| DOCKETED | |
|---|---|
| **Docket Number:** | 18-IEPR-04 |
| **Project Title:** | Energy Demand Forecast Update |
| **TN #:** | 224100 |
| **Document Title:** | Presentation - Economic and Demographic Outlook - Scenarios for the 2018 Forecast Update |
| **Description:** | Presentation by Nancy Tran & Chris Kavalec at the July 10 IEPR Commissioner Workshop on the 2018 California Energy Demand Forecast Update |
| **Filer:** | Denise Costa |
| **Organization:** | California Energy Commission |
| **Submitter Role:** | Commission Staff |
| **Submission Date:** | 7/9/2018 4:22:31 PM |
| **Docketed Date:** | 7/9/2018 |

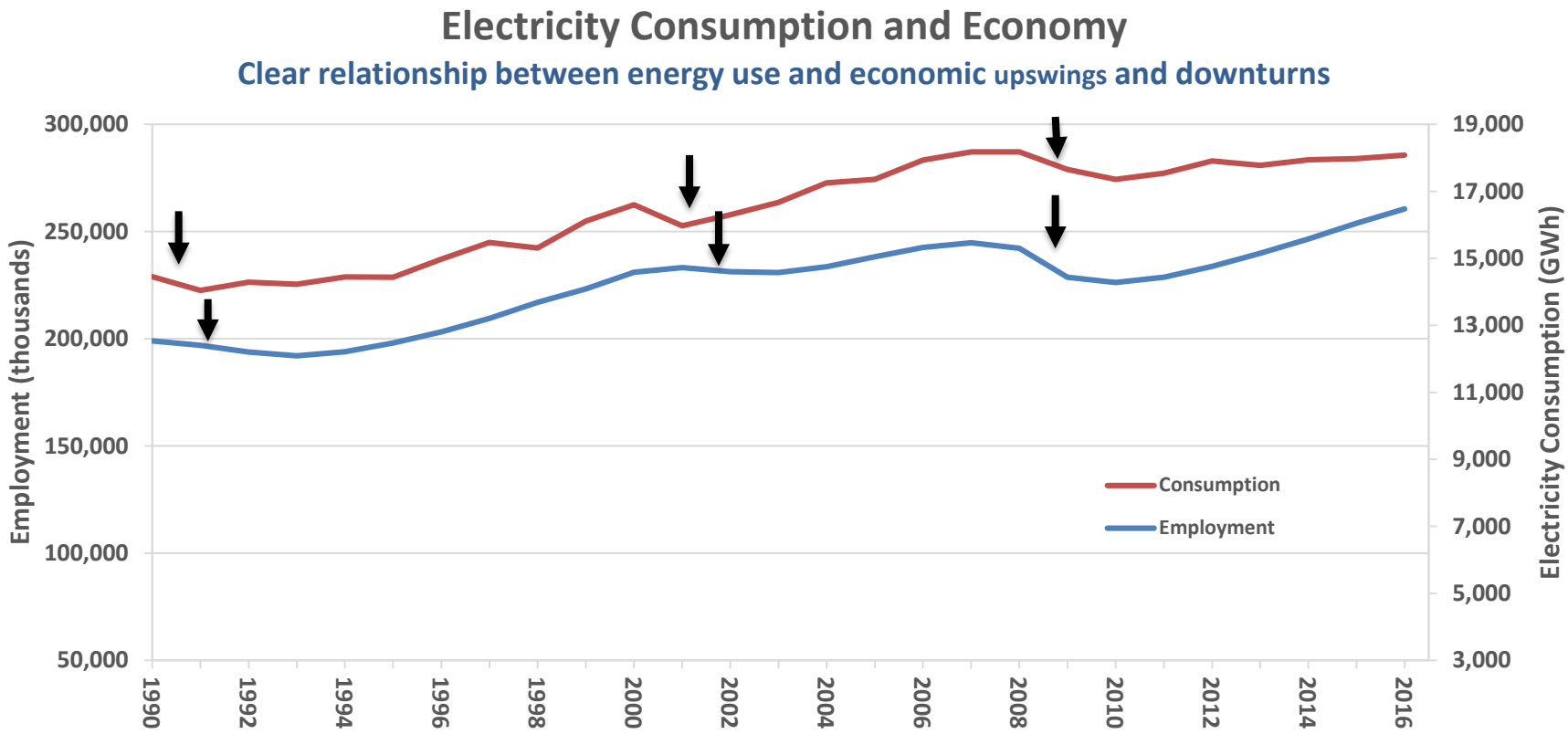
# Economic and Demographic Outlook

## Scenarios for the 2018 Forecast Update

Nancy Tran
July 10, 2018
California Energy Commission

# Impacts On Electricity Consumption

- Economic and demographic patterns remain the most significant factors in determining energy consumption.

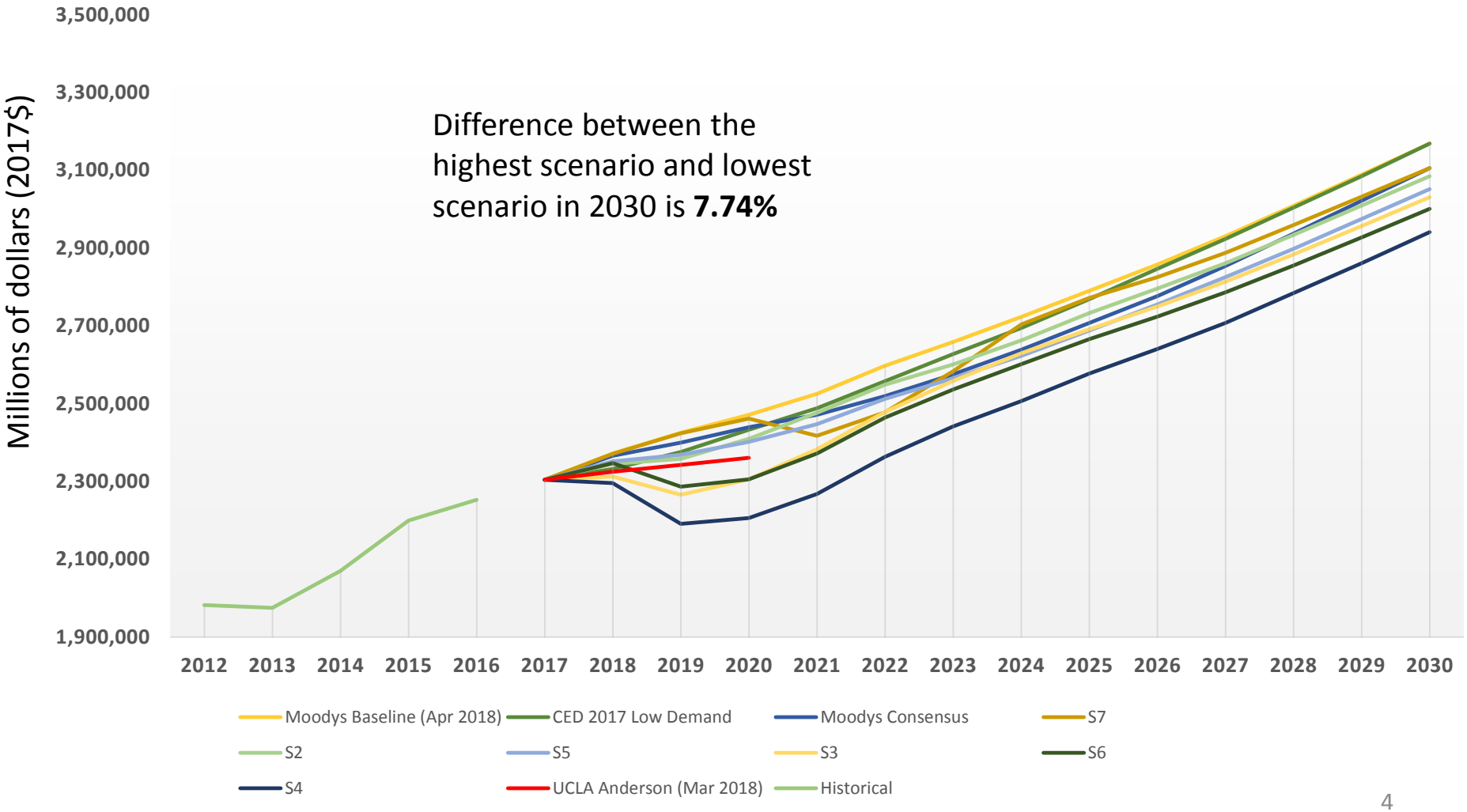



Source: Moody's Analytics, CA Energy Commission

# Economic and Demographic Sources

- Moody's Analytics
- IHS Global Insight
- California Department of Finance
- UCLA Anderson Forecast
- California Employment Development Department
- U.S. Bureau of Labor Statistics
- U.S. Census
- U.S. Bureau of Economic Analysis

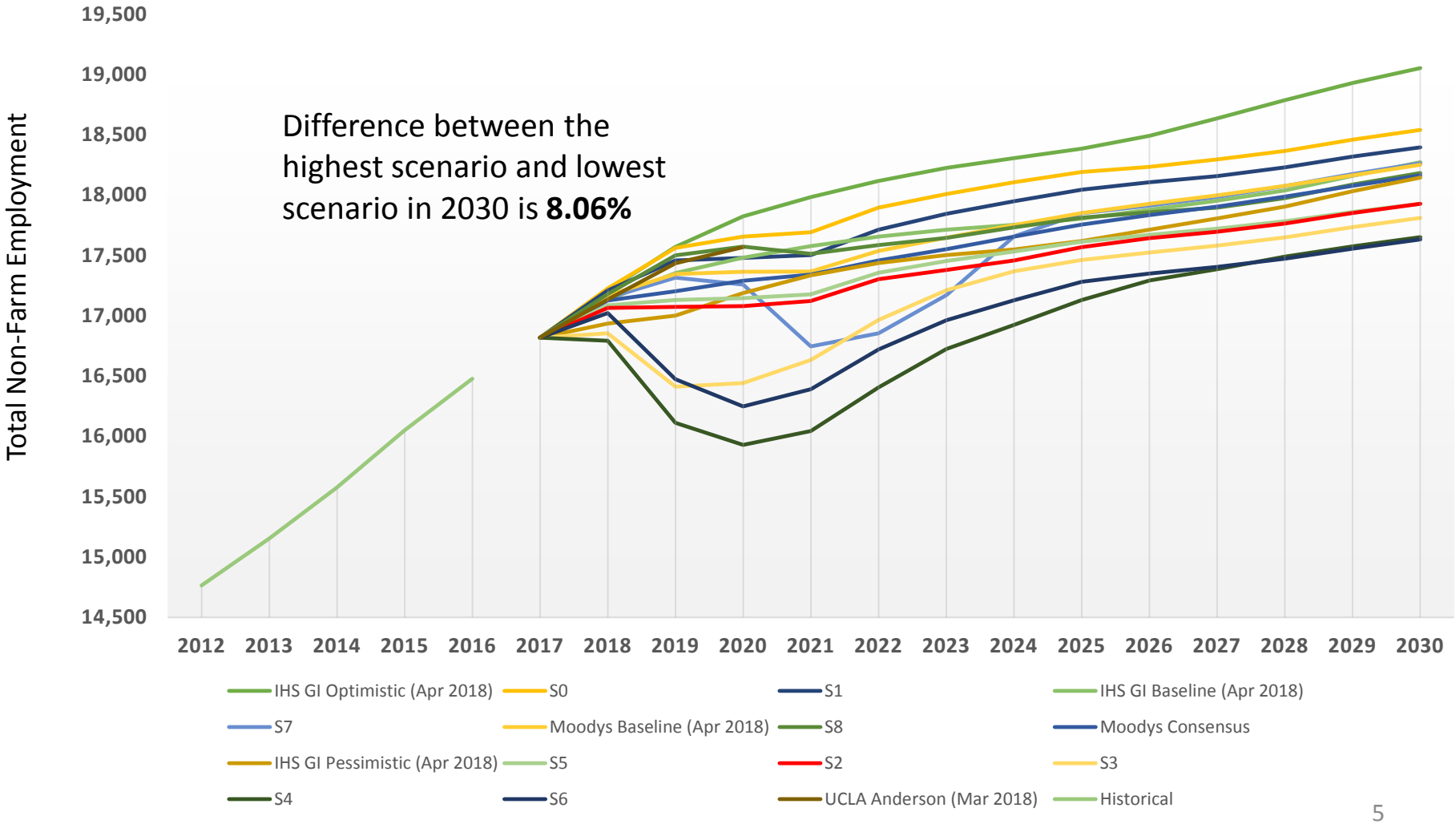
# Scenarios – Personal Income






Source: Moody's Analytics, IHS Global Inc., and UCLA Anderson Forecast

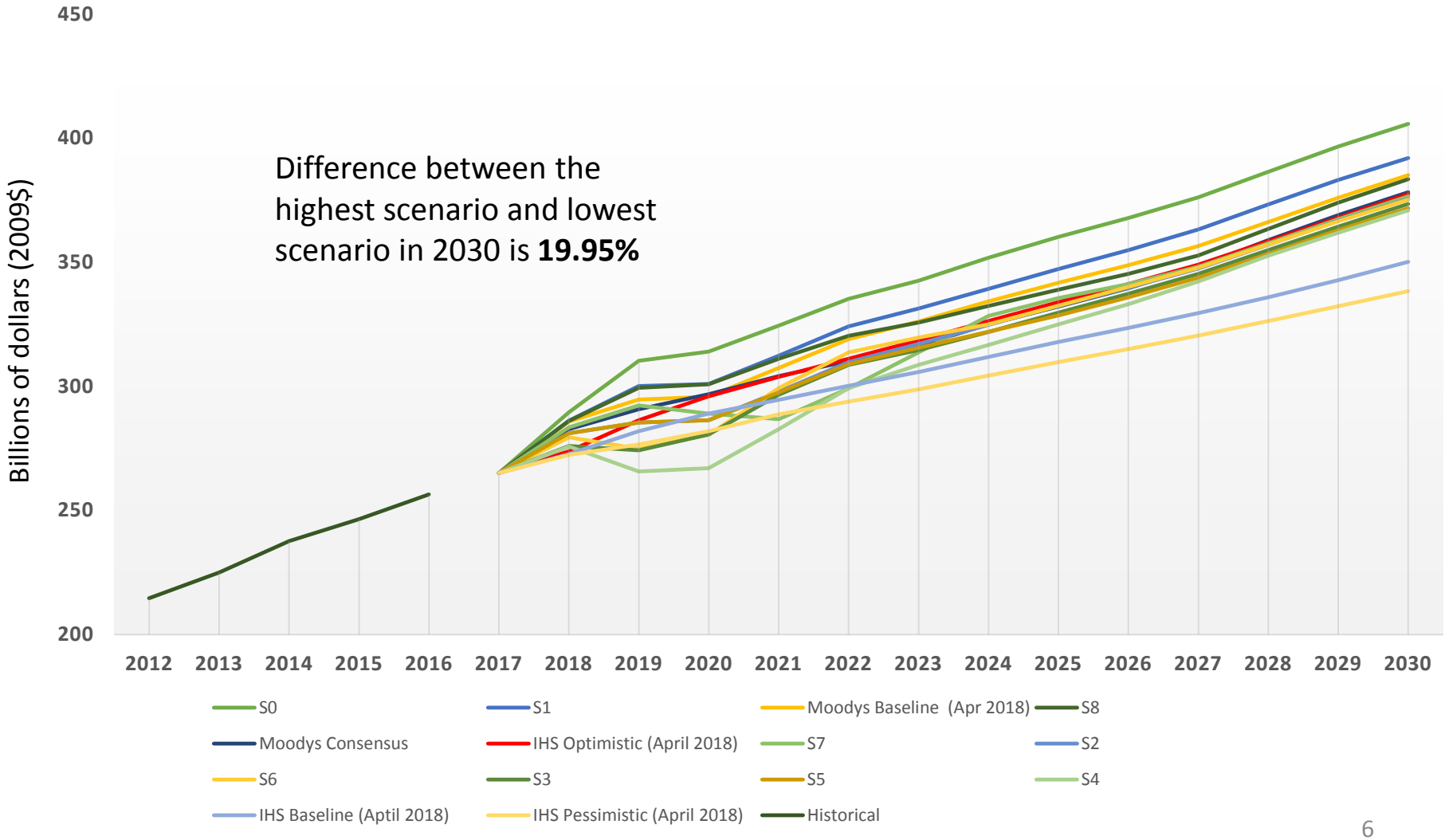
# Scenarios – Employment






Source: Moody's Analytics, IHS Global Inc., and UCLA Anderson Forecast

# Scenarios – Manufacturing Output





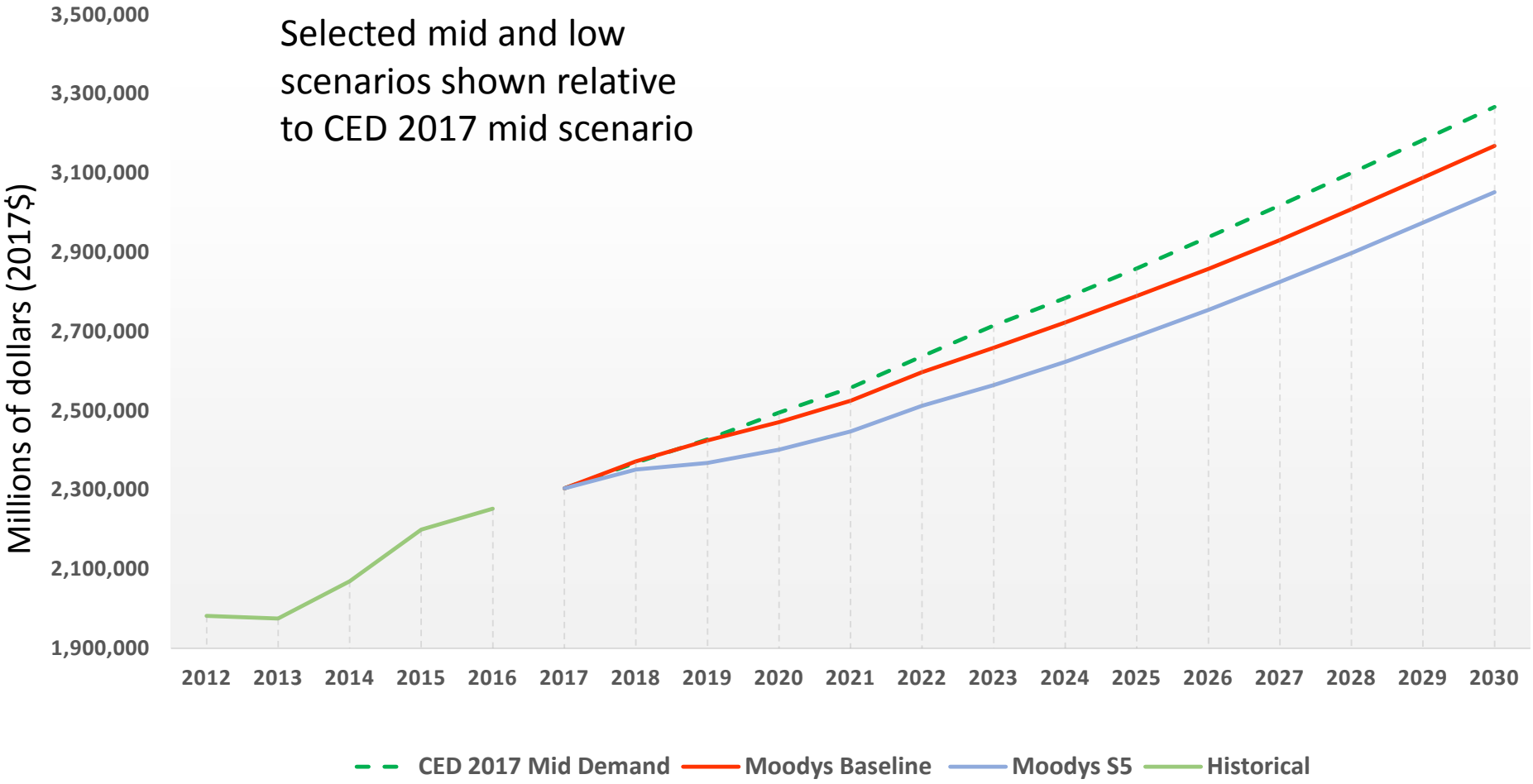

Source: Moody's Analytics and IHS Global Inc.

# Other Key Economic Drivers

| Population | Number of Households |
|---|---|
| Household Size | Agricultural Output |
| Employment by Sector (construction, resource extraction, etc.) | Unemployment Rate |

- Each indicator incorporates 3 scenarios – high, mid, and low demand
- Moody's Analytics developed a special high demand scenario for the CEC

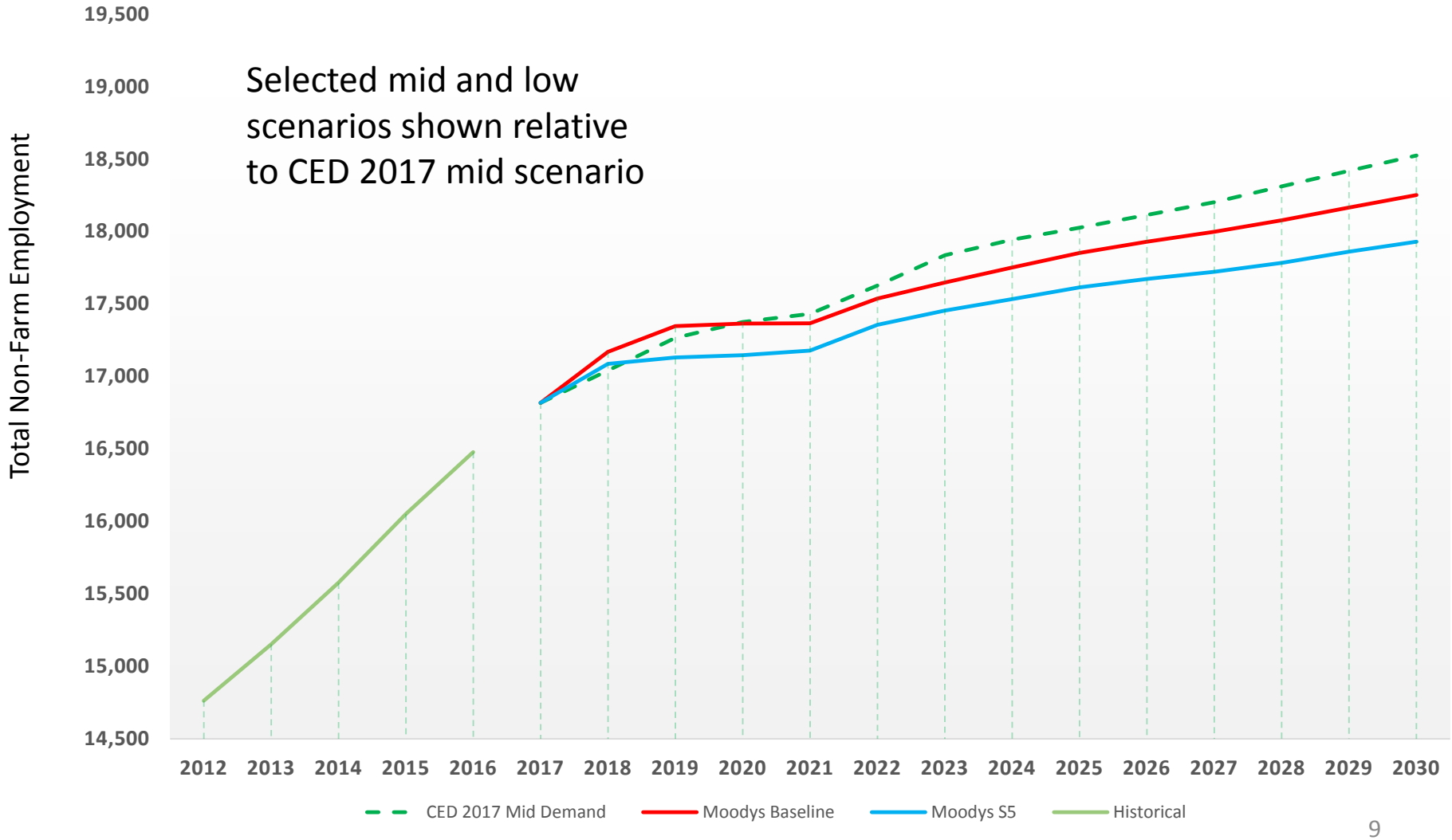
# Scenarios – Personal Income






Source: 2017 California Energy Demand Forecast and Moody's Analytics

# Scenarios – Employment

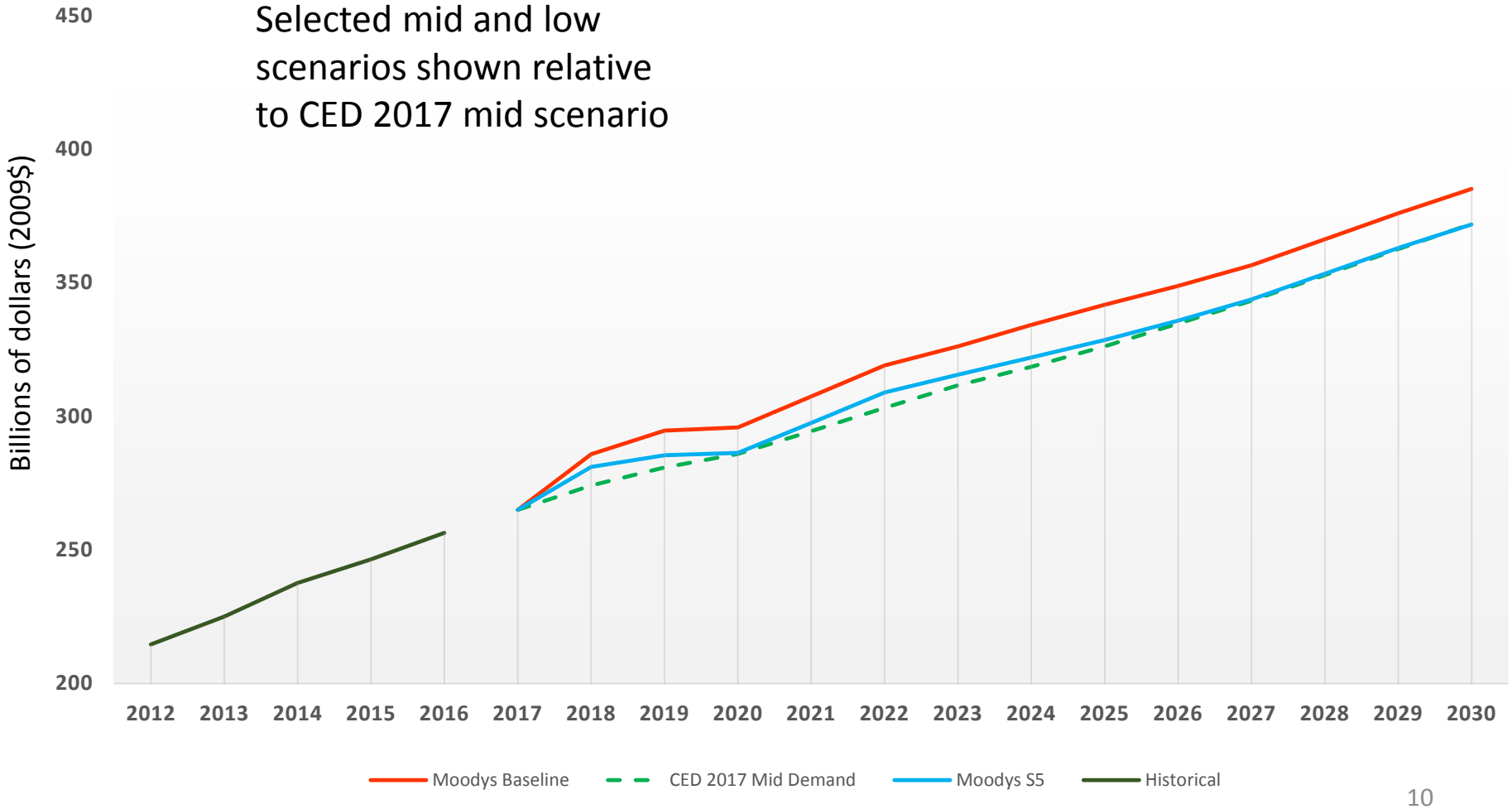





Source: 2017 California Energy Demand Forecast and Moody's Analytics

# Scenarios – Manufacturing Output

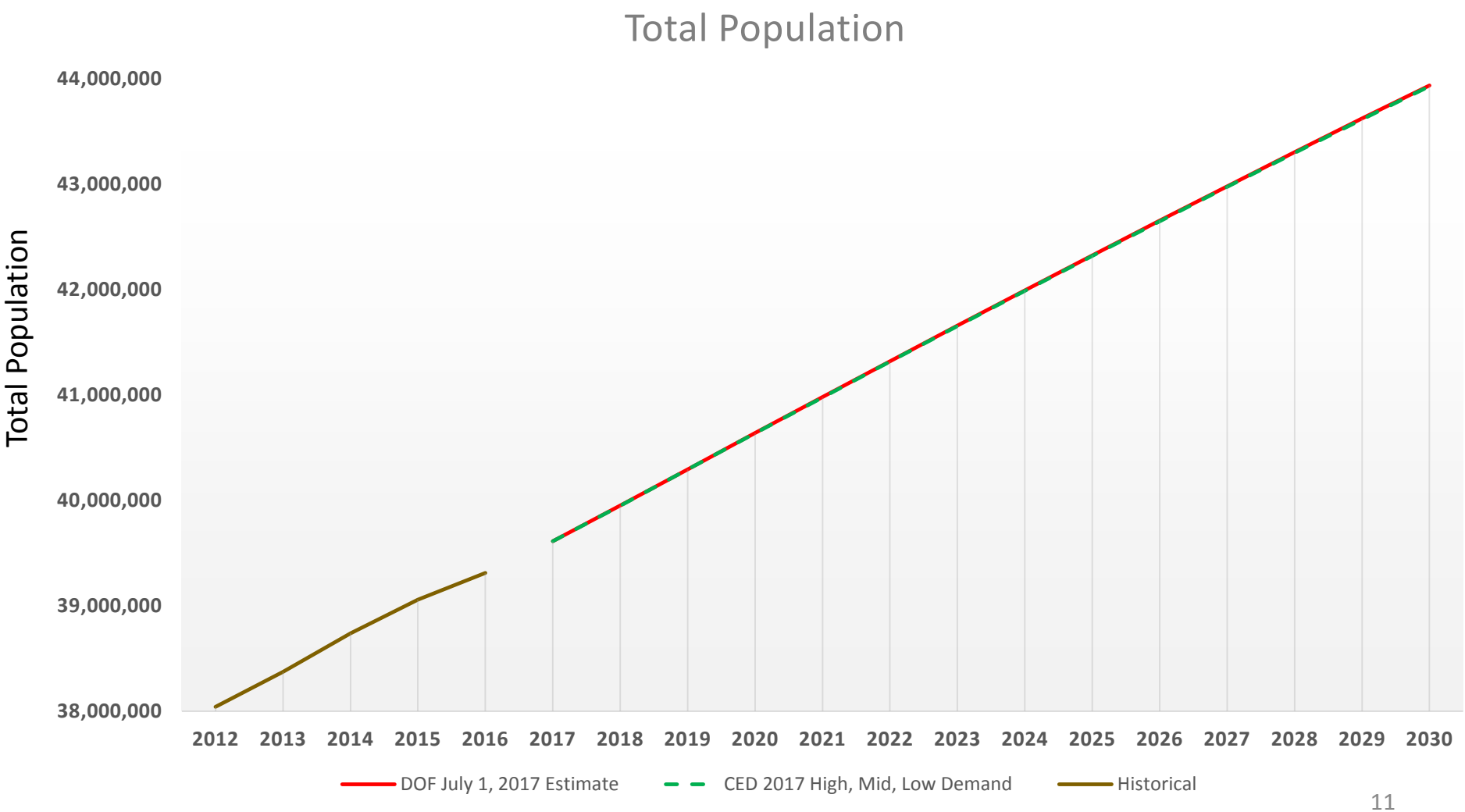
Selected mid and low scenarios shown relative to CED 2017 mid scenario






Source: 2017 California Energy Demand Forecast and Moody's Analytics

# Total Population






Source California Department of Finance

# Questions/Comments?