

DOCKETED	
Docket Number:	25-IEPR-03
Project Title:	Electricity and Gas Demand Forecast
TN #:	265228
Document Title:	Presentation - Economic & Demographic Updates for the 2025 IEPR
Description:	2. Mathew Cooper, CEC
Filer:	Raquel Kravitz
Organization:	California Energy Commission
Submitter Role:	Energy Commission
Submission Date:	8/5/2025 8:04:42 AM
Docketed Date:	8/5/2025

Economic & Demographic Updates for the 2025 IEPR



Mathew Cooper

August 6, 2025



Relevance

- **Economic & Demographic Projections**
 - Primary inputs to the demand forecast
 - Key drivers of energy consumption
- **Demographics**
 - Statewide population and household changes
 - Forecasting by region (CEC “planning areas” and “forecast zones”) requires data on demographic shifts and regional differences
- **Economics**
 - Economic trends measured with multiple variables
 - Selection of variables depends on sector model



Background

- **Single Baseline Forecast Set**
 - “Mid” case used in forecast
 - Forecast out to 2045
- **Demographic Variables from CA DOF – May 2025**
 - Population
 - Households
- **Economic Variables from Moody’s – May 2025**
 - Personal Income (PI)
 - Gross State Product (GSP)
 - Manufacturing Output
 - Commercial Employment
 - many additional variables



Key Findings for 2025

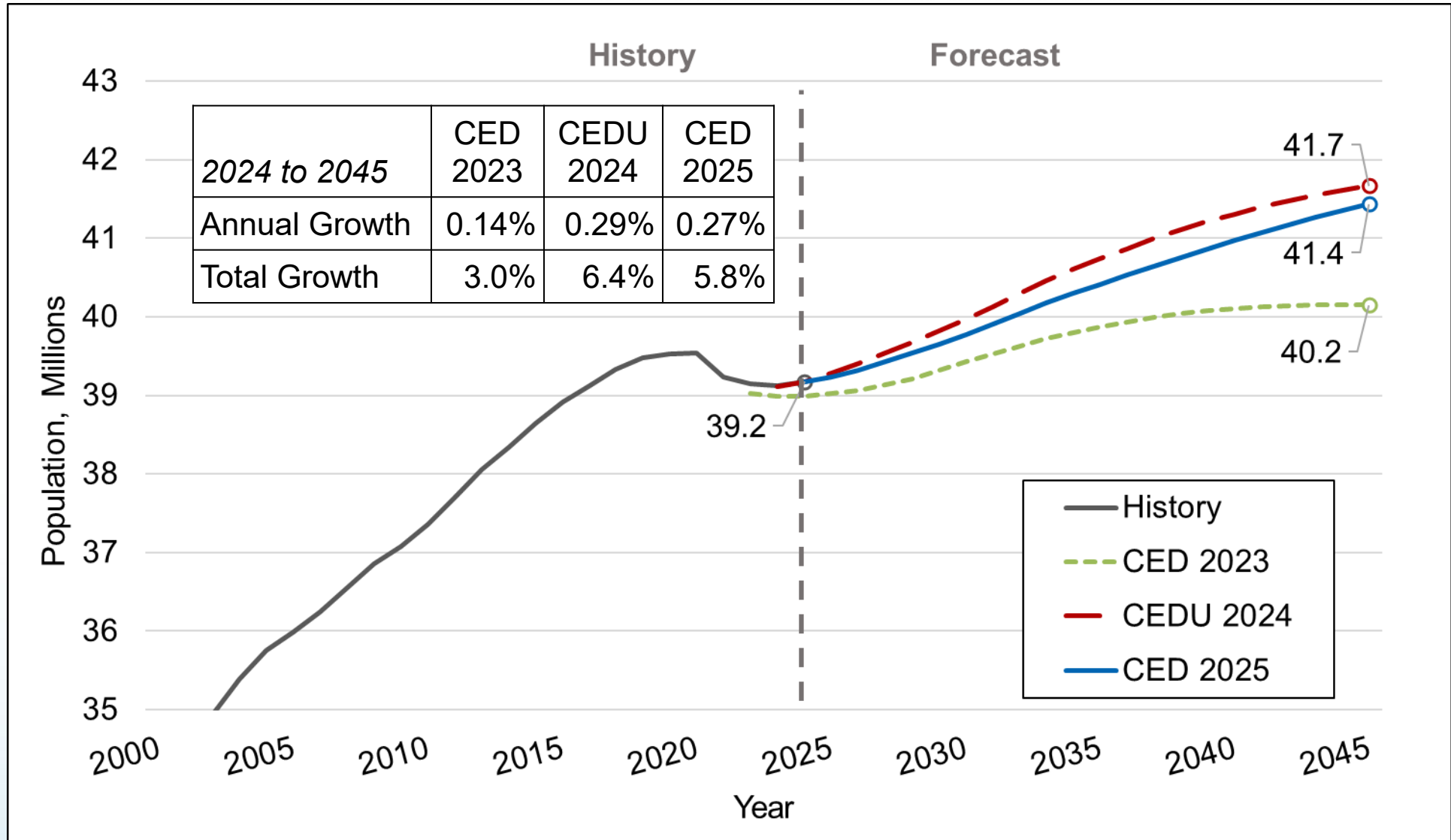
- **Demographic Variables:**
 - Small decrease in population forecast, mostly specific to denser areas
 - Increase in households due to lower average household size
- **Economic Variables:**
 - Moody's economic forecasts (from May) show slower growth in the near term, but are still similar to previous vintages in the long term
 - Uncertainty/volatility is very high due to tariffs and other policy changes in the federal administration
- **Implications for the Forecast:**
 - Increase in households may increase energy consumption
 - Economic changes and subsequent impacts are difficult to predict



Demographics



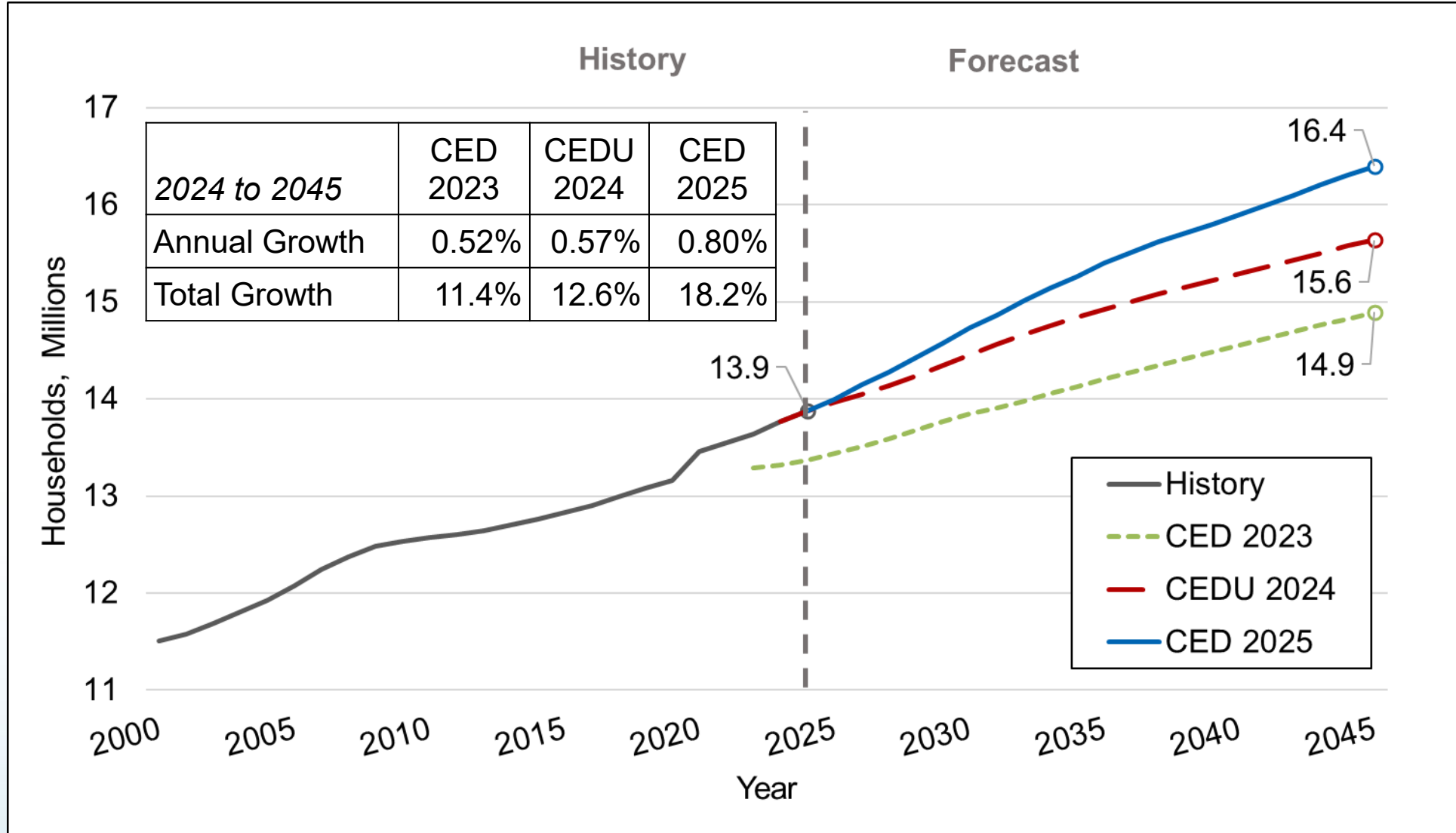
Population



Source: DOF



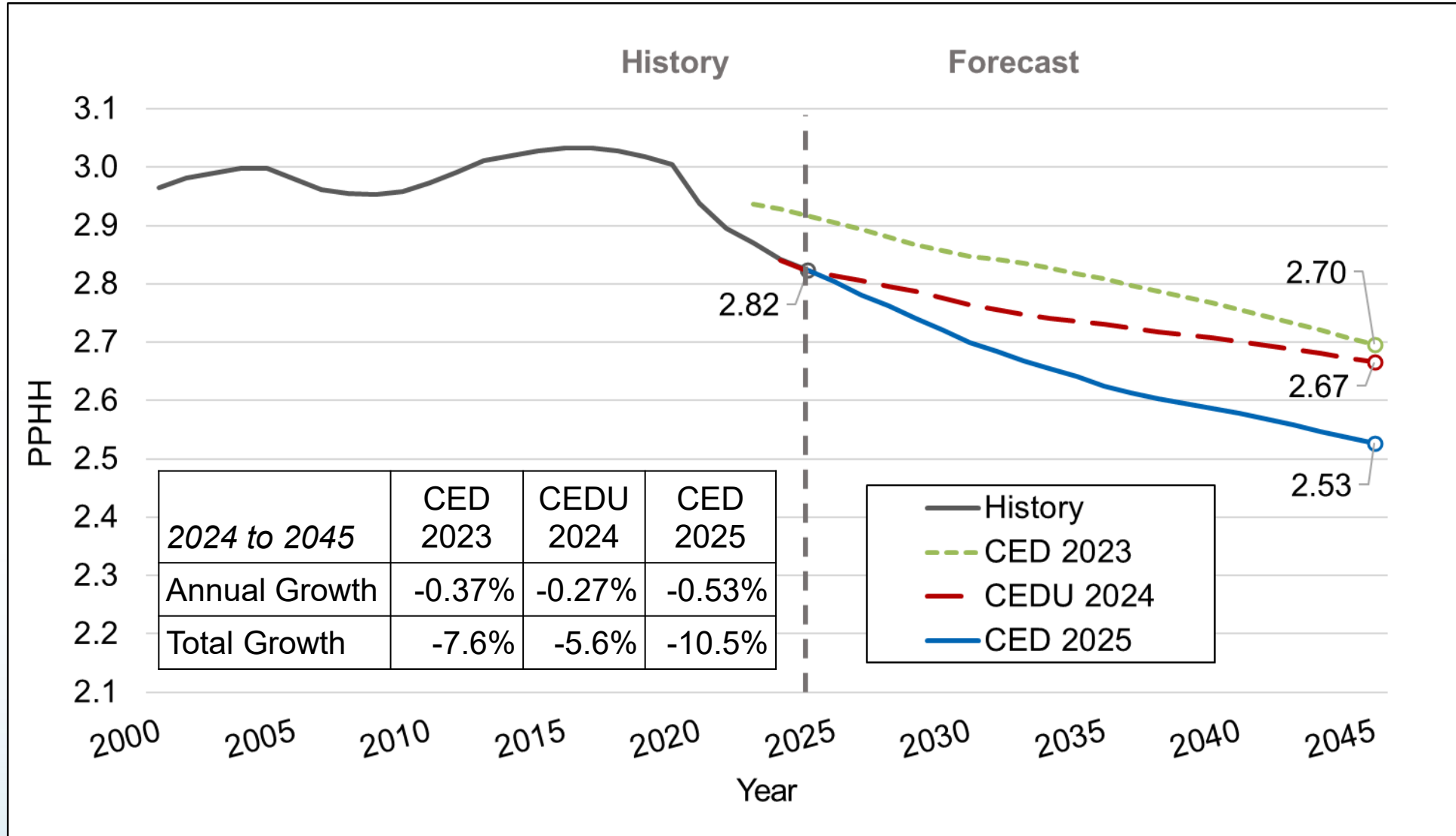
Households



Source: DOF



Persons per Household



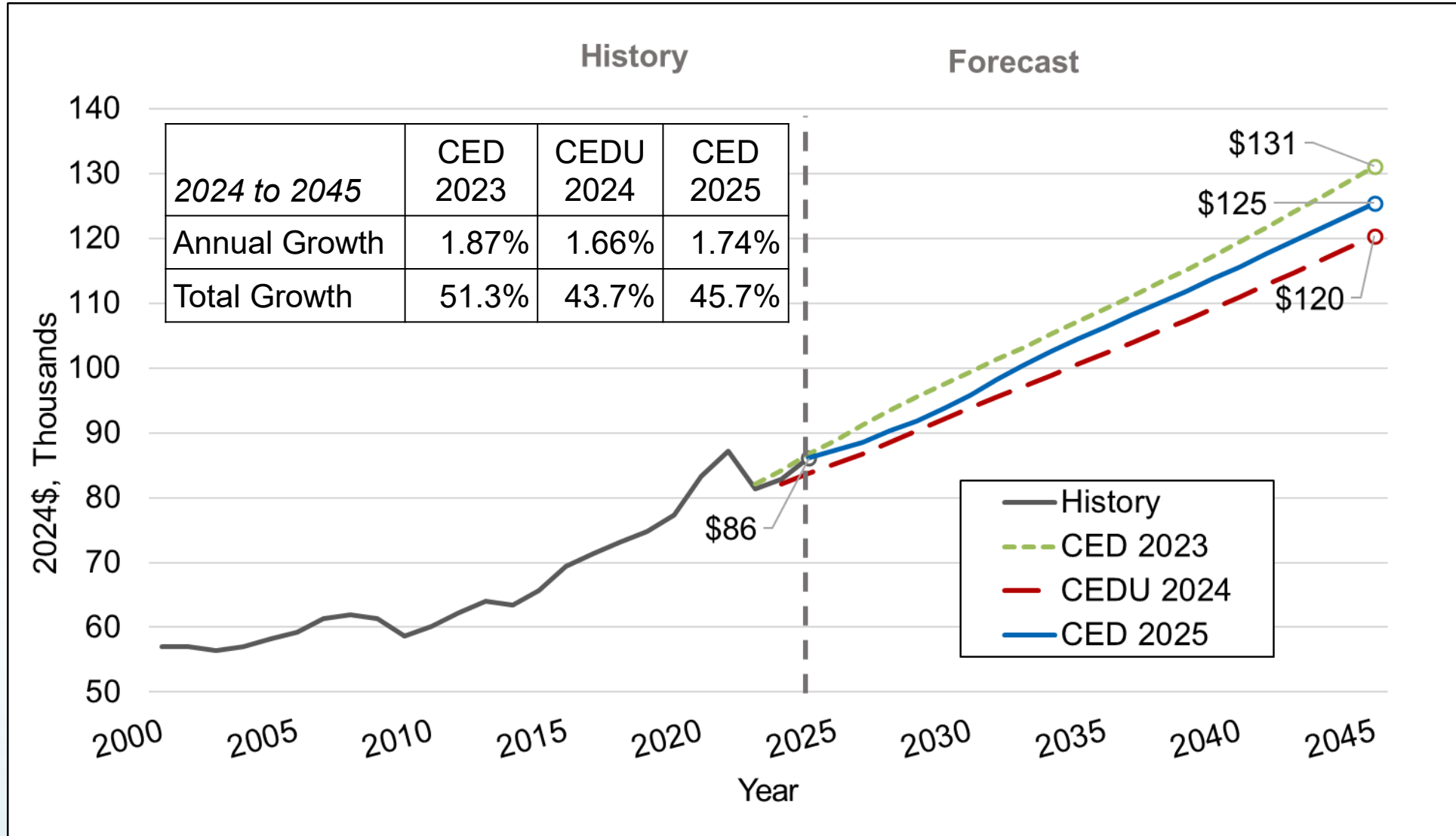
Source: DOF



Economics

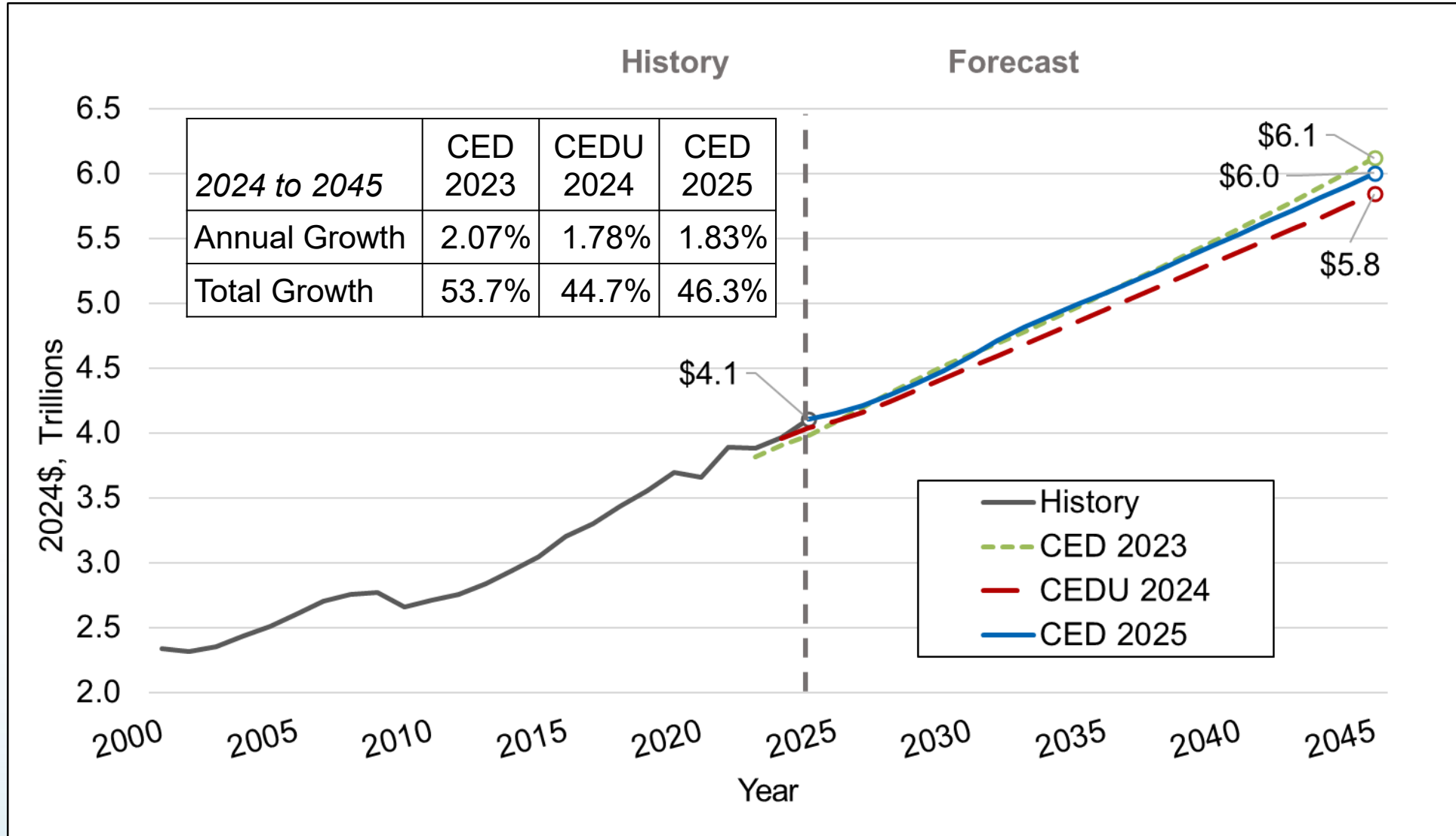


Per Capita Personal Income



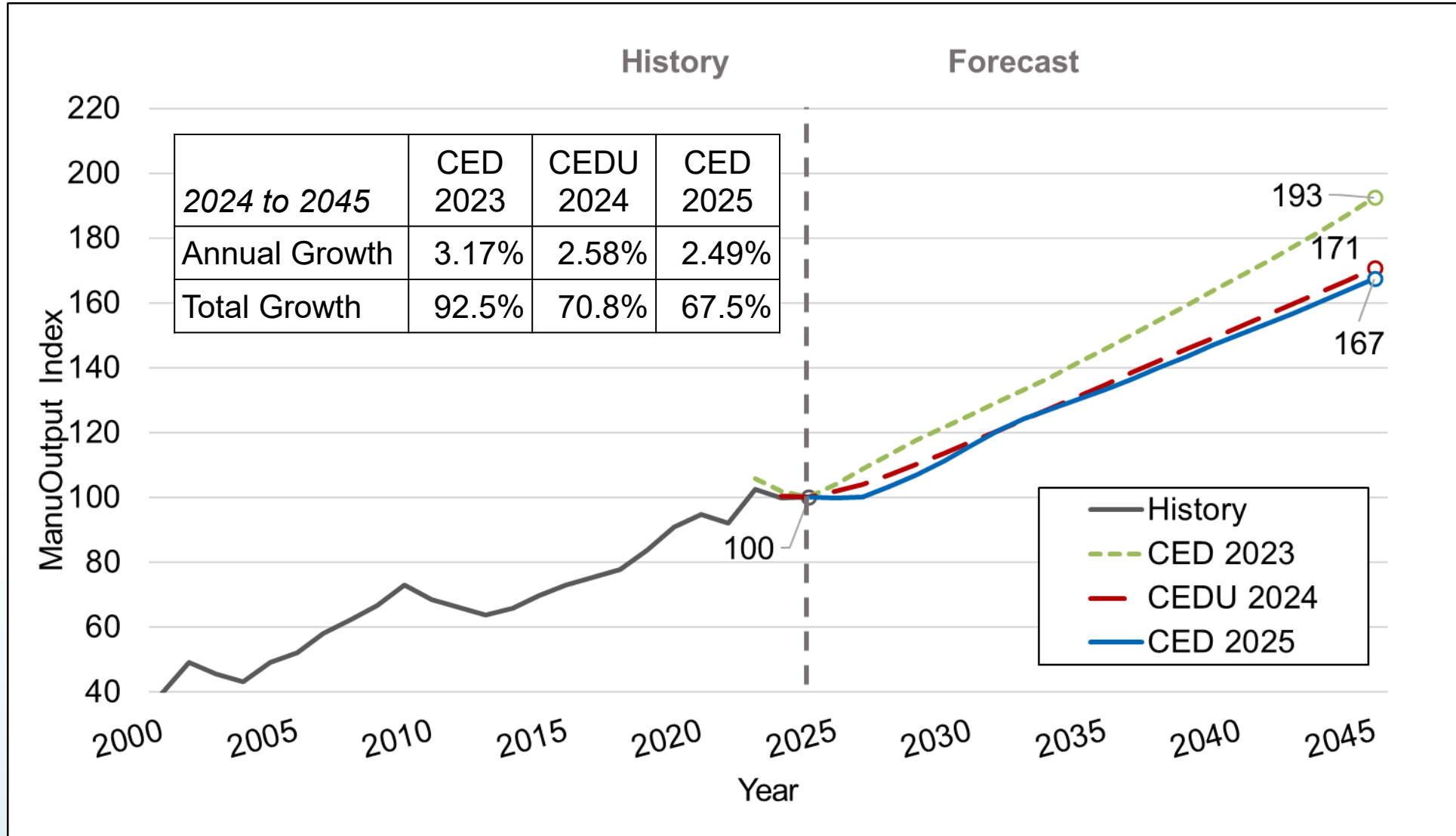


Gross State Product



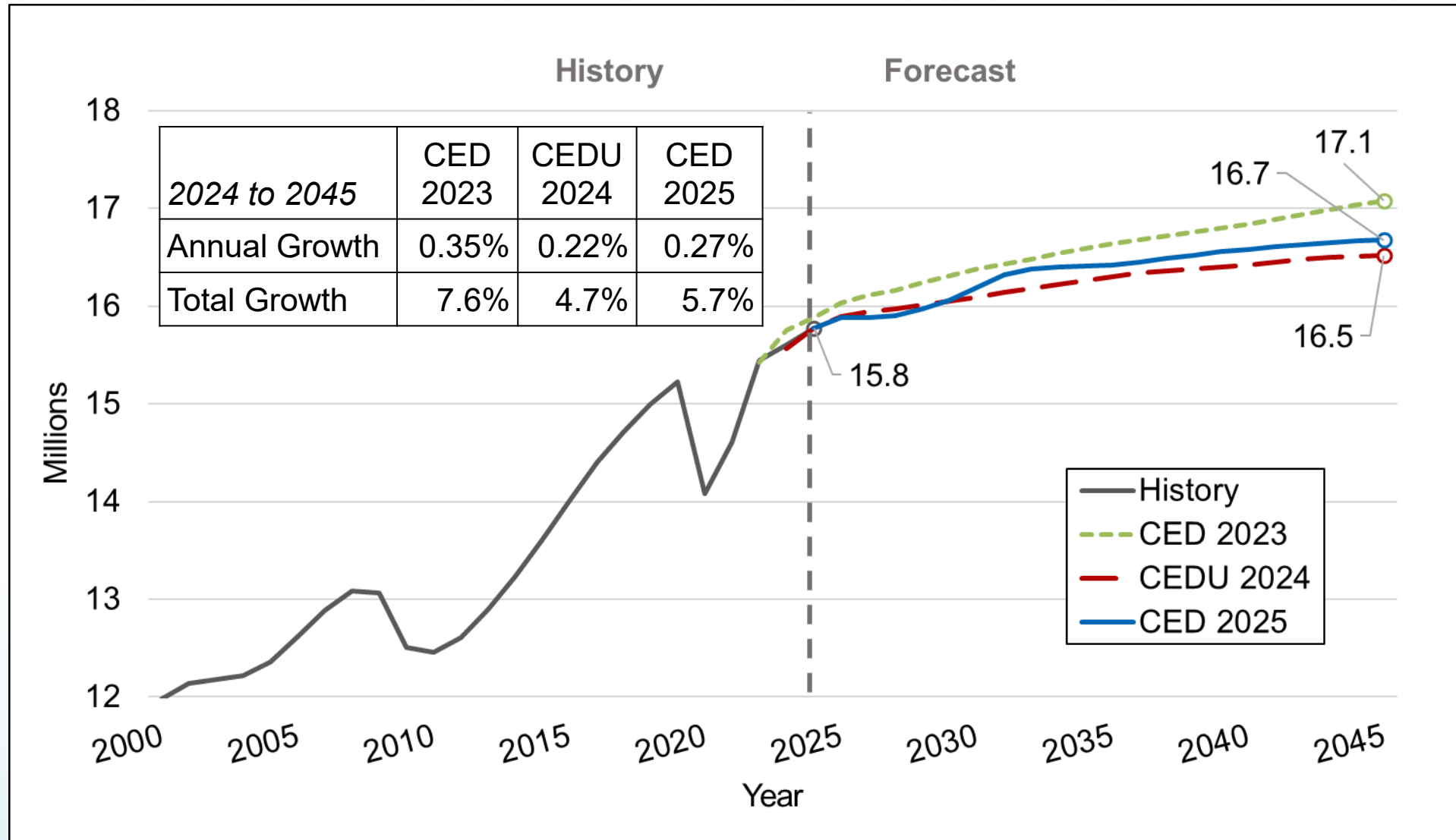


Manufacturing Output (Indexed)





Commercial Employment





Questions?

Mathew.Cooper@energy.ca.gov