

DOCKETED	
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Description:	N/A
Filer:	Cody Goldthrite
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STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

IN THE MATTER OF:

**THE 2018 INTEGRATED ENERGY
POLICY REPORT UPDATE**

Docket No. 18-IEPR-04

**2018 IEPR CALIFORNIA
ENERGY DEMAND UPDATED
FORECAST, 2018-2030**

WHEREAS, Senate Bill 1389 (Bowen, Chapter 568, Statutes of 2002) requires the Energy Commission 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" (Public Resources Code § 25301(a)); and

WHEREAS, the Commission is specifically directed to assess electricity trends, develop electricity forecasts, evaluate adequacy of electricity supplies, and conduct other analytical activities relating to the state's use of and need for electricity (Public Resources Code, § 25303); and

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

WHEREAS, the Commission held workshops on July 10, 2018, and December 6, 2018, and Demand Analysis Working Group Meetings were held on July 12, 2018, August 2, 2018, and November 14, 2018, to solicit public input on the development of the California Energy Demand Updated Forecast, 2018-2030 (CEDU 2018); and

WHEREAS, on January 8, 2018, staff docketed the Notice of Availability for the CEDU 2018, which identifies the documents that make up the updated forecast, including updated forecasts for electricity consumption, retail electricity sales, and electricity peak demand for each of the major electricity planning areas and for the state as a whole; and

WHEREAS, the CEDU 2018 describes updated 10-year forecasts for electricity in California and for major utility planning areas within the state and updates the forecasts provided in the California Energy Demand 2018-2030 Forecast (CED 2017) by

incorporating more recent economic and demographic projections and adjusting for the latest historical data available for consumption, peak demand, temperatures, and electricity rates; and

WHEREAS, CEDU 2018 includes three updated baseline scenarios designed to capture a resonable range of demand outcomes during the next 10 years; and

WHEREAS, CEDU 2018 includes updated baseline forecasts of electricity consumption and peak demand for California and for utility planning areas within the state, as well as forecasts of hourly and monthly peak electricity demand for the California Independent System Operator control area and transmission access charge areas; and

WHEREAS, CEDU 2018 incorporates more recent economic and demographic assumptions, and an additional year of historical data, revised projections for electric vehicle and behind-the-meter photovoltaic (PV) system adoption, a new default time-of-use rate impact analysis, and revised estimates of additional achievable PV, and retains existing estimates of additional achievable energy efficiency; and

WHEREAS, CEDU 2018 will serve as a key input into a number of planning efforts, including transmission and distribution system planning, integrated resource planning, and resource adequacy; and

WHEREAS, the Commission has considered all comments received on the CEDU 2018;

THEREFORE BE IT RESOLVED, the California Energy Commission hereby adopts the CEDU 2018 consisting of the demand forecast forms identified in Appendix A to this Resolution along with any changes identified and adopted today, and directs Commission staff to incorporate the results of the CEDU 2018 into the 2018 Integrated Energy Policy Report Update.

CERTIFICATION

The undersigned Secretariat to the Commission 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 California Energy Commission held on January 9, 2018.

AYE: Weisenmiller, Douglas, McAllister, Hochschild, Scott

NAY: None

ABSENT: None

ABSTAIN: None

Original Signed by:

Cody Goldthrite
Secretariat

Appendix A

Documents Constituting the California Energy Demand Updated Forecast, 2018-2030

High Baseline Demand

FINAL CEDU 2018 Baseline Statewide High Demand Case TN- 226265

FINAL CEDU 2018 Baseline PGE High Demand Case TN-226256

FINAL CEDU 2018 Baseline SCE High Demand Case TN- 226259

FINAL CEDU 2018 Baseline SDGE High Demand Case TN- 226263

CORRECTED CEDU 2018 Baseline NCNC High Demand Case TN- 226241

CORRECTED CEDU 2018 Baseline SMUD High Demand Case TN- 226240

CEDU 2018 Baseline LADWP High Demand Case TN-226101

CEDU 2018 Baseline BUGL High Demand Case TN-226098

CEDU 2018 Baseline IID High Demand Case TN-226102

Mid Baseline Demand

FINAL CEDU 2018 Baseline Statewide Mid Demand Case TN- 226267

FINAL CEDU 2018 Baseline PGE Mid Demand Case TN- 226258

FINAL CEDU 2018 Baseline SCE Mid Demand Case TN- 226262

FINAL CEDU 2018 Baseline SDGE Mid Demand Case TN- 226260

CORRECTED CEDU 2018 Baseline NCNC Mid Demand Case TN- 226239

CORRECTED CEDU 2018 Baseline SMUD Mid Demand Case TN- 226234

CEDU 2018 Baseline LADWP Mid Demand Case TN-226115

CEDU 2018 Baseline BUGL Mid Demand Case TN-226117

CEDU 2018 Baseline IID Mid Demand Case TN-226116

Low Baseline Demand

FINAL CEDU 2018 Baseline Statewide Low Demand Case TN- 226266

FINAL CEDU 2018 Baseline PGE Low Demand Case TN- 226257

FINAL CEDU 2018 Baseline SCE Low Demand Case TN- 226264

FINAL CEDU 2018 Baseline SDGE Low Demand Case TN- 226261

CORRECTED CEDU 2018 Baseline NCNC Low Demand Case TN- 226238

CORRECTED CEDU 2018 Baseline SMUD Low Demand Case TN- 226233

CEDU 2018 Baseline LADWP Low Demand Case TN-226106

CEDU 2018 Baseline BUGL Low Demand Case TN-226108

CEDU 2018 Baseline IID Low Demand Case TN-226107

Hourly Demand

Corrected CEDU 2018 1 in 2 Peak Loads by Month and CAISO TAC TN- 226244

Corrected CAISO Hourly Results CEDU 2018 2018-2022 TN- 226243

Corrected CAISO Hourly Results CEDU 2018 2023-2026 TN- 226246

Corrected CAISO Hourly Results CEDU 2018 2027-2030 TN- 226245

Corrected PGE Hourly Results - CEDU 2018 - 2018-2022 TN- 226252

Corrected PGE Hourly Results - CEDU 2018 - 2023-2026 TN- 226251

Corrected PGE Hourly Results - CEDU 2018 - 2027-2030 TN- 226250

Corrected SCE Hourly Results - CEDU 2018 - 2018-2022 TN- 226248

Corrected SCE Hourly Results - CEDU 2018 - 2023-2026 TN- 226247

Corrected SCE Hourly Results - CEDU 2018 - 2027-2030 TN- 226253

Corrected SDGE Hourly Results - CEDU 2018 - 2018-2024 TN- 226254

Corrected SDGE Hourly Results - CEDU 2018 - 2025-2030 TN- 226255

Corrected VEA Hourly Results - CEDU 2018 TN- 226249