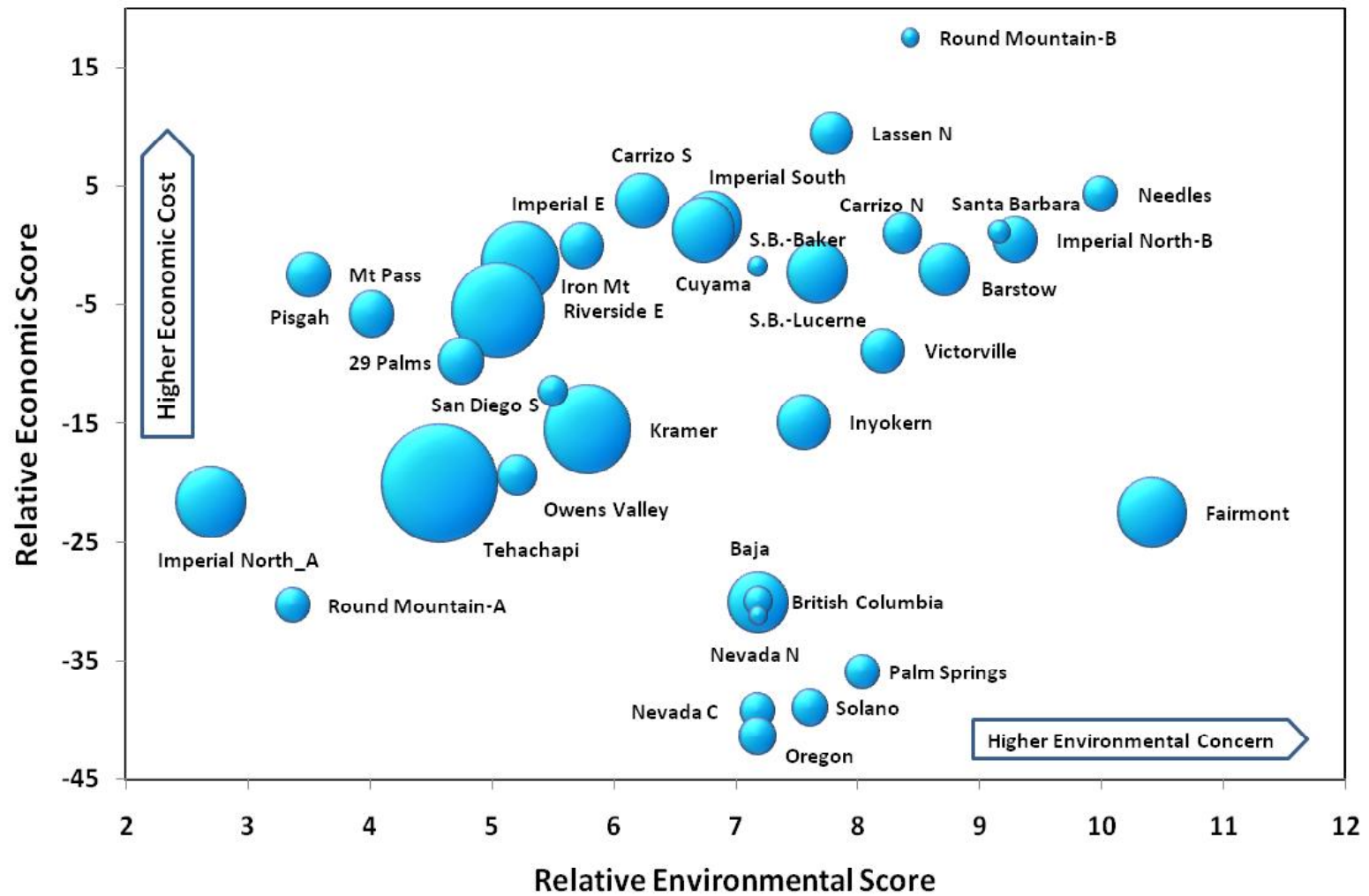
## Resulting 29 In-State CREZ



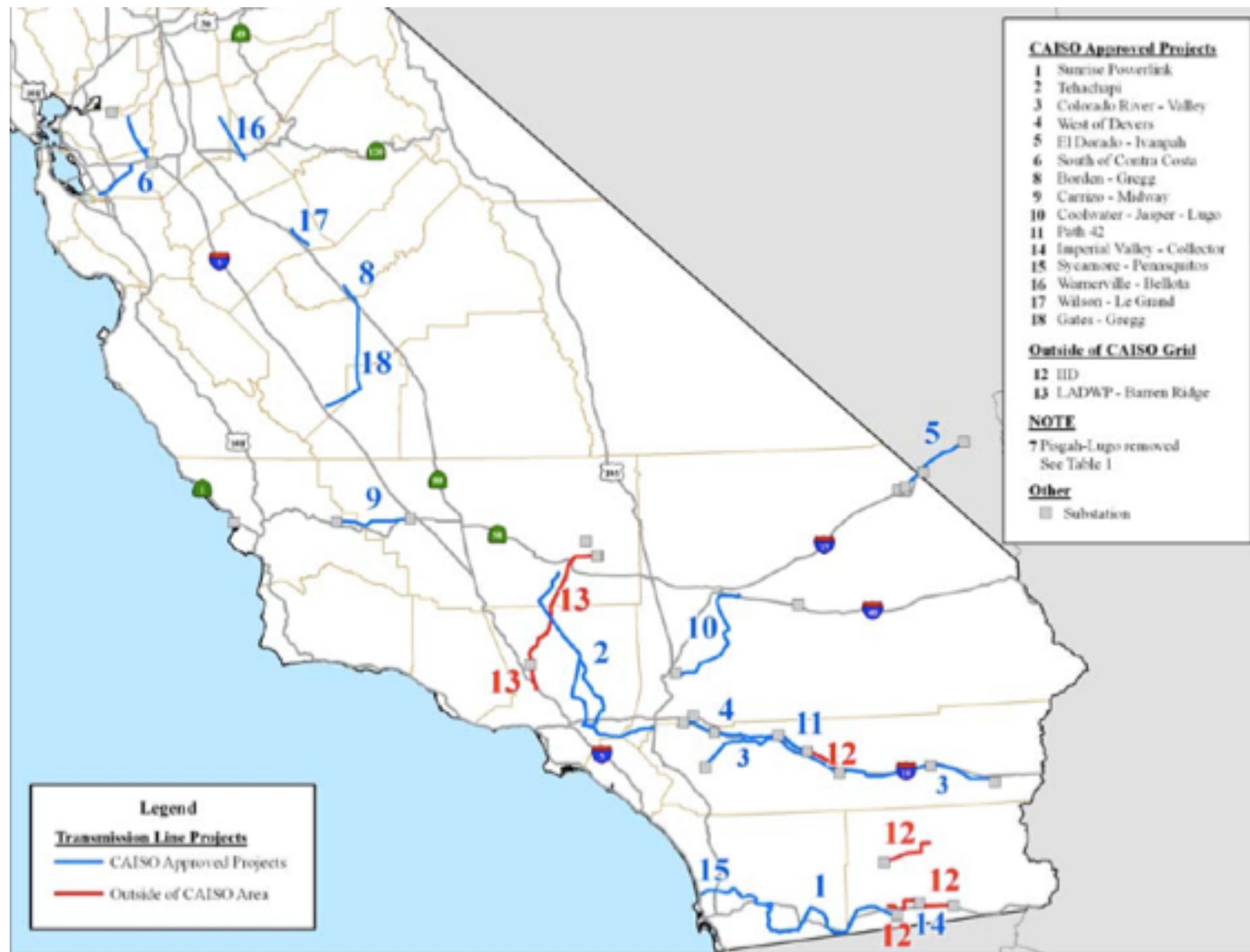
The map displays the distribution of 240 bird species across the Los Angeles basin. The species are represented by orange dots, with some species having multiple dots indicating their distribution in different areas. The map is divided into several regions, each labeled with a code: KR1, KR2, KR3, KR5, KR6, LA1, LA2, LA3, LA4, SB6, SB12, SB13, SB14, SB15, SB16, SB17, SB18, SB19, SB20, and SB21. Major cities shown include Los Angeles, San Diego, and San Francisco. The map also includes major highways and geographical features like the San Gabriel River and the San Joaquin River.



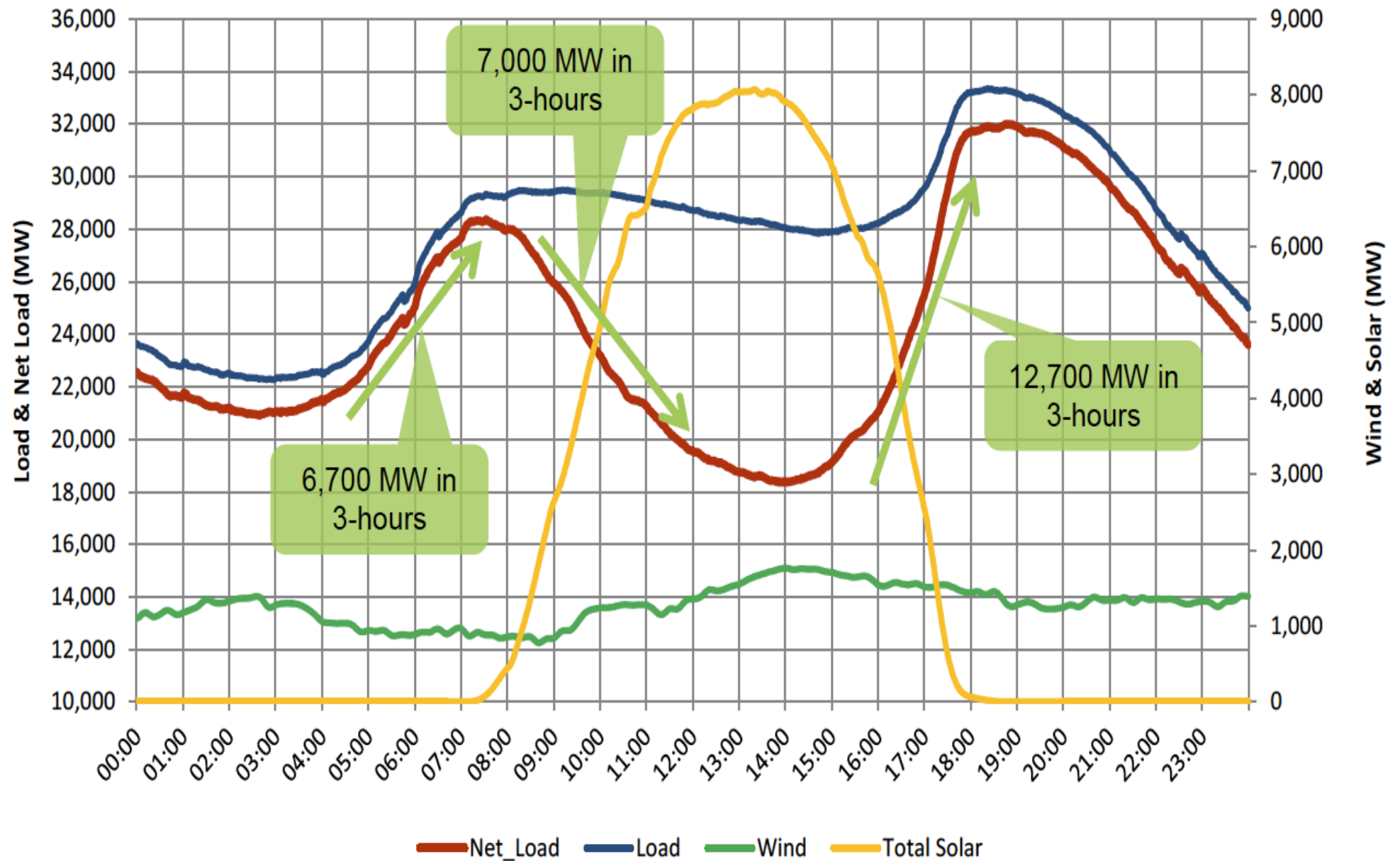
## CREZ Economic and Environmental Scores - Phase 2 (see accompanying notes)



# Outcome: Consensus Plan for Major Projects

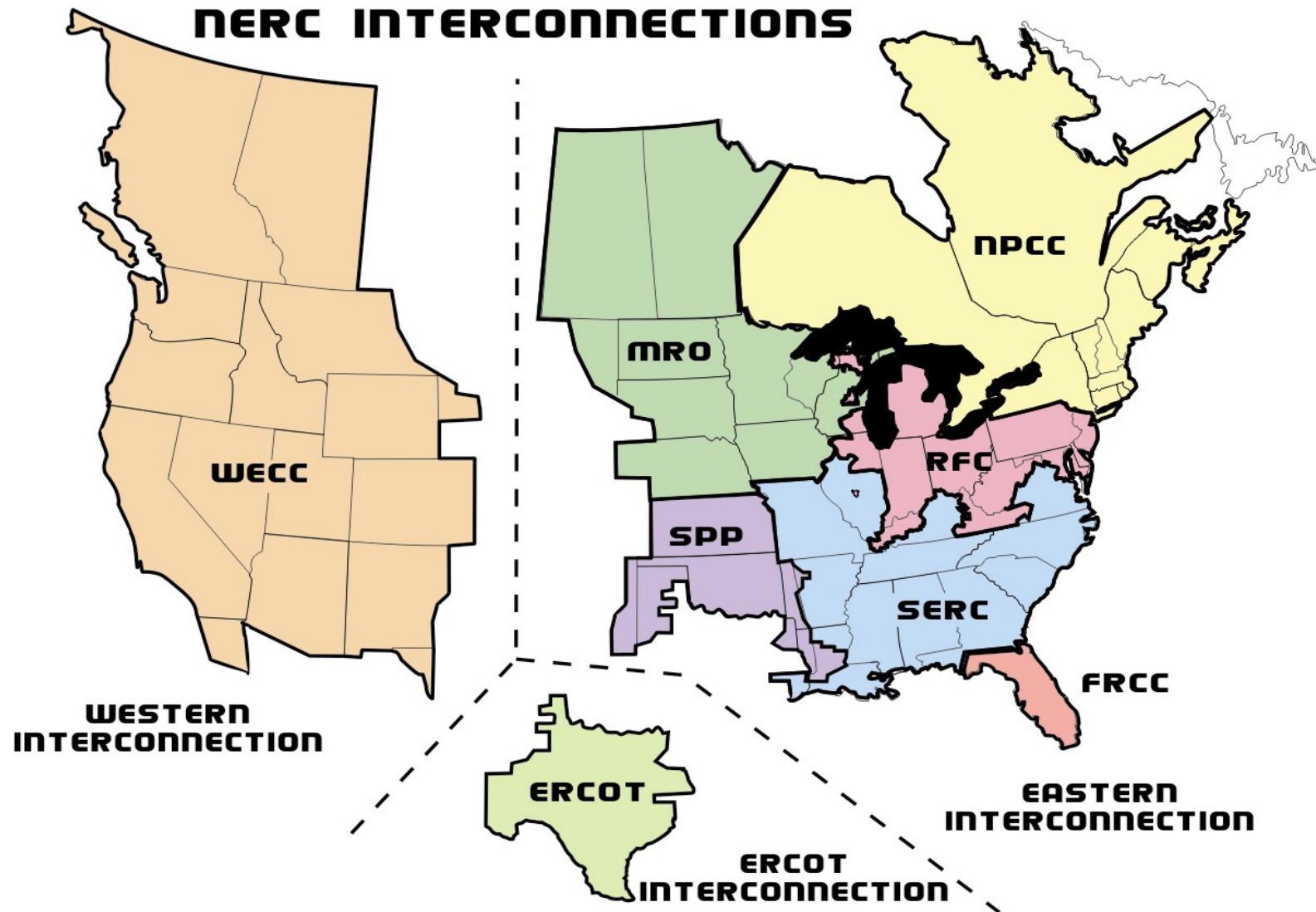


## January 2020



Single Market in Western US:  
Improve Reliability, Reduce Costs,  
Integrate Renewables

# 3 Interconnections / 8 NERC Regions

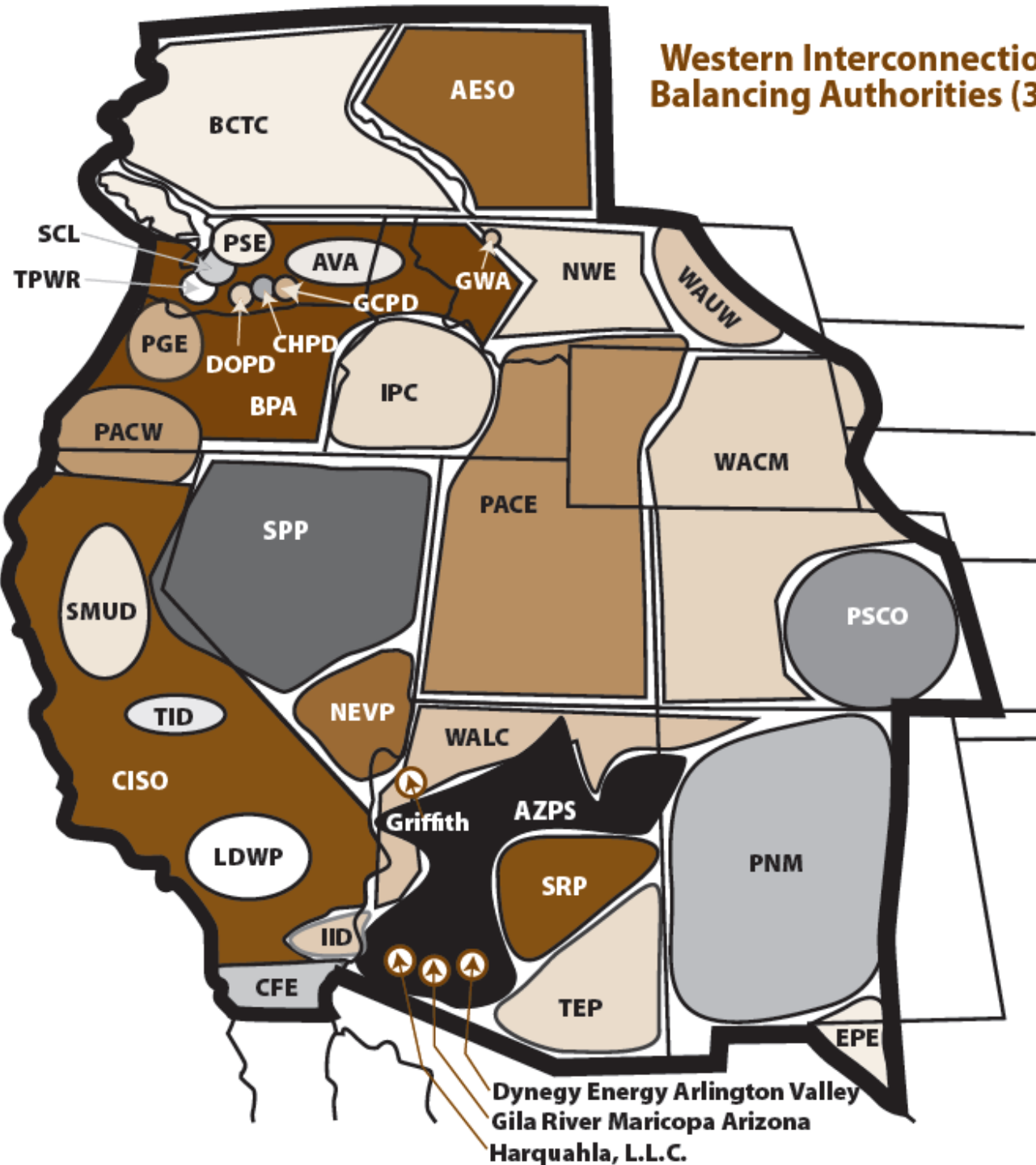


# Western Electric Coordinating Council (WECC)

- CA is one of 14 states within **WECC**
- Resource sharing enhances reliability, helps achieve renewable targets and manages cost
- 25% of all the electricity that keeps the lights on during the summer comes from other parts of the west including parts of Canada and Mexico



## Western Interconnection Balancing Authorities (37)



The California ISO is one of 9 independent system operators/ regional transmission operators (ISOs/RTOs) in North America.

