

DOCKETED	
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Grid operations in the context of AB 3232

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Director, California Regulatory Affairs

California Independent System Operator

Commissioner Workshop on Building Decarbonization Assessment

December 4, 2019

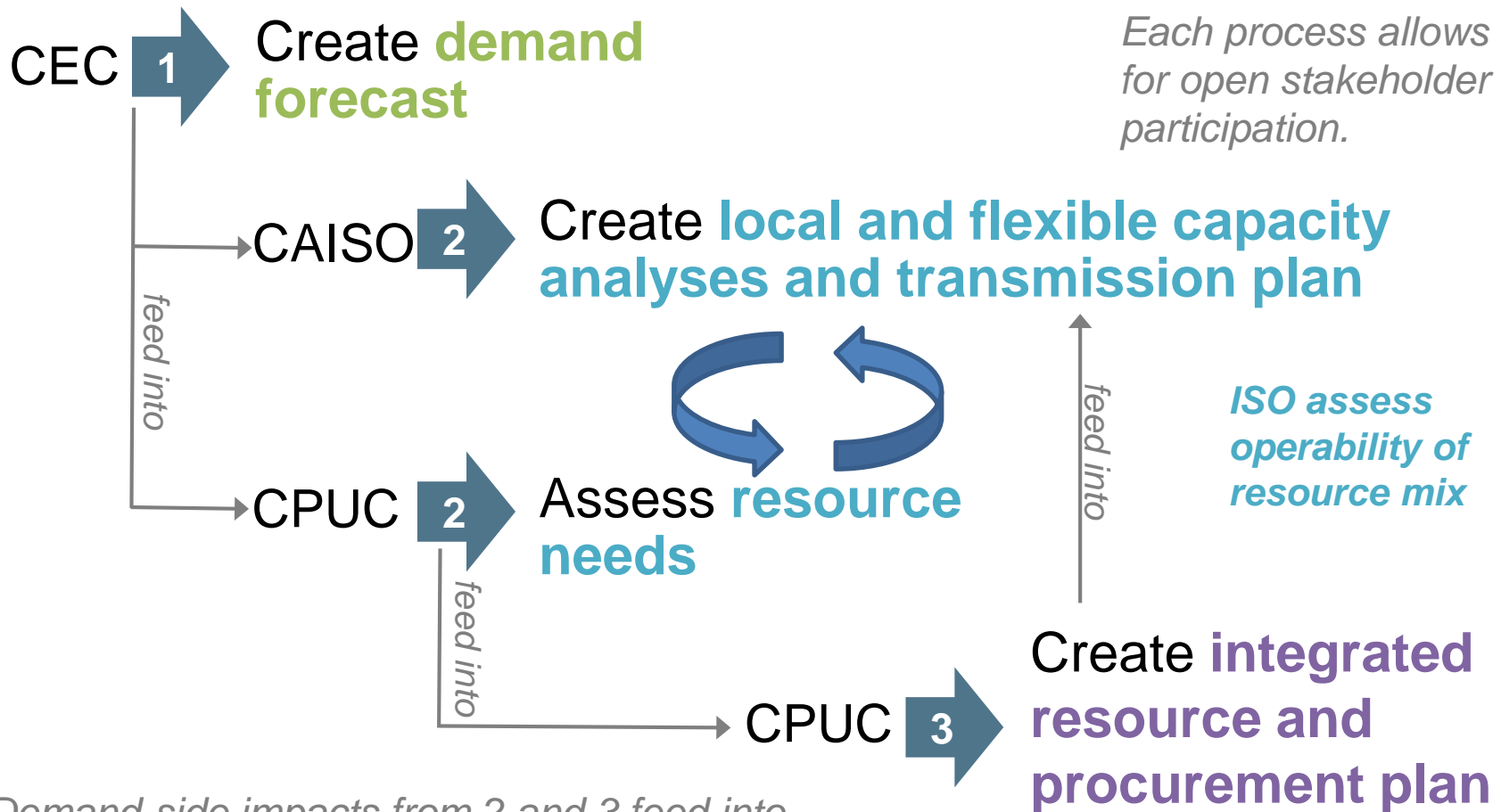
The California Independent System Operator (CAISO) has several roles

- **Balancing Authority**
 - Balance supply and demand, maintain reserves, plan for outages, ensure system security
- **Regional Transmission Planner**
 - Transmission planning across investor owned utilities, municipal utilities, independent transmission owners
- **Market Operator**
 - The only wholesale energy market operator in the western United States
 - Operator of the Western Energy Imbalance Market
- **Reliability Coordinator**
 - For majority of California and soon will cover 87 percent of the load in the western United States

The CAISO is NOT:

- Load serving entity
 - Does not procure resources to serve load or meet resource adequacy requirements
- Transmission or generation owner
 - Not responsible for performing physical switching and maintenance
- Distribution system owner or planner
 - Not responsible for performing physical switching and maintenance or expansion planning
- Utility regulator

The CAISO is uniquely positioned to address reliability and already works closely with state agencies



Demand-side impacts from 2 and 3 feed into next CEC demand forecast cycle

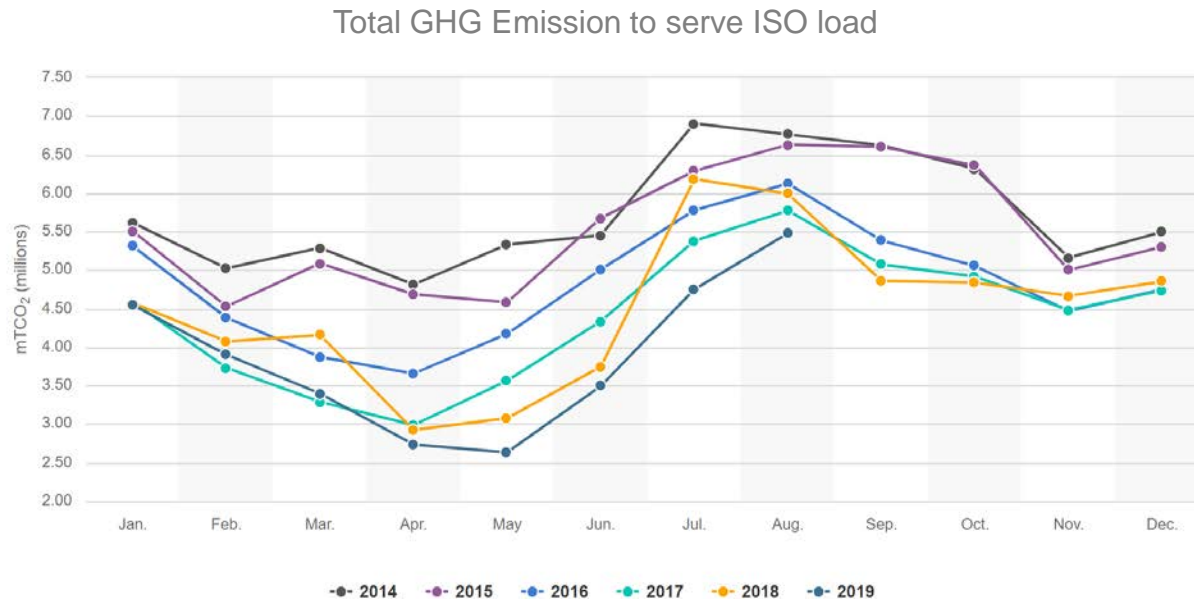
The CAISO supports California's clean energy goals while maintaining reliability

33% RPS
achieved ahead
of 2020 target

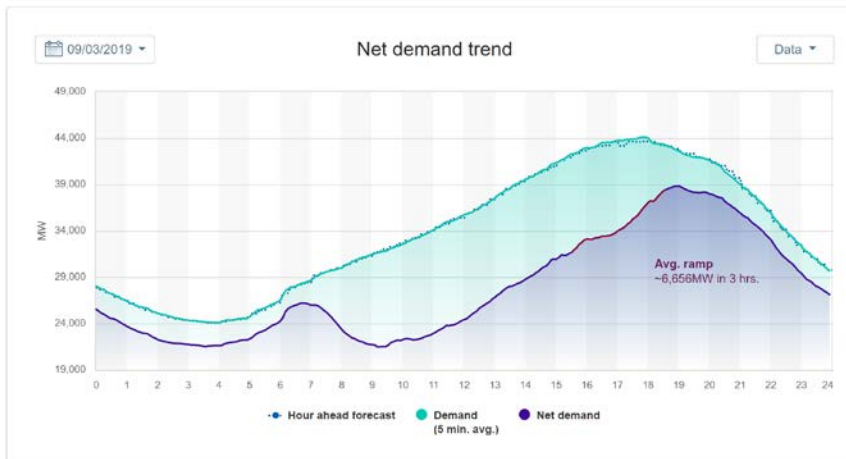
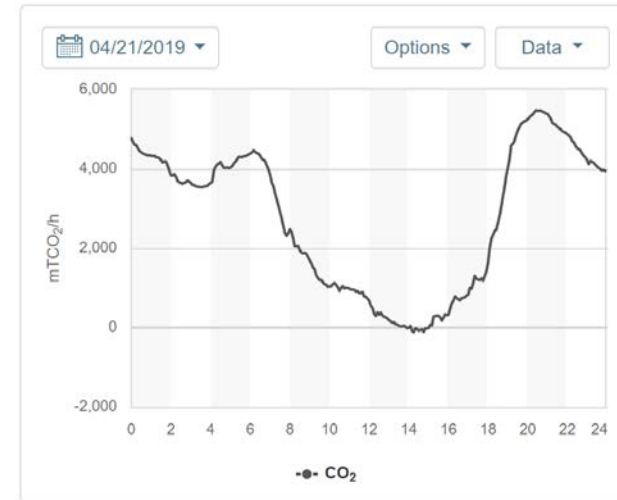
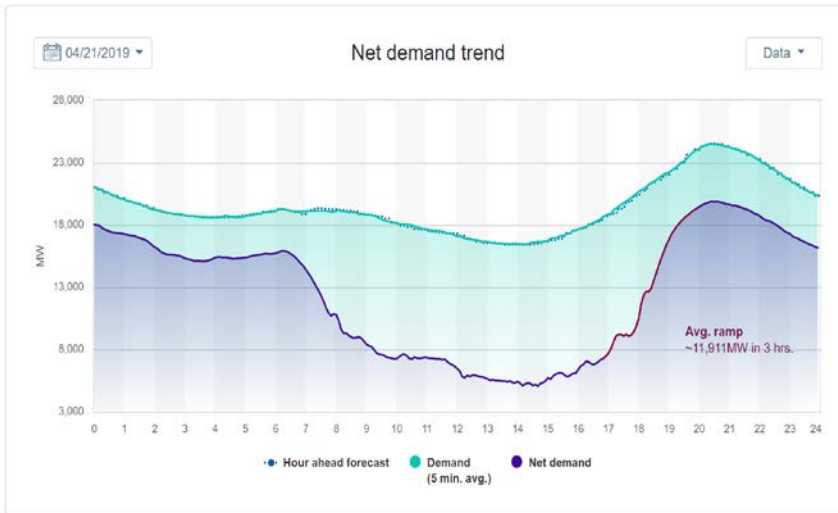
78%
highest load level served
by renewable energy

98.7%
highest load level served
by carbon-free resources

32% Reduction in GHG Emission associated with serving ISO since 2014
(as of November 2019)



Grid operations and needs signal opportunity for decarbonization



Source: <http://www.caiso.com/TodaysOutlook/Pages/default.aspx>