

CALIFORNIA ENERGY COMMISSION715 P Street
Sacramento, California 95814energy.ca.gov

CEC-70 (Revised 2/2021)

**IN THE MATTER OF:***2021 Integrated Energy Policy Report
(2021 IEPR)*

Docket No. 21-IEPR-03

NOTICE OF AVAILABILITY

RE: *California Energy Demand Forecast, 2021-2035*

Notice of Availability

California Energy Demand Forecast, 2021-2035

The California Energy Demand Forecast, 2021 – 2035 (Demand Forecast 2021) is available for public review and will be considered for adoption at the California Energy Commission (CEC) business meeting on January 26, 2022. The forecast was developed under the direction of Commissioner J. Andrew McAllister, lead for the 2021 IEPR proceeding, and Vice Chair Siva Gunda, lead for the analysis of energy demand in the 2021 IEPR.

On December 2, 2021, and December 16, 2021, the CEC conducted workshops to present the Demand Forecast 2021 for public feedback. The Demand Forecast 2021 provides forecasts for electricity demand in California and for major utility planning areas within the state. The Demand Forecast 2021 will serve as a key input for numerous planning and procurement efforts, including transmission and distribution system planning, integrated resource planning, and resource adequacy assessments.

Following the workshop, CEC staff, in response to stakeholder comments and direction from the lead commissioners, made further revisions to the Demand Forecast 2021. Staff adjusted the electric vehicle (EV) charging load shapes to account for daylight savings time, revised the peak demand forecast, and updated the storage forecast.

The following documents constitute the Demand Forecast 2021 and will be considered for adoption on January 26, 2022.

Baseline Demand Forecast FilesTN Number: 241206 Title: [CED 2021 Baseline Forecast - STATE High Demand Case](#)TN Number: 241207 Title: [CED 2021 Baseline Forecast - SMUD High Demand Case](#)TN Number: 241208 Title: [CED 2021 Baseline Forecast - SDGE High Demand Case](#)TN Number: 241209 Title: [CED 2021 Baseline Forecast - SCE High Demand Case](#)TN Number: 241210 Title: [CED 2021 Baseline Forecast - PGE High Demand Case](#)TN Number: 241211 Title: [CED 2021 Baseline Forecast - NCNC High Demand Case](#)TN Number: 241212 Title: [CED 2021 Baseline Forecast - LADWP High Demand Case](#)TN Number: 241213 Title: [CED 2021 Baseline Forecast - IID High Demand Case](#)

TN Number: 241214 Title: [CED 2021 Baseline Forecast - BUGL High Demand Case](#)
TN Number: 241215 Title: [CED 2021 Baseline Forecast - STATE Mid Demand Case](#)
TN Number: 241216 Title: [CED 2021 Baseline Forecast - STATE Low Demand Case](#)
TN Number: 241217 Title: [CED 2021 Baseline Forecast - SMUD Mid Demand Case](#)
TN Number: 241218 Title: [CED 2021 Baseline Forecast - SMUD Low Demand Case](#)
TN Number: 241219 Title: [CED 2021 Baseline Forecast - SDGE Mid Demand Case](#)
TN Number: 241220 Title: [CED 2021 Baseline Forecast - SDGE Low Demand Case](#)
TN Number: 241221 Title: [CED 2021 Baseline Forecast - SCE Mid Demand Case](#)
TN Number: 241222 Title: [CED 2021 Baseline Forecast - SCE Low Demand Case](#)
TN Number: 241223 Title: [CED 2021 Baseline Forecast - PGE Mid Demand Case](#)
TN Number: 241224 Title: [CED 2021 Baseline Forecast - PGE Low Demand Case](#)
TN Number: 241225 Title: [CED 2021 Baseline Forecast - NCNC Mid Demand Case](#)
TN Number: 241226 Title: [CED 2021 Baseline Natural Gas Forecast - Mid Demand Case](#)
TN Number: 241227 Title: [CED 2021 Baseline Natural Gas Forecast - Low Demand Case](#)
TN Number: 241228 Title: [CED 2021 Baseline Natural Gas Forecast - High Demand Case](#)
TN Number: 241229 Title: [CED 2021 Baseline Forecast - NCNC Low Demand Case](#)
TN Number: 241230 Title: [CED 2021 Baseline Forecast - LADWP Mid Demand Case](#)
TN Number: 241231 Title: [CED 2021 Baseline Forecast - LADWP Low Demand Case](#)
TN Number: 241232 Title: [CED 2021 Baseline Forecast - IID Mid Demand Case](#)
TN Number: 241233 Title: [CED 2021 Baseline Forecast - IID Low Demand Case](#)
TN Number: 241234 Title: [CED 2021 Baseline Forecast - BUGL Mid Demand Case](#)
TN Number: 241235 Title: [CED 2021 Baseline Forecast - BUGL Low Demand Case](#)

Hourly Demand Forecast Files

TN Number: 241173 Title: [CED 2021 Hourly Forecast - IOU TAC - Annual Peaks](#)
TN Number: 241174 Title: [CED 2021 Hourly Forecast - CAISO - Mid Baseline - AAEE Scenario 3 - AAFS Scenario 3](#)
TN Number: 241175 Title: [CED 2021 Hourly Forecast - CAISO - Mid Baseline - AAEE Scenario 2 - AAFS Scenario 4](#)
TN Number: 241176 Title: [CED 2021 Hourly Forecast - CAISO - Low Baseline - AAEE Scenario 5 - AAFS Scenario 2](#)
TN Number: 241177 Title: [CED 2021 Hourly Forecast - SDGE - Mid Baseline - AAEE Scenario 3 - AAFS Scenario 3](#)
TN Number: 241178 Title: [CED 2021 Hourly Forecast - SDGE - Mid Baseline - AAEE Scenario 2 - AAFS Scenario 4](#)
TN Number: 241179 Title: [CED 2021 Hourly Forecast - SDGE - Low Baseline - AAEE Scenario 5 - AAFS Scenario 2](#)
TN Number: 241180 Title: [CED 2021 Hourly Forecast - SDGE - High Baseline - AAEE Scenario 1 - AAFS Scenario 4](#)
TN Number: 241181 Title: [CED 2021 Hourly Forecast - SCE - Mid Baseline - AAEE Scenario 3 - AAFS Scenario 3](#)
TN Number: 241182 Title: [CED 2021 Hourly Forecast - SCE - Mid Baseline - AAEE Scenario 2 - AAFS Scenario 4](#)
TN Number: 241183 Title: [CED 2021 Hourly Forecast - SCE - Low Baseline - AAEE Scenario 5 - AAFS Scenario 2](#)

TN Number: 241184 Title: [CED 2021 Hourly Forecast - SCE - High Baseline - AAE Scenario 1 - AAFS Scenario 4](#)
TN Number: 241185 Title: [CED 2021 Hourly Forecast - PGE - Mid Baseline - AAE Scenario 3 - AAFS Scenario 3](#)
TN Number: 241186 Title: [CED 2021 Hourly Forecast - PGE - Mid Baseline - AAE Scenario 2 - AAFS Scenario 4](#)
TN Number: 241187 Title: [CED 2021 Hourly Forecast - PGE - Low Baseline - AAE Scenario 5 - AAFS Scenario 2](#)
TN Number: 241188 Title: [CED 2021 Hourly Forecast - PGE - High Baseline - AAE Scenario 1 - AAFS Scenario 4](#)
TN Number: 241189 Title: [CED 2021 Hourly Forecast - IOU TAC - Monthly Peaks](#)
TN Number: 241192 Title: [CED 2021 Hourly Forecast - CAISO - High Baseline - AAE Scenario 1 - AAFS Scenario 4](#)

These documents are available on the CEC's [2021 IEPR webpage](#) at <https://www.energy.ca.gov/data-reports/reports/integrated-energy-policy-report/2021-integrated-energy-policy-report>.

Public Comments

For those interested in commenting on the Demand Forecast 2021, oral comments will be accepted at the business meeting and may be limited to three minutes or less per speaker and one person per organization. Written comments may be submitted by 5:00 p.m. on **January 24, 2022**.

The CEC encourages use of its electronic commenting system for written comments. Visit the [e-commenting page](#) at (<https://efiling.energy.ca.gov/Ecomment.aspx?docketnumber=21-IEPR-03>) which links to the comment page for this docket. Enter your contact information and a comment title describing the subject of your comment(s). Comments may be included in the "Comment Text" box or attached as a downloadable, searchable document consistent with title 20 of the California Code of Regulations, section 1208.1. The maximum file size allowed is 10 MB.

Written comments also may be submitted by email. Include docket number **21-IEPR-03** and Demand Forecast 2021 in the subject line and email to docket@energy.ca.gov.

If preferred, a paper copy may be sent to:

California Energy Commission
Docket Unit, MS-4
Docket No. 21-IEPR-03
715 P Street
Sacramento, California 95814-5512

Written and oral comments, attachments, and associated contact information (including address, phone number, and email address) will become part of the public record of this proceeding with access available via any internet search engine.

Public Advisor and Other CEC Contacts

The CEC's Public Advisor provides the public with assistance in participating in CEC proceedings. For information on participation or to request interpreting services, reasonable accommodations, and other modifications, please contact the Public Advisor at publicadvisor@energy.ca.gov, or by phone at (916) 957-7910. Requests should be made as soon as possible or at least five days in advance. The CEC will work diligently to accommodate all requests.

Direct media inquiries to mediaoffice@energy.ca.gov or (916) 654-4287.

Direct technical questions about these documents to Nick Fugate at (916) 776-3651 or nicholas.fugate@energy.ca.gov.

Direct general inquiries regarding the IEPR proceeding to Raquel Kravitz, IEPR Project Manager, at raquel.kravitz@energy.ca.gov or (916) 907-4284

List Servers: energypolicy, electricity, natural gas

**STATE OF CALIFORNIA
ENERGY RESOURCES CONSERVATION
AND DEVELOPMENT COMMISSION**

In the Matter of:) **Docket No.** 21-IEPR-03

) **Resolution No.**

**THE 2021 INTEGRATED ENERGY)
POLICY REPORT)**

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**RESOLUTION OF THE CALIFORNIA ENERGY COMMISSION ADOPTING THE
CALIFORNIA ENERGY DEMAND FORECAST UPDATE, 2021-2035**

WHEREAS, Public Resources Code section 25301(a) requires the California Energy Commission (CEC) to "conduct assessments and forecasts of all aspects of energy industry supply, production, transportation, delivery and distribution, demand, and prices" and to "use these assessments and forecasts to develop and evaluate energy policies and programs that conserve resources, protect the environment, ensure energy reliability, enhance the state's economy, and protect public health and safety"; and

WHEREAS, the Integrated Energy Policy Report contains these assessments and associated policy recommendations and is adopted every two years, with an Integrated Energy Policy Report Update being adopted each interim year; and

WHEREAS, the CEC consulted with appropriate state and federal agencies in developing the Demand Forecast 2021 including, but not limited to, the Public Utilities Commission, the State Air Resources Board, and the Independent System Operator.

WHEREAS, the CEC held workshops on August 5, 2021, December 2, 2021, and December 16, 2021, and Demand Analysis Working Group Meetings were held on May 5, 2021, June 23, 2021, July 15, 2021, September 9, 2021, September 14, 2021, and September 30, 2021 to discuss the California Energy Demand Forecast Update, 2021-2035 (Demand Forecast 2021); and

WHEREAS, on January 14, 2022, staff docketed the Notice of Availability for the Demand Forecast 2021, which identifies the documents that make up the forecast update, including forecasts for electricity consumption, retail electricity sales, and peak and hourly demand for each of the major planning areas and for the state as a whole; and

WHEREAS, the Demand Forecast 2021 provides forecasts which reflect expected impacts from recent economic and demographic projections, projections of electric vehicle adoption, and projections of behind-the-meter photovoltaic and storage system adoption and which are consistent with the latest historical data available for consumption, peak demand, temperatures, and electricity rates; and

WHEREAS, the Demand Forecast 2021 includes three baseline scenarios designed to capture a reasonable range of demand outcomes during the next 15 years; and

WHEREAS, the Demand Forecast 2021 will serve as a key input into a number of planning and procurement efforts, including transmission and distribution system planning, integrated resource planning, resource adequacy, and other studies and proceedings; and

WHEREAS, consistent with an agreement among leadership at the CEC, the Public Utilities Commission, and the California Independent System Operator, specific variants of the adopted demand forecast to be used in individual applications are described as the “single forecast set agreement” in the text of the 2021 Integrated Energy Policy Report Update; and

WHEREAS, the CEC has considered all comments received on the Demand Forecast 2021;

THEREFORE BE IT RESOLVED, the CEC hereby adopts the Demand Forecast 2021 along with any changes identified at its January 26, 2022 Business Meeting, directs CEC staff to make the forecast available to the public and to incorporate the results of the Demand Forecast 2021 into the 2021 Integrated Energy Policy Report Update.

It is so Ordered.

CERTIFICATION

The undersigned Secretariat to the CEC does hereby certify that the foregoing is a full, true, and correct copy of an order duly and regularly adopted at a meeting of the CEC held on January 26, 2022.

AYE:

NAY:

ABSENT:

ABSTAIN:

Secretariat
California Energy Commission
Dated: January 26, 2022