

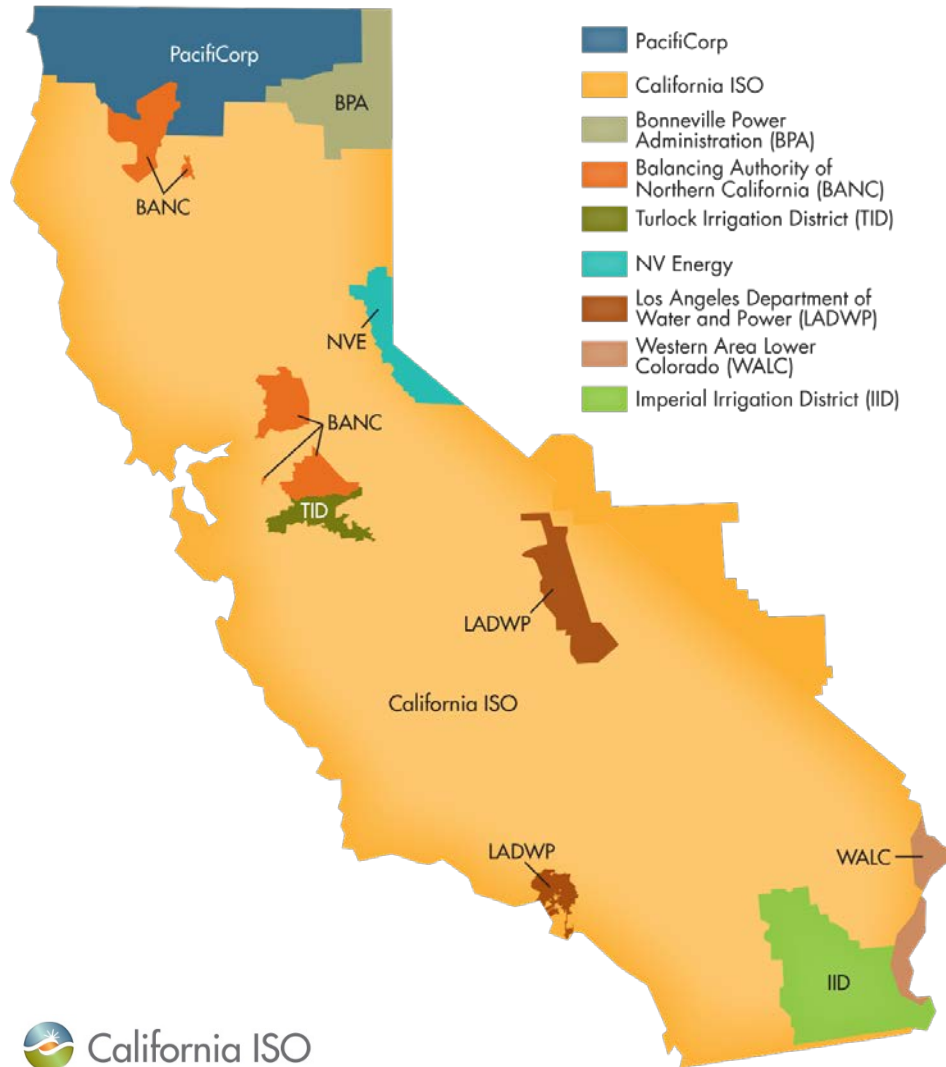


The benefits of collaboration in the western US

Collaboration on Long Distance Transmission in the Western United States – a California Perspective

Stacey Crowley, Vice President External and Customer Affairs
18 October, 2019

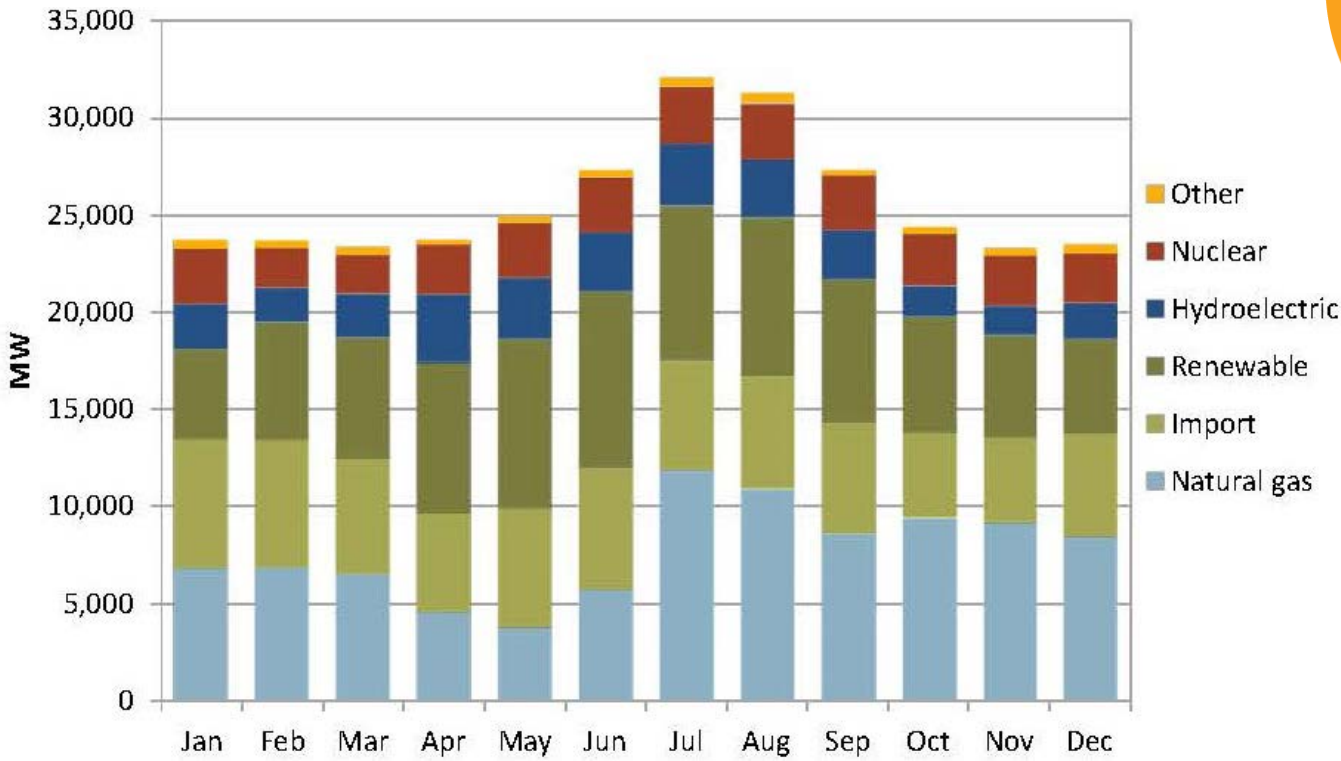
California ISO footprint is about 80% of California and small portion of Nevada



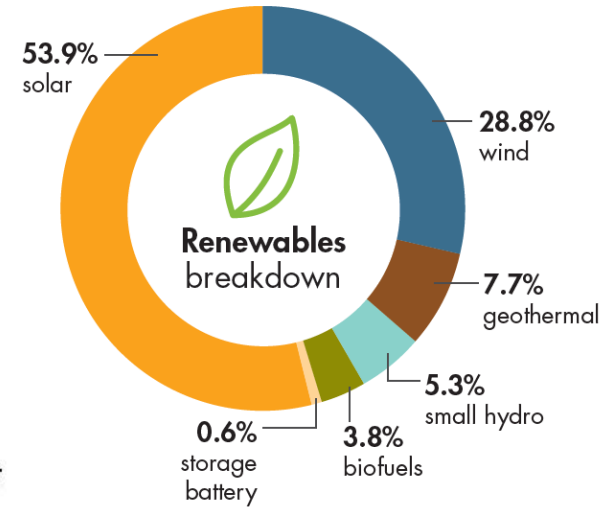
- **50,898** MW net qualifying capacity
- **50,270** MW record peak demand
- **32,000** market transactions daily
- **26,000** circuit-miles of transmission lines
- **30 million** people served

The California ISO typically imports about 25% to meet its needs

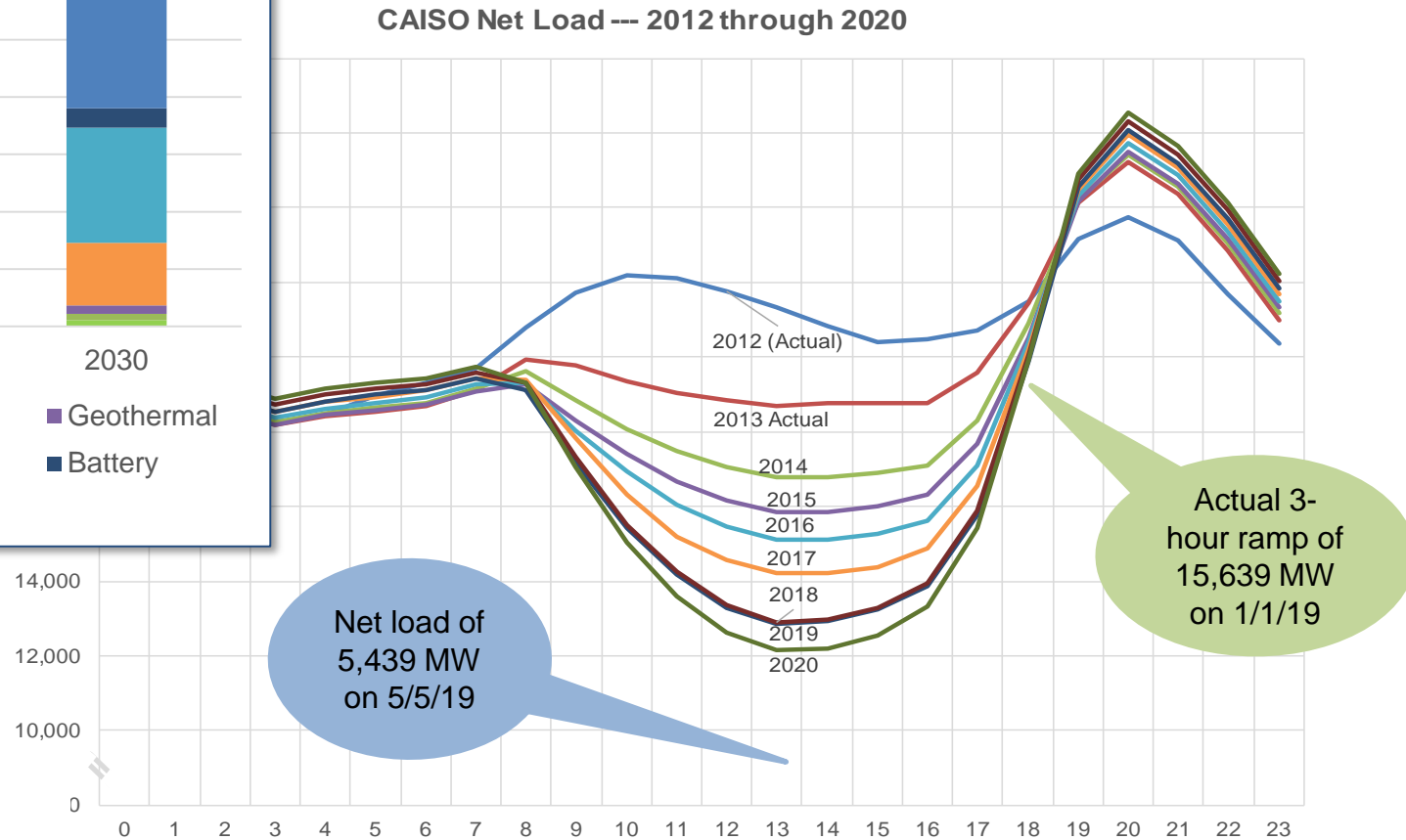
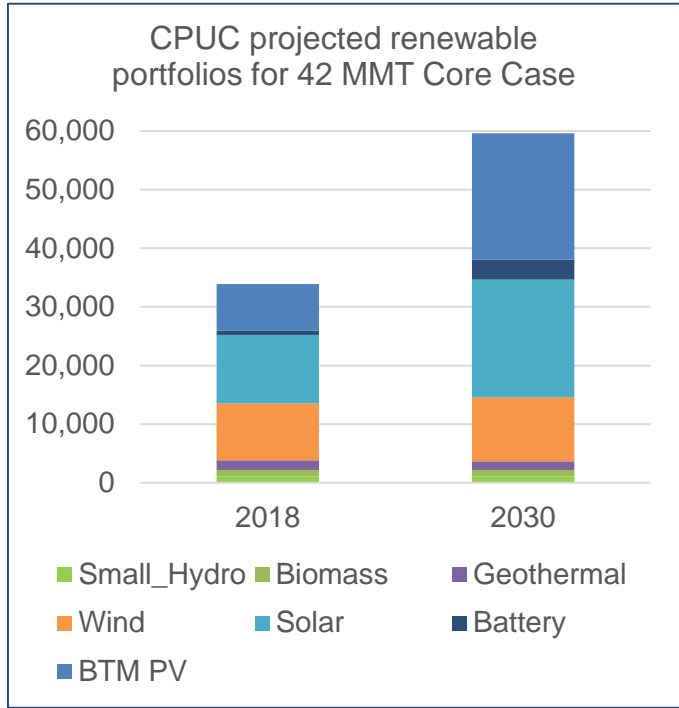
Average hourly generation by month and fuel type in 2018



Renewables as of 10/10/2019

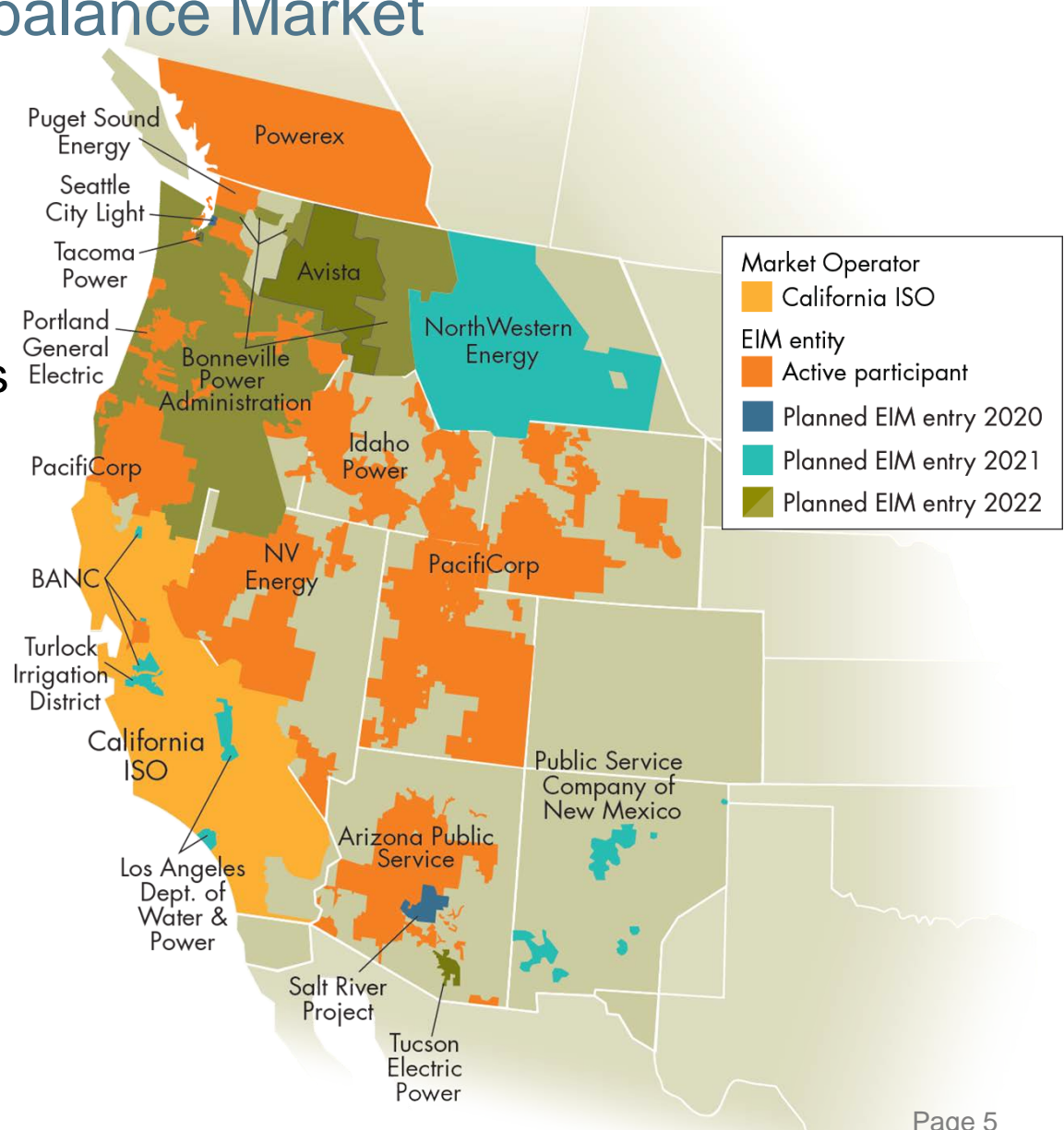


Growth of renewables to achieve 60% by 2030 is expected to be largely solar

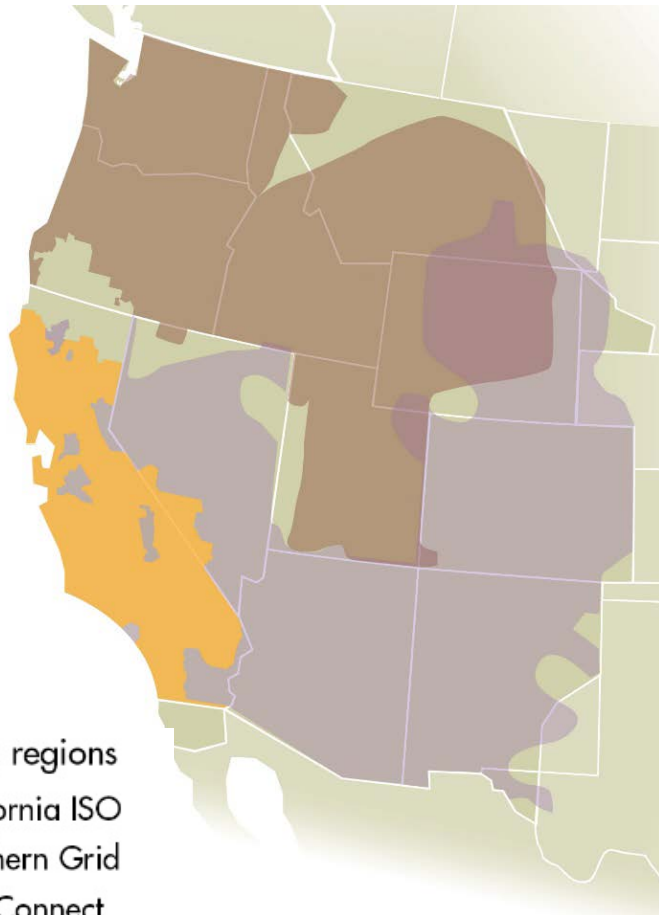


Western Energy Imbalance Market

- Leverages geographic and resource diversity in real time
- Voluntary market across 10 states comprising almost 80% of the load in the west
- Provides reduced need for flexible reserves
- Integrates renewable energy and reduces GHG



The California ISO participates in planning and coordination between regions



Planning regions

- California ISO
- Northern Grid
- WestConnect

