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
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

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
- Light Duty Vehicles
  Banpreet Bhambra, Air Resources Engineer
  Email: Banpreet.Bhambra@arb.ca.gov
  Phone: (916) 324-0208
MD and HD Next Steps

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

ARB Staff Contact Information
- Medium and Heavy Duty Vehicles
  Paul Arneja, Air Resources Engineer
  Email: Paul.Arneja@arb.ca.gov
  Phone: (916) 322-5616