Public Workshop for Advanced Clean Truck Strategies, Truck Aerodynamics, and Sustainable Freight Data Collection

November 1, 2016
Sacramento, California
10:00 am – 3:00 pm

California Environmental Protection Agency
Air Resources Board
Air Quality and Climate Goals

- **Local Needs**
  - Reduce criteria pollutant emissions in inner-city and urban areas
  - Target disadvantaged communities to ensure benefits

- **Regional Needs**
  - Reduce regional NOx and PM to meet federal standards
  - Bring all of California into attainment
  - Reduce California’s petroleum usage by 50% by 2030

- **Global Needs**
  - Achieve 40% statewide greenhouse gas (GHG) reduction by 2030
  - Achieve 80% statewide GHG reduction by 2050
Multiple Air Quality Planning Efforts

- Air Quality Standards
- Freight Growth & Community Health Needs
- Petroleum Reduction Targets
- Climate Change Goals
- State SIP Strategy
- Sustainable Freight Action Plan
- SLCP Reduction Strategy
- GHG Scoping Plan

Pathways to the Future
Mobile Source Strategies

- Low NOx Engine Standards
- Inspection & Maintenance
- Low Emission Diesel Fuel
- Advanced Clean Trucks (LMD)

- Advanced Clean Transit
- Airport Shuttle Bus
- Vocational Aero

- Innovative Technology Regulation
- Low Carbon Fuel Standard
- Electrification of Transportation SB 350

- 2010 HD Engine Standard
- In-Use HD Engine Retrofits
- Cap and Trade SB 32
- Advanced Clean Cars

- Vehicle Efficiency Phase 2 GHG
- HD On-Board Diagnostics
- Car Scrap
- HVIP Funding

- Sustainable Communities SB 375
- 50% Ren Portfolio Standard
Today’s Meeting

- Part 1
  - Advanced Clean Trucks (Last Mile Delivery and Local Service Trucks)

- Part 2
  - Aerodynamic Technologies Used in Regional Vocational Trucks

-----------------Lunch Break------------------

- Part 3
  - Data Collection and Freight Hub Survey