

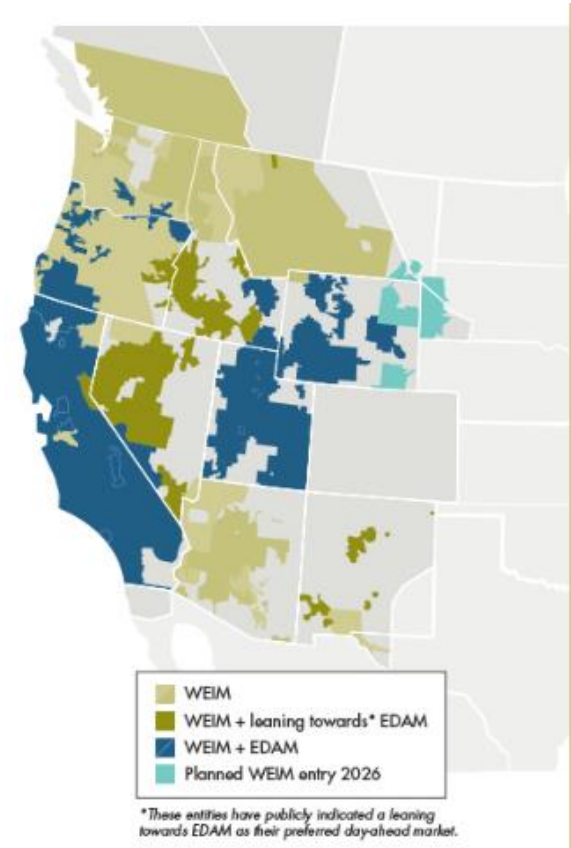


Pathways Regional Market Initiative

Senate Informational
Hearing
March 13, 2025

Energy Markets are Expanding

- The Extended Day-Ahead Market (EDAM) is an effort to extent the DAM optimization throughout the EIM footprint
- Proposed benefits:
 - Increased reliability benefits
 - Economic efficiency benefits
 - Environmental benefits
- Timing and Participation
 - Estimated launch in 2026
 - Current Participants: PacificCorp (2026), PGE (2026), BANC (2027), LADWP (2027)



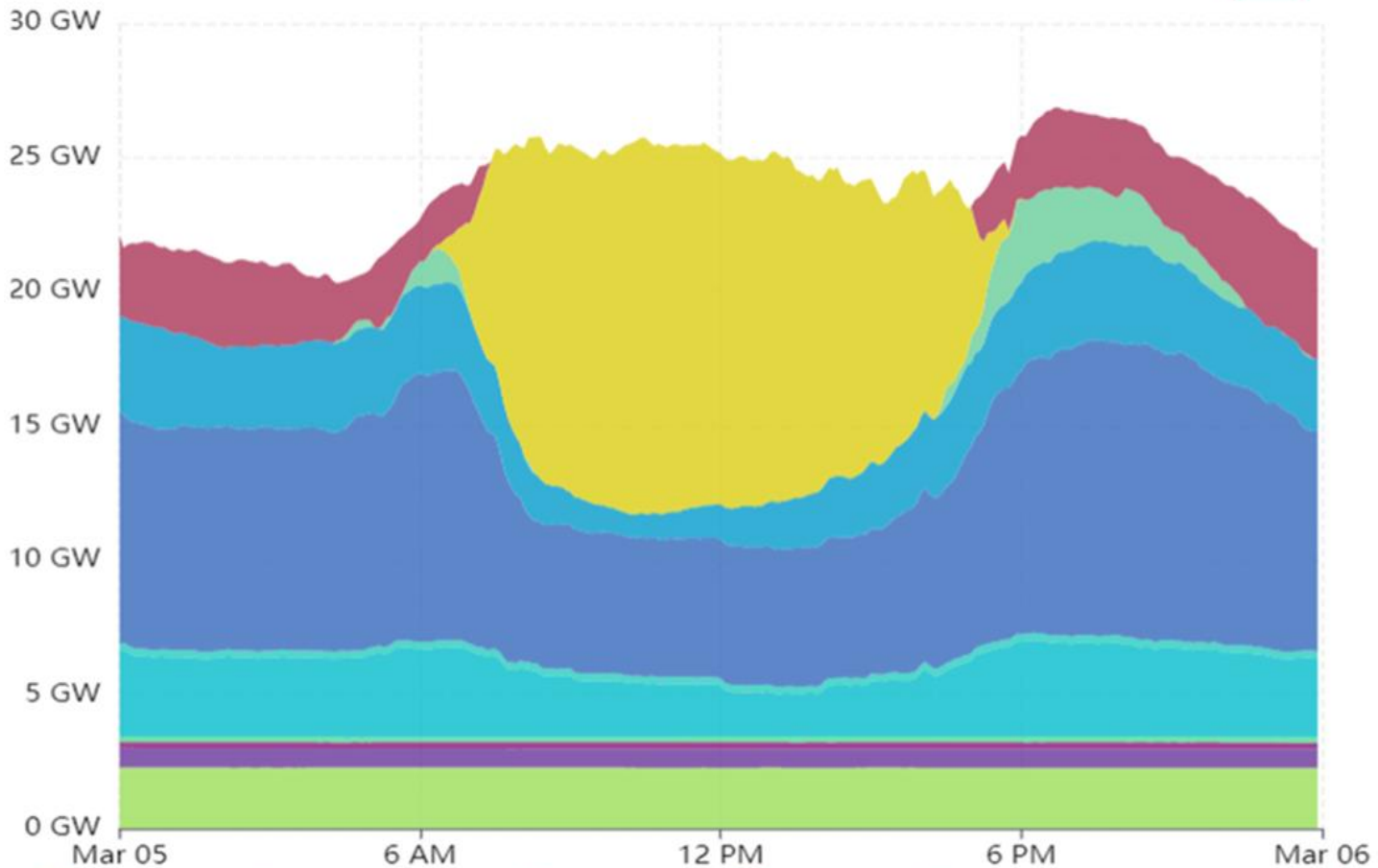
Elements of Pathways Proposal

- **Voluntary participation structure** – participants may engage in both EDAM and WEIM, or only WEIM
- **Low cost to participate** – using CAISO’s existing optimization platform and resources
- **Daily resource sufficiency evaluation** – to ensure reliable operations of the grid
- **Intent to maximize use of available transmission** – enable seamless energy transfers across areas
- **Support greenhouse gas reduction goals** – is designed to support goals regarding GHG reduction programs

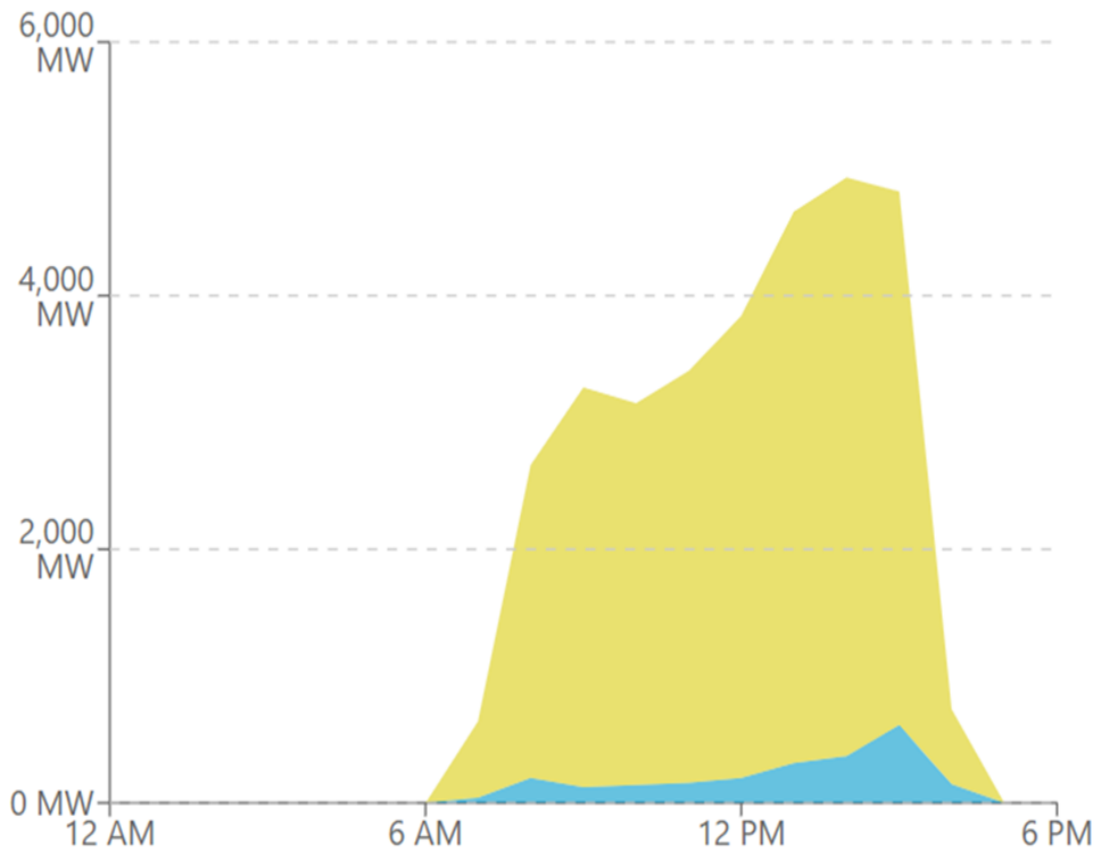
How will CA POUs be Impacted?

- Market diversification
 - As California continues to strive to achieve carbon free goals, the resources being developed in California are less diversified (solar and BESS)
 - This introduces greater risk of over generation conditions, reduced reliability, and affordability concerns
 - Geographic diversity
 - Timing of solar and wind production will vary more greatly over a larger geographic footprint
 - Bilateral market liquidity has reduced over time (more counterparties are transacting directly through the market); as such, expanding the market may support great counterparty access and diversity

Fuel Mix - CAISO



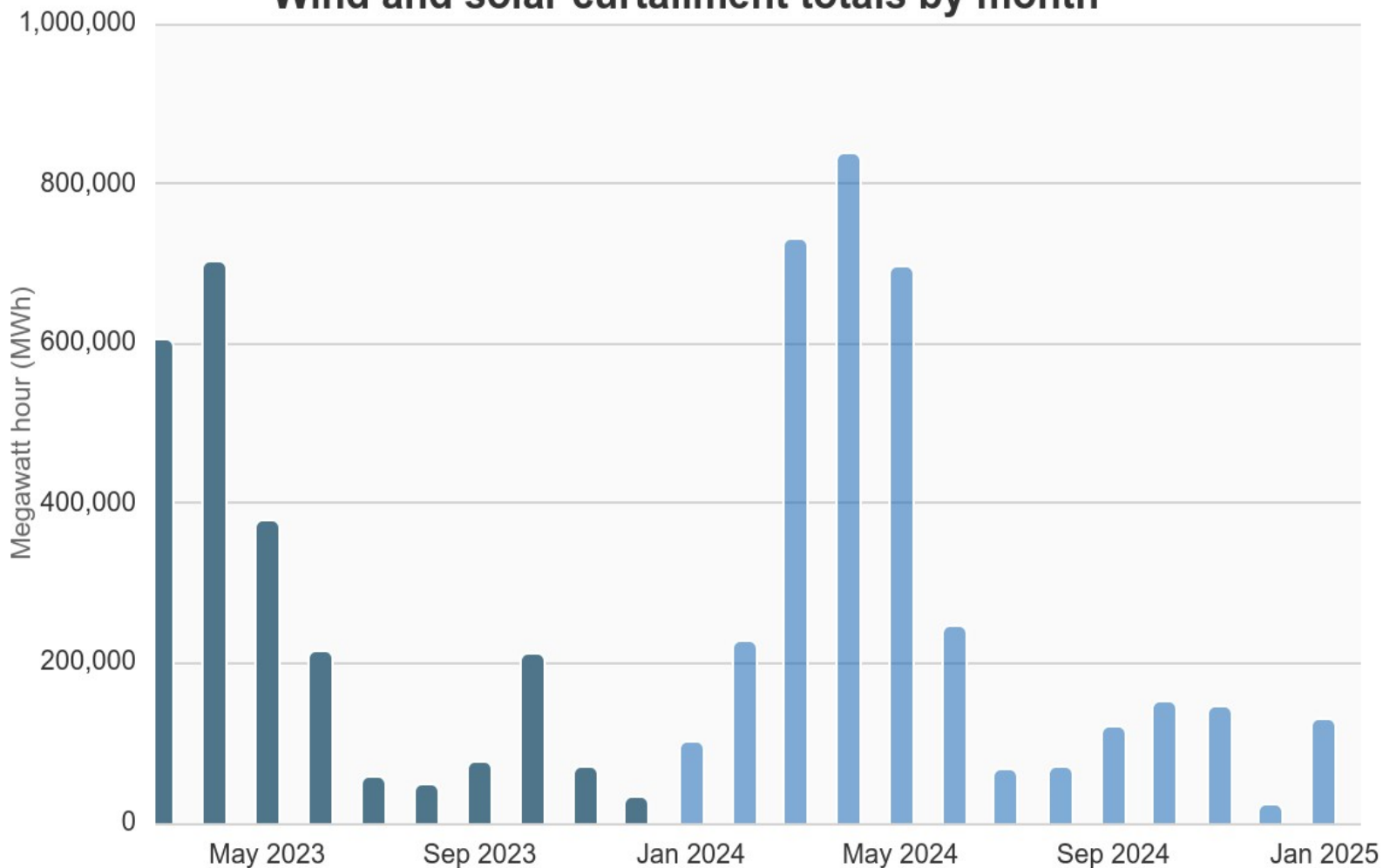
Curtailment - CAISO

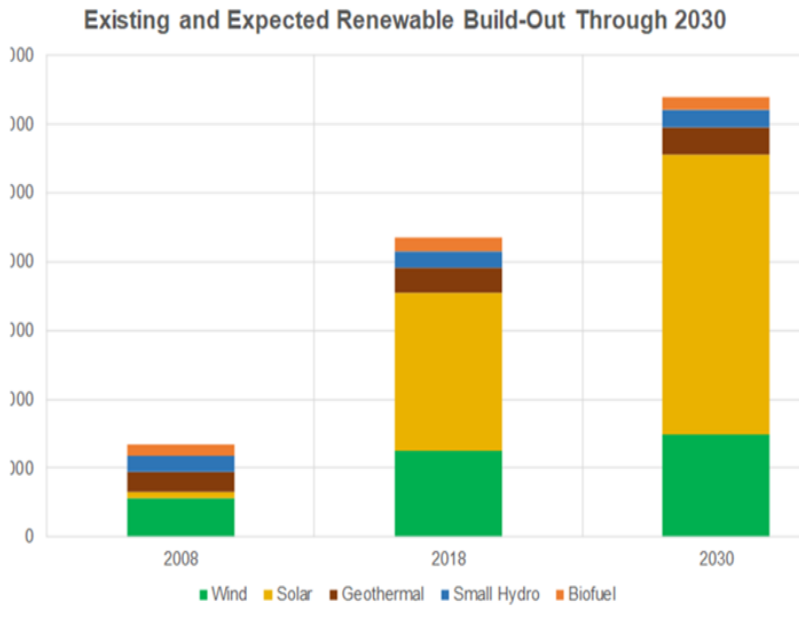


Wind Curtailment Solar Curtailment

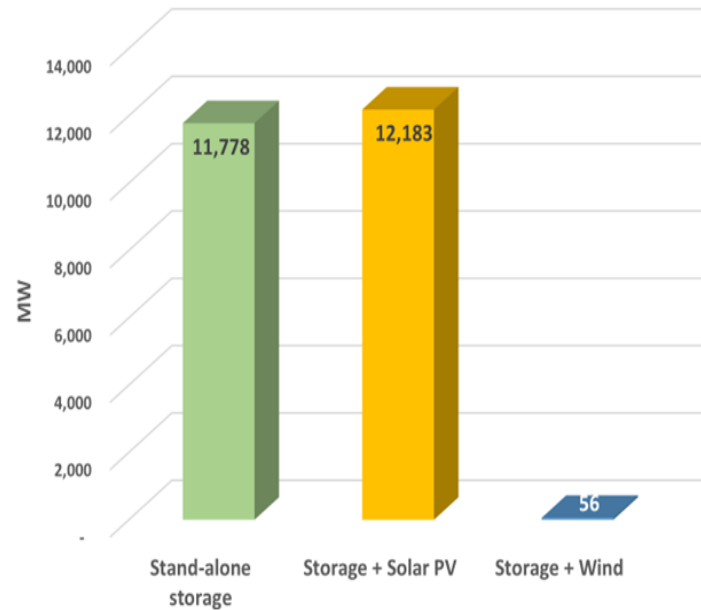
Source: CAISO, GridStatus.io. Data is released around 10am PT for the previous day

Wind and solar curtailment totals by month





Types of Energy Storage Projects Active in CAISO's Generation Interconnection Queue



Growth of renewables to achieve 60% by 2030 is expected to be largely solar, collocated with storage