



**Maryland**  
Department of  
the Environment

# Advanced Clean Trucks



June 16, 2025 AQCAC Meeting  
Shanaya Herbert, MDE



# Advanced Clean Trucks

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- The Clean Trucks Act of 2023 required the Department to adopt California's Advanced Clean Trucks (ACT) Program in 2023.
- ACT is one of California's vehicle emission regulations.
  - California is the only state authorized to set vehicle emission standards
  - Section 177 of the Clean Air Act allows other states to adopt California's standards if they are identical.
- The regulation is currently set to take affect for the 2027 Model Year. The Clean Air Act requires two MY lead time for vehicle manufacturers.
  - Adopted through Incorporation by Reference the same way Clean Cars Program was adopted.



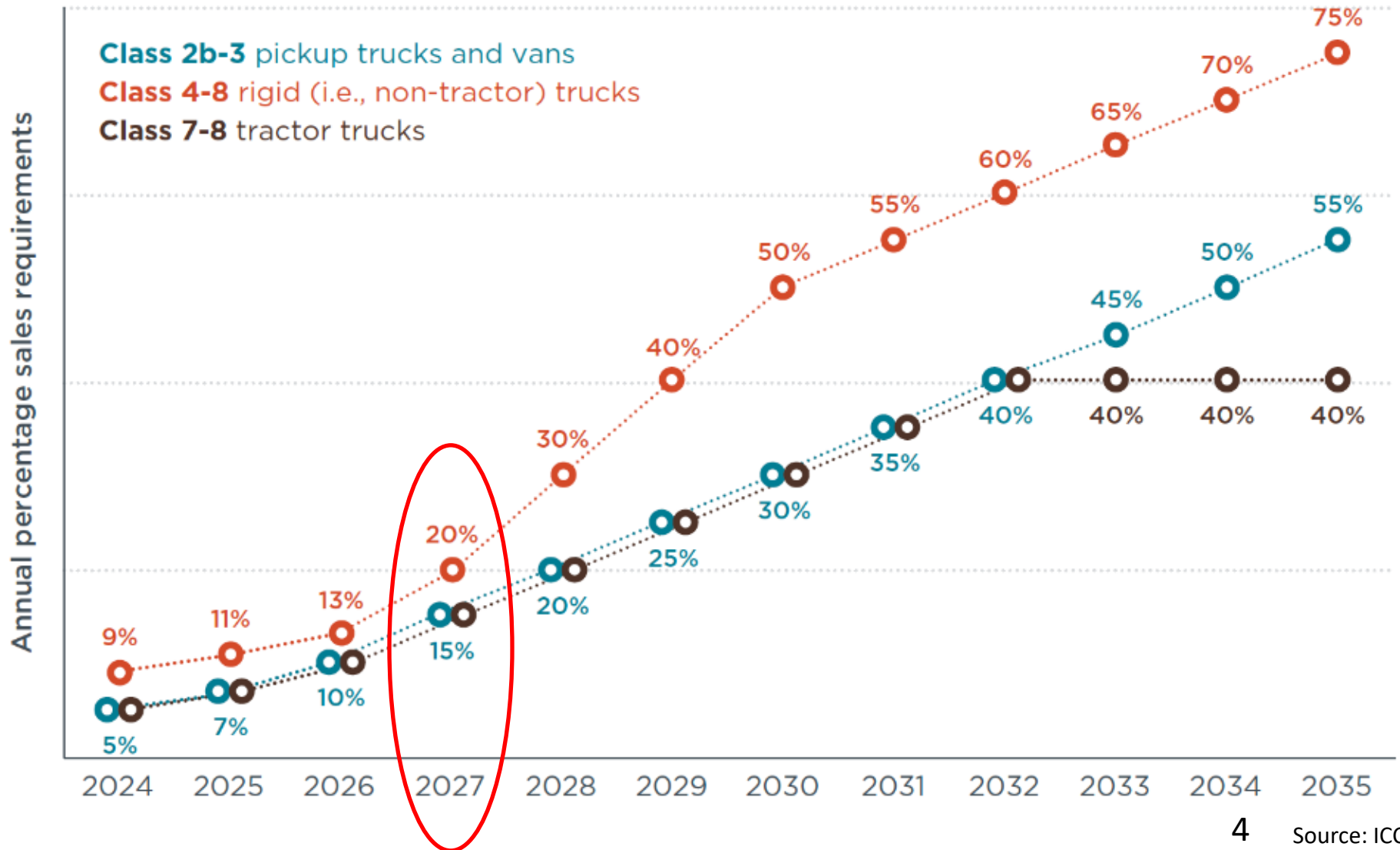
# California ACT

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- The Advanced Clean Truck (ACT) Regulation requires a growing percentage of medium- and heavy-duty vehicles sold to be zero emission.
  - Vehicles with a GVWR over 8,500 lbs.
  - Class 2b – Class 8 vehicles.
- ZEV sales are phased-in beginning in MY 2024 (2027 for MD) and increase through MY 2035, remaining constant thereafter.
- Similar credit, banking, and trading program as light-duty manufacturers have under the Advanced Clean Car Program.



# Advanced Clean Truck (ACT) Program





# Medium/Heavy-Duty Trucks

 Minivan	 Utility van	<b>CLASS 1</b> 6,000 lb & less	 Bucket	 City delivery	 Large walk-in	<b>CLASS 5</b> 16,001 to 19,500 lb
 Multi-purpose	 Full-size pickup					
 Minivan	 Utility van	<b>CLASS 2</b> 6,001 to 10,000 lb	 Beverage	 Single-axle van	 School bus	<b>CLASS 6</b> 19,501 to 26,000 lb
 Full-size pickup	 Step van		 Rack			
 Walk-in	 Conventional van	<b>CLASS 3</b> 10,001 to 14,000 lb	 Refuse	 Furniture	 City transit bus	<b>CLASS 7</b> 26,001 to 33,000
 City delivery			 Medium conventional			
 Conventional van	 City delivery	<b>CLASS 4</b> 14,001 to 16,000 lb	 Dump	 Cement	 Heavy conventional	<b>CLASS 8</b> 33,001 lb & over
 Large walk-in			 COE sleeper			



# Regulatory Update

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- Advanced Clean Trucks Credit Generation, Banking, and Trading.
  - Vehicles are only eligible to earn credits once.
  - Light-duty vehicles (2b-3) may only earn credits for EITHER Advanced Clean Cars II OR Advanced Clean Trucks.
- Term definitions are specified.
  - Battery-electric vehicle (BEV).
  - Hydrogen fuel-cell electric vehicle (FCEV).
  - Class 4-8 group.



# Regulatory Update (continued)

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- Advanced Clean Trucks Compliance Determination.
  - Manufacturers with a deficit after the end of a model year have 3 consecutive model years to make up the deficit.
  - Manufacturers making up a deficit may not transfer ZEV credits to other manufacturers until the end of the compliance year the deficit is made up.
- Advanced Clean Trucks Reporting and Recordkeeping.
  - Vehicle weight class category (2b, 3, 4, 5, 6, 7, 8).
  - Advanced technology type (BEV, FCEV, NZEV, other).
  - Documentation for tracking vehicles produced and delivered for sale.



# ACT Needs Assessment & Deployment Plan

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- Needs Assessment & Deployment Plan Technical Assistance for the Clean Trucks Act of 2023
- EV Advisors, LLC - Contractor
  - Atlas Public Policy
  - University of Maryland Center for Global Sustainability
  - EV Noire
- Monthly Meetings have been held since January 2025
- December 2025 – Finalized Report Expected





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# QUESTIONS?