

Advanced Clean Fleets (ACF) Regulation Overview

October 18, 2023

Introduction

- Welcome
- Purpose and focus
- Today's format
- Zoom instructions
- Zoom survey

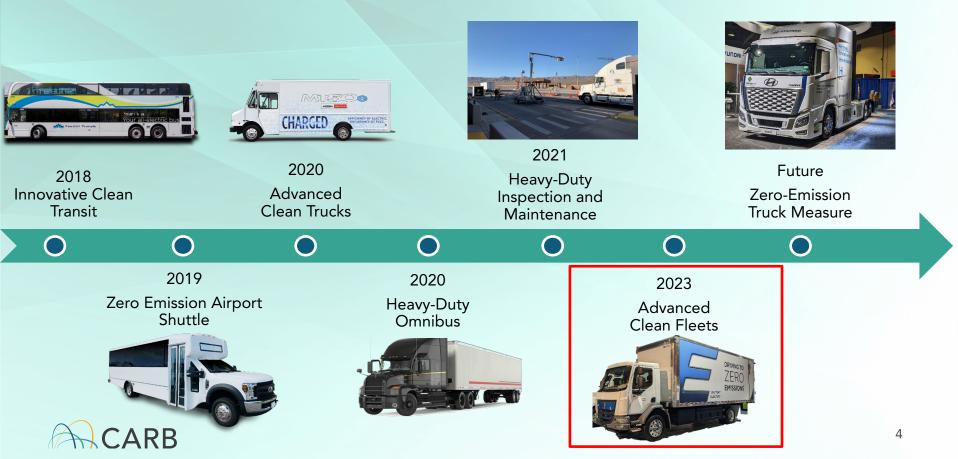


Outline for Today

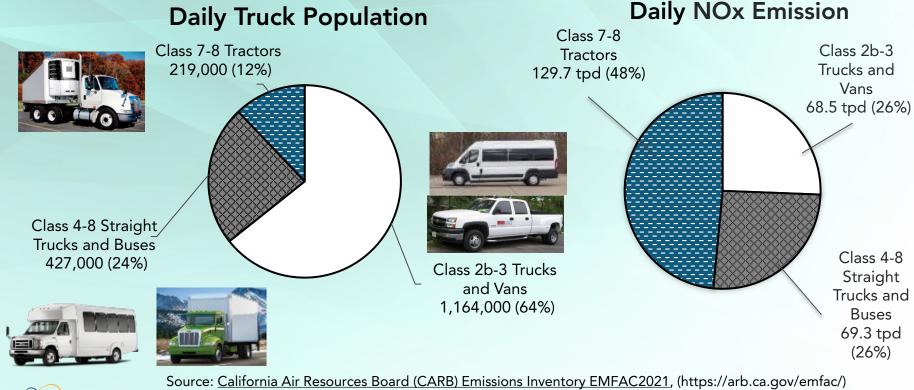
- Air Quality, Background, Vehicles
- Drayage Fleets
- High Priority Fleets
- State and Local Government
- Model Year, Milestones Schedule
- Extensions & Exemptions
- Reporting & Recordkeeping
- Resources, Wrap-up



Measures to Clean Up Heavy-Duty Vehicles



Biggest Trucks Have Highest Emissions



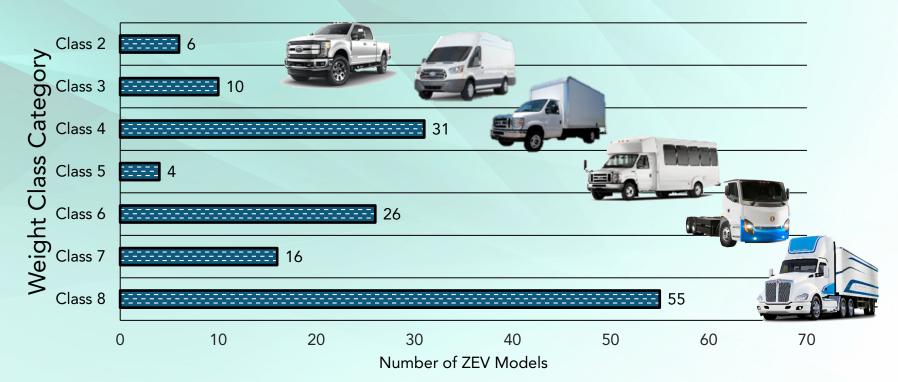
excludes motor homes, transit buses, and school buses.

ARB

Calendar Year 2021, including California International Registration Plan (IRP) and out-of-state IRP trucks;

5

ZEV Models in United States



135 models already delivered to fleets, 148 different models are available to be ordered/pre-ordered,

CARB^{More} than 500 ZEV models available worldwide as of October 2022

Vehicle Resources

californiahvip.org/vehiclecatalog

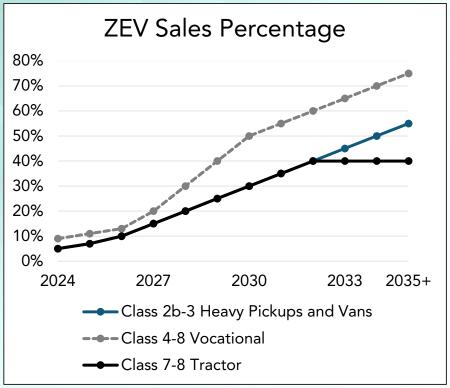
globaldrivetozero.org/tools/zeti





Advanced Clean Trucks Regulation

- Manufacturers to sell ZEVs in all vehicle classes as a percentage of total sales*
- Credit for pre-2024 sales
- 320,000 ZE trucks to California by 2035
- Board resolution setting 2035, 2040, and 2045 fleet goals







Regulation Summary

Advanced Clean Fleets Regulation Components





100 Percent ZEV Sales Requirement

Starting <u>2036</u>, all Class 2b-8 vehicles sold into California must be ZEVs

- Provides certainty to the market and supply chain for manufacturers, fleets, infrastructure providers, service technicians, partner agencies, and local governments
- Expands market choice



Drayage Trucks Requirements

Applies to Class 7-8 on-road trucks operating at California's seaports and intermodal railyards



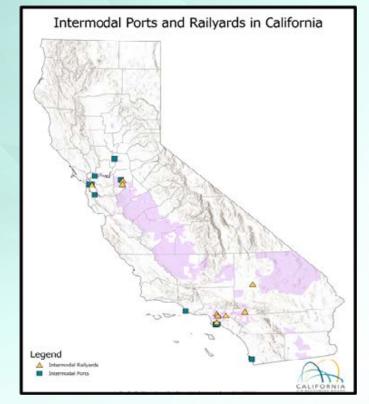
- Legacy trucks may operate until the end of their useful life
- Must visit a regulated seaport or railyard at least once a year
- May use limited extensions



Seaports and Intermodal Railyards

"Seaport" means the property where marine and seaport terminals are located for the loading and unloading of water-borne commerce onto and from ocean-going vessels

"Intermodal railyard" means a facility owned or operated by a Class I Railroad that receives both drayage trucks and locomotives.





Drayage Truck Registration

- All legacy or combustion drayage trucks intending to begin or continue operations at a California seaport or intermodal railyard must be registered in TRUCRS by December 31, 2023.
- Only zero-emission drayage trucks can register to be added for drayage beginning January 1,2024.
- A detailed reporting discussion is later in the

Welcome to the Truck Regulation Upload, Compliance and Reporting System (TRUCRS)

NEW USERS	EXISTING USERS	? RESOURCES
Create New Account	Username	Verify Fleet Compliance
TRUCRS User Guides	Password	Report Non-Compliant Fleets or Vehicles
FAOs and Fact Sheets	Log In Change Login Information/Close Account	Financial Assistance
	Forgot Username/Password?	

For assistance, e-mail trucrs@arb.ca.gov or call 1-866-6DIESEL (1-866-634-3735)

presentation. <u>Website: https://ww2.arb.ca.gov/our-work/programs/advanced-clean-fleets/registration-reporting</u>



Questions

- Drayage questions
- Next up:
 - High Priority Fleets
 - State and Local Governments
 - Model Year and Milestones Schedules
 - Extensions & Exemptions
 - Reporting & Recordkeeping
 - Helpful Resources



High Priority and Federal Fleets

Affected businesses	Affected vehicles	
Fleets with 50+ vehicles,	Class 2b-8 vehicles	
including common ownership and control	Off-road yard tractors	
Fleets with >\$50 million in	Light-duty delivery vehicles	
annual revenue		
Federal government fleets		1
Entities that hire or dispatch fleets		
CARB		







Model Year Schedule Summary



- Legacy trucks may operate until the end of their useful life
- May use certain exemptions and extensions
- ICE vehicle removals begin January 2025









Model Year Schedule Example

Legacy Truck Engine Year	18 years	
2010	2028	
2011	2029	
2012	2030	
2013	2031	
2014	2032	
2015	2033	
2016	2034	
2017	2035	
2018	2036	
2019	2037	
2020	2038	
2021	2039	
2022	2040	
2023	2041	
2024	2042	

California fleet

- All additions must be ZEVs
- Legacy trucks removed after end of useful life

Tractors

- Earlier of 18 years or
- End of year when odometer exceeds 800,000 miles
- No less than 13 years
- Yard trucks and all other vehicles
 - 18 years

State and Local Government Requirements



- Agencies in designated counties and divisions with 10 or fewer trucks exempt until 2027
- May use exemptions and extensions







Optional ZEV Milestone Phase-in

- Open to High Priority and State and Local Government fleets
- Must meet ZEV milestones as a percent of total fleet
- Flexibility to add new or used ICE vehicles meeting cleanest engine requirements

Zero-Emission Fleet Percentage	10%	25%	50%	75%	100%
Group 1: Box trucks, vans, 2-axle buses, yard trucks, light-duty package delivery vehicles	2025	2028	2031	2033	2035
Group 2: Work trucks, day cab tractors, 3-axle buses	2027	2030	2033	2036	2039
Group 3: Sleeper cab tractors and specialty vehicles	2030	2033	2036	2039	2042



Work truck means any single-unit truck that is not a box truck, van, bus, or specialty vehicle

ZEV Milestone Option Example

Vehicle Type	# of Vehicles	ZEVs in 2025	ZEVs in 2029	ZEVs in 2033	ZEVs in 2037	ZEVs in 2041	ZEVs in 2042
Box trucks, vans, two-axle buses, yard trucks	60	6	15	45	60	60	60
Work trucks, day cab tractors, three-axle buses	20	0	2	10	15	20	20
Sleeper cab tractors and specialty vehicles	20	0	0	5	10	15	20
ZEV Milestones	100	6	17	60	85	95	100

Questions

- HPF, SLG & Compliance Schedule Questions
- Break
- Next up:

Extensions & Exemptions
Reporting & Recordkeeping
Helpful Resources



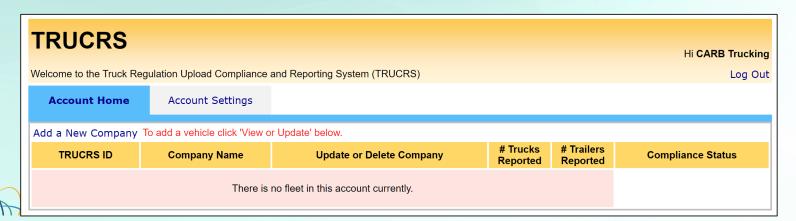
Provisions Summary

Provision	Summary
Vehicle Delivery Delay Extension	Remain compliant if ZEV order delayed
Infrastructure Delay Extension	Up to 5 years for onsite ZEV infrastructure delays
ZEV Purchase Exemption	Can buy ICE vehicle from CARB list or apply if not available in configuration needed
Daily Usage Exemption	Can buy ICE vehicle if mileage or hours of ZEV not suitable for placement in the fleet
Mutual Aid Assistance	Reserve 25% of fleet for use in mutual aid agreements
Waste and Wastewater Fleets	More time for CNG trucks supporting waste diversion and biomethane production
Rental Vehicle Provision	Flexibility to address transient rental fleet vehicles
Five-Day Pass	Temporary pass to operate non-compliant trucks up to 5 days per year
Non-Repairable Vehicle	Flexibility to purchase used replacement ICE vehicle in case of accident
Backup Vehicle Exemption	Excludes vehicle operated less than 1000 miles per year
Intermittent Snow Removal Vehicle	May purchase ICE vehicles until 2030
Transit Agency Exemption	Excludes transit agencies and their maintenance vehicles until 2030



Reporting

- Staff is expanding TRUCRS
 - Fleets can use same TRUCRS ID, update information
 - Drayage is online (HFP, SLG targeted for end of year)
 - Updating detailed reporting guides
 - Reporting landing page: <u>https://ww2.arb.ca.gov/our-</u> work/programs/advanced-clean-fleets/registration-reporting



Upcoming Reporting Dates

- Drayage
 - All Legacy December 31, 2023
- State and Local Government Fleets
 O April 1, 2024
- High Priority Fleets
 February 1, 2024
- Fleet changes need to be reported within 30 days.



Resources

• ACF homepage:

arb.ca.gov/our-work/programs/advanced-clean-fleets

- Multiple factsheets
- Searchable FAQ
- Fleet Calculator
- ZEV Truckstop
- Truck Regulation Implementation Group
 - Infrastructure, rule provisions, outreach, border communities



ACF Program Webpage:

https://ww2.arb.ca.gov/our-work/programs/advanced-clean-fleets

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CALIFORNIA AIR RESOURCES BOARD		ABOUT OUR WORK	RESOURCES SERV	ICES RULEMAKING NEW	S EQUITY
Advanced Clean I	leets			< BACK TO ALL P	ROGRAMS
Advanced Clean Fleets	The Advanced Clean Fleets (/	ACF) Regulation	is the latest dev	elopment in CARB's	
About	decades-long history of setting sources that are needed to p		-		
News	Regulation requires fleets th				
Resources	emission vehicles (ZEV) throu	-			
Meetings & Events	targeted fleets and requirem starting in the 2036 model ye		acturers only m	anulacture ZEV truc	K5
Regulatory Documents	MORE ABOUT THIS PROGRAM >				
Registration & Reporting					
FAQ's	E e c'h he de te c				
ZEV TruckStop	Email Updates				
Advanced Clean Trucks	Keep up to date on future meetings a	nd important events fo	the Advanced	SUBSCRIBE	
Subscribe	Clean Fleets regulation by signing up	for our email updates.			
PRIMARY CONTACT					
Advanced Clean Fleets					
Email zevfleet@arb.ca.gov				TRUC	K
Phone (866) 634-3735				STO	
CATEGORIES	-				
Topics On-Road Heavy-Duty Vehicles	Advanced Clean Fleets Regulation Training Webinar	California Appr Groundbreakin		One-stop shop for zer emission truck inform	
	October 18, 2023			Funding, technical assistan events, and more	ice,



Additional Resources

- ACF email: zevfleet@arb.ca.gov
- Truckstop homepage: arb.ca.gov/truckstop
- Hotline: 1-866-634-3735





Thank You