



# MSTRS Update

## Clean Air Act Advisory Committee

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# Highlights of Yesterday's Meeting

- EPA's new MOVES model
- Clean Diesel and Retrofit
- Innovative financing for Retrofits and Fuel Economy improvement technologies for freight industry
- Mobile Source modeling in Ozone NAAQS RIA
- EPA's GHG rule
  - Industry perspectives from LD, HD, Fuel, Renewables and Enviros
  - (You'll hear a separate presentation about EPA GHG activities this afternoon)

# Perspectives on GHG Rule

- LD – Technology pathways and possibilities; near and long term
  - Potential for LD diesel in the US
  - Need strong market signals
- HD – Non-integrated industry
  - Strong competition on fuel economy
- Oil – Need for tiered regulatory program and standards based on realistic parameters

# Perspectives on GHG Rule (cont)

- Biofuels– Ability to ramp up ethanol production
  - Working on making biomass plants operational and cost-effective in 2012-2017 timeframe
- Enviros-- use a CO<sub>2</sub> or GHG metric; set regulations to protect public health and welfare; assess benefits of programs globally and in the U.S.

# Hydraulic Hybrid Demonstration Project

- Benefits of Hydraulic Hybrids
  - High fuel economy
  - Low incremental cost
    - Short payback to owner
    - High lifetime-savings
  - Very low emissions
  - Enables unique high-efficiency engines
- Yard Hostler Demonstration-APM Terminals, Ports of NY/NJ, Rotterdam, EPA
  - 50-60% efficiency improvement in port operation
  - Fuel savings of \$23,000 over 7 years
  - Will accelerate technology transfer to industry



# Clean Diesel Outreach

