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SB100 Analysis Planning

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SB 100 Analysis

• Modeling Assumptions
• Planned SB 100 Analysis
Quantitative Analysis

• Identify several statewide resource portfolios that meet renewable energy and climate targets
• Establish a basis for assessing costs, benefits, and impacts at the statewide level
• Leverage opportunities for the qualitative analysis and quantitative analysis to inform one another
Planned SB 100 Analysis

Quantitative

• Modeling of **statewide resource scenarios** to meet targets

• Evaluation framework for costs, benefits and impacts
Modeling Assumptions

• Leverage Existing Studies
  • CEC Deep Decarbonization Report
  • SB100 2045 Framing Study for CPUC IRP

• Maintain consistent input data and underlying policy assumptions where possible, while understanding any differences
  • Consider additional sensitivities of interest to policy leaders and stakeholders

• Look to POU IRP publications and studies
  • Capture value from the POU perspective
  • Learn from other approaches like those developed in the LA100 study
Planned SB 100 Analysis

• Extend the scope of the 2045 Framing Study statewide
  • Scoping discussions underway with project consultant (E3)
  • Extend analyses of the High Electrification, High Biofuels and High Hydrogen scenarios
  • Add RESOLVE model representation for IID, LADWP, BANC and TID
  • Consider sensitivity variations to the scenarios

• Assess alignment of CEC Deep Decarbonization demand projections with the California Energy Demand Forecast
  • Identify underlying differences
  • Analyze implications relative to the three scenarios and the Deep Decarbonization reference scenario
Timeline

• **First Quarter 2020:** Initiate and complete the planned SB 100 analysis modeling exercise

• **Second Quarter 2020:** Incorporate the modeling results, analyses and findings into the Draft SB 100 Joint Agency Report

**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](https://www.energy.ca.gov/sb100)
Thank You

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