



Resource Adequacy in the Western Interconnection

NWGA Annual Energy Conference
June 11-13, 2024

Branden Sudduth, VP of
Reliability Planning and
Performance Analysis

WECC Western Assessment of Resource Adequacy

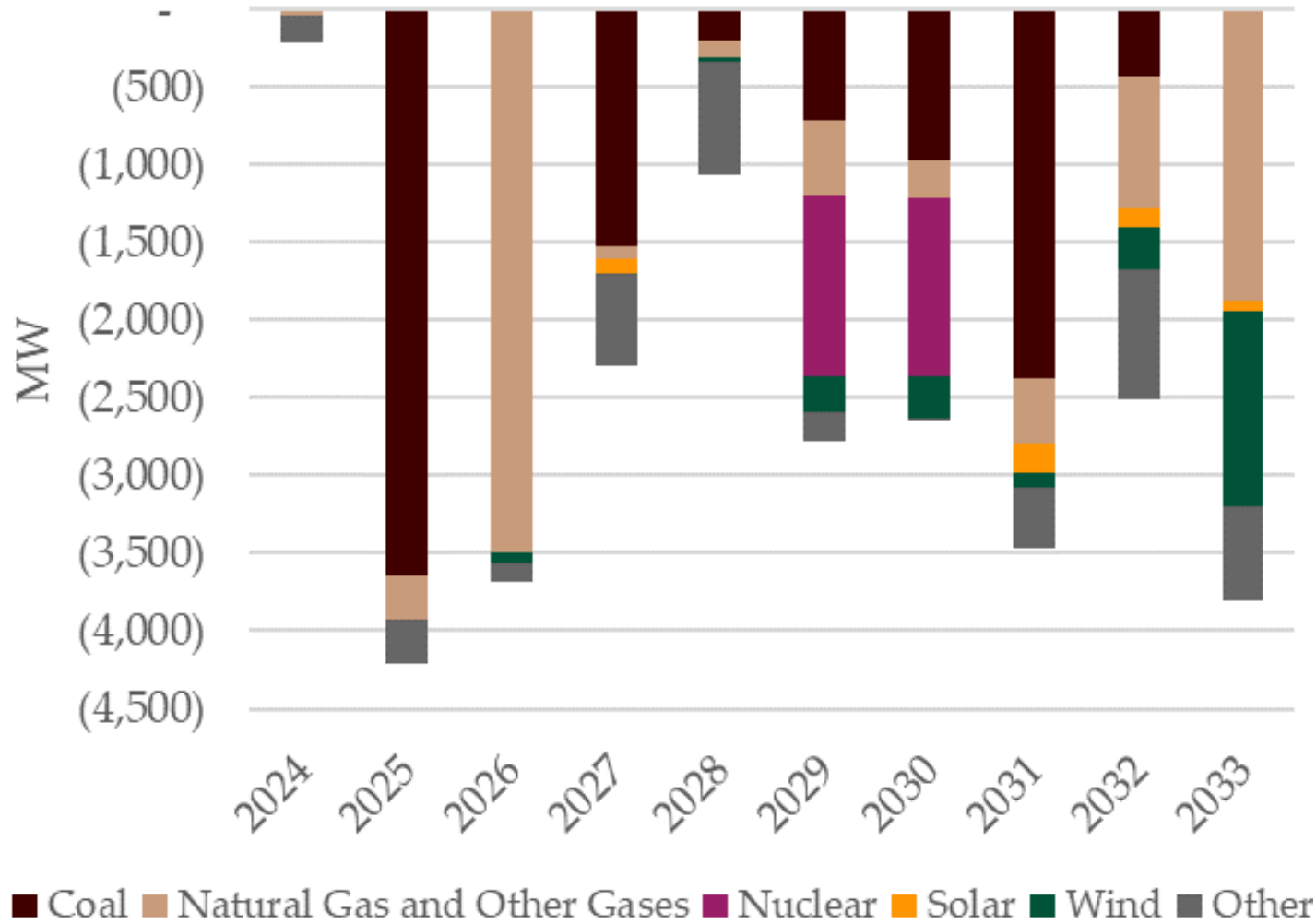
- Resource and demand variability increasing
- Resource additions (and retirements) coming at an unprecedented rate
- High load growth expected over the next several years



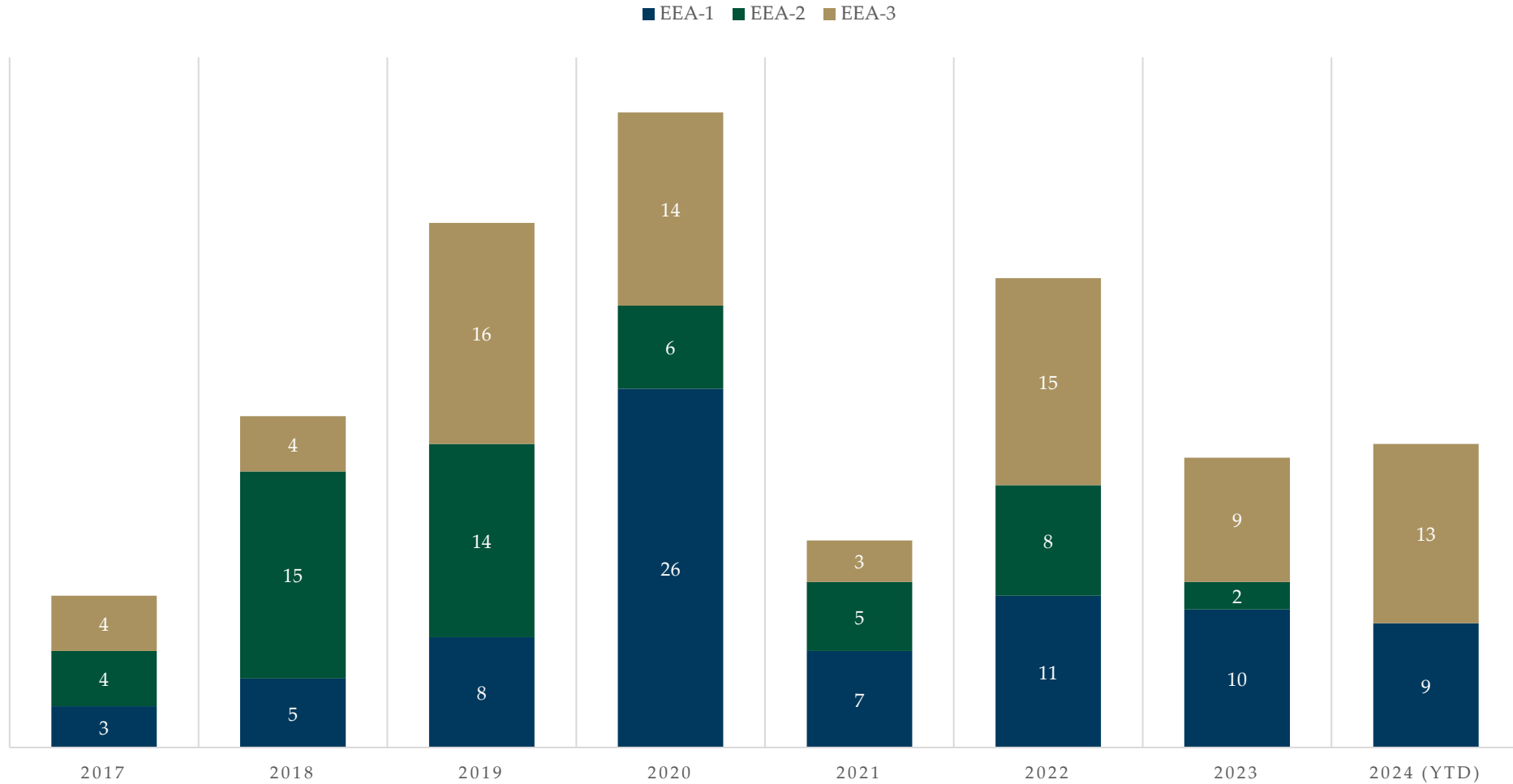
 OVERVIEW 

LEARN MORE

Projected Resource Retirements



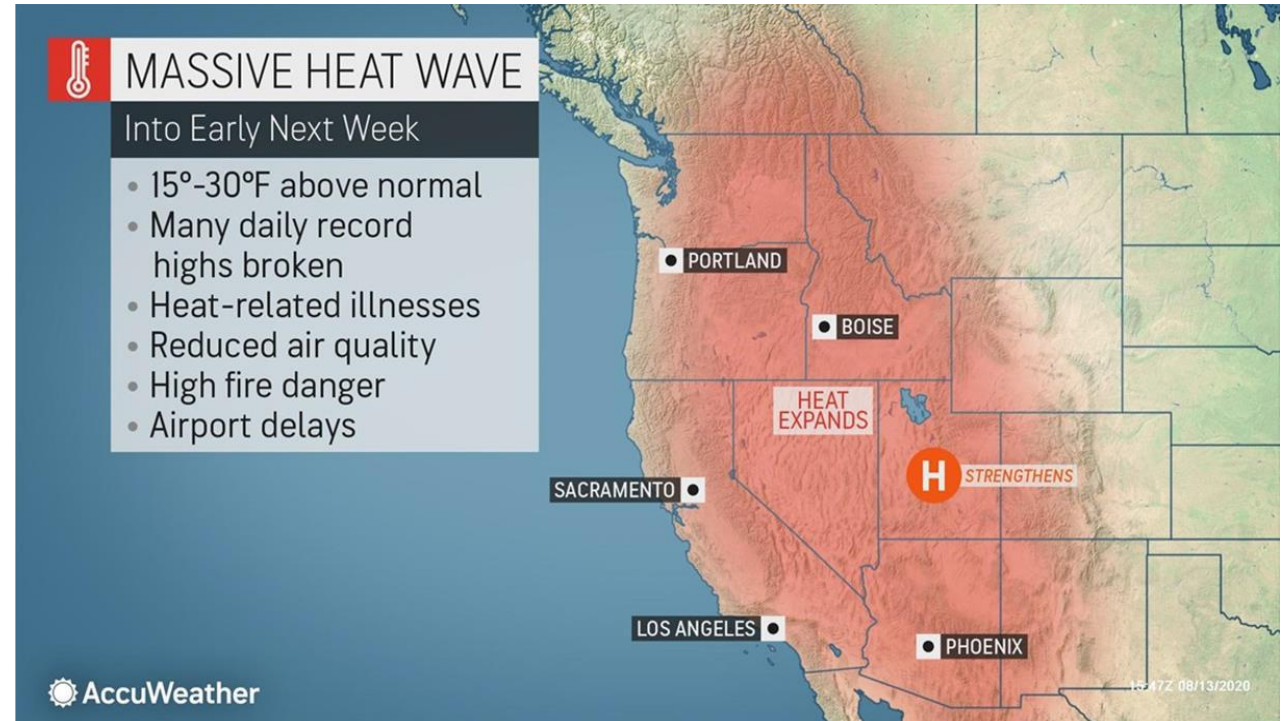
Energy Emergency Alert (EEA) Event Trends



*2024 data as of June 3, 2024

Case Study: August 2020 Heat Wave Event

- Extremely hot conditions across the West (widespread and long-duration)
- Firm load was shed on Aug 14 (1,087 MW) and Aug 15 (692 MW)
- Energy imports affected



Source: <https://www.abc10.com/article/weather/accuweather/heat-wave-weather-forecast-western-us/507-f22bddea-cbed-4122-9828-0d60ae22a887>



Electric Reliability and Security for the West

www.wecc.org