



Advanced Clean Fleets (ACF) Drayage Truck Regulation Overview

November 30, 2023

Drayage Webinar Overview

- Welcome
- Today's format
- Today's Agenda
 - Air Quality, Background, Vehicles
 - Drayage Requirement Overview
 - Minimum Useful Life
 - Extensions & Exemptions
 - Reporting & Recordkeeping
 - Resources
 - Questions & Wrap-up



Air Quality, Background and Zero-Emission Vehicles

Measures to Clean Up Heavy-Duty Vehicles



2018
Innovative Clean
Transit



2020
Advanced
Clean Trucks



2021
Heavy-Duty
Inspection and
Maintenance



Future
Zero-Emission
Truck Measure

2019
Zero Emission Airport
Shuttle



2020
Heavy-Duty
Omnibus



2023
Advanced
Clean Fleets

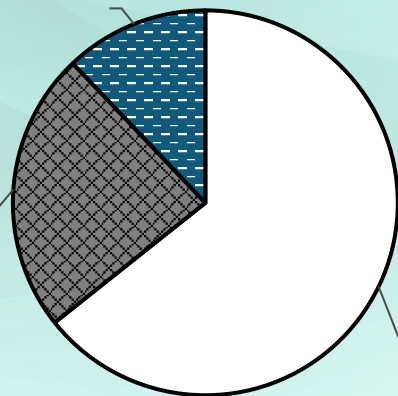


Biggest Trucks Have Highest Emissions

Daily Truck Population



Class 7-8 Tractors
219,000 (12%)



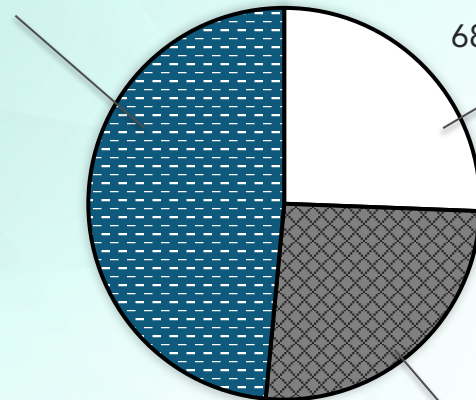
Class 4-8 Straight
Trucks and Buses
427,000 (24%)



Class 2b-3 Trucks
and Vans
1,164,000 (64%)

Daily NOx Emission

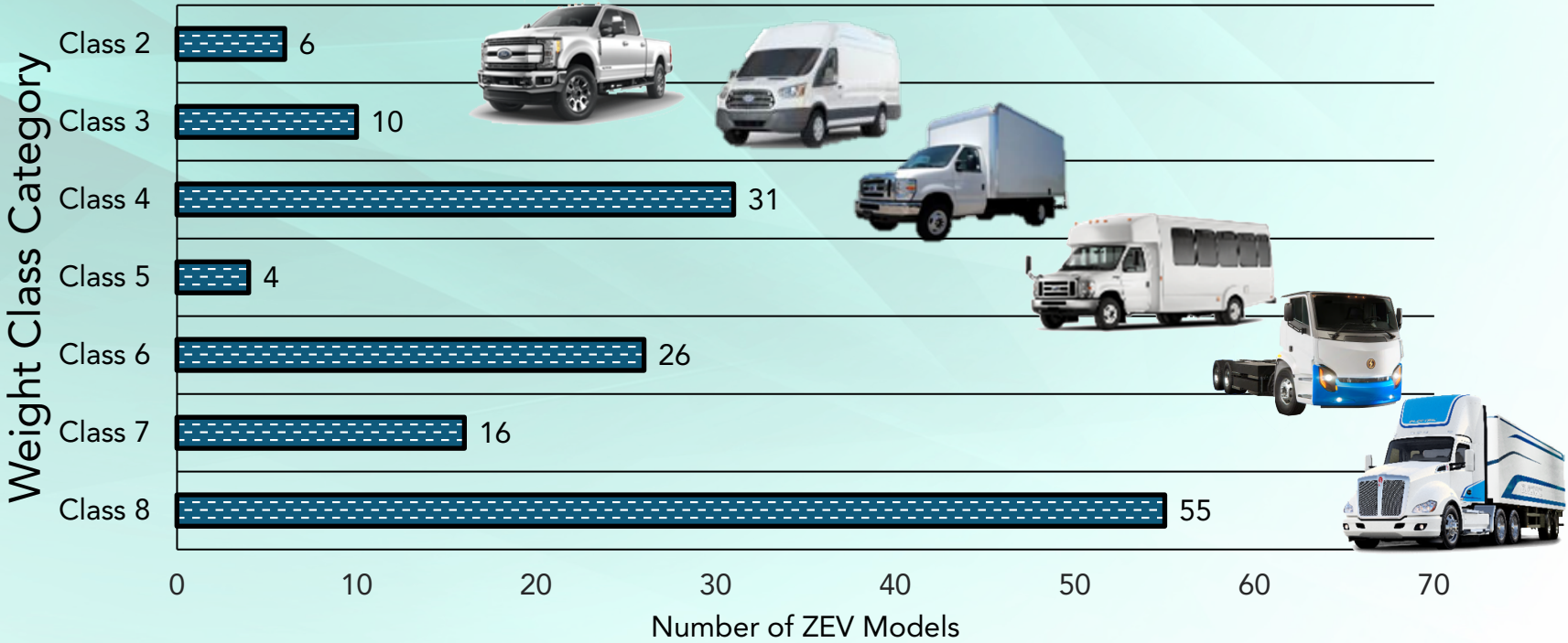
Class 7-8
Tractors
129.7 tpd (48%)



Class 2b-3
Trucks and
Vans
68.5 tpd (26%)

Class 4-8
Straight
Trucks and
Buses
69.3 tpd
(26%)

ZEV Models in United States



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

Vehicle Resources

californiahvip.org/vehiclecatalog

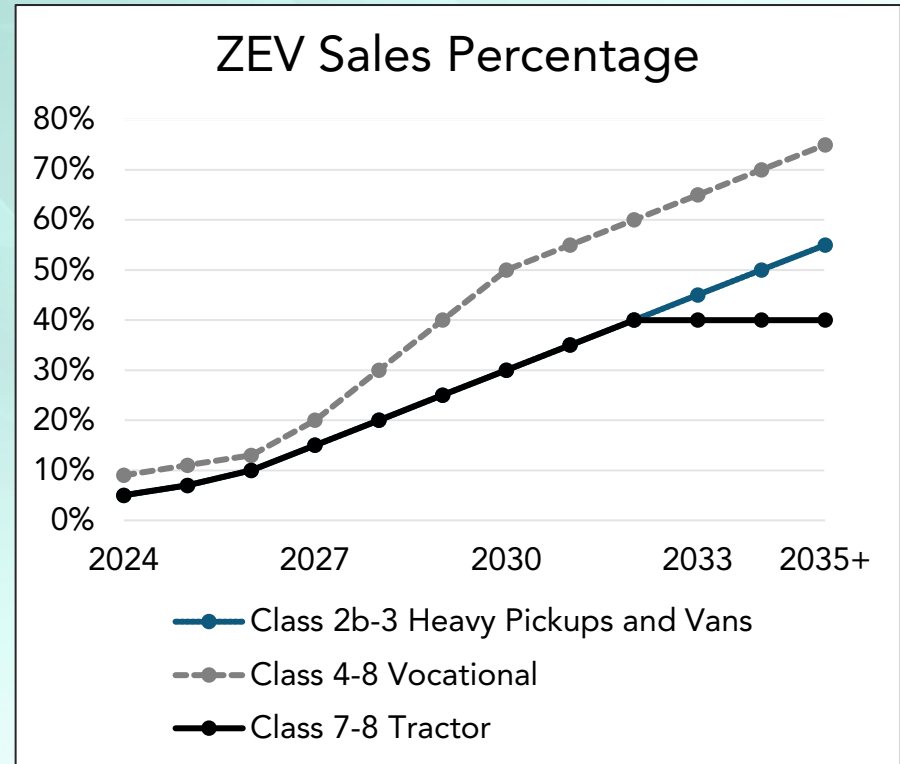
globaldrivetozero.org/tools/zeti

The screenshot shows the California HVIP website's vehicle catalog. At the top, there are navigation tabs: Funding, Vehicles (selected), Purchasers, Sellers, and News & Events. The main heading is "HVIP Eligible Vehicles". Below this, there is a sub-heading "Start by selecting a vehicle type below. Then select the vehicle(s) you are interested in to see the list of dealers and manufacturers who sell them." There are two buttons: "Approved Dealers" and "Archived Vehicles". The vehicle types are displayed in a grid of 10 categories, each with an icon and a label: 2b, ePTO, Heavy-Duty Bus, Medium-Duty Bus, Refuse, School Bus, Step & Panel Van, Straight Truck, Tractor, and All vehicles.

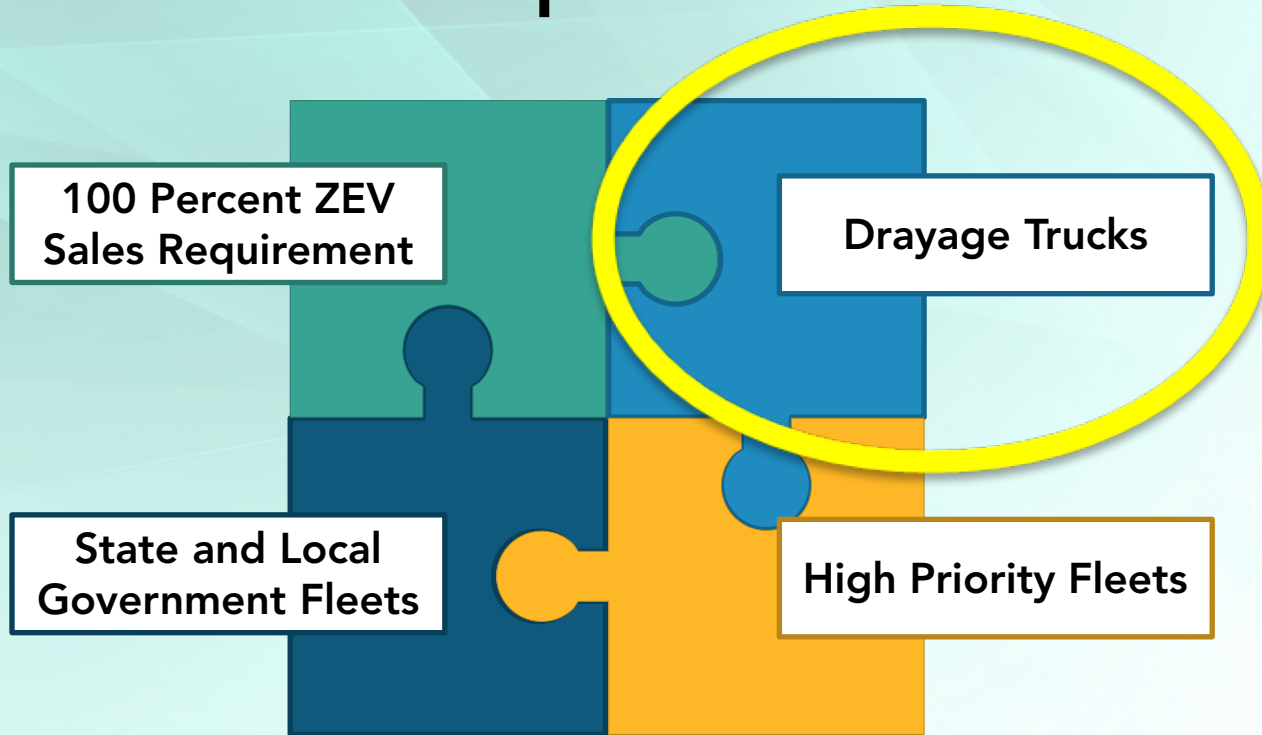
The screenshot shows the Global Drive to Zero Zeti tool interface. At the top, there is a navigation bar with links: HOME, MOU, ABOUT, NEWSROOM, PUBLICATIONS, EVENTS, TOOLS. The main heading is "ZERO-EMISSION TECHNOLOGY INVENTORY". Below this, there are regional filters: US & Canada (selected), Europe, China, India, Mexico, South America, and Oceania. There are two main selection sections: "SELECT FUEL TYPE" and "SELECT AVAILABILITY". The "SELECT FUEL TYPE" section has two options: Electric (selected) and Fuel Cell. The "SELECT AVAILABILITY" section has a timeline with three points: Available (selected), 2023, and 2024. Below these are two more sections: "SELECT A VEHICLE PLATFORM" and "SELECT A VEHICLE MANUFACTURER". The "SELECT A VEHICLE PLATFORM" section has 10 options: Coach Bus, School Bus, Shuttle Bus, Transit Bus, Cargo Van, MD Step Van, MD Truck, HD Truck, Yard Tractor, and Other. The "SELECT A VEHICLE MANUFACTURER" section has a grid of 40 manufacturer logos, including A, Affinity, BYD, CEV, E/NIIDE, ENL, ENDERA, ETV, GM, GLEED, Green, HYUNDAI, HYZEN, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z, and others.

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



Advanced Clean Fleets Regulation Components





Drayage Regulation Overview

Drayage Truck Regulation

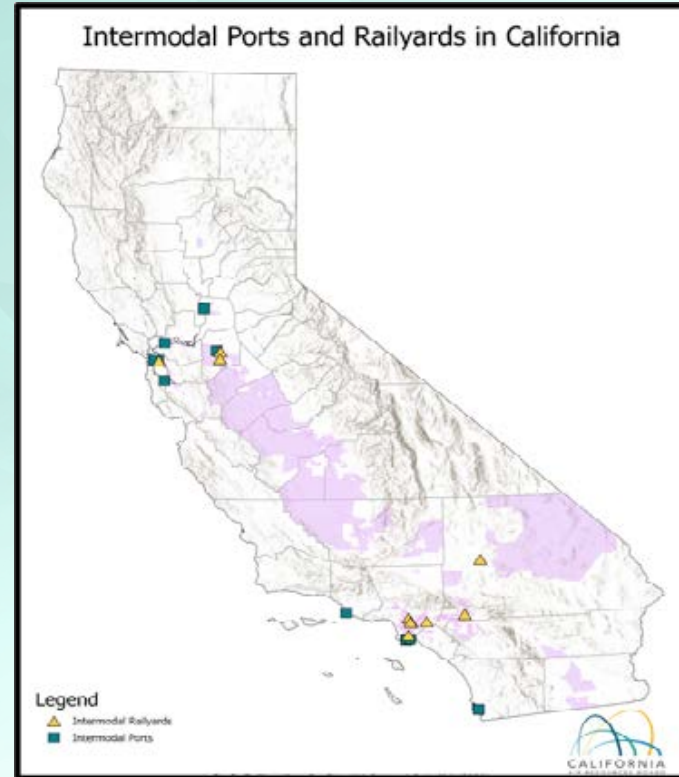
- Require Class 7-8 drayage trucks operating at California's seaports and intermodal railyards to transition to Zero-Emission Vehicles (ZEVs) by 2035



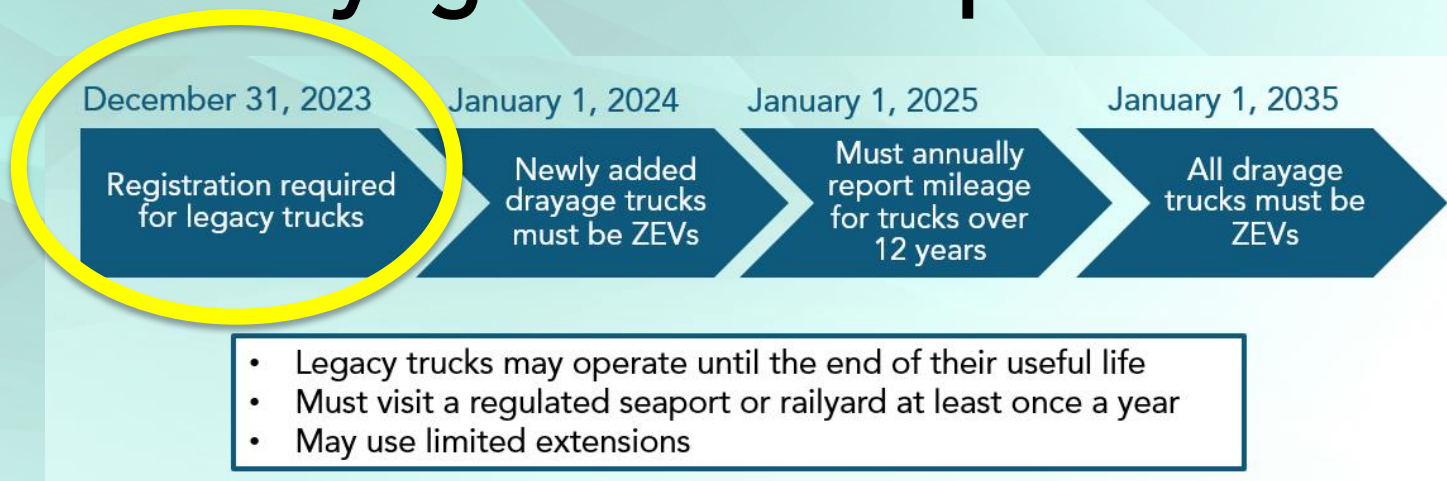
Seaports and Intermodal Railyards

"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.

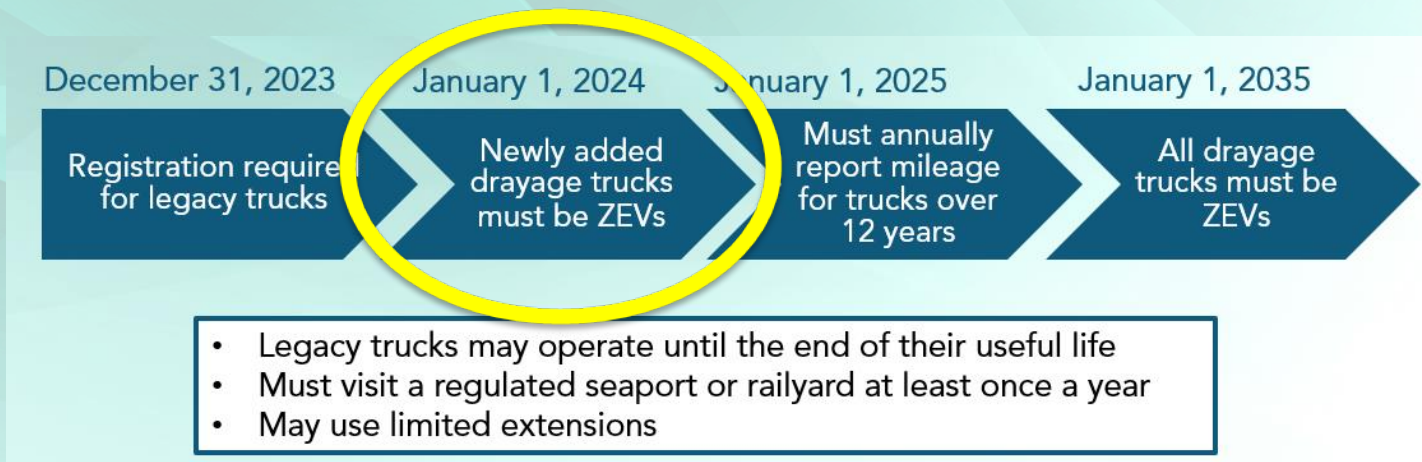


Drayage Truck Requirements



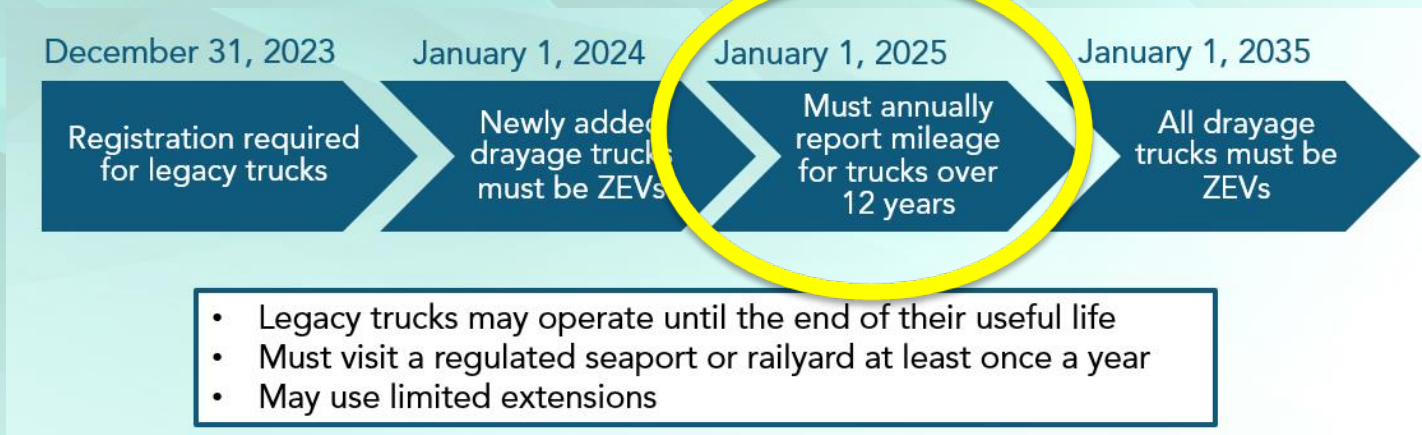
“Legacy drayage truck” means a non-zero-emission drayage truck with a 2010 or newer engine model year that was reported in the CARB Online System-TRUCRS on or before December 31, 2023.

Drayage Truck Requirements



- **Zero-emission Vehicle or (ZEV)** means a vehicle with a drivetrain that produces zero exhaust emissions of any criteria pollutant (or precursor pollutant) or greenhouse gas under any possible operational modes or conditions.

Drayage Truck Requirements



- **Beginning in 2025, all legacy drayage trucks 12 years and older begin reporting mileage annually and may not exceed their minimum useful life to remain in TRUCRS**
- **All legacy drayage trucks must visit a regulated seaport or intermodal railyard at least once each calendar year to remain in TRUCRS**

ZEV Drayage Truck Requirements



- All drayage trucks entering seaports and intermodal railyards would be required to be ZE by 2035.

Minimum Useful Life

All drayage trucks are subject to the minimum useful life thresholds.

- **Minimum Useful Life**
 - 18 years from the model year the engine and emission control system are first certified or
 - 800,000 vehicle miles traveled, or
 - Trucks get a minimum of 13 years from the certification date (if the truck has over 800,000 miles)
 - Example: Certification year+12 more years =13 years
- **Legacy drayage trucks can stay in TRUCRS until they exceed their minimum useful life**

Drayage Truck Exemptions: Dedicated Use Vehicles

Dedicated use vehicles are uni-body vehicles that do not have separate tractors and trailers or are vehicles using a power take-off unit, including:

- (A) Dedicated auto transports;
- (B) Dedicated fuel delivery vehicles;
- (C) Concrete mixers;
- (D) On-road mobile cranes; and
- (E) Vehicles that need power take-off units to operate.



Regulation Flexibilities

- Non-Repairable Vehicle Provision



Drayage Truck Extensions

Vehicle Delivery Delay Extension

- Available if vehicle delivery is delayed for reasons beyond truck owner's control
 - Ordered ZEVs at least 1 year in advance of deadline
 - Purchase agreement required
- Claim exemption during reporting period and provide proof of purchase



Infrastructure Construction Delay Extension

- Available if truck owner experiences ZE fueling and charging infrastructure construction delays that are beyond their control
 - Infrastructure construction must have begun 1 year prior to next compliance deadline
 - Eligible reasons include change of a general contractor, delays for obtain power from a utility, delays obtaining construction permits, delays due to unexpected safety issues, discovery of resources described in the California Environmental Quality Act, or natural disasters
- Submit request to Executive Officer for review

Drayage Truck Reporting

Key Reporting Dates

- All legacy or combustion drayage trucks intending to begin or continue operations at a California seaport or intermodal railyard must be reported in TRUCRS by **December 31, 2023**.
- Only zero-emission drayage trucks can be added beginning **January 1, 2024**.



Drayage Reporting Guidance Page

[Drayage Truck Registration Guidance | California Air Resources Board](https://ww2.arb.ca.gov/drayage-truck-registration-guidance)

<https://ww2.arb.ca.gov/drayage-truck-registration-guidance>

Drayage Truck Reporting

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)

[TRUCRS reporting system \(ca.gov\)](https://ssl.arb.ca.gov/trucrs_reporting/login.php)

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

Drayage Truck Reporting

TRUCRS Hi **Jesica** (Admin Home)
Login as fleet account:
[Log Out](#)

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

TRUCRS ID:

Account Home Message Center Company Info **Vehicle Info** Compliance Status Admin Tools

Vehicle List Odometer Readings Street Sweepers **Add Vehicle**

[View Notes History](#) [View Vehicle History](#)

Add Vehicle

Vehicle Identification Number (VIN)	<input type="text"/>
Your Own ID	<input type="text"/>
Vehicle Model Year	Please Choose... ▾
Vehicle Make/ Model	Please Choose... ▾ / <input type="text"/>
Vehicle Type	Tractor - Drayage Sleeper Cab ▾
Fuel Type	Request Garbage Packer Request Garbage Roll-Off Roll Off Truck Service Fuel Lube Service Utility Mechanic Silage Feeder Silage Harvest Silage Other Spray Truck Spreader Tractor Trailer Spreader Truck Sweeper 1 Engine Sweeper 2 Engine Tank Truck Tanker Tractor Trailer Tanker Truck and Trailer Tow Truck Roll Back Tow Truck Wrecker Tractor - Drayage Day Cab Tractor - Drayage Sleeper Cab
Vehicle Class (GWR)	
Registration Type	
License Plate	
Registration State / Province	
Date Purchased (YYYY-MM-DD)	
Date Form Received (YYYY-MM-DD)	
Data Entry Staff Name	
Notes	<input type="text"/>
Note Type	
Most Recent Author of Notes	

Engine Information Tractor - Drayage Sleeper Cab

Drayage Truck Reporting

Engine Information

Engine Family Name (Example WCPXL14.6ERK)

Engine Manufacturer

Engine Year

Flexibility Options

Compliance Option

- Please Choose...
- 2022 Ag Mileage Extension
- 2022 Heavy Crane Phase In
- 2022 Log-Truck Phase-in Option
- 2022 Low Use Exemption
- 2022 NOX Exempt w/ PM Filter
- 2023 Heavy Crane Phase In
- 2023 Low Use Exemption
- 2023 NOX Exempt w/ PM Filter
- None
- PM Filter - Original Equipment
- PM Filter - Retrofit
- Zero Emission Vehicle

If you would like to edit a specific vehicle by searching its

If you would like to edit a specific vehicle by searching "

[Vehicle History](#)

Drayage Truck Registry Migration

Drayage Account Migration

- Previously reported vehicles in the ARBER Drayage Truck Registry were migrated into new TRUCRS accounts
 - ~14k Drayage Accounts
 - ~212,000 Trucks w/2010 MY engines or newer

Emails were sent September 8th and 9th 2023 to the primary account contacts with instructions on how to access the new accounts, verify truck information, add additional trucks, or how to consolidate TRUCRS accounts.

Drayage Migration Guidance Page

[Drayage Truck Registration Guidance | California Air Resources Board](https://ww2.arb.ca.gov/drayage-truck-registration-guidance)

<https://ww2.arb.ca.gov/drayage-truck-registration-guidance>

Resources

- Additional information and FAQs can be found at Advanced Clean Fleets | California Air Resources Board Webpage: <https://ww2.arb.ca.gov/our-work/programs/advanced-clean-fleets>
- Link to Drayage Regulation Language [ACF Final Regulation Order - Drayage Truck Requirements \(ca.gov\)](#)
- ACF email: zevfleet@arb.ca.gov
- Truckstop homepage: arb.ca.gov/truckstop
- Hotline: 1-866-634-3735



Thank You