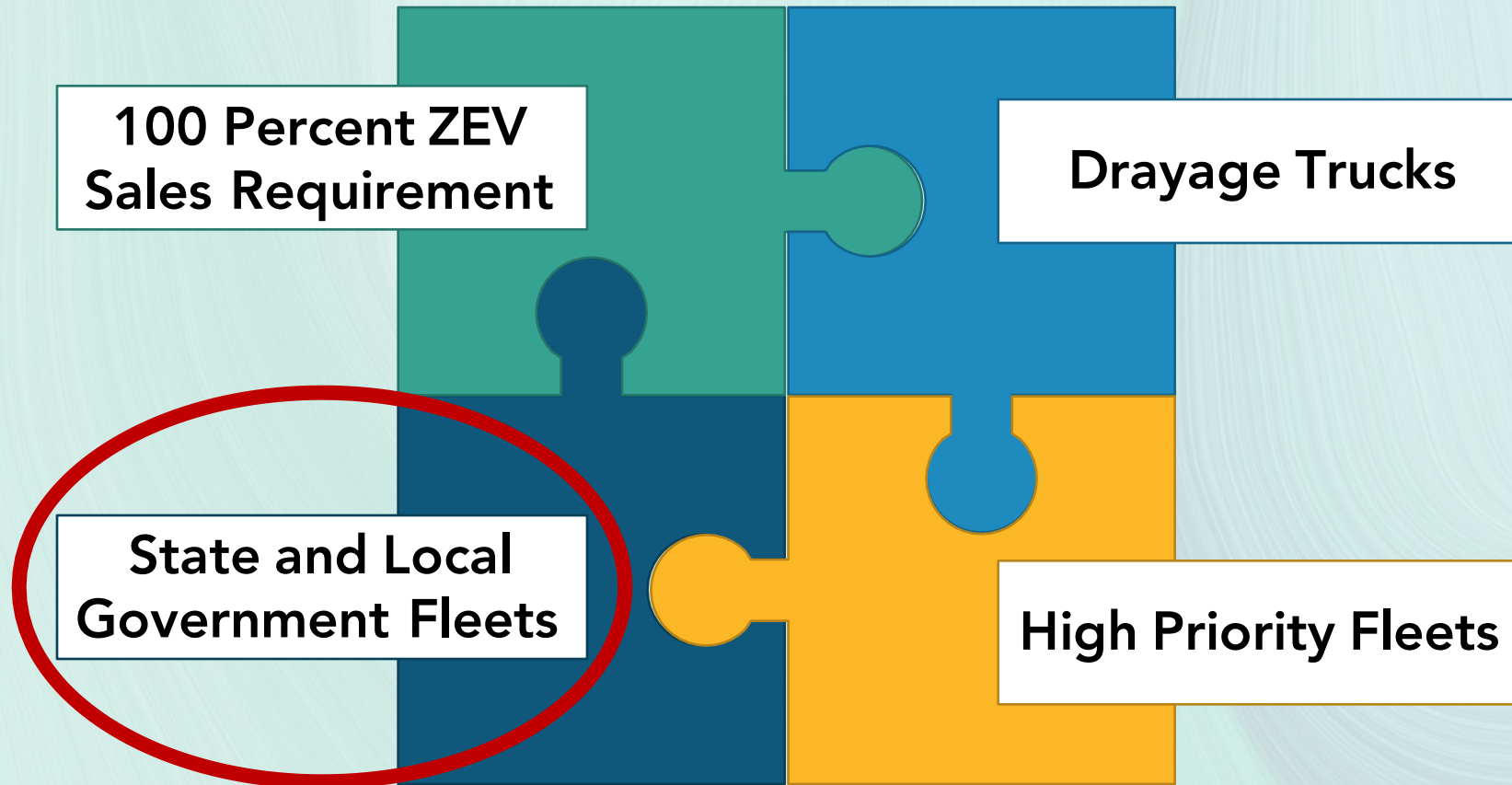




State and Local Government Agency Fleet Requirements Regulation Summary

January 17, 2024

Advanced Clean Fleets Regulation Components



State and Local Government Fleets Outline

- State and Local Government Requirement Overview
- ZEV Milestones Options
- Zero Emission Vehicle (ZEV) Purchase Requirements
- ZEV Milestones Groups
- SLG Fleet Provisions
- Reporting
- Clean Truck Check Overview

State and Local Government Fleet Applicability

- Applies to any state or local government agency in California that owns, leases, or operates one or more vehicles
 - Vehicles that have a gross vehicle weight rating (GVWR) greater than 8,500 lbs.
- Hiring Entities— Any entity that hires and operates or directs the operation of vehicles like a broker or shipper



Vehicle Scope Frequently Asked Questions

- Are light-duty vehicles included in the ACF rule?
- What is a light-duty package delivery vehicle and how are they subject to the ACF rule?
 - Definition: GVWR at or under 8,500 lbs., 100 cubic feet or more of cargo-carrying volume, and is regularly used to deliver packages, parcels, or mail
 - Not subject when using the ZEV Purchase Schedule
 - Subject when using ZEV Milestones option
- Do ZEV conversions count as a compliant vehicle?

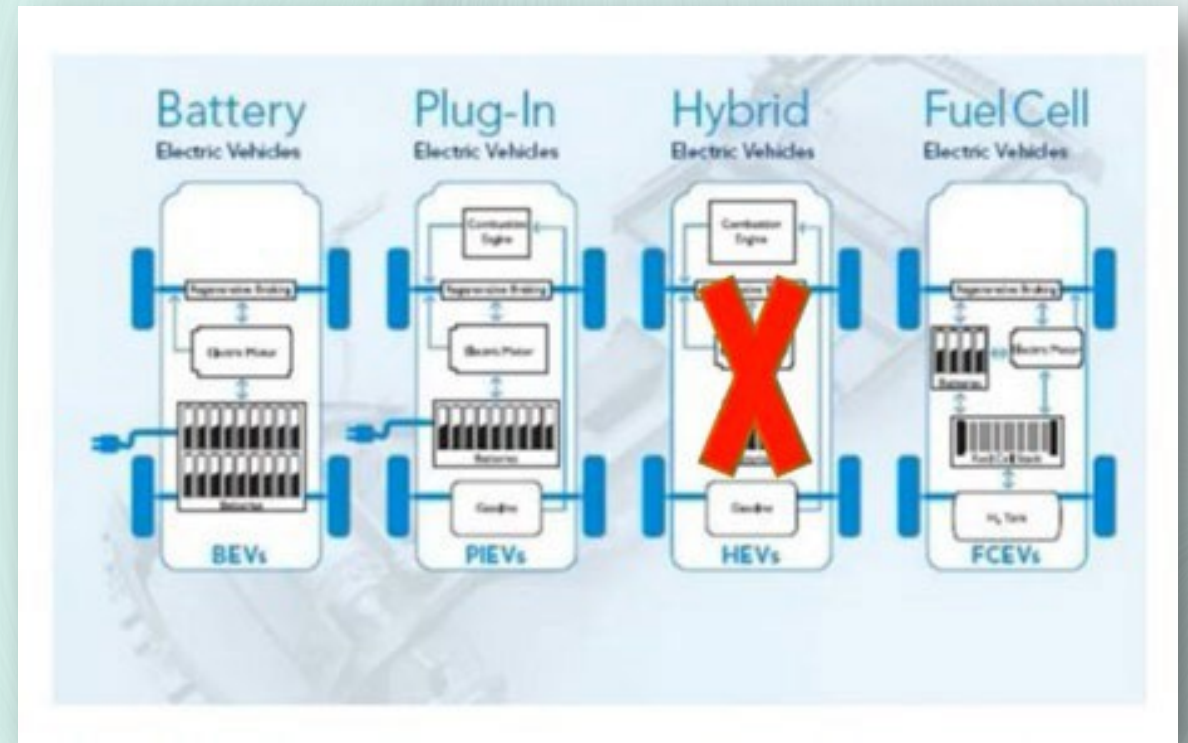
Excluded Vehicles

- School buses defined in (California Vehicle Code §545)
- Emergency vehicles defined in (California Vehicle Code §165)
- Vehicles awaiting sale
- Military tactical vehicles
- Historical vehicles
- Dedicated snow removal vehicles
- Certain two-engine vehicles
- Heavy cranes
- Transit vehicles subject to Innovative Clean Transit regulation
- Vehicles subject to Zero-Emission Airport Shuttle regulation



ACF Definition - Zero-Emission Vehicle Types

- Battery Electric Vehicles (BEV)
- Hydrogen Fuel Cell Electric Vehicles (FCEV)
- Near-Zero-Emission Vehicles (NZEV)
 - Plug-in hybrid that can achieve a minimum all-electric range.
 - Counts the same as a ZEV with a 2035 or earlier model year.
- Hybrid Electric Vehicles (HEV) are NOT considered ZEVs



ZEV Purchase Schedule

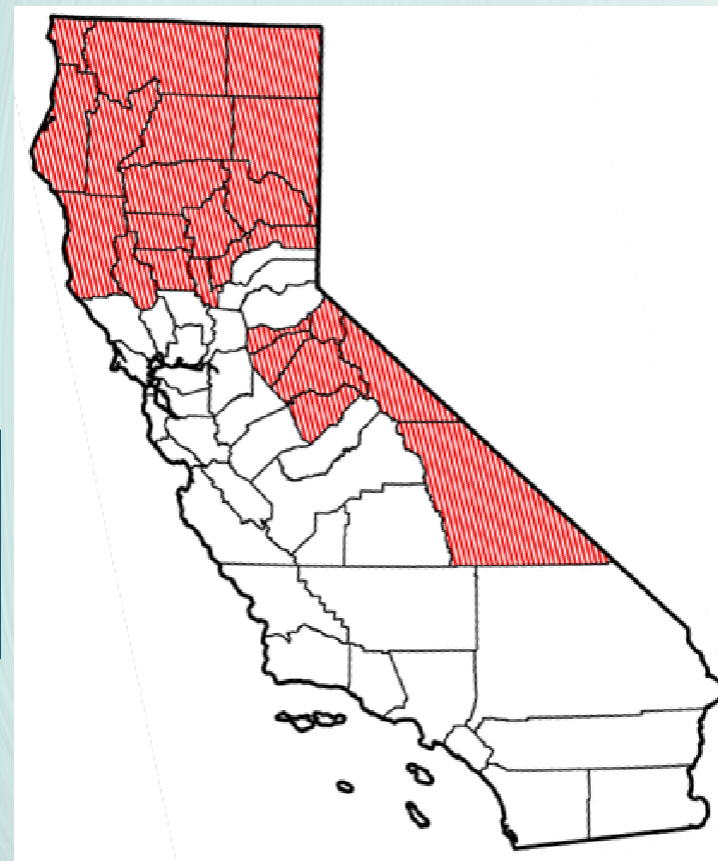
2024-2026

January 1, 2027

50 percent of purchases must be ZEV or NZEV

All purchases must be ZEV or NZEV

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



ZEV Purchase Schedule Practical Considerations

- Existing compliant combustion vehicles can be operated indefinitely
 - No useful life retirement requirement in this option
- ZEV Purchase requirements based on purchase order date
 - Orders placed before January 1, 2024, that are not delivered until after January 1, 2024, are not included in 2024 ZEV Purchase requirement
- Early/excess action credit
 - ZEVs purchased early or over 50% requirement count one-for-one towards future combustion purchase
- Compliance assessed at end of year for all purchases made during calendar year
- Flexibility provision access
 - Several flexibility options require fleets to be replacing vehicles that are at least 13 years old
- Reporting required April 1, 2024, even for counties on delayed start




ZEV Milestones Option

- Provides flexibility to comply regardless of truck age or miles
- Phased-in based on ZEV suitability by truck type
 - Must meet ZEV milestones as a percent of California fleet
- Flexibility to add new or used ICE vehicles meeting cleanest engine requirements
- Can opt-in until January 1, 2030, when reporting in TRUCRS
 - Opt-in is permanent
- Must waive right to statutory useful life for vehicles
- Open to High Priority and State and Local Government fleets
- Fact sheet: <https://ww2.arb.ca.gov/resources/fact-sheets/advanced-clean-fleets-regulation-zev-milestones-option>




What engines can be added to the California fleet?

- Fleets using the ZEV Milestones Option can add new or used ICE vehicles as long as the ZEV Group Milestones are met
- Fleets using the ZEV Purchase Schedule can add new or used ICE vehicles as half of annual purchases from 2024-2026, if the other half are ZEVs
- Used vehicles added must have 2010 or newer model year engines
- New ICE vehicles purchased in California already must have engines meeting California requirements
- See fact sheet at: <https://ww2.arb.ca.gov/resources/fact-sheets/advanced-clean-fleets-regulation-internal-combustion-engine-purchase>

ZEV Milestones Option Table

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, pickups, day cab tractors, 3-axle buses 	2027	2030	2033	2036	2039
Group 3: Sleeper cab tractors and Class 8 specialty vehicles 	2030	2033	2036	2039	2042

ZEV Milestones Example for Mixed Fleet A

Vehicle Type	# of Vehicles	ZEVs in 2025	ZEVs in 2029	ZEVs in 2033	ZEVs in 2037	ZEVs in 2041	ZEVs in 2045
Box trucks, vans, two-axle buses, yard tractors, light-duty delivery vehicles 	60	6 (10%)	15 (25%)	45 (75%)	60 (100%)	60 (100%)	60 (100%)
Work trucks, day cab tractors, pickup trucks, three-axle buses 	20	0	2 (10%)	10 (50%)	15 (75%)	20 (100%)	20 (100%)
Sleeper cab tractors and Class 8 specialty vehicles 	20	0	0	5 (25%)	10 (50%)	15 (75%)	20 (100%)
ZEV Milestones	100	6	17	60	85	95	100

ZEV Milestones Group Categorization

- All ZEV Milestones body types are defined in the regulation (Section 2015(b))
- “Work truck” is a catchall category to describe body types that do not meet the other vehicle type definitions in the ZEV Milestones table
- Most questions are related to whether a vehicle is specialty, work truck, or box truck.



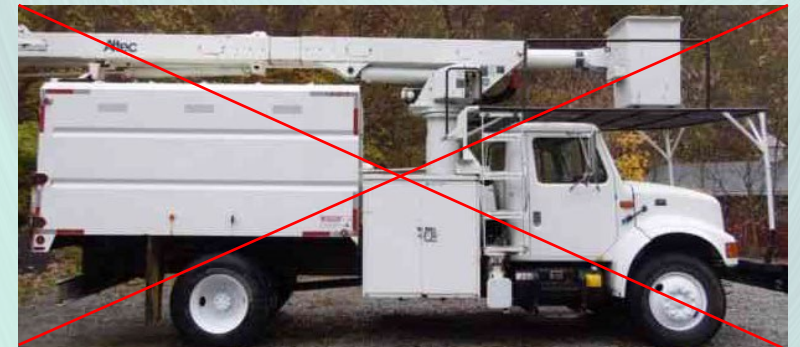
Milestones Group 1 - Vans

- Certified as a complete vehicle and sold as a passenger van or cargo van
- Cutaways sold as an incomplete vehicle, or upfit with a body are not vans and are classified by the body configuration
- Use case is not considered
- Typically, Class 2b to 3



Milestones Group 1 – Box Trucks

- Typically certified as an incomplete vehicle, cab-and-chassis, or cutaway.
- Body originally designed for delivery of cargo/payload
 - Step vans, refrigerated vans, dry vans, chipper trucks, box reefer trucks
- Combination bodies are not considered box trucks
 - Integrated chipper box and crane body
 - Combination half stake-bed and half-box
- Use case is not considered
- Typically, Class 3 to 8



Milestones Group 2 – Work Trucks

- Typically certified by the vehicle manufacturer as an incomplete vehicle or cab-and-chassis
- Work truck designation is dependent on configuration
 - Definition of configuration looks at “primary intended function” of the vehicle and integrated equipment
 - PTO-powered equipment integrated into body is a good indicator that it is a work truck
 - Liftgates and similar low voltage systems are not considered integrated equipment
- Other examples that meet definition:
 - Scissor lift trucks, curtain side trucks (do not meet box definition), utility or service body trucks, construction trucks, tank or dump trucks, shredder trucks, etc.
- Typically, Class 3 to 8



Milestones Group 3 – Specialty Vehicles

- Any Class 8 with a heavy front axle; or
- Class 8 configured to perform work that can only be done while stationary, and:
 - Not designed to carry cargo, and
 - Work mechanism integral to vehicle design
- Examples include vacuum trucks, digger derricks, drilling rigs, concrete pump trucks
- Other examples that meet definition:
 - Class 8 refuse collection trucks with heavy front axle



ZEV Milestones Practical Considerations

- Fleet must report all vehicles expected to operate in California for the year
- Vehicles that are sold or scrapped are immediately excluded from the date removed when reported
- Vehicles being upfit by fleet owner are not considered “added” to the California fleet until placed in service
- Can replace vehicles without impacting fleet size
- Can renew or buyout leases without impacting fleet size
- Flexibility provision access
 - Several flexibility options require that no other combustion vehicles in a fleet can be upgraded to ZEV

Joint Compliance Option

- Individual departments, divisions, districts, subsidiaries, or agencies under the same state or local government agency's jurisdiction have the option to comply jointly if:
 - Combined California fleet meets regulation requirements
- The California Department of General Services may comply jointly for all State agency fleets under its jurisdiction
- Fleet owners may comply jointly even if one or more individual subdivisions opt into the ZEV milestones option
- Entities that do not fully comply with the applicable requirements of this compliance option must demonstrate compliance on an individual basis

Flexibility Provisions

Provision	Summary
Vehicle Delivery Delay Extension*	Allows a Fleet to remain compliant if a ZEV order is delayed.
ZEV Infrastructure Delay Extension	Extends compliance for up to 5 years for delays during planning and construction.
ZEV Purchase Exemption	Can buy ICE vehicle if ZEV is not available in configuration needed.
Daily Usage Exemption	Can buy ICE vehicle if available BEV does not meet fleet's mileage or power needs.
Mutual Aid Assistance	Reserves up to 25 percent of ICE vehicles in a fleet for use in mutual aid events.
Waste and Wastewater Fleets Ext.	Gives more time for existing CNG trucks in waste diversion and biomethane generation.
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 including mutual aid events.
Intermittent Snow Removal Vehicle	May purchase ICE vehicles to operate as intermittent snowplow until 2030.
Transit Agency Exemption	Excludes transit agencies and their maintenance vehicles until 2030.

* Not relevant to ZEV Purchase Schedule

ZEV Purchase Exemption

- ZEV purchase exemption allows fleet owners to purchase ICE vehicles and exclude them from the ZEV milestones calculation
- Must submit an email to TRUCRS within 30 calendar days of receiving the new ICE vehicle
- Fact sheet: <https://ww2.arb.ca.gov/resources/fact-sheets/advanced-clean-fleets-regulation-zero-emission-vehicle-purchase-exemption>



ZEV Infrastructure Delays

- Site Electrification: Up to 5 years
 - Not enough utility power to the site for required ZEV
 - Applications from fleet owners with multiple sites must include site capacity evaluation for all depots
 - Sunsets 2030
- Construction-Related: Up to 2 years
 - For circumstances outside a fleet owners' control
 - Must have construction permit 1-year before required ZEV to qualify
- Fact sheet: <https://ww2.arb.ca.gov/resources/fact-sheets/advanced-clean-fleets-regulation-zero-emission-vehicle-infrastructure-delay>

Waste and Wastewater Utilities & Transit Fleet Provisions

- Eligible waste and wastewater fleets that are implementing organic waste diversions programs may delay compliance with the ZEV Milestones options to 2030
 - Exclusively fueling vehicles with Bio-Methane
 - [Fact sheet: https://ww2.arb.ca.gov/resources/fact-sheets/advanced-clean-fleets-regulation-waste-and-wastewater-fleet-option](https://ww2.arb.ca.gov/resources/fact-sheets/advanced-clean-fleets-regulation-waste-and-wastewater-fleet-option)
- Temporarily excludes transit agencies until 2030 who are subject to the Innovative Clean Transit (ICT) regulation



Intermittent Snow Removal Vehicles

- Fleet owners can receive an exemption from the ZEV purchase requirements
- Fleet owners may request to designate vehicles added to the California fleet prior to January 1, 2030, as intermittent snow removal vehicles.
- Fact sheet: <https://ww2.arb.ca.gov/resources/fact-sheets/advanced-clean-fleets-regulation-snow-removal-vehicle-exemptions>



Hiring and Sales Requirements

- Requirement to hire compliant fleets
 - Check the TRUCRS Fleet Lookup Tool at <https://ww2.arb.ca.gov/applications/truck-and-bus-regulation-check-compliance-status>, or obtain signed statement
 - Provide hired fleet a disclosure statement
 - Keep records of hired fleet's certificates
- Sales disclosure statement






Upcoming Reporting Dates

- State and Local Government Agency Fleets
 - All reports are submitted to CARB electronically
 - Reports must be submitted through CARB's online reporting system known as TRUCRS <https://ww2.arb.ca.gov/our-work/programs/advanced-clean-fleets>
 - April 1, 2024
- Fleet changes need to be reported within 30 days.

TRUCRS Reporting System

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

 NEW USERS	 EXISTING USERS	 RESOURCES
<p>Create New Account</p> <p>TRUCRS User Guides</p> <p>FAQs and Fact Sheets</p>	<p>Username <input type="text"/></p> <p>Password <input type="password"/></p> <p>Log In</p> <p>Change Login Information/Close Account</p> <p>Forgot Username/Password?</p>	<p>Verify Fleet Compliance</p> <p>Report Non-Compliant Fleets or Vehicles</p> <p>Financial Assistance</p>

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

Site: https://ssl.arb.ca.gov/trucrs_reporting/login.php

Reporting

- Staff is expanding TRUCRS
 - Fleets can use original TRUCRS ID and update their information
 - Updates are online
 - Updated detailed reporting guides
 - Reporting landing page: <https://ww2.arb.ca.gov/our-work/programs/advanced-clean-fleets/registration-reporting>

TRUCRS

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

Hi CARB Trucking [Log Out](#)

[Account Home](#) [Account Settings](#)

[Add a New Company](#) To add a vehicle click 'View or Update' below.

TRUCRS ID	Company Name	Update or Delete Company	# Trucks Reported	# Trailers Reported	Compliance Status
There is no fleet in this account currently.					

AB 1594

- Chaptered on October 8, 2023
- Applies to local publicly-owned electric utilities, community water systems, water districts, and wastewater treatment providers
- Requires narrow amendments to the regulation
 - Adjust 13-year age (useful life) requirement to access exemptions
 - Allow all mileage data when assessing Daily Usage Exemptions
- Informal rulemaking workshops to start next year



Heavy Duty Inspection and Maintenance

Requirements for this new regulation started in January 2023
Reporting started October 2023, emissions testing starts July 2024

Clean Truck Check: Applicability

- Affects non-gasoline vehicles with a Gross Vehicle Weight Rating greater than 14,000 pounds operated in California.
- All non-gas heavy-duty vehicles operating in California and the owners/operators
- Gasoline & ZEVs exempt
- Includes Buses & motorhomes
- Freight contractors/brokers doing business with owners of vehicles subject to the regulation
- Freight facilities allowing vehicles subject to the regulation to operate on their property
- Individuals performing vehicle testing
- Vendors of devices used to test vehicles



Clean Truck Check: Requirements



- Requires reporting owner and vehicle information details into a CARB database
- Periodic emissions testing & frequency:
- Nearly all vehicles - semi-annual, starting 2025
- On-road Ag & motorhomes – annually
- On-board diagnostics (OBD) vehicles – quarterly, starting 2027
- \$30 annual compliance fee per vehicle

Who Can Perform Clean Truck Check Compliance Tests?

- A compliance test must be performed and submitted to CARB by a credentialed tester
- Telematic tests can be submitted automatically
- Anyone can become a Credentialed Clean Truck Check Tester
- Become a tester for free with CARB's short online training completion of the exam.
- A credentialed tester list is available online.



Contact Details & More Information

- **Lead Staff:** Duncan Fry - Duncan.Fry@arb.ca.gov
- **Clean Truck Check Website:** <https://arb.ca.gov/cleantruckcheck>
- **General TruckStop Information:** <https://arb.ca.gov/truckstop>
- **Zero-Emission Vehicle TruckStop Information:** <https://arb.ca.gov/zevtruckstop>

Resources

- ACF homepage: arb.ca.gov/our-work/programs/advanced-clean-fleets
- Multiple factsheets: <https://ww2.arb.ca.gov/our-work/programs/advanced-clean-fleets/advanced-clean-fleets-fact-sheets>
- Searchable FAQ: <https://ww2.arb.ca.gov/applications/searchable-faq>
- Fleet Calculator: <https://ww2.arb.ca.gov/resources/documents/advanced-clean-fleets-calculator>
- ACF email: zevfleet@arb.ca.gov
- ZEV Truckstop homepage: arb.ca.gov/zevtruckstop
- Hotline: 1-866-634-3735



Thank You