

CALIFORNIA ENERGY COMMISSION1516 Ninth Street
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Notice of Availability

California Energy Demand Forecast Update, 2020 - 2030

On December 3, 2020, the California Energy Commission (CEC) conducted a workshop to present the *California Energy Demand Forecast Update, 2020 – 2030* (Demand Forecast 2020) for public feedback. The Demand Forecast 2020 provides 10-year forecasts for electricity demand in California and for major utility planning areas within the state. The Demand Forecast 2020 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, made further revisions to the Demand Forecast 2020. Staff adjusted the forecasts of energy consumption and peak load for the Pacific Gas & Electric planning area to account for rapid load growth expected within the Silicon Valley Power service territory resulting primarily from the construction of new data centers.

The following documents constituting the Demand Forecast 2020 will be considered for adoption at the January 25, 2021, CEC Business Meeting.

Baseline Demand Forecast Files

TN Number: 236301 Title: [CEDU 2020 Baseline Forecast - SCE High Demand Case](#)
TN Number: 236302 Title: [CEDU 2020 Baseline Forecast - PGE High Demand Case](#)
TN Number: 236303 Title: [CEDU 2020 Baseline Forecast - NCNC High Demand Case](#)
TN Number: 236304 Title: [CEDU 2020 Baseline Forecast - LADWP High Demand Case](#)
TN Number: 236305 Title: [CEDU 2020 Baseline Forecast - IID High Demand Case](#)
TN Number: 236306 Title: [CEDU 2020 Baseline Forecast - BUGL High Demand Case](#)
TN Number: 236307 Title: [CEDU 2020 Baseline Forecast - STATE High Demand Case](#)
TN Number: 236308 Title: [CEDU 2020 Baseline Forecast - SMUD High Demand Case](#)
TN Number: 236309 Title: [CEDU 2020 Baseline Forecast - SDGE High Demand Case](#)
TN Number: 236319 Title: [CEDU 2020 Baseline Forecast - NCNC Low Demand Case](#)
TN Number: 236320 Title: [CEDU 2020 Baseline Forecast - LADWP Low Demand Case](#)

TN Number: 236321 Title: [CEDU 2020 Baseline Forecast - IID Low Demand Case](#)
TN Number: 236322 Title: [CEDU 2020 Baseline Forecast - BUGL Low Demand Case](#)
TN Number: 236323 Title: [CEDU 2020 Baseline Forecast - STATE Low Demand Case](#)
TN Number: 236324 Title: [CEDU 2020 Baseline Forecast - SMUD Low Demand Case](#)
TN Number: 236325 Title: [CEDU 2020 Baseline Forecast - SDGE Low Demand Case](#)
TN Number: 236326 Title: [CEDU 2020 Baseline Forecast - SCE Low Demand Case](#)
TN Number: 236327 Title: [CEDU 2020 Baseline Forecast - PGE Low Demand Case](#)
TN Number: 236310 Title: [CEDU 2020 Baseline Forecast - SDGE Mid Demand Case](#)
TN Number: 236311 Title: [CEDU 2020 Baseline Forecast - SCE Mid Demand Case](#)
TN Number: 236312 Title: [CEDU 2020 Baseline Forecast - PGE Mid Demand Case](#)
TN Number: 236313 Title: [CEDU 2020 Baseline Forecast - NCNC Mid Demand Case](#)
TN Number: 236314 Title: [CEDU 2020 Baseline Forecast - LADWP Mid Demand Case](#)
TN Number: 236315 Title: [CEDU 2020 Baseline Forecast - IID Mid Demand Case](#)
TN Number: 236316 Title: [CEDU 2020 Baseline Forecast - BUGL Mid Demand Case](#)
TN Number: 236317 Title: [CEDU 2020 Baseline Forecast - STATE Mid Demand Case](#)
TN Number: 236318 Title: [CEDU 2020 Baseline Forecast - SMUD Mid Demand Case](#)

Hourly Demand Forecast Files

TN Number: 236297-1 Title: [CEDU 2020 - Managed 1-in-2 Monthly Peak Load by CAISO TAC](#)
_TN Number: 236297-2 Title: [CEDU 2020 Hourly Forecast Update - CAISO - HIGH-LOW](#)
TN Number: 236297-3 Title: [CEDU 2020 Hourly Forecast Update - CAISO - LOW-HIGHs](#)
TN Number: 236297-4 Title: [CEDU 2020 Hourly Forecast Update - CAISO - MID-HIGH](#)
TN Number: 236297-5 Title: [CEDU 2020 Hourly Forecast Update - CAISO - MID-LOW](#)
TN Number: 236297-6 Title: [CEDU 2020 Hourly Forecast Update - CAISO - MID-MID](#)
_TN Number: 236300-1 Title: [CEDU 2020 Hourly Forecast Update - SDGE - HIGH-LOW](#)
TN Number: 236300-2 Title: [CEDU 2020 Hourly Forecast Update - SDGE - LOW-HIGH](#)
TN Number: 236300-3 Title: [CEDU 2020 Hourly Forecast Update - SDGE - MID-HIGH](#)
TN Number: 236300-4 Title: [CEDU 2020 Hourly Forecast Update - SDGE - MID-LOW](#)
TN Number: 236300-5 Title: [CEDU 2020 Hourly Forecast Update - SDGE - MID-MID](#)
_TN Number: 236299-1 Title: [CEDU 2020 Hourly Forecast Update - SCE - HIGH-LOW](#)
TN Number: 236299-2 Title: [CEDU 2020 Hourly Forecast Update - SCE - LOW-HIGH](#)
TN Number: 236299-3 Title: [CEDU 2020 Hourly Forecast Update - SCE - MID-HIGH](#)
TN Number: 236299-4 Title: [CEDU 2020 Hourly Forecast Update - SCE - MID-LOW](#)
TN Number: 236299-5 Title: [CEDU 2020 Hourly Forecast Update - SCE - MID-MID](#)
TN Number: 236298-1 Title: [CEDU 2020 Hourly Forecast Update - PGE - HIGH-LOW](#)
TN Number: 236298-2 Title: [CEDU 2020 Hourly Forecast Update - PGE - LOW-HIGH](#)
TN Number: 236298-3 Title: [CEDU 2020 Hourly Forecast Update - PGE - MID-HIGH](#)
TN Number: 236298-4 Title: [CEDU 2020 Hourly Forecast Update - PGE - MID-LOW](#)
TN Number: 236298-5 Title: [CEDU 2020 Hourly Forecast Update - PGE - MID-MID](#)

These documents are available on the CEC's website.

[IEPR Document Link](#)

Direct media inquiries to MediaOffice@energy.ca.gov or (916) 654-4989.

Direct technical questions about these documents to Cary Garcia at (916) 654-4698 or Cary.Garcia@energy.ca.gov.

Mail Lists: energypolicy

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

IN THE MATTER OF:

***THE 2020 INTEGRATED ENERGY
POLICY REPORT UPDATE***

Docket No. 20-IEPR-03

**RESOLUTION OF THE CALIFORNIA ENERGY COMMISSION ADOPTING THE
CALIFORNIA ENERGY DEMAND FORECAST UPDATE, 2020-2030**

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 ECEC held workshops on August 26, 2020 and December 3, 2020 and Demand Analysis Working Group Meetings were held on April 22, 2020, July 22, 2020, October 29, 2020, and November 19, 2020 to discuss the California Energy Demand Forecast Update, 2020-2030 (Demand Forecast 2020); and

WHEREAS, on January 25, 2021, staff docketed the Notice of Availability for the Demand Forecast 2020, 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 2020 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 2020 includes three baseline scenarios designed to capture a reasonable range of demand outcomes during the next 10 years; and

WHEREAS, the Demand Forecast 2020 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 2020 Integrated Energy Policy Report Update; and

WHEREAS, the CEC has considered all comments received on the Demand Forecast 2020;

THEREFORE BE IT RESOLVED, the CEC hereby adopts the Demand Forecast 2020 along with any changes identified at its January 25, 2021 Business Meeting, directs CEC staff to make the forecast available to the public and the Legislature and to incorporate the results of the Demand Forecast 2020 into the 2020 Integrated Energy Policy Report Update.

CERTIFICATION

The undersigned Secretariat to the CEC does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the CEC held on January 25, 2021.

AYE:

NAY:

ABSENT:

ABSTAIN:

Cody Goldthrite
Secretariat