

DOCKETED

Docket Number:	21-SIT-01
Project Title:	21-SIT-01, SB100 Implementation Planning for SB100 Resource Build
TN #:	251077
Document Title:	Notice of Availability of the Final Land-Use Screens Staff Report and Web Mapping Application
Description:	Notice of Availability of the Final Land-Use Screens Staff Report and Web Mapping Application
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Organization:	California Energy Commission
Submitter Role:	Commission Staff
Submission Date:	7/18/2023 1:33:49 PM
Docketed Date:	7/18/2023

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
Land-Use Screens Staff Report and
Web Mapping Application

Notice of Availability of Final *Land-Use Screens for Electric System Planning* Staff Report and Web Mapping Application

California Energy Commission (CEC) staff have completed an update to the land-use screens for electric system planning. The update includes the following documents.

- Staff Report
 - TN Number: 251073. Title: [*Land-Use Screens for Electric System Planning: Using Geographic Information Systems to Model Opportunities and Constraints for Renewable Resource Technical Potential in California.*](#)
<https://efiling.energy.ca.gov/GetDocument.aspx?tn=251073&DocumentContentId=86012>
- Web Mapping Application
 - [CEC 2023 Land-Use Screens for Electric System Planning.](#)
<https://experience.arcgis.com/experience/de6ab11146bf47068ff294d87780ce00>

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

Background

Since 2008, the CEC, the California Public Utilities Commission (CPUC), and the California Independent System Operator have used spatial environmental and land use data to inform their relevant energy resource planning activities. This statewide land use evaluation is known as land-use screening. The resulting land-use screens are map-based footprints delineating important environmental and physical characteristics of the land. They are assembled from an integration of raw data into modeled results at the statewide scale and can show access limitations or competing land use priorities. Over time, the methods and data used in creating land-use screens have evolved, reflecting the availability of new information and new planning initiatives related to

biodiversity conservation, agricultural resource protection, and renewable resource development. In parallel, California's climate and clean energy mandates have increased. The 100 Percent Clean Energy Act of 2018 (Senate Bill 100, de León, Chapter 312, Statutes of 2018) (SB 100), sets a 2045 target of supplying all retail electricity sold in California and state agency electricity needs with renewable and zero-carbon resources. SB 100 also increased the state's Renewables Portfolio Standard (RPS) procurement target to 60 percent of retail sales by December 31, 2030, and requires all state agencies to incorporate the 2030 and 2045 targets into their relevant planning.

In October 2022, the CEC released a draft staff report titled, [Land Use Screens for Electric System Planning: Using Geographic Information Systems to Model Opportunities and Constraints for Technical Renewable Resource Potential in California](https://efiling.energy.ca.gov/GetDocument.aspx?tn=246353) (https://efiling.energy.ca.gov/GetDocument.aspx?tn=246353). The report describes staff analysis and proposed updates to the methodology for using biodiversity, habitat, and cropland datasets to model technical renewable resource potential for onshore wind, solar photovoltaic, and geothermal resources for electric system modeling and resource planning. The CEC held an October 10, 2022, [IEPR Commissioner Workshop on Land-Use Screens](https://www.energy.ca.gov/mediaworkshop/2022-10/iepr-commissioner-workshop-land-use-screens)¹ to present the draft staff report. All workshop documents including the agenda and presentation are available on the workshop webpage and at [docket no. 22-IEPR-02](https://efiling.energy.ca.gov/Lists/DocketLog.aspx?docketnumber=22-IEPR-02), at https://efiling.energy.ca.gov/Lists/DocketLog.aspx?docketnumber=22-IEPR-02.

In February 2023, the CEC adopted the [Final 2022 Integrated Energy Policy Report \(IEPR\) Update](https://www.energy.ca.gov/media/7901), (https://www.energy.ca.gov/media/7901), which contained an appendix that described the steps taken by CEC staff to update the land-use screens for electric system planning (Appendix C).

On March 13, 2023, the CEC held a [Commissioner Workshop on Land-Use Screens](https://www.energy.ca.gov/mediaworkshop/2023-03/commissioner-workshop-land-use-screens)² to provide an update on progress to revise land-use screens for statewide electric system planning. Information from the workshop and public comments were key inputs in developing the final land-use screens staff report and web mapping application. All workshop documents including the agenda and presentation are available on the workshop webpage and 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.

Contacts

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¹ <https://www.energy.ca.gov/event/workshop/2022-10/iepr-commissioner-workshop-land-use-screens>

² <https://www.energy.ca.gov/event/workshop/2023-03/commissioner-workshop-land-use-screens>

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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Dated: July 18, 2023, at Sacramento, California

Subscriptions: Environmental Information for Energy Planning; Disadvantaged Communities Advisory Group; Joint-Agency Report - SB 100; Siting Division General; Geothermal Energy; Energy System Infrastructure Planning.