

**DOCKETED**

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# California Energy Demand Preliminary Forecast

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## Purpose and Scope



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August 15, 2019  
California Energy Commission



# Who uses the forecast?

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- Resource planning
  - Integrated Resource Planning
  - Distributed Resource Planning
  - Resource Adequacy
- Transmission planning and flexibility studies
- Benchmark for state energy policies and goals



# Why a preliminary?

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- First look at the impact of refreshed inputs, assumptions and modeling changes
- Compare to most recent utility forecasts
- Energy Assessments Division iterative modeling process
- Allows time enough to incorporate additional changes into the final forecast



# Scope of the preliminary

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- Natural Gas end user consumption
- Electricity consumption, sales, annual and monthly peaks, and hourly demand
- 2018 base year for sales and peak
- Forecast period through 2030
- Baseline forecast only
  - 2019 Title 24 impacts considered baseline
  - Includes other efficiency impacts previously part of AAEE



# What has changed?

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- Refreshed rates, economic drivers
- Historical load, interconnection and LSE forecast data
  - New CCA projections
- New EV, self-gen, and committed EE projections
- Incorporating results from ADM load shape project
- Other LSE adjustments
  - Valley Electric Association



# For the revised forecast

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- Refresh rates, economic and demographic drivers
- 2019 weather normalized peak loads
- AAEE scenarios and managed forecasts
- Incorporate forecast of cannabis energy impacts
- Additional model enhancements
- Respond to stakeholder comments
- Preliminary fuel substitution analysis (not for adoption)



# Important dates

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- August 29 – Written comments due
- September 26 – Workshop: emerging topics related to forecasting
- December 2 – Workshop: revised forecast
- January 2020 – Business meeting: final forecast presented for adoption