

Assessment of a Zero Emission Vehicle Requirement for Light and Heavy-Duty Vehicle Fleets

*Public Workshop
December 4, 2018*

Agenda

- Zero-Emission Vehicle Fleet (ZEV Fleet) Directive
- New ZEV Fleet Website and Email Bulletin
- Current Vehicle Electrification Goals
- Vehicle Inventory and Assessment
- Light-Duty (LD) Next Steps
- Heavy-Duty (HD) Next Steps

ZEV Fleet Directive from Governor Brown

Explore new regulatory actions to accelerate zero emission vehicles in light and heavy-duty vehicle fleets

Consider opportunities in a broad range of fleets:

- Public and private
- New mobility fleets
- Large employer fleets
- Rental fleets
- Delivery fleets
- Transportation Network Companies (TNCs)



New ZEV Fleet Website and Email Bulletin

Central location to provide information on zero-emission fleet rules

- Both LD and HD Announcements
- [ZEV Fleet email bulletin](#)

The screenshot shows the California Air Resources Board website. The header includes the CA.GOV logo, social media icons, and navigation links for Calendar, Help & FAQs, Contact, Careers, English, and Español. A search bar is also present. The main content area is titled "Zero-Emission Vehicle Fleet" with a "BACK TO ALL PROGRAMS" link. Below the title, there are links for "About", "Announcements", "Meetings & Materials", and "Subscribe". A "CATEGORIES" section lists "Clean Cars, Truck & Bus". A prominent "Email Bulletin" section contains the text: "Please subscribe to our email bulletin to stay up-to-date on future meetings and important events." and a "SUBSCRIBE" button. At the bottom, there are two placeholder boxes: "Announcements Placeholder" with a calendar icon and "Meetings & Materials Placeholder" with a person at a screen icon.

<https://ww2.arb.ca.gov/our-work/programs/zero-emission-vehicle-fleet>

Vehicle Electrification Goals

- Align electrification efforts with best market potential
 - Requires understanding of vehicles configuration, duty cycle, and cost
- Develop fleet rules to accelerate market penetration
 - Reporting will aid in vehicle inventory and assessment

Vehicle Inventory and Assessment

Vehicle inventory and reporting requirement to identify:

- Vehicle characteristics, use-case, and mileage
- Vehicles best suited to electrification:
 - Urban, low speed operation
 - Centrally fueled
 - Multiple stops, long idle time
- Access to infrastructure
- Potentially affected stakeholders:
 - Larger companies
 - Public fleets and utilities
 - Last-mile delivery
 - Rental fleets
 - Taxi fleets

LD Next Steps

- Clean Miles Standard (SB 1014) workshop, Early 2019
 - Regulation on ride-hailing services
 - Annual GHG reduction targets in grams-CO2/passenger-mile
 - [Email bulletin](#)
- LD fleet inventory assessment beyond ride-hailing
 - Evaluate if additional rules are needed

ARB Staff Contact Information

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MD and HD Next Steps

- Advanced Clean Truck Rulemaking
 - Continue manufacturer requirement (Class 2B+)
 - Recommend to Board mid-2019
 - Further discuss fleet reporting requirement

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