

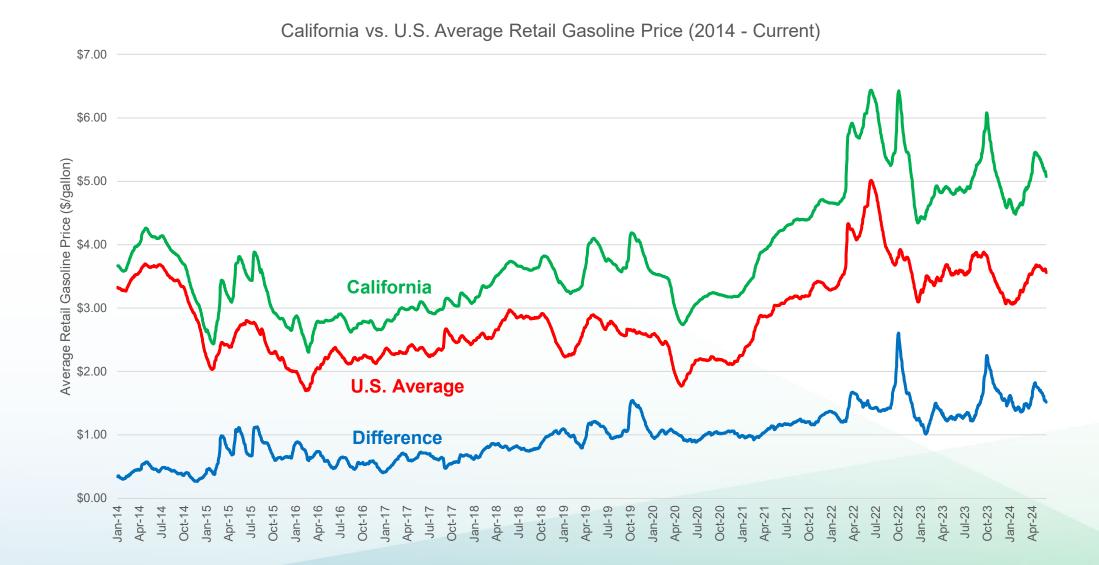
Phasing Out Oil Refining in California: Implications for Health and Workers

Siva Gunda

Vice Chair, California Energy Commission

July 25, 2024





SB X1-2 – *Requirements Overview*



Data Collection & Monitoring



Market Oversight Analysis



Transportation Fuels Assessment



Refinery Maintenance Monitoring



Refining Margin Establishment and Penalty Determination

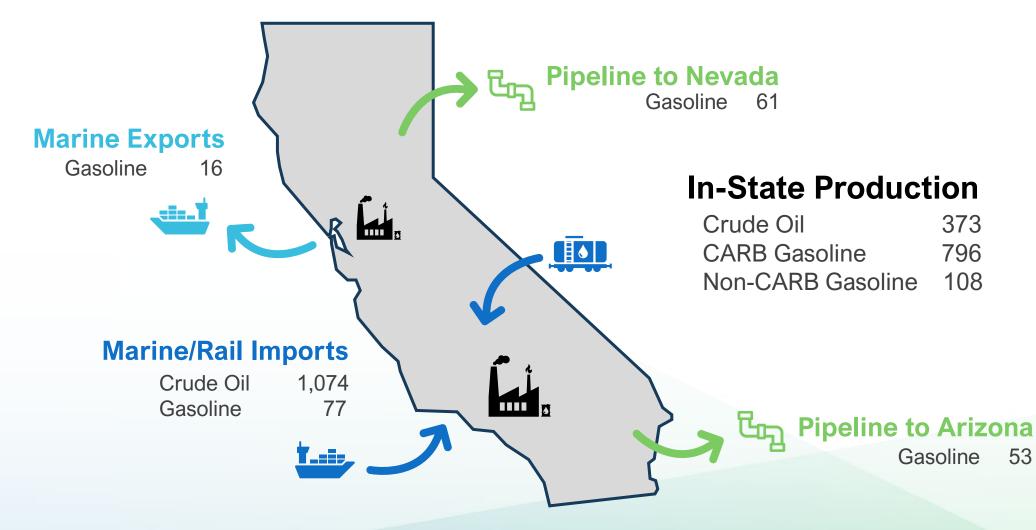


Fuels Transition Plan (w/ CARB)



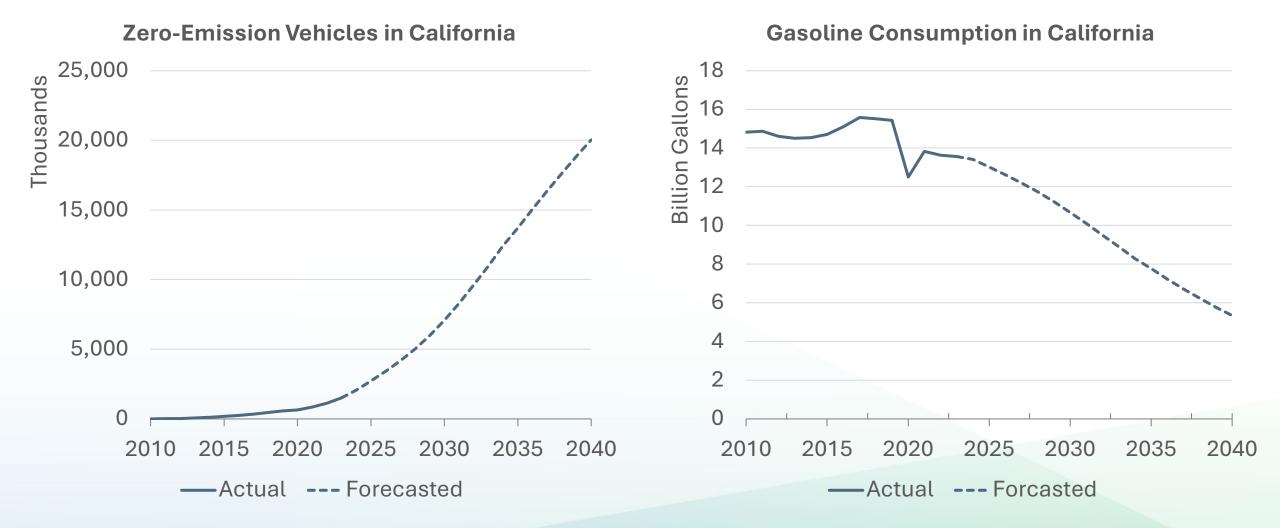






(Amounts shown in thousands of barrels per day)

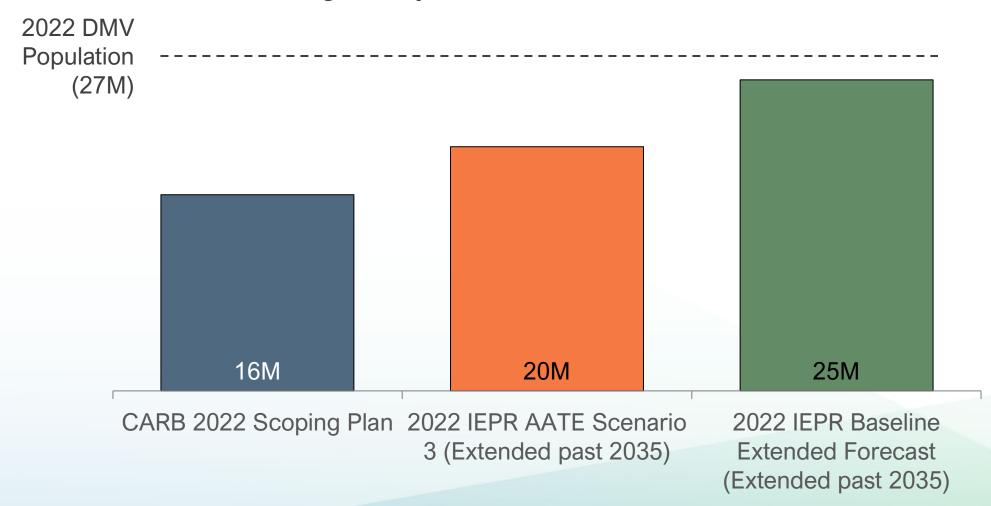




Sources: 2023 Integrated Energy Policy Report, DMV, Tax and Fee Administration

Combustion Vehicles will Phase Out but Need Fuel for Decades

2035 Light-Duty Combustion Vehicles on the Road







SUPPLY

Refinery Production

Marine Imports

Gasoline Inventories

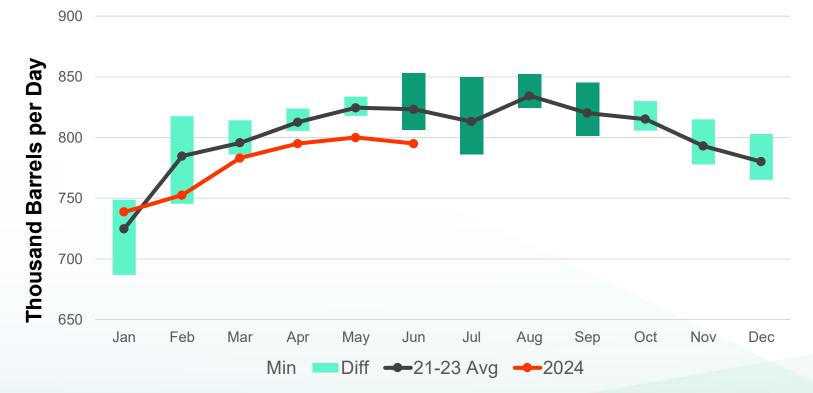
DEMAND



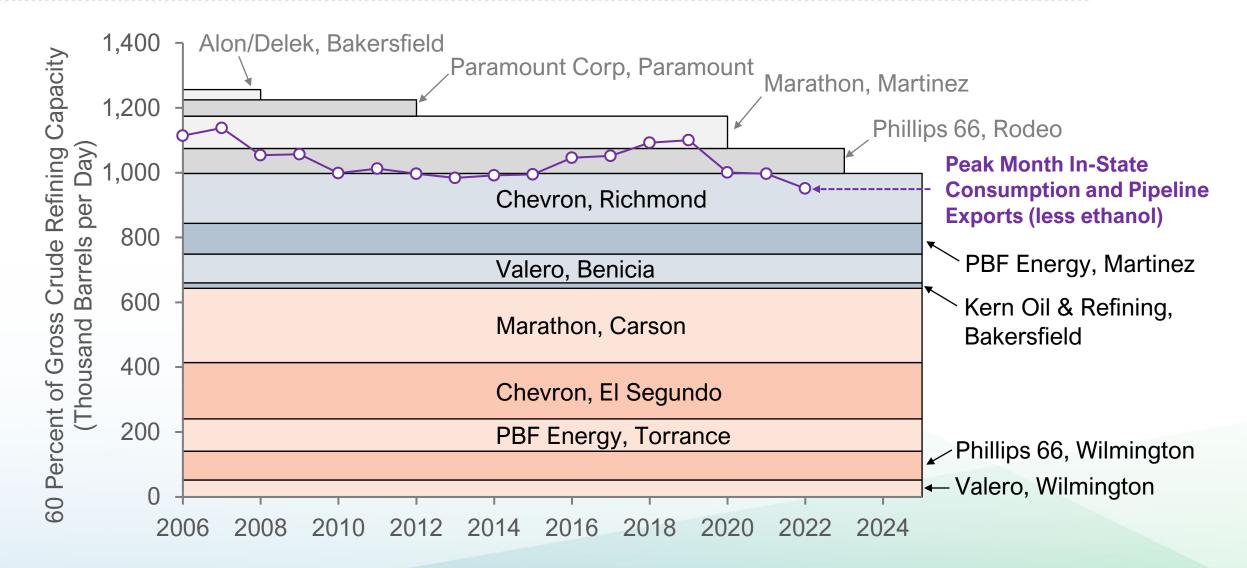
Gasoline Demand



Average Daily CARBOB Demand by Month (Jan 2021-Current)



Estimated Gasoline Refinery Capacity



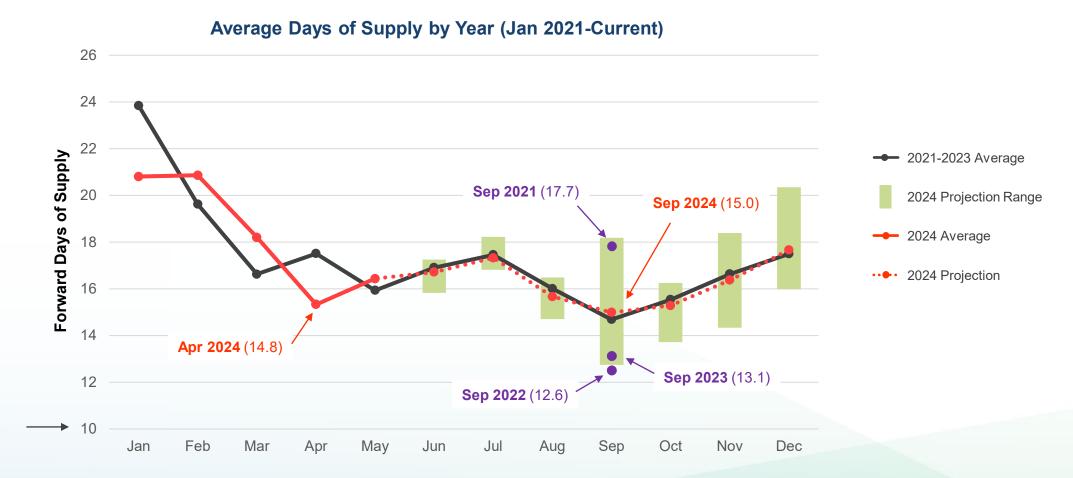




Forward Days of Supply Metric

As Days of Supply fall...





Source: Production from CEC <u>Weekly Fuels Watch Dashboard</u>. Gasoline stocks from EIA <u>West Coast (PADD 5) Stocks of Crude Oil and Petroleum Products (eia.gov)</u>



Policy Options

Storage

Fuel Blends

Highly Complex

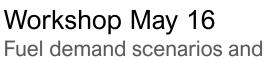
Imports

- State-supported storageStorage requirements
- Fuel Blends: 15% Ethanol
- Regional Blends
- Non-CARBOB Blends
- Gas Price Stabilization Fund
- Public utility model
- State ownership
- Resupply Compensation
- Railcar Replenishment
- State-managed imports

Demand Strategies

- Enhanced ZEV Access
- VMT Reduction Strategies
- Fuel Conservation

Progress



assessment framework

Workshop August 17

Confirm demand scenarios, price spike policy and mitigation options

Draft report published Public workshop on May 3

Final report The final report will be published in Q3



Draft Transition Plan Work Plan (in coordination with CARB)

Working Group	Community Meetings	Petroleum Refining Supply Technical Contract
		ICF Contract Kickoff July 2024
WG Meeting #1: Assessing fuel supply strategies from CEC's Transportation Fuels Assessment		
WG Meeting #2: Supply and Demand- Planning for Diminished In- State Fuel Demand	Community Mtg #1 (Northern California)	 Draft range of fuel and export volumes
WG Meeting #3: Equitable Transition of the Workforce	Community Mtg #2 (Southern California)	 Final range of fuel and export volumes Draft analysis of staged refinery transitions

Thank You!

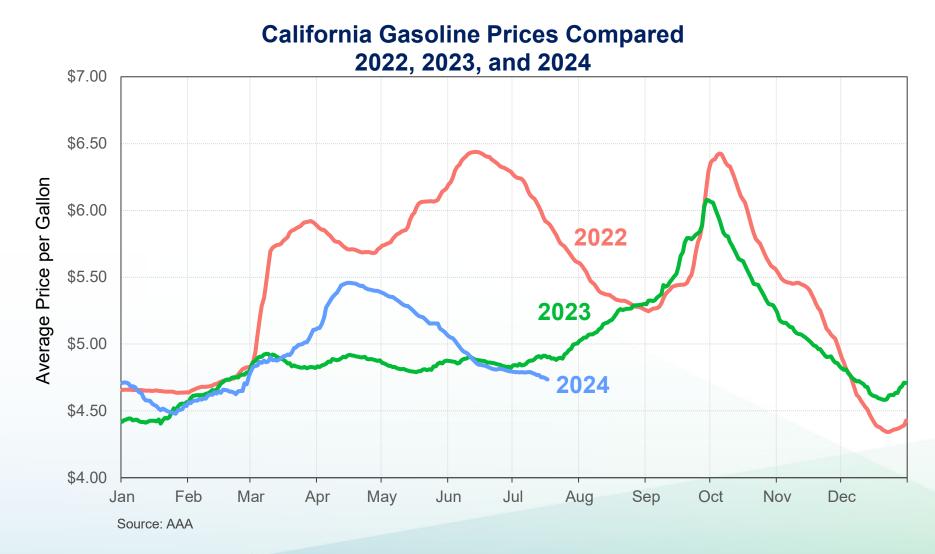


Siva Gunda Vice Chair

Extra Slides







7/25/2024

"A reliable supply of affordable and safe transportation fuels in California"

