

**DOCKETED**

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<b>Project Title:</b>	21-SIT-01, SB100 Implementation Planning for SB100 Resource Build
<b>TN #:</b>	251055
<b>Document Title:</b>	Notice of Availability of the Final 2045 Scenario for the Update of the 20-Year Transmission Outlook
<b>Description:</b>	Notice of Availability of the Final 2045 Scenario for the Update of the 20-Year Transmission Outlook
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**CALIFORNIA ENERGY COMMISSION**

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CEC-70 (Revised 11/2021)



*IN THE MATTER OF:*

*SB 100 Implementation: Planning for SB 100  
Resource Build*

Docket No. 21-SIT-01

NOTICE OF AVAILABILITY

RE: Notice of Availability of Final 2045  
Scenario for the Update of the 20-Year  
Transmission Outlook

## **Notice of Availability of the Final 2045 Scenario for the Update of the 20-Year Transmission Outlook**

California Energy Commission (CEC) and California Public Utilities Commission (CPUC) staff have completed a final 2045 Scenario for use by the California Independent System Operator (California ISO) in the update to the 20-Year Transmission Outlook. The following documents constitute the 2045 Scenario.

- Staff Paper:
  - TN Number: 251049 Title: [2045 Scenario for the Update of the 20-Year Transmission Outlook](https://efiling.energy.ca.gov/GetDocument.aspx?tn=251049&DocumentContentId=85988).<sup>1</sup>
- Resource Mapping Files:
  - TN Number: 251044 Title: [Final 2045 Scenario Mapping Dashboard](https://efiling.energy.ca.gov/GetDocument.aspx?tn=251044&DocumentContentId=85982).<sup>2</sup>
- Demand Scenario Files:
  - TN Number: 251050 Title: [Final 2045 demand scenario for the update to the 20-Year Transmission Outlook – PGE TAC](https://efiling.energy.ca.gov/GetDocument.aspx?tn=251050&DocumentContentId=85990)<sup>3</sup>
  - TN Number: 251051 Title: [Final 2045 demand scenario for the update to the 20-Year Transmission Outlook – SCE TAC](https://efiling.energy.ca.gov/GetDocument.aspx?tn=251051&DocumentContentId=85991)<sup>4</sup>
  - TN Number: 251052 Title: [Final 2045 demand scenario for the update to the 20-Year Transmission Outlook – SDGE TAC](https://efiling.energy.ca.gov/GetDocument.aspx?tn=251052&DocumentContentId=85992)<sup>5</sup>

<sup>1</sup> <https://efiling.energy.ca.gov/GetDocument.aspx?tn=251049&DocumentContentId=85988>

<sup>2</sup> <https://efiling.energy.ca.gov/GetDocument.aspx?tn=251044&DocumentContentId=85982>

<sup>3</sup> <https://efiling.energy.ca.gov/GetDocument.aspx?tn=251050&DocumentContentId=85990>

<sup>4</sup> <https://efiling.energy.ca.gov/GetDocument.aspx?tn=251051&DocumentContentId=85991>

<sup>5</sup> <https://efiling.energy.ca.gov/GetDocument.aspx?tn=251052&DocumentContentId=85992>

The documents are available at [docket no. 21-SIT-01](#), at <https://efiling.energy.ca.gov/Lists/DocketLog.aspx?docketnumber=21-SIT-01>.

## **Background**

The 100 Percent Clean Energy Act of 2018 (De León, Chapter 312, Statutes of 2018) (SB 100) establishes a target for renewable and zero-carbon resources to supply 100 percent of all retail sales in California and electricity procured to serve all state agencies by 2045. SB 100 requires the CEC, CPUC, and California Air Resources Board to develop and submit a joint-agency report to the legislature by January 1, 2021, and at least every four years thereafter. The first [SB 100 Joint Agency Report](#) (<https://www.energy.ca.gov/sb100>) was published in March 2021.

To build-off the 2021 SB 100 Joint Agency Report, the CEC, the CPUC, and the California ISO collaborated on an approach to translate the analyses conducted for the report into an [SB 100 Starting Point Scenario](#) (<https://efiling.energy.ca.gov/GetDocument.aspx?tn=239685&DocumentContentId=73101>) for use by the CAISO in the 20-Year Transmission Outlook.

The objective of California ISO's 20-Year Transmission Outlook is to explore longer term grid requirements and options for meeting the state's greenhouse gas reduction goals. The first [20-Year Transmission Outlook](#) (<https://stakeholdercenter.caiso.com/RecurringStakeholderProcesses/20-Year-transmission-outlook>) was released in May 2022, and the next 20-Year Transmission Outlook is anticipated in 2024.

On June 23, 2023, the CEC jointly conducted a staff workshop with the CPUC and the California ISO to discuss resource portfolio assumptions for use by CAISO in the update of the 20-Year Transmission Outlook. Information from the workshop and public comments were key inputs in developing the final 2045 Scenario for the update of the 20-Year Transmission Outlook. All workshop documents including the agenda and presentation are available on the [workshop webpage](#)<sup>6</sup> and at [docket no. 21-SIT-01](#), at <https://efiling.energy.ca.gov/Lists/DocketLog.aspx?docketnumber=21-SIT-01>.

## **Contacts**

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<sup>6</sup> <https://www.energy.ca.gov/event/workshop/2023-06/joint-agency-staff-workshop-resource-portfolio-assumptions-next-caiso-20#:~:text=The%20California%20Energy%20Commission%20%28CEC%29%20will%20jointly%20conduct,by%20CAISO%20in%20the%20next%2020-Year%20Transmission%20Outlook>.

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**Availability of Documents**

Notices and documents for this proceeding are available at [docket no. 21-SIT-01](https://efiling.energy.ca.gov/Lists/DocketLog.aspx?docketnumber=21-SIT-01), at <https://efiling.energy.ca.gov/Lists/DocketLog.aspx?docketnumber=21-SIT-01>.

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**Subscriptions:** Joint-Agency Report – SB 100; Siting Division General; Energy System Infrastructure Planning; Offshore Renewable Energy; Geothermal Energy; Electricity Issues; Energy Corridor and Transmission Line Issues.