

DOCKETED

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Project Title:	Electricity and Gas Demand Forecast
TN #:	251647
Document Title:	Presentation - Historic Zero-Emission Vehicle (ZEV) Trends
Description:	7A. Jesse Gage, CEC_23-08-18_IEPR_Presentation.
Filer:	Raquel Kravitz
Organization:	California Energy Commission
Submitter Role:	Commission Staff
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Historic Zero-Emission Vehicle (ZEV) Trends

2023 Integrated Energy Policy Report Workshop on California Electricity Demand Forecast

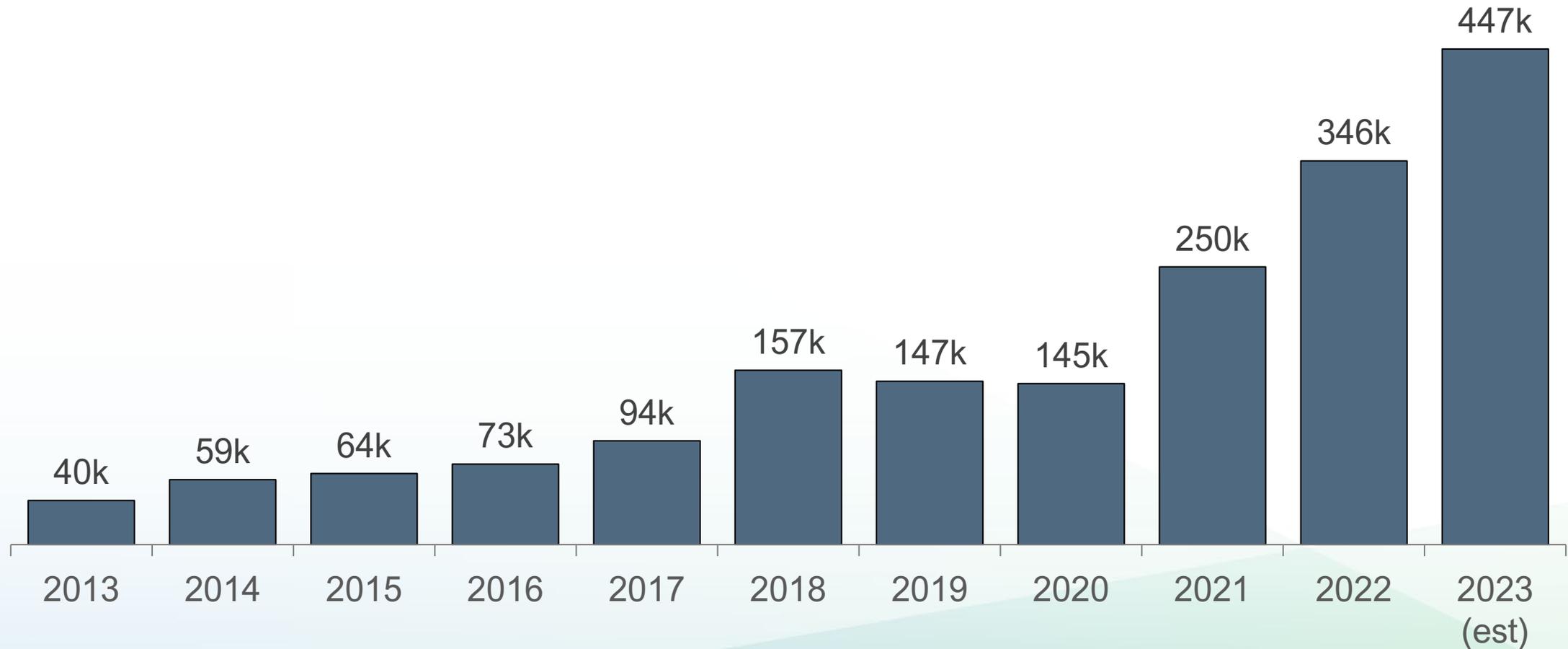
Jesse Gage, Energy Commission Specialist

August 18, 2023



Another Record Year for ZEV Sales

Annual Light-Duty ZEV Sales (2023 Simple Estimation)



Source: Staff analysis of DMV Vehicle Registration Database



More than One in Four LDVs Sold is Zero-Emission

2023 ZEV Sales

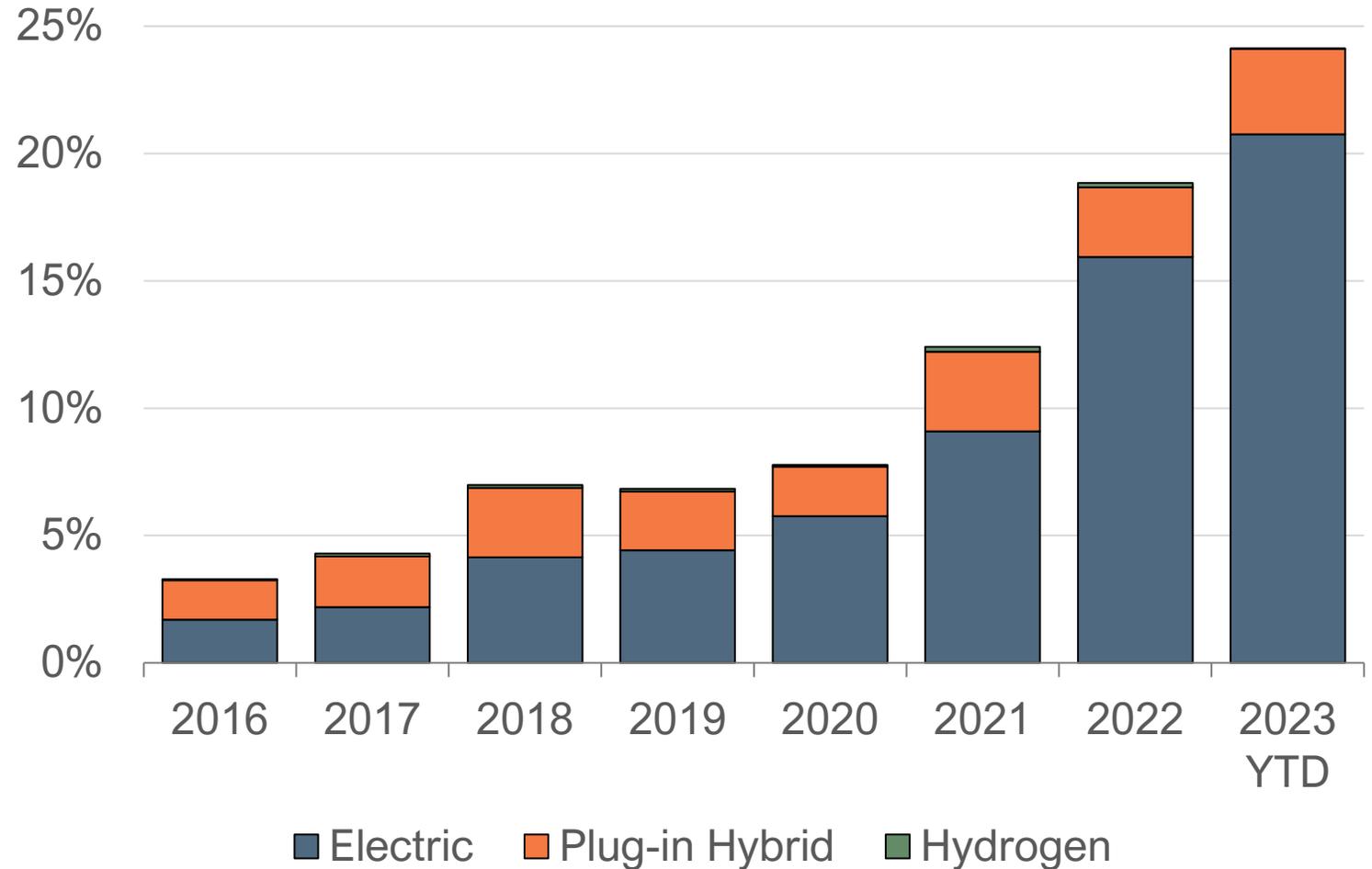
Year-to-Date

- 223,000 (24.3% of LDV)

2nd Quarter

- 126,000 (25.4% of LDV)

ZEV Sales Share

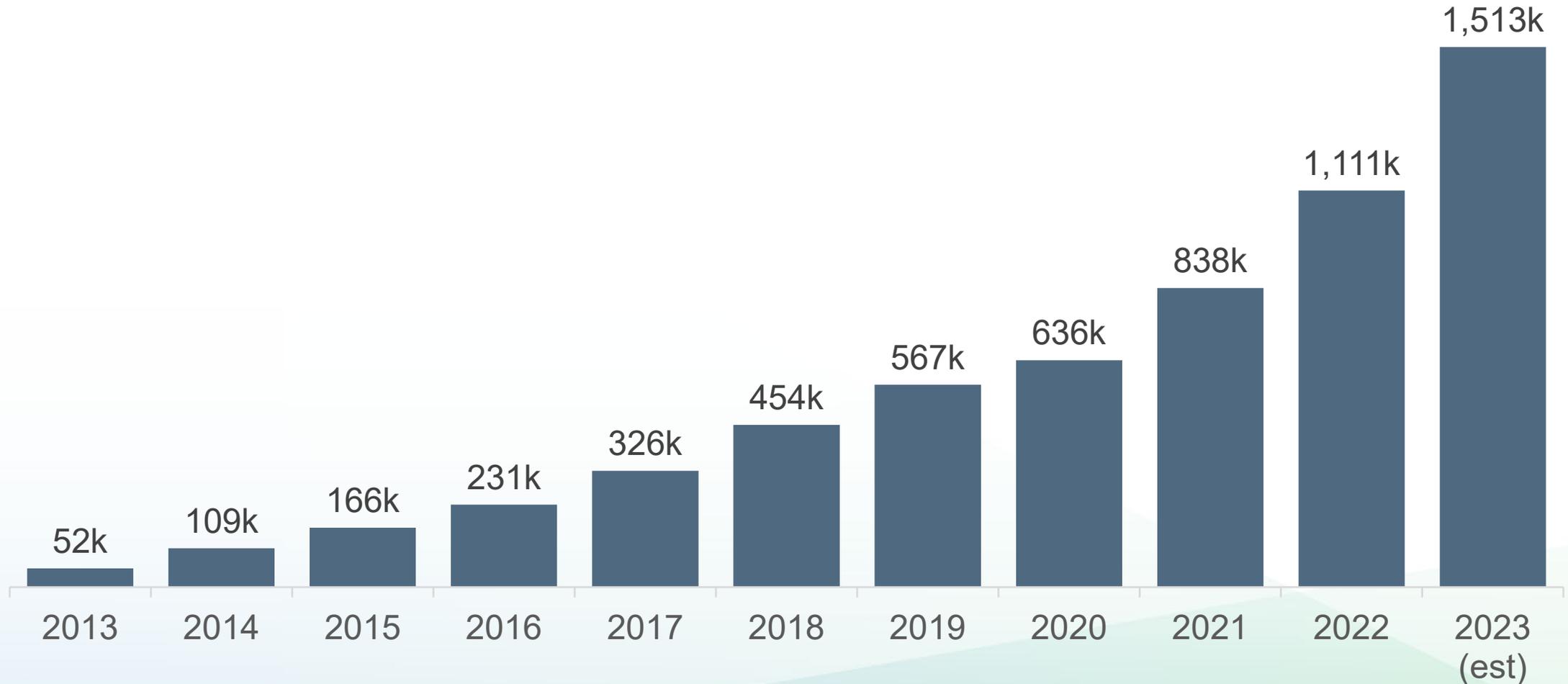


Source: Staff analysis of DMV Vehicle Registration Database



Nearing 1.5 Million ZEVs

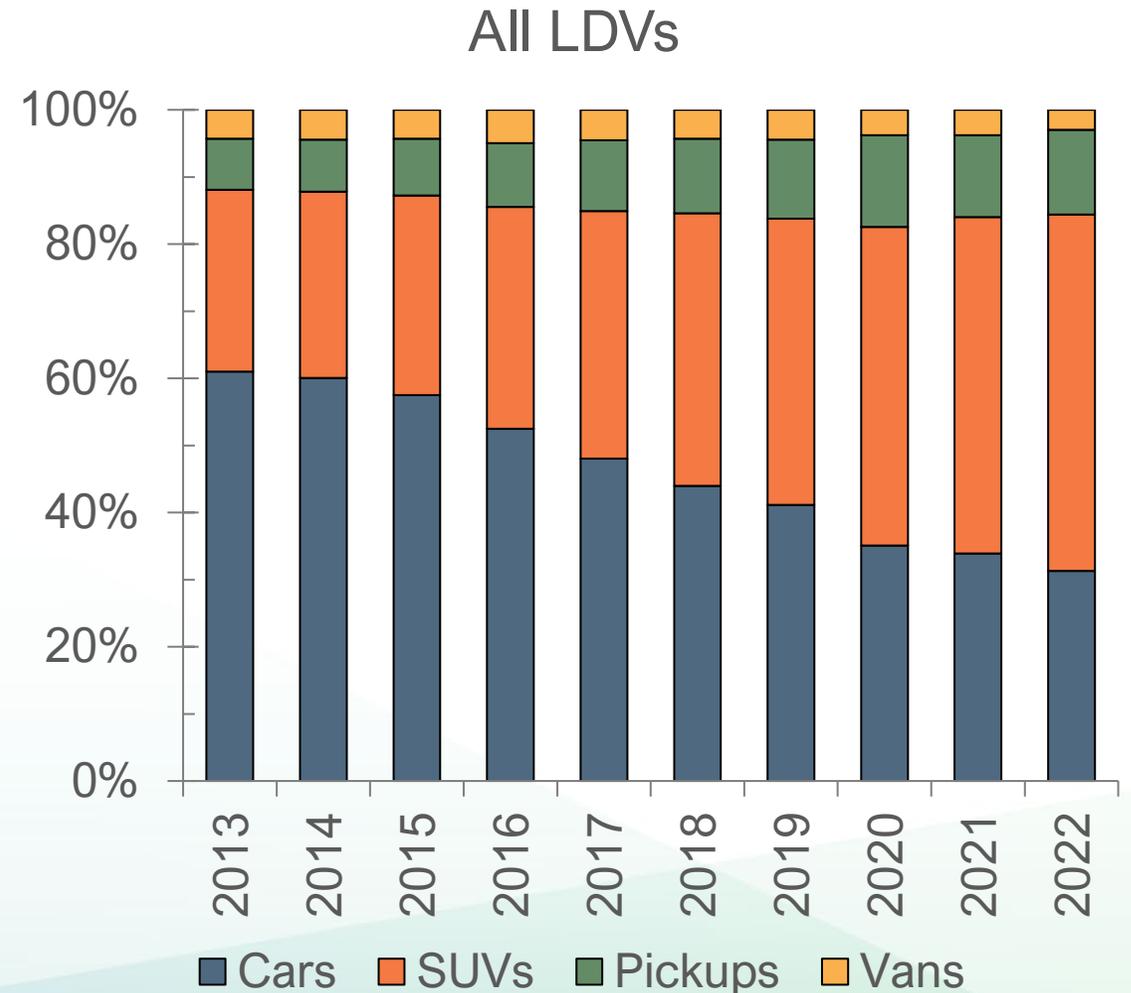
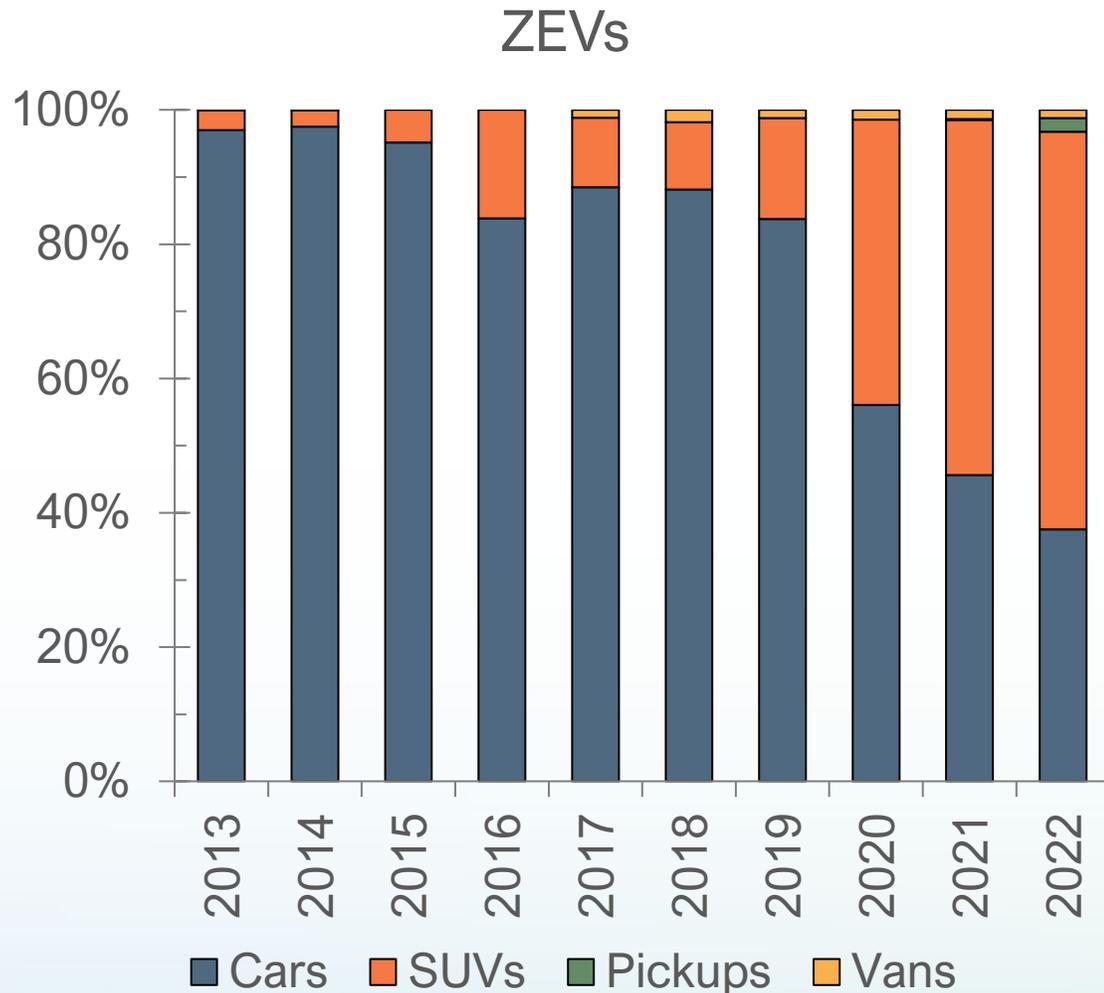
Total Light-Duty ZEV Population (2023 Simple Estimation)



Source: Staff analysis of DMV Vehicle Registration Database



Light-Duty Vehicle (LDV) Fleet by Market Segment



Source: Staff analysis of DMV Vehicle Registration Database



The Many Trials of Hydrogen

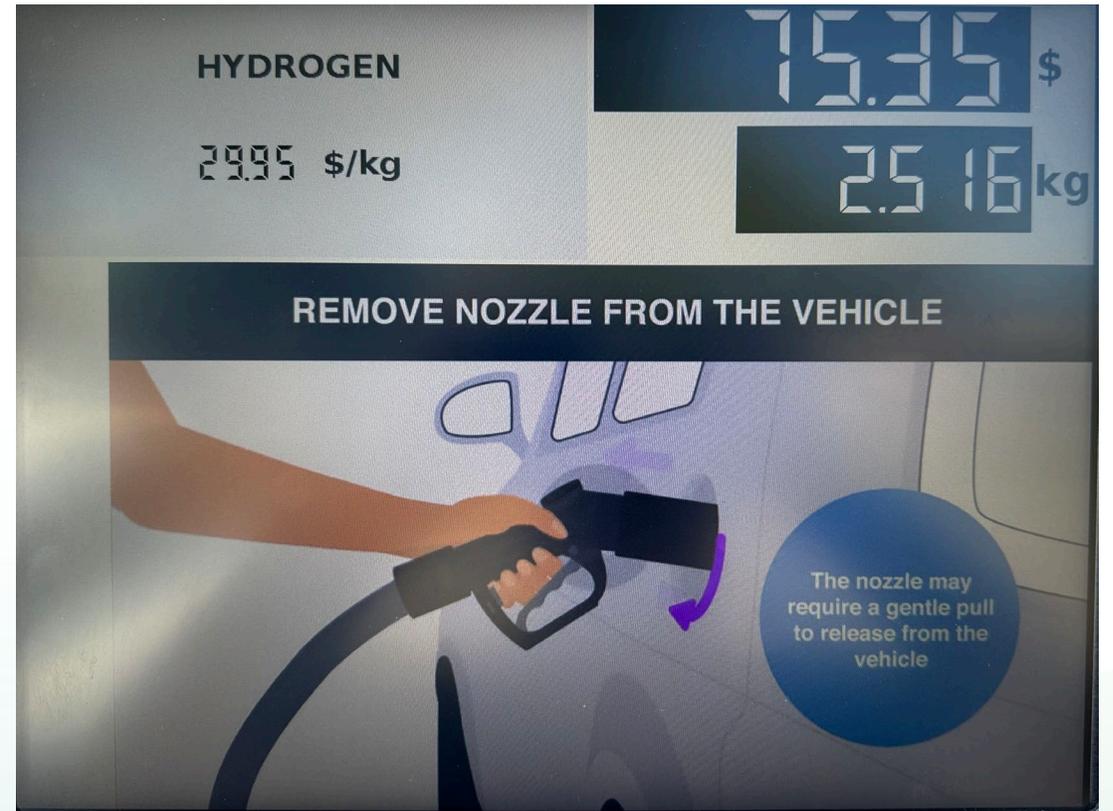
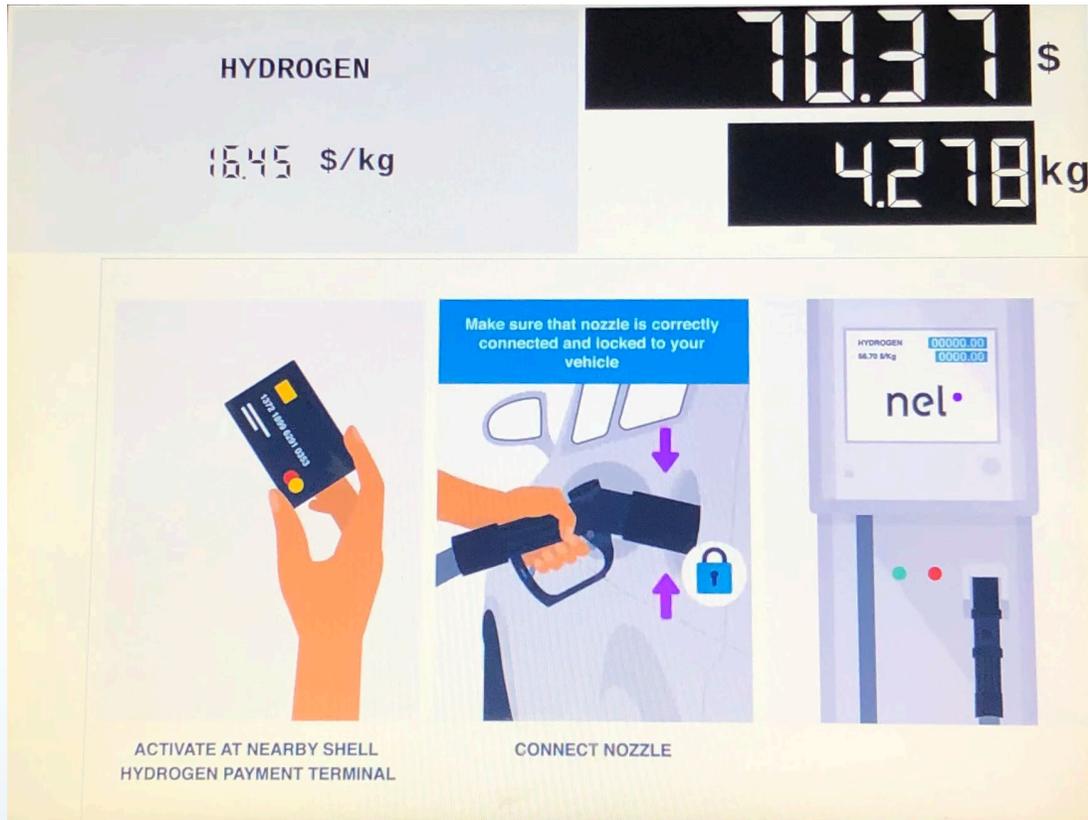




Hydrogen – Fuel Price

July 16, 2021

July 30, 2023





Hydrogen – Time to Station

“

Dear Hydrogen Customer,

Shell is proud to help you drive your 100% carbon neutral fuel cell vehicle. On August 11, 2023 Shell will temporarily close hydrogen operations at five light duty stations...

Stations impacted are:

- 551 Third Street, San Francisco, CA 94107
- 1201 Harrison Street, San Francisco, CA 94104
- 3510 Fair Oaks Blvd, Sacramento, CA 95864
- 6141 Greenback Lane, Citrus Heights, CA 95621
- 1250 University Ave, Berkeley, CA 94702

... It is unknown at this time when each site will reopen.

”



Hydrogen - Refueling Time

West Sacramento

i Iwatani H2 Price Increase Message - <https://h2fcp.org/iwatani-h2-price-message>

It is imperative that you wait 10 MINUTES between customer fueling to assure the health of the equipment. Updated 8/8 4:20pm.



Driver report:

 22 cars in queue

 1 dispenser operational

Last Reported: Tuesday, 8/15/2023, 10:19 PM

Disclaimer: this information is crowd sourced by drivers and is not real time. Log in to report on the queue.



Thank You!

