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2024 California Energy Demand Forecast Update



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May 16, 2024



Today's Workshop Goals

- Hear from stakeholders about areas of load growth in the state
 - Approximate magnitude
 - Estimated timing
 - Regions impacted



Agenda

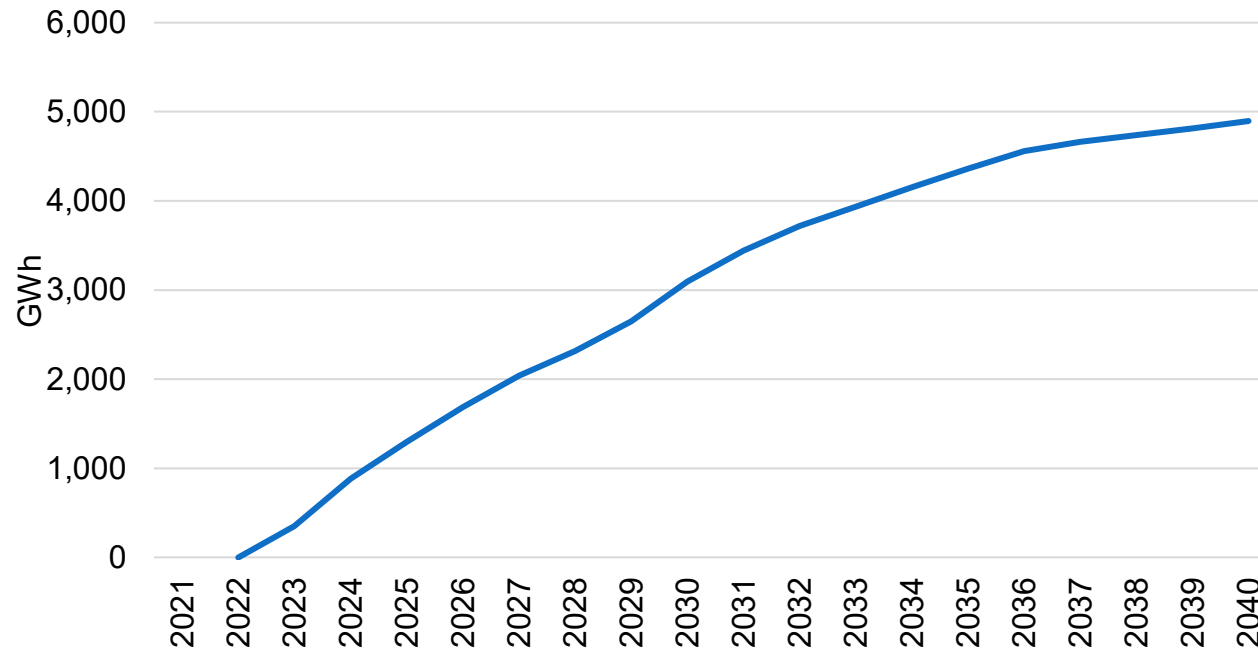
- Morning Session
 - SDG&E, PG&E, and SCE
- Afternoon Session
 - New data centers
 - Electrification in the ag sector
 - Electricity needs for hydrogen production
 - State's plans to attract more manufacturing



Data Centers (2023 IEPR)

- Embedded in the commercial sector forecast
- Includes an adjustment for additional new load in Silicon Valley Power's territory

Adjustment for New Data Centers in SVP Territory



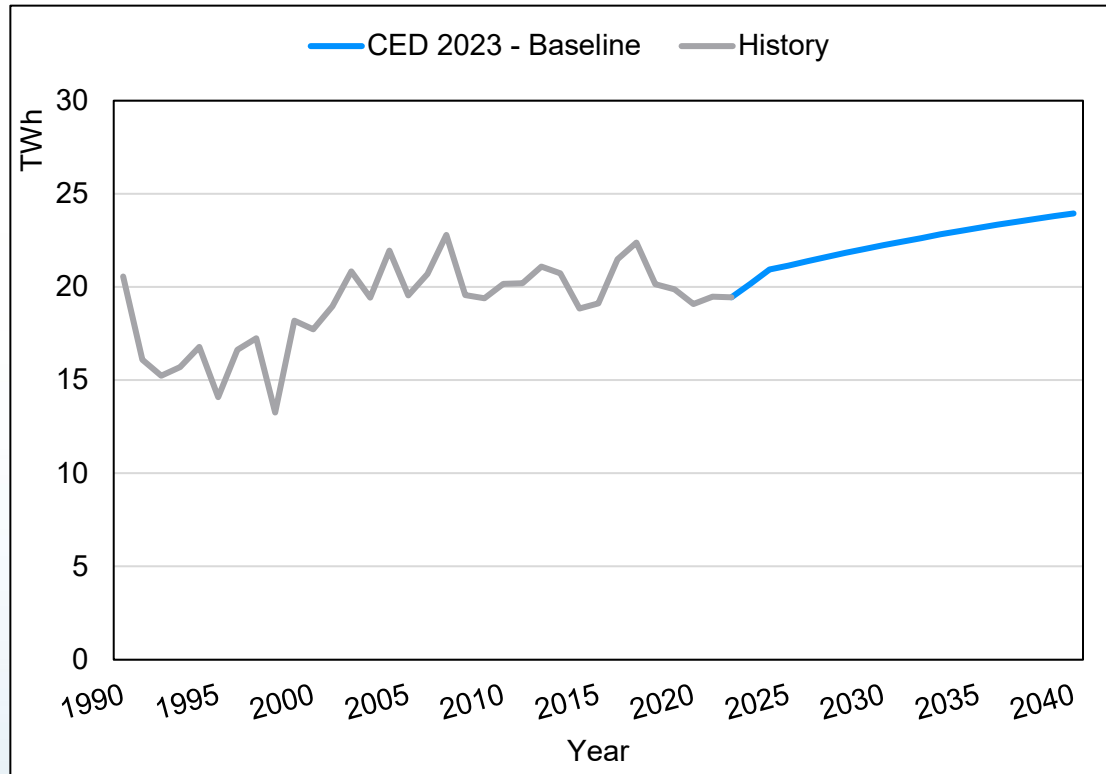
Source: CEC staff (2023 IEPR)



Ag Sector (2023 IEPR)

- Electricity consumption is largely dependent on water pumping

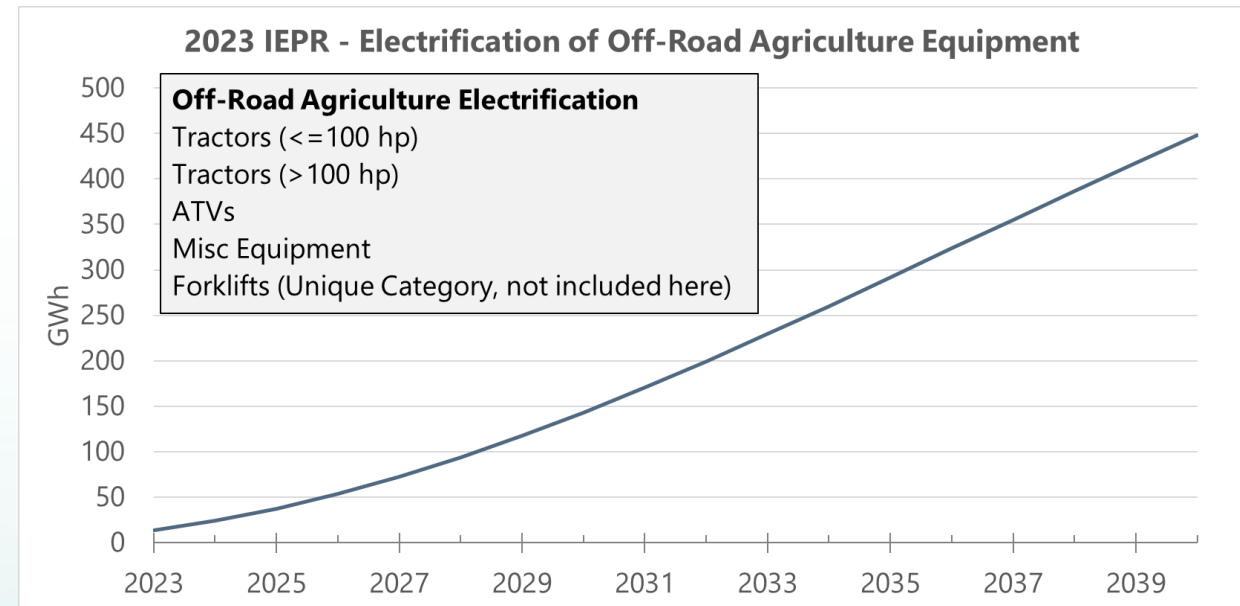
Statewide Agricultural Electricity Consumption



Source: CEC staff (2023 IEPR)

- On-road ag vehicles embedded in the transportation forecast
- Offroad includes tractors, ATVs and other equipment

Offroad Agriculture Equipment Forecast



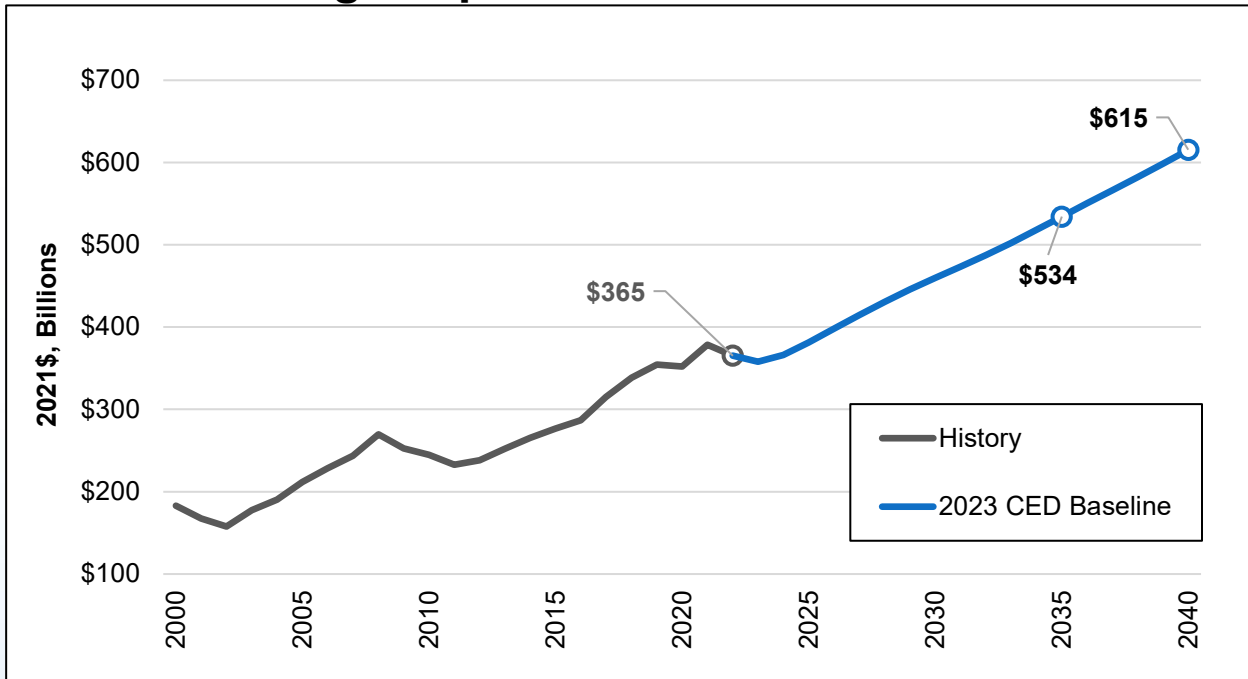
Source: CEC staff (2023 IEPR)



Industrial Sector (2023 IEPR)

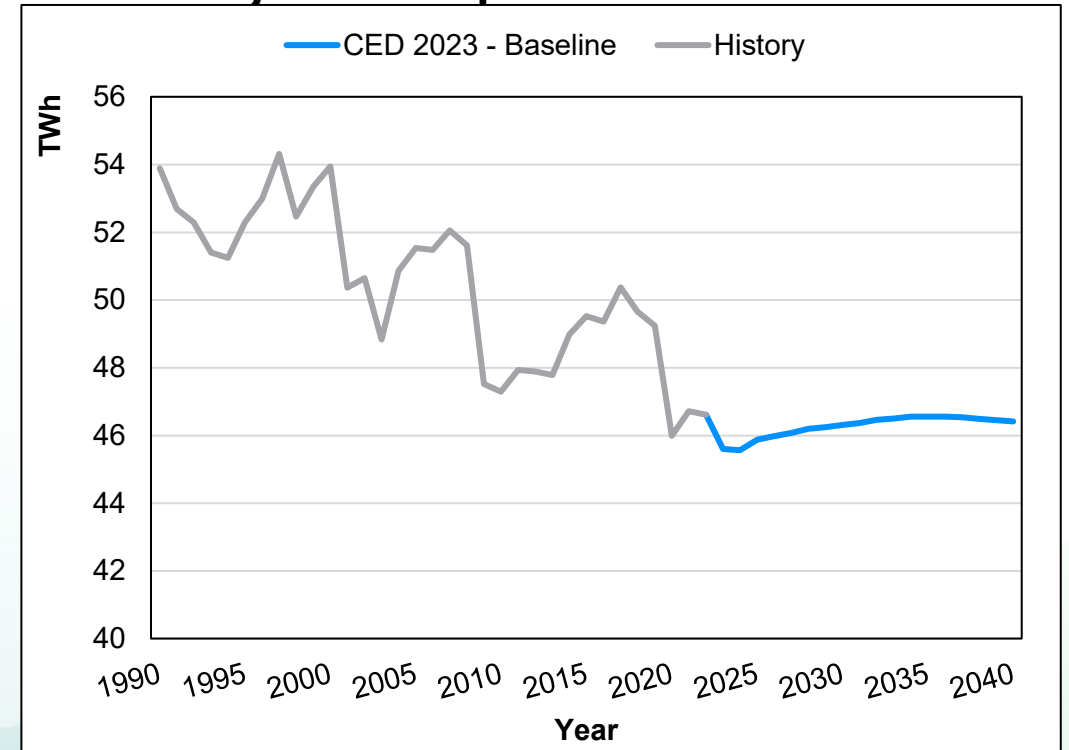
- Forecasted growth in manufacturing output
- Electricity consumption has been declining and is forecasted to be relatively flat

Manufacturing Output



Source: Moody's

Electricity Consumption



Source: CEC staff (2023 IEPR)



IEPR Workshop Timeline

Topic	Date
Load Growth Areas	May 16 (today)
Hourly Forecast Updates	July 30
Load Modifier Results	November 7
Overall Forecast Results	December 12
Forecast Adoption	January 2025 Business Meeting



Thank you!