

DOCKETED

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Energy Demand Forecast, Efficiency, and Other Demand Modifiers

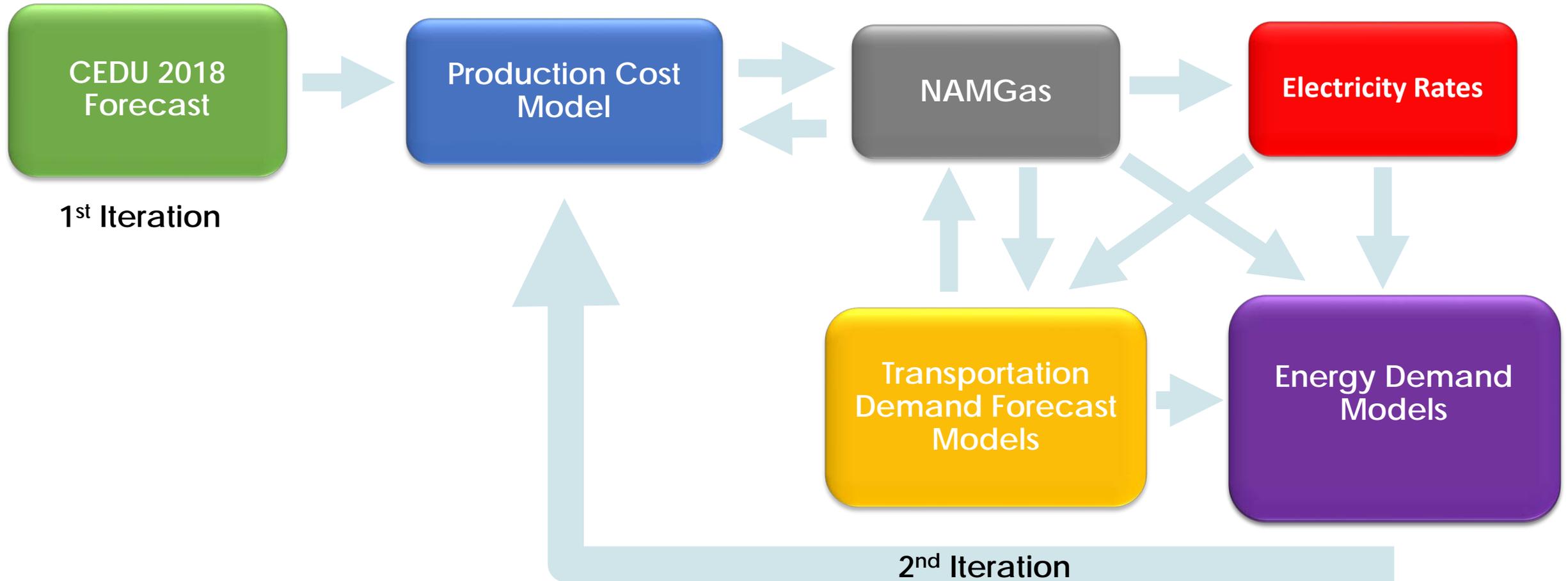
Inputs and Assumptions for 2019 IEPR
Modeling and Forecasting Activities



Cary Garcia
March 4, 2019
California Energy Commission

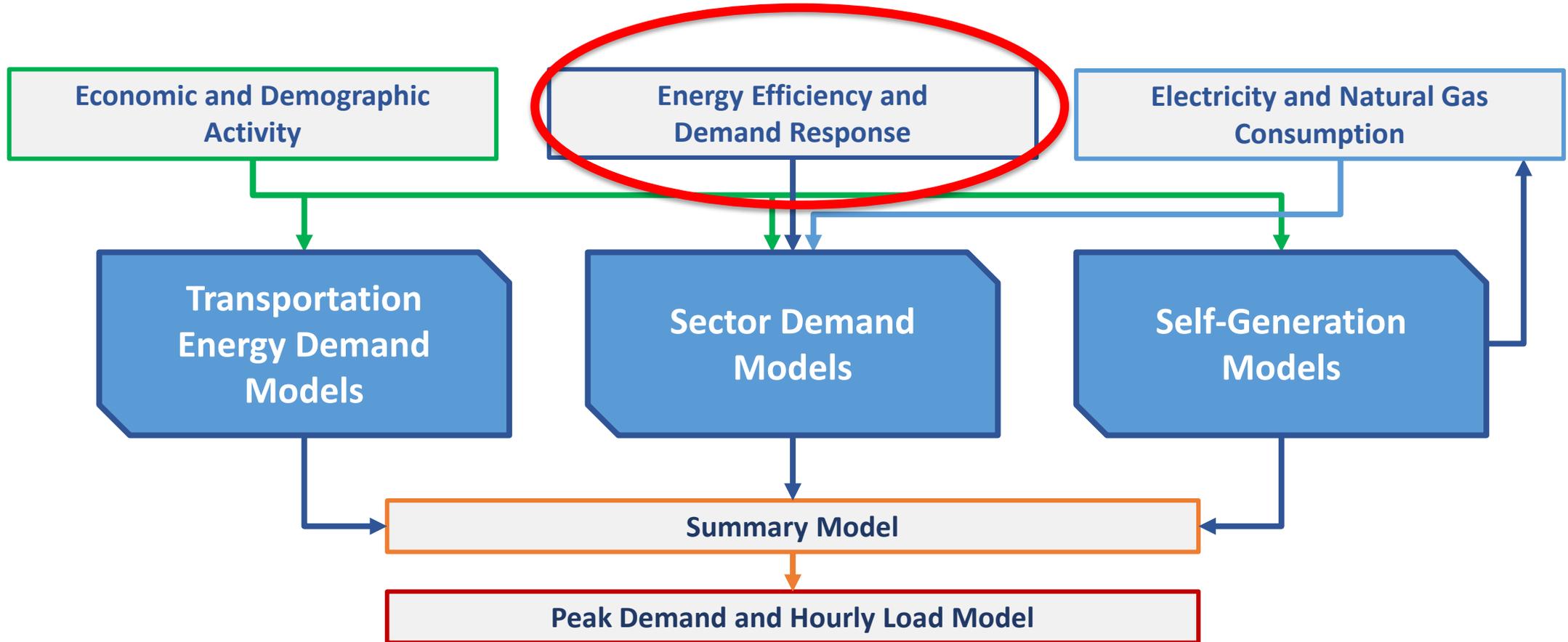


CED 2019 Process





California Energy Demand Model System





Energy Efficiency

Committed Savings

Funded with sufficiently detailed
implementation plans

VS.

Reasonable expectation

Additional Achievable Savings



Energy Efficiency

AAEE transitions to Committed Savings

- 2019 Appliance and Building Standards
- 2018 IOU and POU Programs
- Rolling Portfolio consideration

New AAEE Estimates

- IOU savings from Potential and Goals Study for revised forecast
- Also including POU savings
- Non-utility programs in support of SB 350
- Future standards



Applied to the Forecast

Baseline Forecasts

- Includes only committed savings
- Original scope of AAPV now part of baseline forecast

Managed Forecasts

- Baseline forecast adjusted by AAEE savings
- Interagency agreement to use a single managed forecast set



Load-Modifying Demand Response

Non-Event Based

- TOU and Permanent Load Shifting

Event Based

- Critical Peak Pricing
- Peak Time Rebates

Data Source

- IOU load impact reports (April 2019)
- Rate forecast - residential TOU



Other Inputs/Assumptions

Climate Change

- Scenarios from Scripps Institute of Oceanography

Transportation Electrification

- Transit and other

Cannabis Energy Demand

- Revisit CED 2017 analysis



CED 2019 Timeline

Aug
2019

- Preliminary Forecast Workshop

Dec
2019

- Revised Forecast Workshop

Jan
2020

- Revised Forecast Adoption

Questions?



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