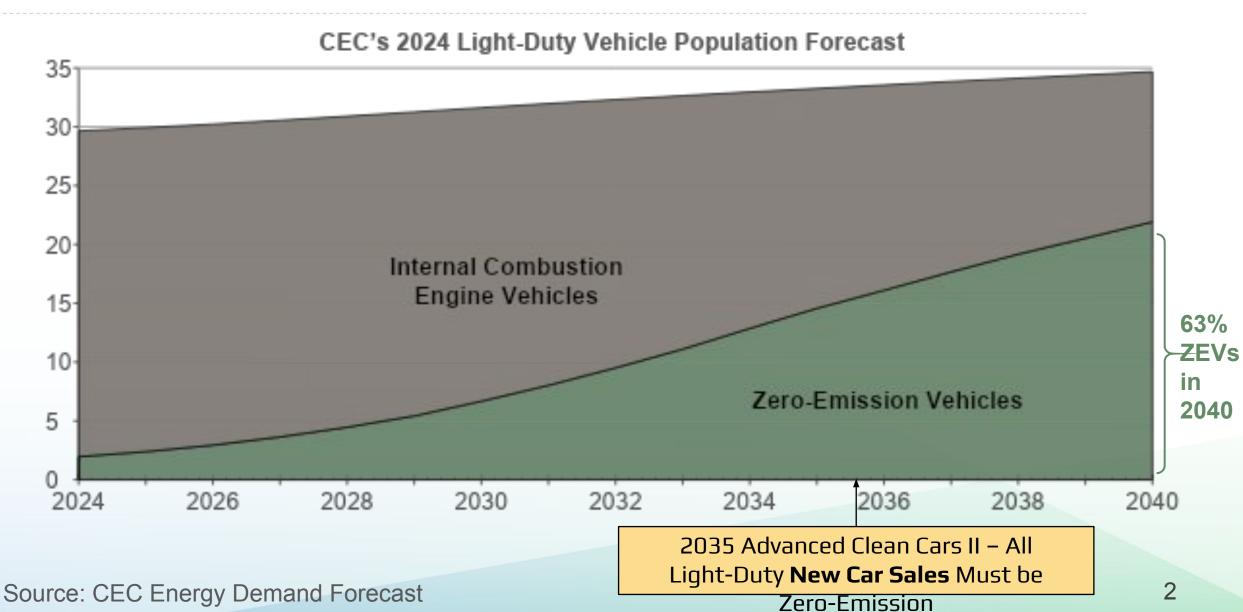


# California's Transportation Fuels Transition Plan

Quentin Gee, Ph.D. Energy Assessments Division April 21, 2025



## Electric Vehicle Adoption will Increase





#### Senate Bill X1-2

- October 2022 price spike ☐ \$6.21 per gallon statewide average
  - ☐ Some isolated stations approached \$10
- Senate Bill 2 of the first extraordinary session (X1) of 2023
- Transportation Fuels Assessment
  - ☐ Understanding the gasoline fuels market
  - ☐ Policies to help reduce price spike risk
- Transportation Fuels Transition Plan in Collaboration with CARB
  - Policies to transition away smoothly
  - □ Considers factors beyond price









#### Major Gasoline Refineries in California

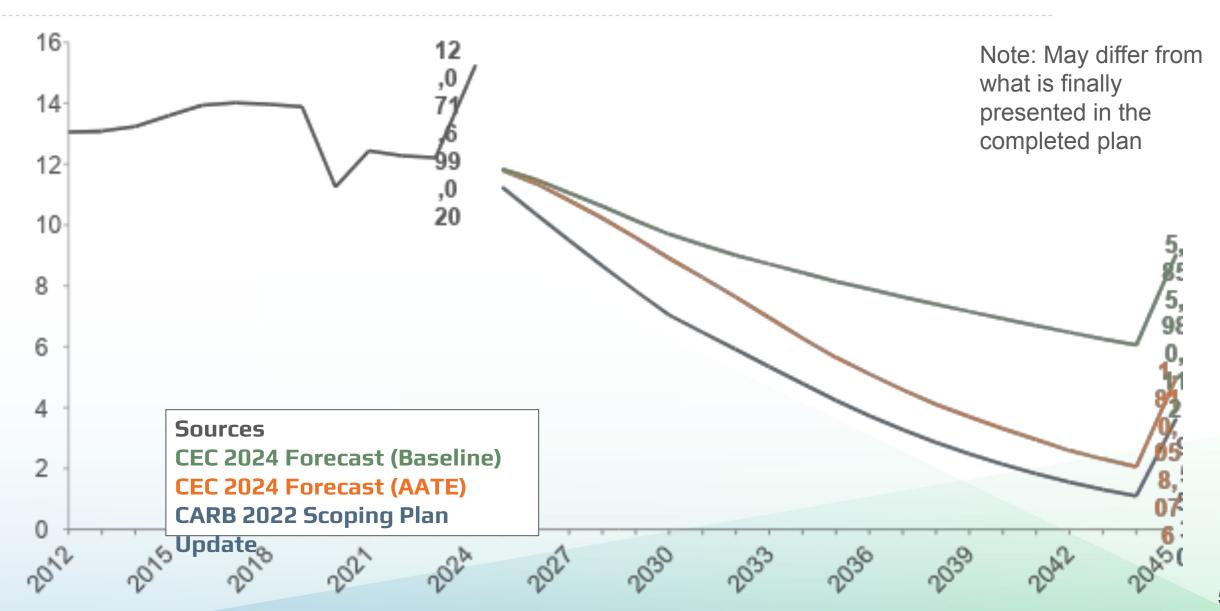
#### California Is a Fuel Island

- Fuel pipelines only export (AZ and NV)
- No pipeline imports
- Marine cargo imports only
- Unique gasoline specification
- Pipelines from refineries send fuel to different racks (then trucked to stations)





## **Gasoline Demand Scenarios**





### Benefits and Challenges for the Transition

#### **Benefits**

- Addressing climate change
- Cleaner local air
- Continued environmental and energy efficiency leadership
- Potential fuel savings for drivers (and the grid)
- Increased energy independence with electric vehicles

#### **Challenges**

- Loss of tax base from refiners
- Employment
- Price stability (on a fuel island)
- Jet fuel and refinery dynamics
- Import/export logistics

# Thank You!

Questions?



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