DOCKETED	
Docket Number:	23-SB-02
Project Title:	SB X1-2 Implementation
TN #:	258639
Document Title:	Presentation - CEC - Gasoline Supply Reliability Workshop
Description:	SB X1-2: Market Liquidity and Gasoline Supply Considerations Jeremy Smith Deputy Director, Energy Assessments Division August 22, 2024
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Organization:	California Energy Commission
Submitter Role:	Commission Staff
Submission Date:	8/22/2024 1:26:47 PM
Docketed Date:	8/22/2024



Jeremy Smith
Deputy Director, Energy Assessments Division
August 22, 2024



Housekeeping

- Meeting is being recorded.
- Attendees may participate today by:
 - Making comments during public comment period
 - Submitting written comments, due by 5 p.m. September
 10.



Purpose of Today's Workshop

- Provide insight into DIR's role in refinery maintenance, worker safety, and the type of data they collect.
- Provide an update on supply, demand, and price trends observed in the data collected under SB X1-2.
- Present impact of supply conditions on prices.
- Present conceptual frameworks for refinery maintenance resupply and minimum inventory requirements.

Agenda ENERGY COMMISSION Agenda

- Welcome
- Opening Comments from the Dais
- Presentations
 - Zohra Azim, Department of Industrial Relations
 - Jeremy Smith, Energy Assessments Division
 - Varsha Sarveshwar, Division of Petroleum Market Oversight
- Comments from the Dais
- Public Comment
- Adjourn



Opening Comments from the Dais



Public Safety and Refinery Maintenance

Zohra Azim
Senior Safety Engineer, Department of Industrial Relations



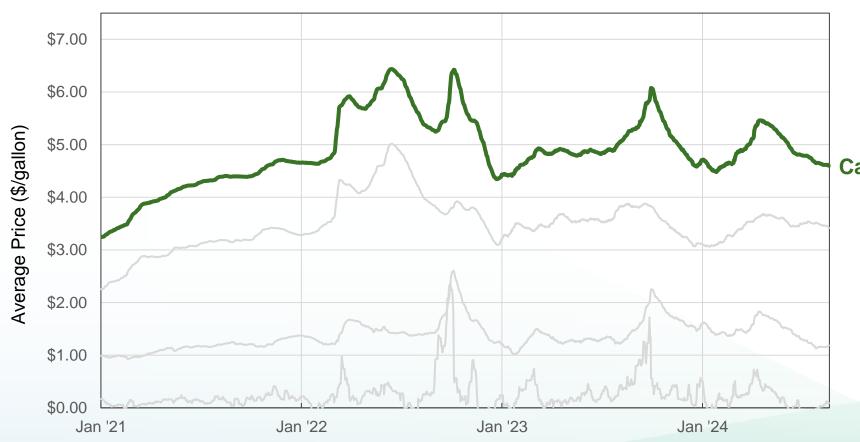
Market Liquidity and Gasoline Supply Considerations

Jeremy Smith
Deputy Director, Energy Assessments Division



California Retail Price

Gasoline Price Trends (2021-Current)

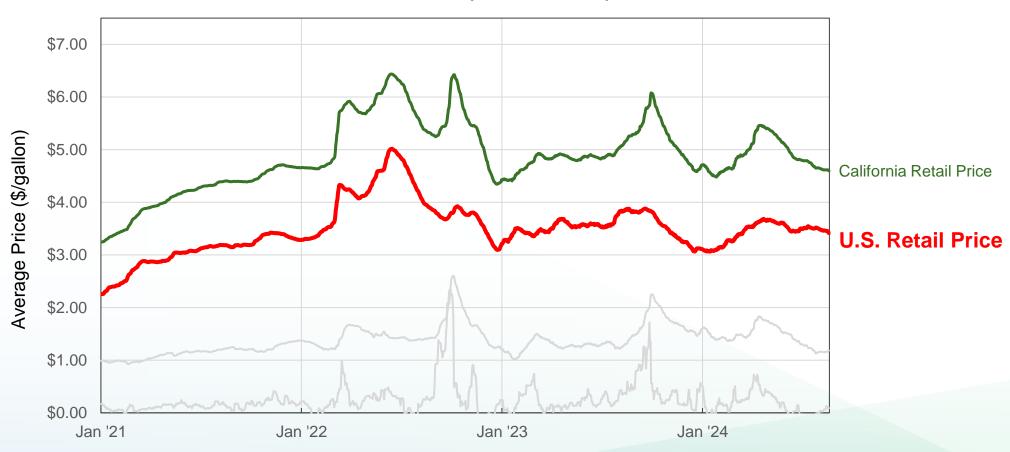


California Retail Price



U.S. Retail Price

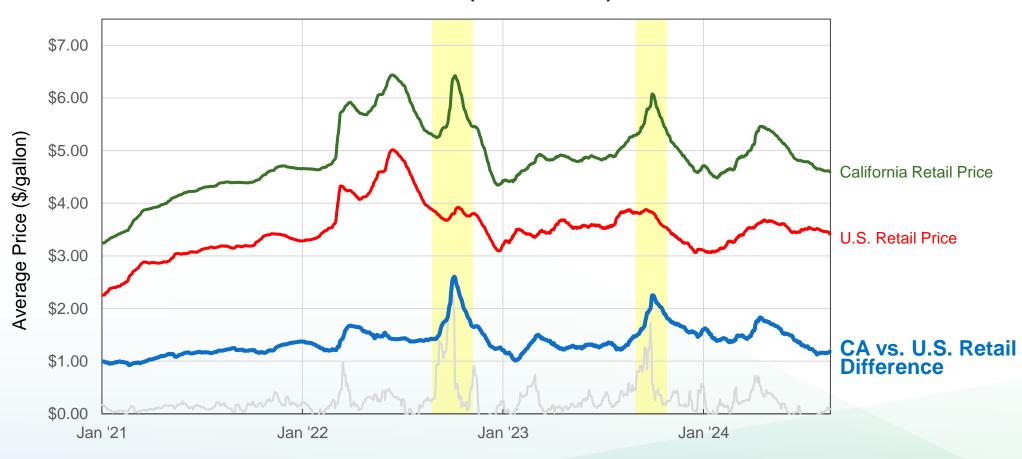
Gasoline Price Trends (2021-Current)





CA vs. U.S. Retail Price

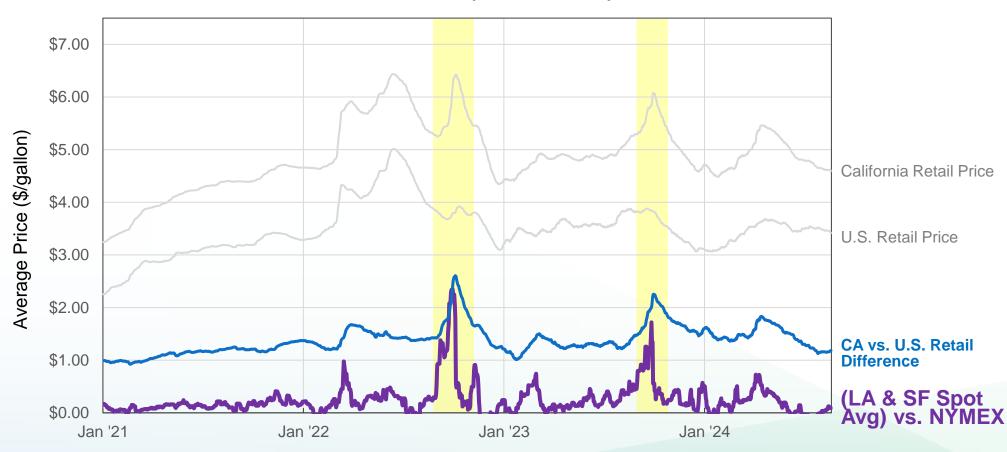
Gasoline Price Trends (2021-Current)





California Gasoline Spot Price

Gasoline Price Trends (2021-Current)





California-Specific Market Dynamics



DEMAND

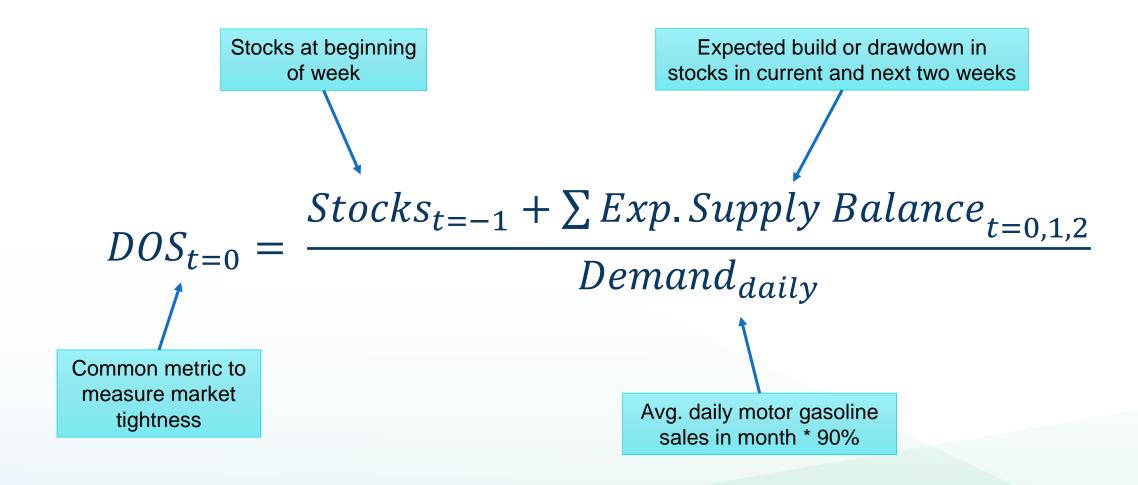
SUPPLY



Gasoline Demand



Days of Supply Metric

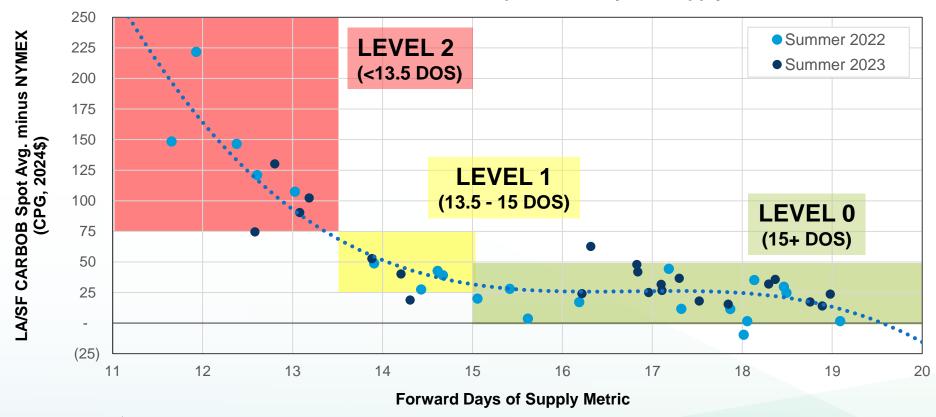




Establishing Price Risk Levels



Summer 2022 and 2023 Price Spread vs. Days of Supply



As Days of Supply fall...



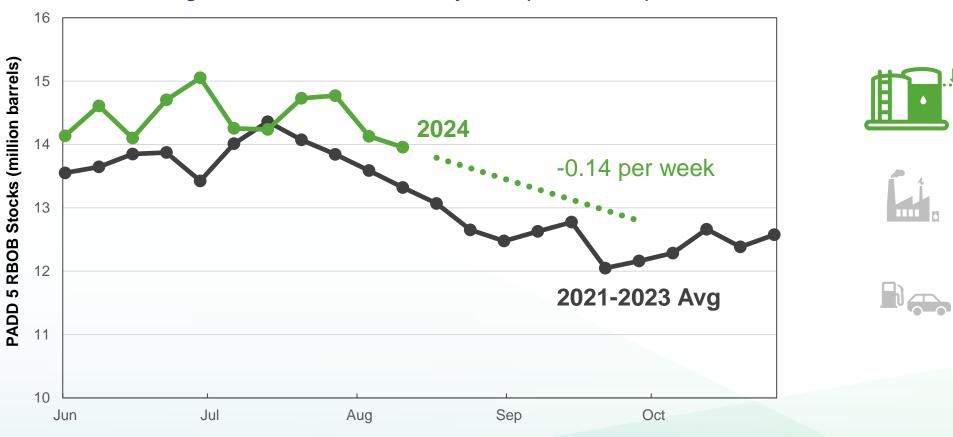
Supply/Demand Changes

- Refinery conversions to renewable diesel
- Seasonal (summer) demand increases
- ZEV adoption (long-term demand decrease)
- Refinery outages



Summer Inventory Trends

Average Summer Gasoline Stocks by Week (2021-Current)

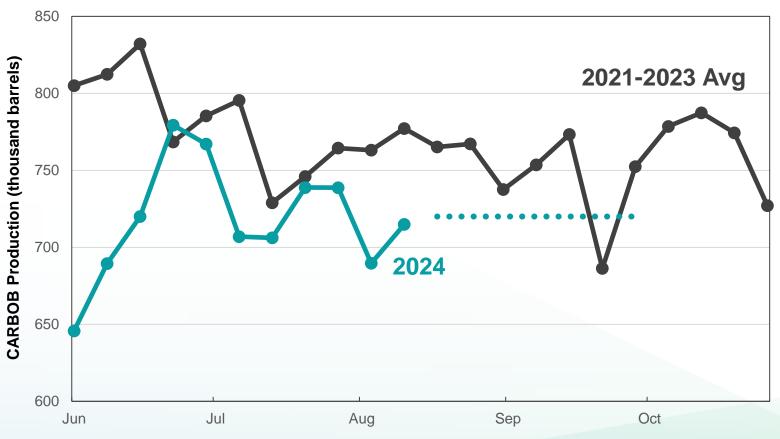


Source: Gasoline stocks from EIA West Coast (PADD 5) Stocks of Crude Oil and Petroleum Products (eia.gov)



Summer Production Trends

Average Daily Summer CARBOB Production by Week (2021-Current)







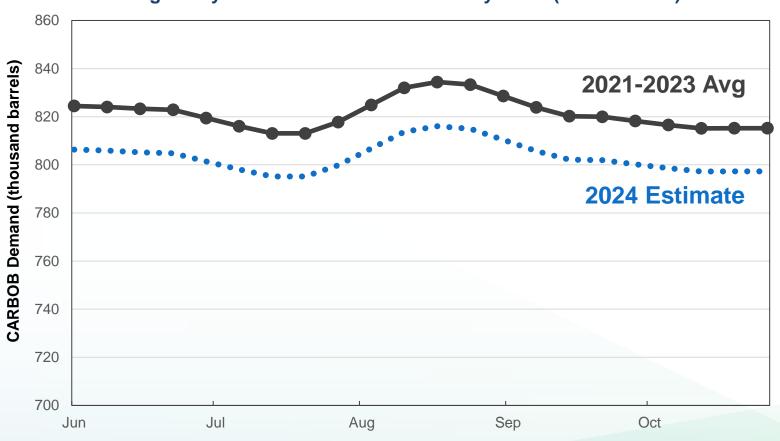


Source: Production from CEC Weekly Fuels Watch Dashboard.



Summer Demand Trends

Average Daily Summer CARBOB Demand by Week (2021-Current)



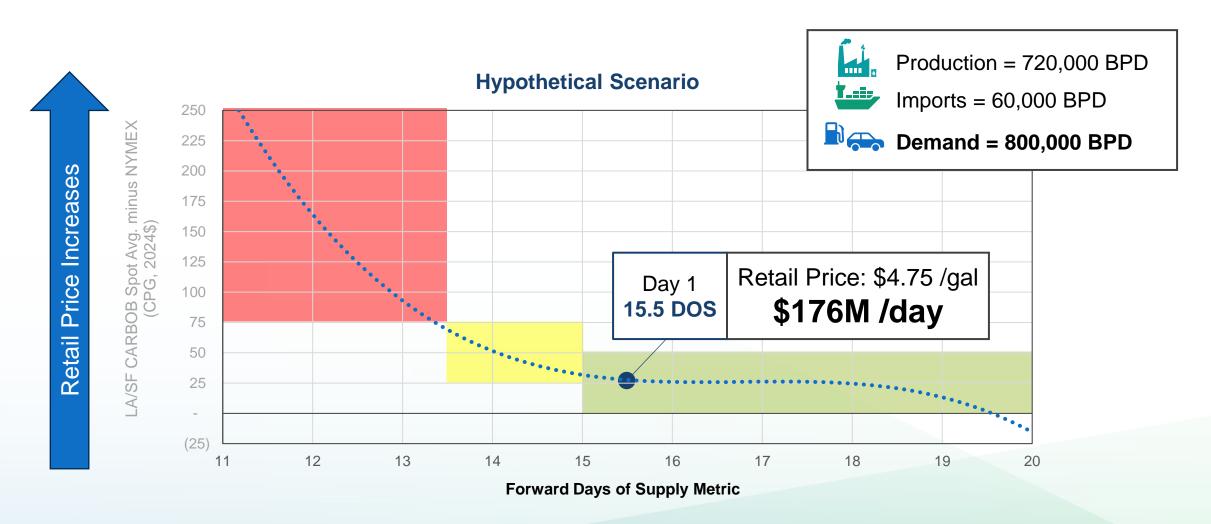




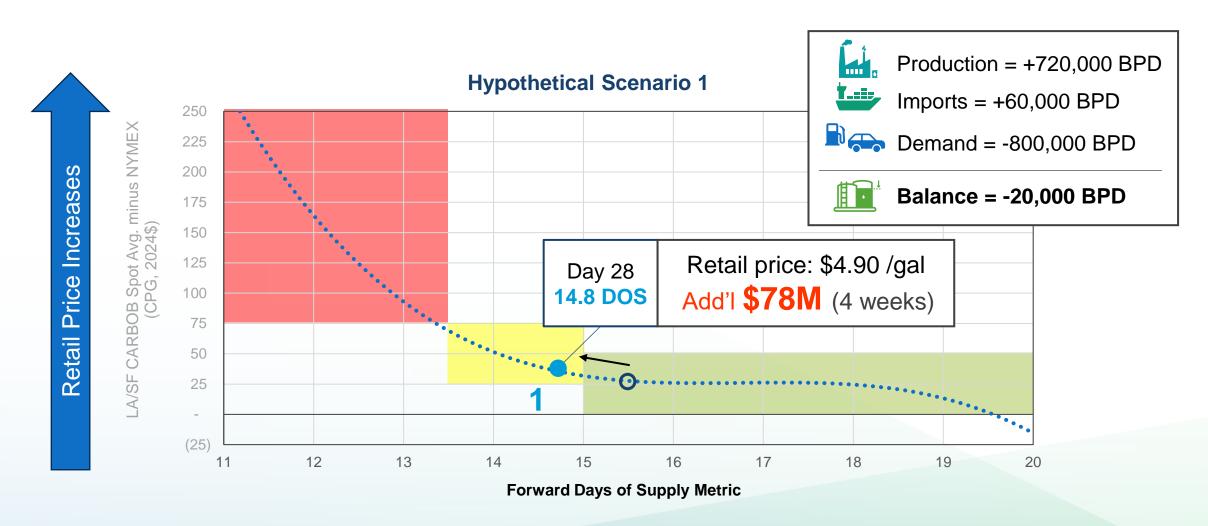


Source: California Department of Tax and Fee Administration (CDTFA) Fuel Taxes and Statistics Report
Note: Inferred CARBOB is an estimate of CARBOB using 90% of total gasoline (without Aviation Gasoline).

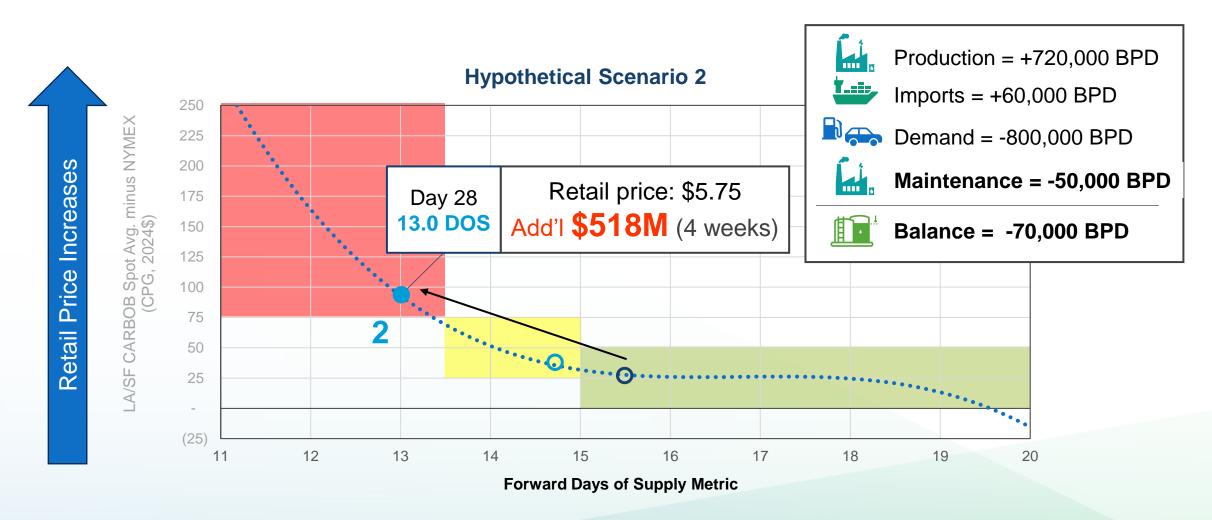




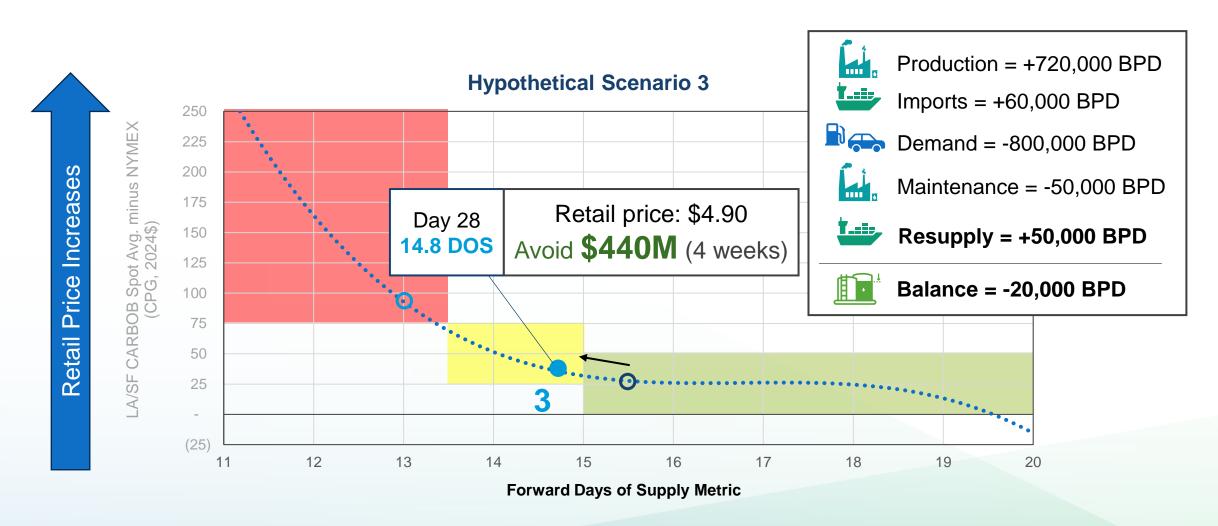














Other Considerations

- Actual supply and demand balance requires careful planning.
- Resupply can be accomplished through inventory build-up prior to a planned maintenance event or additional marine imports.
- Maintaining higher inventory levels should help mitigate the impact of sudden unplanned maintenance, which is common and can occur on short notice.



Thank you

Jeremy Smith
Deputy Director, Energy Assessments Division



Comments from the Dais



Written Comments

Submit written comments to:

- Docket No. 23-SB-02
- Due by 5:00 PM on Tuesday, September 10.



Public Comments

Zoom:

Use the "raise hand" feature.

Telephone:

- Dial *9 to raise your hand.
- Dial *6 to mute/unmute your phone line. You may also use the mute feature on your phone.

Zoom/phone participants, when called upon:

- Your microphone will be opened.
- Unmute your line.
- State and spell your name for the record, and then begin speaking.

Limited to one representative per organization.

Three-Minute Timer



Zohra Azim

Senior Safety Engineer
Division of Occupational Safety And Health
Department of Industrial Relations



Jeremy Smith

Deputy Director Energy Assessments Division California Energy Commission



Varsha Sarveshwar

Senior Policy Advisor Division of Petroleum Market Oversight

