

**DOCKETED**

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<b>Project Title:</b>	Energy Demand Forecast Update
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<b>Document Title:</b>	CEDU 2018 FORECAST UPDATE OVERVIEW
<b>Description:</b>	Presentation by Cary Garcia, Energy Commission
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# California Energy Demand Update 2018

2018 Integrated Energy Policy Report Update  
December 6, 2018



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Energy Assessments Division  
California Energy Commission



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# **CEDU 2018**

## **FORECAST UPDATE OVERVIEW**



# Update Process

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## Re-estimate econometric models for the major sectors:

- Residential
- Commercial
- Manufacturing
- Resource Extraction/Construction
- Agriculture/Water Pumping
- Transportation, Communication, and Utilities
- Street Lighting



# Update Process

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1. Run econometric models with **previous** economic and demographic data used in CED 2017
2. Run econometric models with **newer** economic and demographic data (June 2018)
3. **Apply percentage differences** in econometric forecasts to CED 2017 net of post processed impacts



# Update Process

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## **Re-estimated elements:**

- Electric Vehicles
- Self-Generation
- Rates

## **No new energy efficiency estimates:**

- Adjusted incremental to starting new forecast horizon



# Econ/Demo Scenarios

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## High Demand Scenario

- Moody's Custom Scenario

## Mid Demand Scenario

- Moody's Analytics Baseline

## Low Demand Scenario

- Moody's Below-Trend Long-Term Growth





# Comparison to CED 2017

## Average annual growth 2018-2030

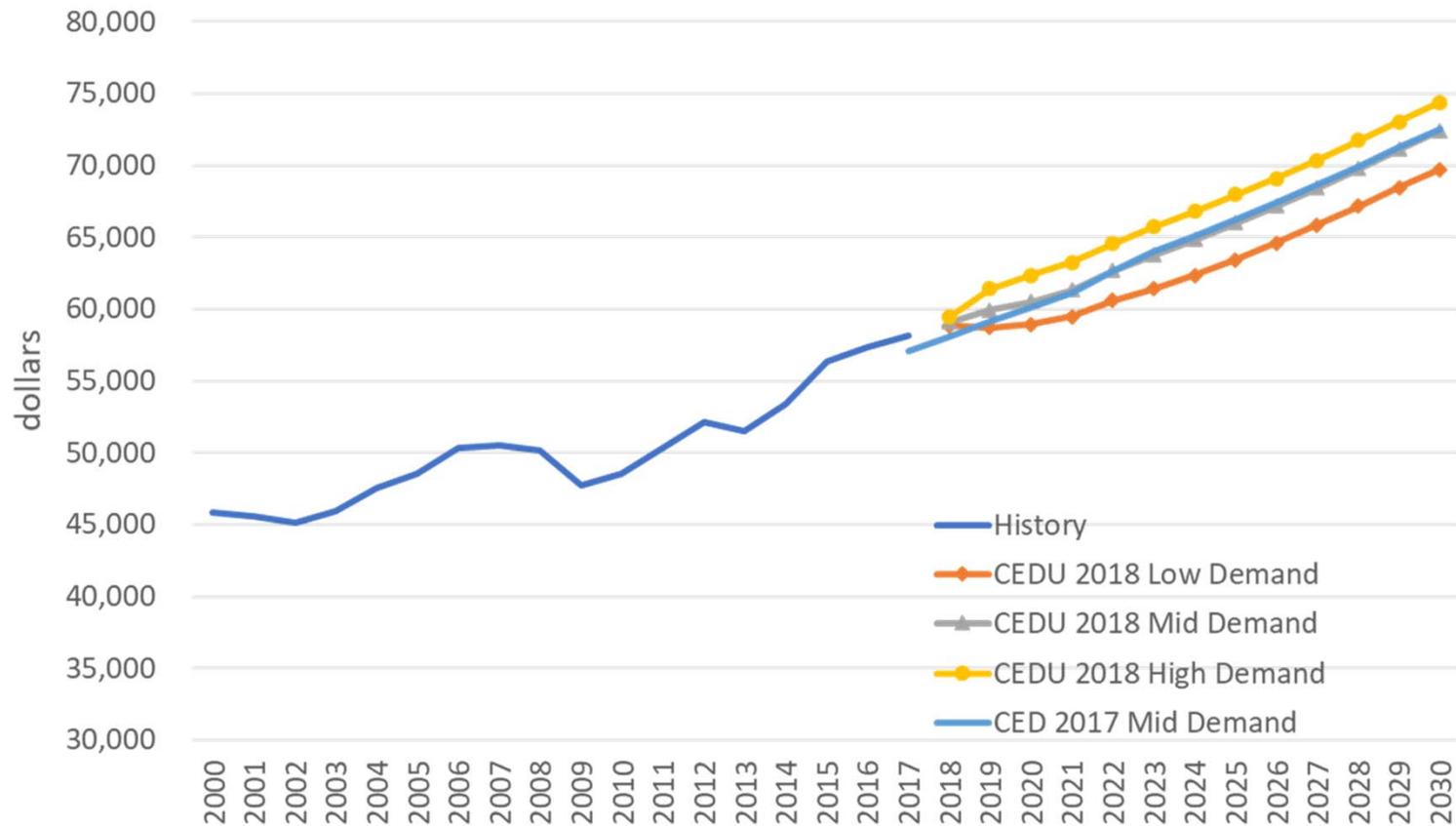
Driver	CED 2017 Mid	CEDU 2018 Mid
Per Capita Income	1.87%	1.71%
Population	0.79%	0.80%
Households	0.92%	0.85%
Gross State Product	2.30%	2.01%
Manufacturing Output	2.59%	2.46%
Commercial Employment	0.70%	0.50%





# Statewide Personal Income

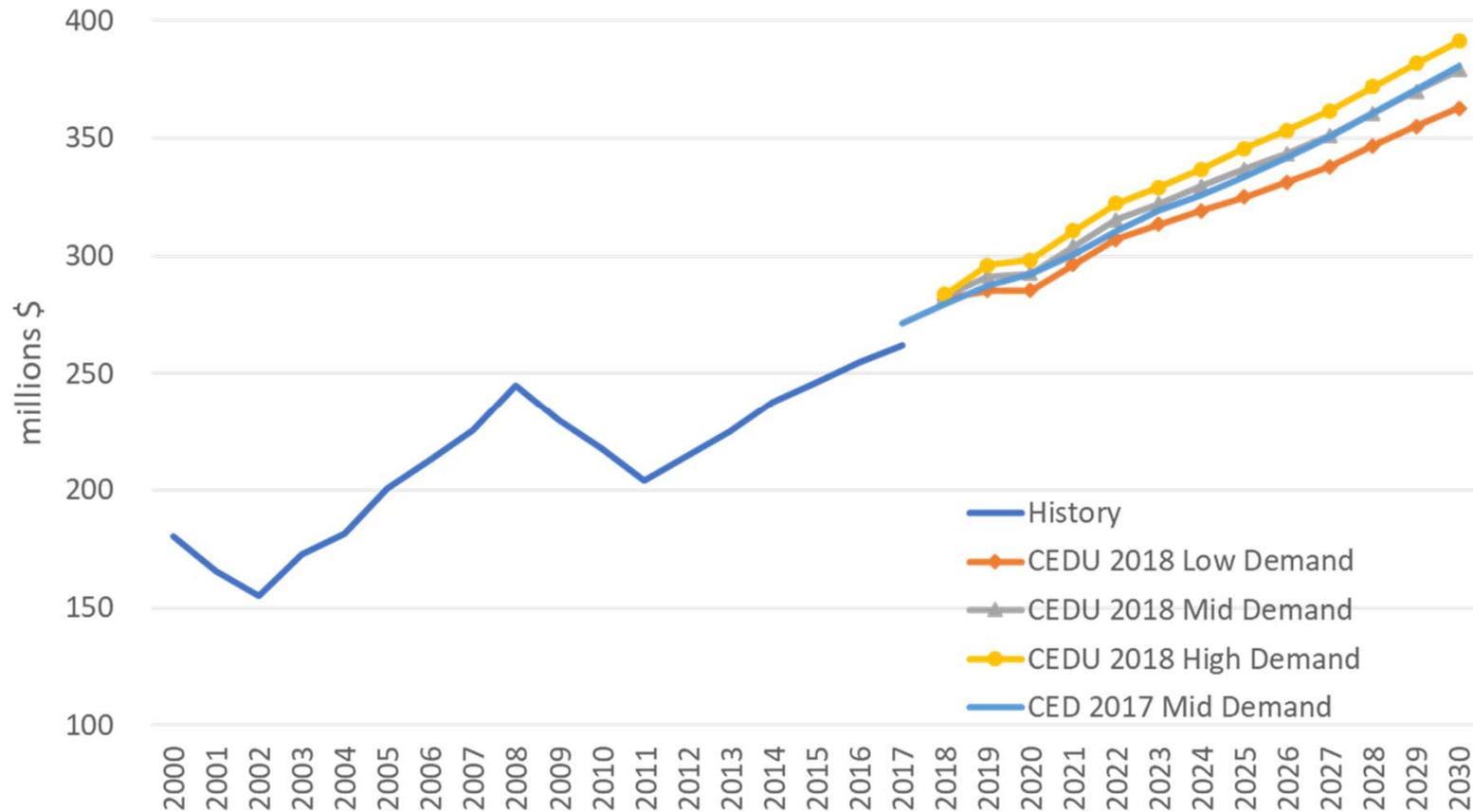
By 2030, updated mid case is 0.14% lower than CED 2017





# Manufacturing Output

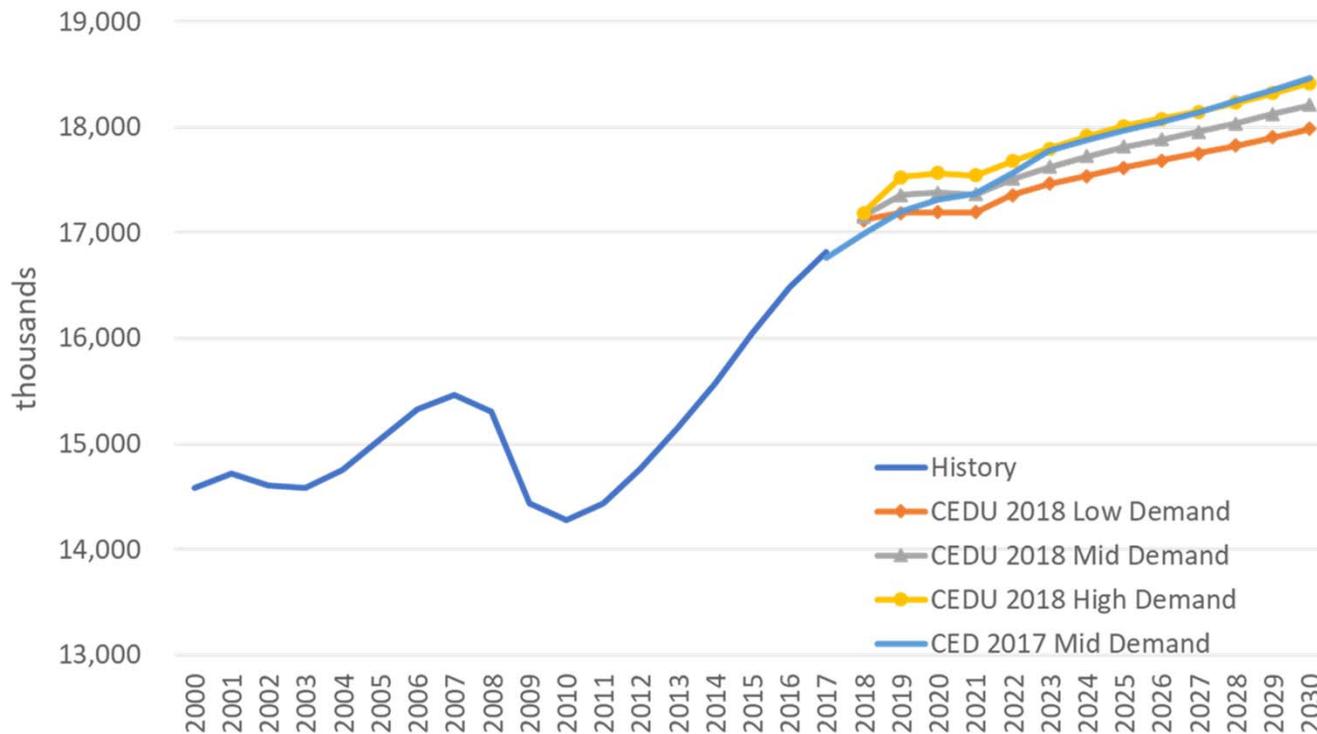
By 2030, updated mid case is 0.37% lower than CED 2017





# Commercial Employment

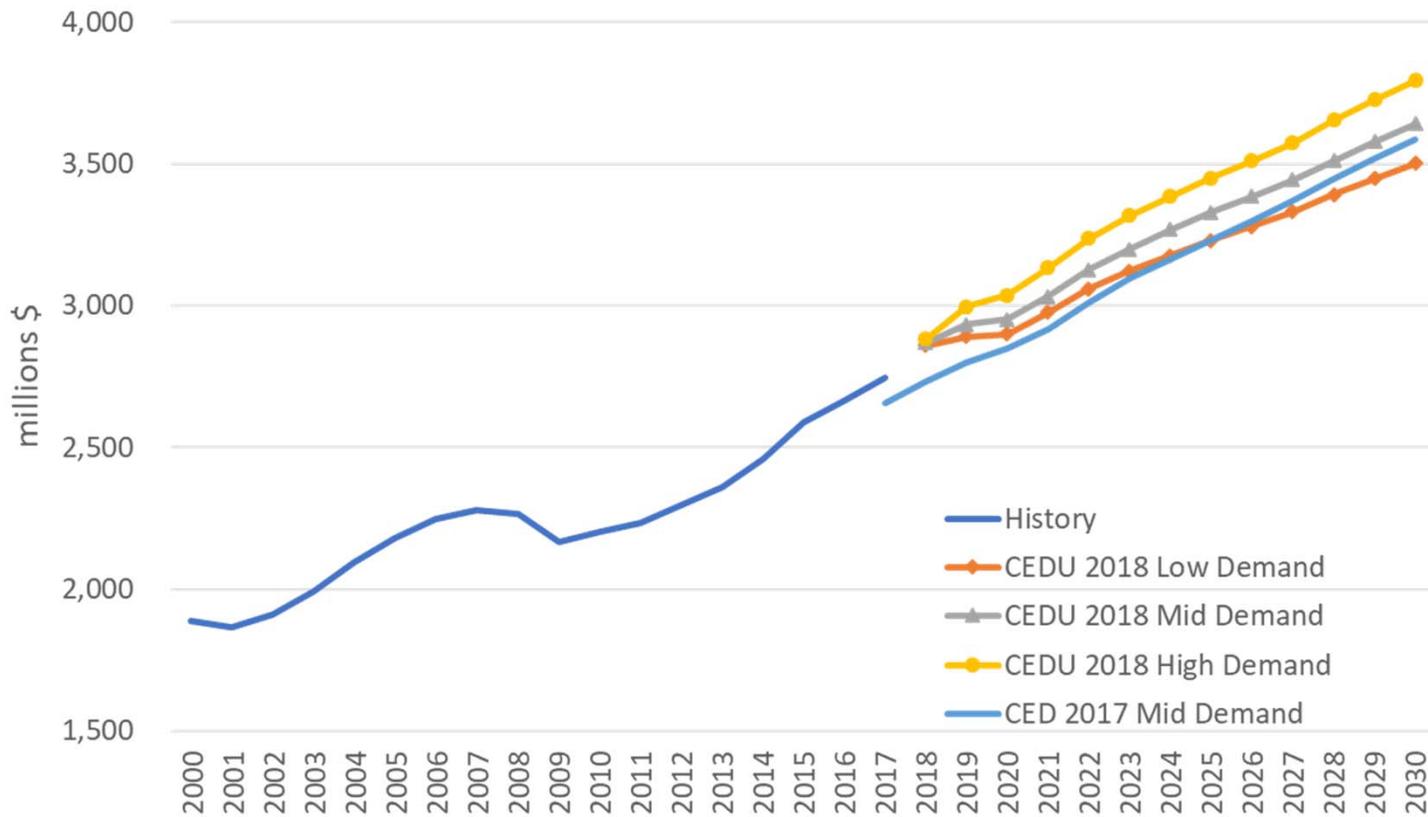
By 2030, updated mid case is 1.37% lower than CED 2017





# Gross State Product

By 2030, updated mid case is 1.50% higher than CED 2017





# Questions

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