

# 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 website header with the California Air Resources Board logo and navigation links. The main content area is titled "Zero-Emission Vehicle Fleet" and includes a sidebar with links to "About", "Announcements", "Meetings & Materials", and "Subscribe". The main text describes the board's goal to meet a 5-million zero emission vehicle target by 2030. Below this is an "Email Bulletin" section with a "SUBSCRIBE" button. At the bottom, there are two placeholder boxes for "Announcements" and "Meetings & Materials".

<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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