

**DOCKETED**

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# 2019 IEPR Common Cases and Forecast Overview

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Inputs and Assumptions for 2019 IEPR  
Modeling and Forecasting Activities



Cary Garcia  
March 4, 2019  
California Energy Commission



# California Energy Demand Forecast 2019

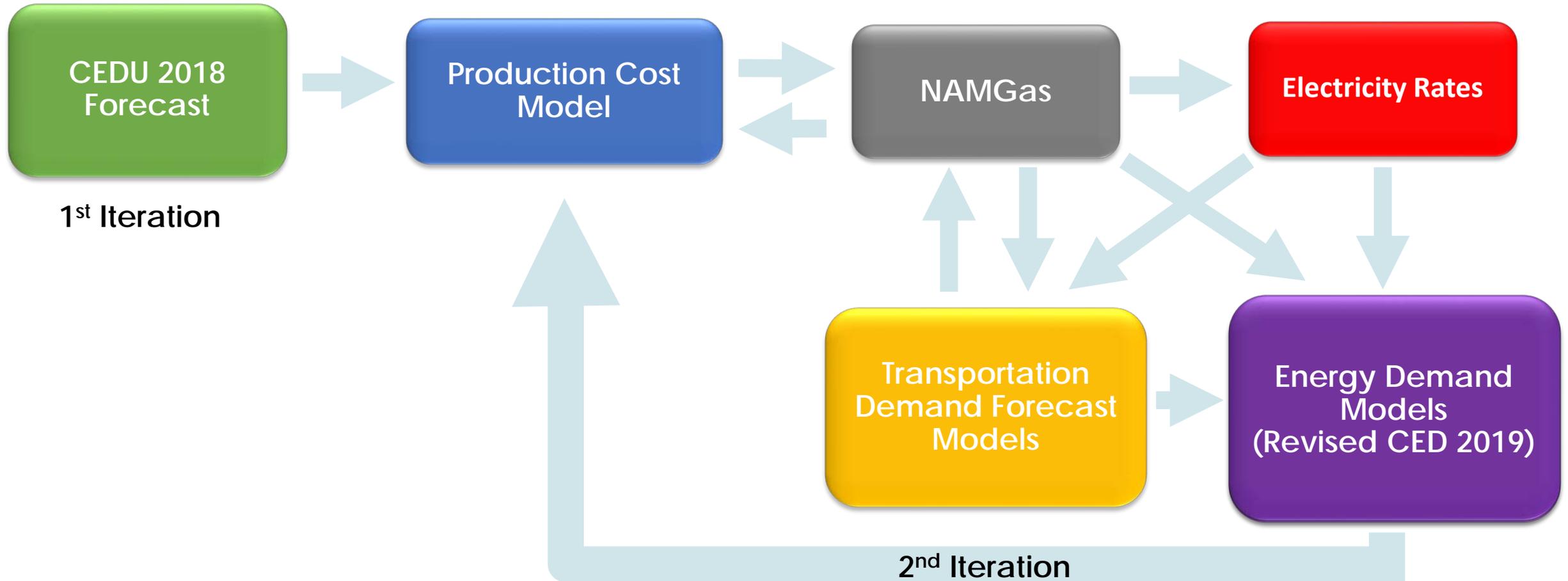
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## **CED 2019**

- “Full” Forecast
- LSE Demand Forms: April 2019
- Preliminary Forecast Workshop: August 2019
- Revised Forecast Workshop: December 2019
- Revised Forecast Adoption: January 2020



# CED 2019 Process





# CED 2019 Forecast Process

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## Iterative Process

### 1<sup>st</sup> iteration:

- Input: Most recent forecast (CEDU 2018)
- Output: Preliminary CED 2019 Forecast

### 2<sup>nd</sup> iteration:

- Input: Preliminary CED 2019
- Output: Revised CED 2019



# Common Cases Objective

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## Develop three cases that translate across the Energy Assessments Division

- Simplifies the transfer of data between modeling systems
- Maintains consistent analytical basis for policy questions/analysis



# Common Case Input Assumptions

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- GDP/GSP
- Population and Households
- Output by NAICS industrial groupings
- Carbon prices
- Weather (CDD/HDD)
- Specific assumptions for various models



# Three Common Cases

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## Energy Demand Cases

*Mid Demand Case:*

Reasonable expectation given “baseline” inputs

*High and Low Demand Cases:*

Not extreme cases but define reasonable “bookends”



# Baseline Demand Scenarios

Assumption	High Energy Demand	Mid Energy Demand	Low Energy Demand
<b>Econ/Demo</b>	Higher	"Likely" Scenario	Lower
<b>Rates</b>	Lower		Higher
<b>Self-Generation</b>	Lower		Higher
<b>Electrification</b>	Higher		Lower
<b>Climate Change</b>	Higher		No Impacts

# Questions?



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