| **DOCKETED** |
|-----------------|-----------------|
| **Docket Number:** | 19-SB-100 |
| **Project Title:** | SB 100 Joint Agency Report: Charting a path to a 100% Clean Energy Future |
| **TN #:** | 230753 |
| **Document Title:** | Siva Gunda - SB 100 Technical Workshop Report Overview |
| **Description:** | Presentation by Siva Gunda, California Energy Commission |
| **Filer:** | Harinder Kaur |
| **Organization:** | California Energy Commission |
| **Submitter Role:** | Commission Staff |
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PUC 454.53 (a)

It is the policy of the state that eligible renewable energy resources and zero-carbon resources supply 100 percent of all retail sales of electricity to California end-use customers by December 31, 2045.
Interagency Coordination

CPUC
Principal: Commissioner Randolph

CEC
Principal: Chair Hochschild

CARB
Principal: Chair Nichols

Workshops and Stakeholder Input

SB 100 Report
Joint Agency Report

In consultation with CA balancing authorities, through a public process, issue a joint agency report by January 1, 2021 and at least every four years after that includes:

- Technical review of the policy
- Potential benefits and impacts on system/local reliability
- Nature of anticipated financial cost and benefits to utilities
- Barriers and benefits of achieving the policy
- Alternative scenarios to achieve the policy
Joint Agency Report Goals

- Meet report statutory requirements
- Provide direction to the electricity market
- Coordinate planning processes of the State Agencies
- Form consensus on interpretation of statute
Key Considerations

- Reliability
- Energy Equity
- Innovation & Emerging Technologies
- Resource Diversity & Flexibility
- Environmental Impacts
- Affordability

SB 100
Workshop Topics

- Tentative SB 100 Workshop Topics Fall 2019-Spring 2020
  - Scenarios and Technologies (Today)
  - Electricity System Modeling
  - Affordability
  - Equity
  - Environmental Protection and Land Use
  - Infrastructure and System Management Needs
  - Reliability Needs
  - System Resilience

- Additional feedback from workshops in other proceedings
SB 100 Analysis

**Quantitative**
- Modeling of *statewide resource scenarios* to meet targets
- Evaluation framework for *costs, benefits and impacts*

**Qualitative**
- *Technology trends & projections*
- *System benefits*: reliability, resilience, health & safety
- *Energy equity & affordability*
- *Environmental implications, public safety and land use*
- *Interactions with other sectors*
Timeline

• **Fall 2019 Workshops:**
  - Scoping Workshops Complete (Fresno, Redding, Diamond Bar)
  - Today – Technical Workshop, San Francisco (CPUC)
    - Focus on technology trends and options, scenarios, and modeling framework

• **Spring 2020:** Finish SB 100 workshops/feedback from stakeholders

• **Summer 2020:** Draft report available for comment

• **Fall 2020:** Approval by CEC, CPUC, CARB

• **January 1, 2021:** Report due to the Legislature
SB 100 Engagement

• Submit comments to CEC Docket 19-SB-100

• Visit the SB 100 Joint Agency Report webpage: https://www.energy.ca.gov/sb100
Thank You