

DOCKETED

Docket Number:	19-SB-100
Project Title:	SB 100 Joint Agency Report: Charting a path to a 100% Clean Energy Future
TN #:	230343
Document Title:	Presentation - SB100 Stakeholder Presentation Panel
Description:	Presentation by Delphine Hou, California Independent System Operator
Filer:	Harinder Kaur
Organization:	California ISO
Submitter Role:	Public
Submission Date:	10/24/2019 2:10:26 PM
Docketed Date:	10/24/2019



SB100 Stakeholder Presentation Panel

Delphine Hou

Director, California Regulatory Affairs

California Independent System Operator

Northern California SB100 Scoping Workshop

October 25, 2019

Redding, California

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

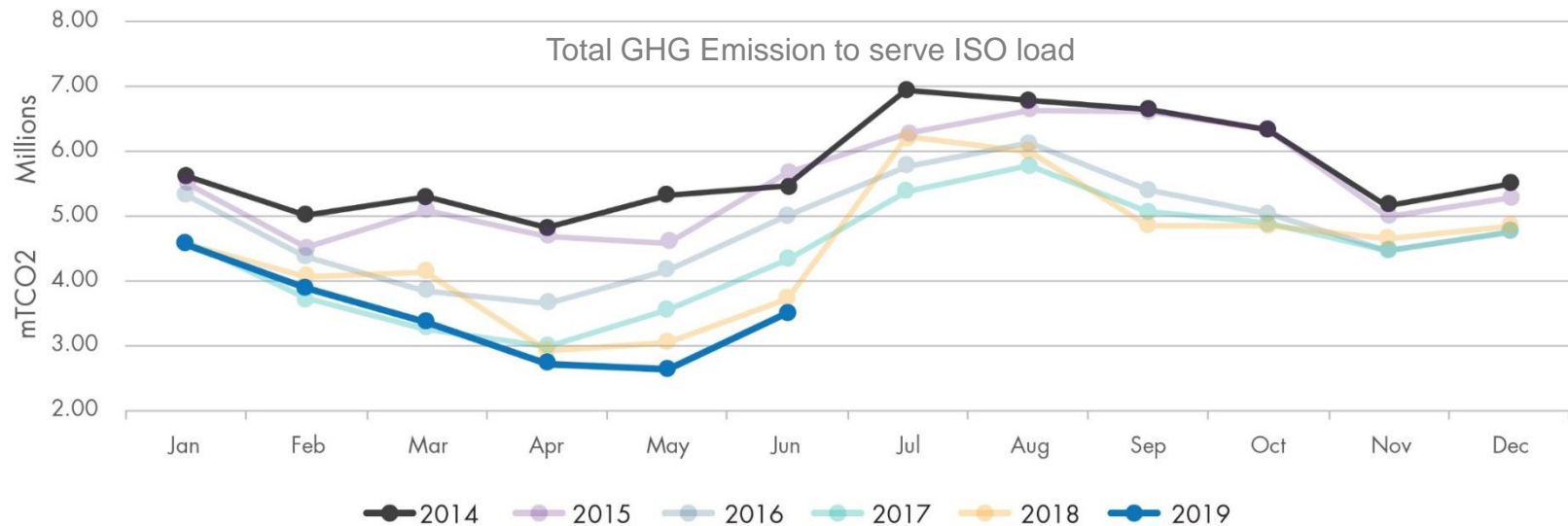
The CAISO supports California's clean energy goals while maintaining reliability

33% RPS
achieved ahead
of 2020 target

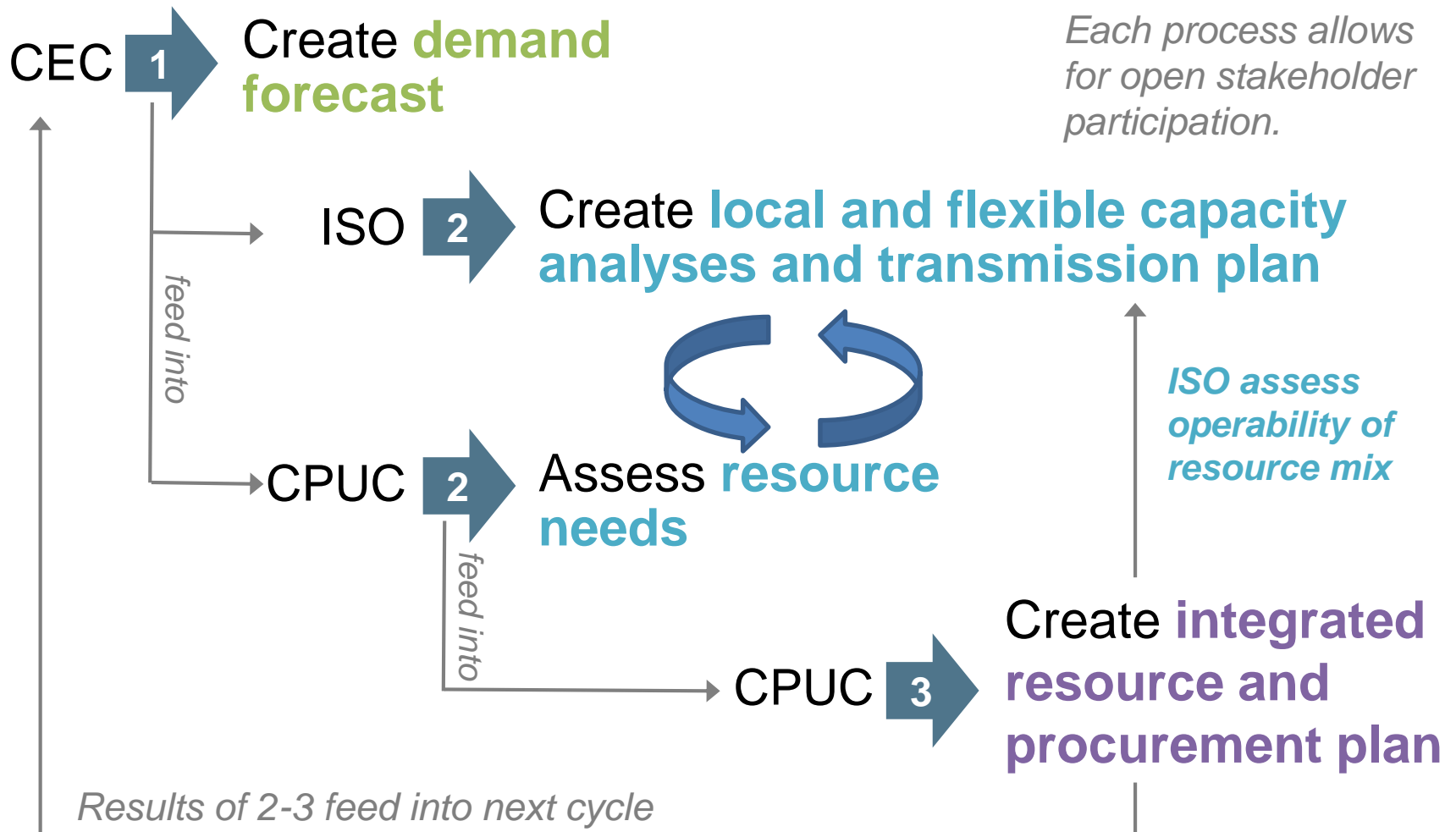
78%
highest load level served
by renewable energy

98.7%
highest load level served
by carbon-free resources

34% Reduction in GHG Emission associated with serving ISO since 2014



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



The CAISO recommends the SB100 process consider:

- Forward looking, least regrets planning should incorporate reliability checks to ensure prudent use of rate payer monies
- The lowest cost today may not yield maximum benefits tomorrow → diversify fleet and ensure preferred resources align with needs (e.g., addressing load after sunset)
- Strategically maintain gas fleet as alternatives develop and are proven to meet the system operational needs