



Mobile Source Update



Henry Hogo

South Coast Air Quality Management District

CARB Regulatory Activities

- Off-Road

- Amendments to the Low Sulfur Marine Fuel Regulation for Main and Auxiliary Engines – June 23, 2011
- Amendments to the Cargo Handling Equipment Regulation – September 22, 2011
- Transport Refrigeration Units Amendments – October 2011
- 2010 Railyard Commitment Language

CARB Regulatory Activities

- On-Road
 - ZEV Amendments – 2011
 - LEV III Amendments – 2011

Federal Regulatory Activities

- Determination of Widespread Use of Onboard Refueling Vapor Recovery (ORVR) – July 2011
 - Proposed Determination – June 30, 2013
 - States/Local Air Agencies May Consider Decommissioning of Stage II Vapor Recovery Systems
 - California Enhanced Vapor Recovery Program Provides Benefits Well Beyond 2013

Federal Regulatory Activities

- Fuel Economy and GHG Emissions Standards for Light-Duty Vehicles (MY 2017 – 2025)
 - Joint Announcement – July 2011
 - 5% per Year Reduction in CO₂ from MY 2016
 - MY 2025 - 163 g/mi CO₂ (54.5 mpg)
 - Proposal Expected to Be Released by End of September

Federal Regulatory Activities

- Fuel Economy and GHG Emissions Standards for Medium and Heavy-Duty Vehicles (MY 2014 – 2018) – Final Rule (Sept. 15, 2011)
 - Line Haul Tractors (Class 7 & 8)
 - Engine Standards (g/mi and g/bhp-hr CO₂)
 - 10 – 23% Reduction in CO₂
 - Vocational Vehicles (Class 2b – 8)
 - Vehicle Standards (g/ton-miles)
 - 6 – 9% Reduction in CO₂
 - Pickups & Vans
 - Fuel Efficiency Standards
 - 12 – 17% Reduction in CO₂

South Coast AQMD Activities

- Surplus Off-Road Opt-In for NO_x (SOON) Program
- Implementation of AQMD Fleet Rules
- Development of Mobile Source Emissions Reduction Credit Rules