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SB100 Stakeholder Presentation Panel

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Northern California SB100 Scoping Workshop
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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. Each process allows for open stakeholder participation.

1. **CEC** → **ISO**
   - Create *demand forecast*

2. **ISO** → **CPUC** → **ISO**
   - Create *local and flexible capacity analyses and transmission plan*
   - Assess *resource needs*

3. **CPUC** → **CPUC**
   - Create *integrated resource and procurement plan*

Results of 2-3 feed into next cycle.
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.