



Proposed Amendments to the Advanced Clean Trucks (ACT) Regulation and the Zero-Emission Powertrain Certification Test Procedure

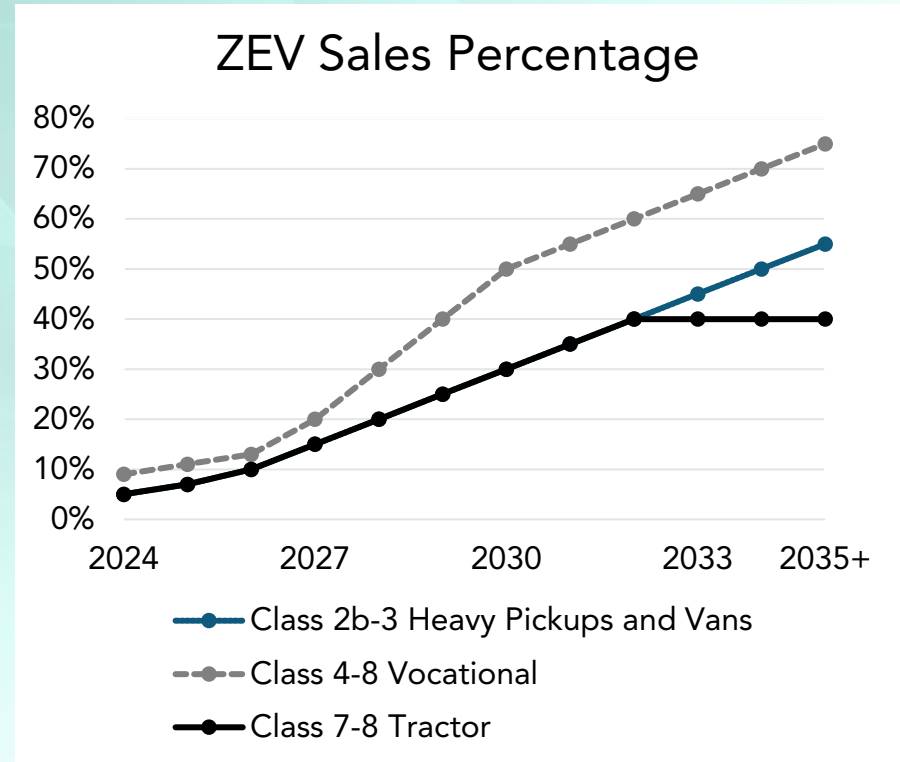
Agenda Item No.: 24-2-2

Overview

- Background
- Summary of proposed amendments
- Next steps

Advanced Clean Trucks Regulation

- Adopted January 2021
- Manufacturers to sell zero-emission vehicles (ZEV) in all vehicle classes as a percentage of total sales*
- Flexibility
 - Credit for early sales
 - 1 year make-up deficits
 - Credit banking and trading
- 320,000 ZEVs to California by 2035



Current Status of Advanced Clean Trucks

- Met 2024 requirement in 2022 – two years ahead of schedule
 - Preliminary data for the 2023 MY shows ~16% ZEV sales
 - Abundance of credits expected for 2024 model year
- 10 other states have adopted the ACT regulation
 - 25% of US truck sales



Zero-Emission Powertrain Certification

- Adopted July 2019
- Optional certification pathway for heavy-duty and incomplete medium-duty ZEVs
- Increases consumer protection for ZEVs
- ACT requires ZEP Certification starting with the 2024 model year to earn ZEV credits for applicable vehicles

Clean Truck Partnership

- CARB agrees to align with 2027 EPA NOx standards, provide flexibility and lead time
- Manufacturers agree to comply with specified CARB truck regulations regardless of litigation outcomes
- Includes a commitment to comply with 100% zero-emission (ZE) sales starting model year 2036





Summary of Proposed Amendments

Remove Ultimate Purchaser Language

- Deficits/credits are solely accrued for vehicles produced and delivered for sale in California
 - Initial compliance previously based on vehicle deliveries to the ultimate purchaser

Extend Deficit Makeup Period

- Increase the deficit makeup period from one model year to three model years
- Initial net deficit balance must:
 - Be within 30 percent or less of the deficits generated from the most recent model year
 - Must eliminate deficits by end of third model year
- Period begins with the first model year following the model year in which deficits are accrued

Other changes

- Conforming changes for Clean Truck Partnership agreement
- Improved alignment with Advanced Clean Cars and Advanced Clean Fleet's 100% zero-emission sales by 2036 requirement
- Updated reporting and recordkeeping requirements to ease implementation
- Other minor changes

New Option for ZEP Certification

- Expand scope of applicability to complete medium-duty ZEVs
 - Currently only available as an option for heavy-duty and incomplete medium-duty ZEVs
- Starting in 2026, the only certification pathway for medium-duty ZEVs is the ACC II pathway

Next Steps

- Approve Resolution 24-5 which includes:
 - Adopt the proposed amendments
 - Direct the Executive Officer to submit the amendments to the U.S. Environmental Protection Agency for inclusion in the California State Implementation Plan