Metropolitan Washington Clean Diesel Initiative

Jeff King
COG
MWCOG’s Diesel Emission Reduction Program

- Nonroad Construction Equipment in Maryland
- Passenger Vessel Operations in the Port of Alexandria, VA
- Prince William County Landfill Equipment
- Anti-Idling Campaign/Driver Recognition
MWCOG’s Environmental Programs

Regional Policy and Technical Committees
• Metropolitan Washington Air Quality Committee (MWAQC)
• Climate, Energy and Environment Policy Committee (CEEPC)
• Fleet Managers/Alt Fuels
• Green Building Group
• Energy Advisory Committee (EAC)
• Transportation Planning Board (TPB)
• Clean Air Partners

Areas of Focus
• Air Quality State Implementation Plan (SIP)
• Regional Climate and Energy Initiative
Offroad Construction Project

• 27 non-road highway equipment
• 3 owners
• Combination of engine upgrades, engine repowers, and diesel particulate filters
• 2 year project, not ARRA, currently working under extension
• Maryland Department of the Environment (MDE) Partner
Experience with the NonRoad Construction Project

- Hired good vendor, active with customers
- Flexibility with timing of taking equipment out of service
- Need to identify substitute owners
- Need to identify substitute equipment solutions
Results to Date

- 9 Engine Upgrades
- 1 Repower
- 3 DPF
- 12 tpy NOx
- 1.4 tpy PM
- M&V Visits and Owner Reports
COG, CAT, and Luckstone Team
777 Repower
777 Engine Label
Reliable Yard
Rubber Loader DPF
Asphalt Plant Loader DPF
Engine Upgrade Label

EMISSIONS UPGRADE ENGINE

PERF SPEC 0X-7283

FULL TORQ. 2.01 mm

STATIC FUEL

LOAD 0.91 mm

BARE ENG H8

IDLE RPM 2108

175 HP 130.5 kW AT 1900 RPM

10.0 BTC A/F RATIO DYNAMIC 0.50 mm
Nonroad Highway Construction Equipment
Questions?

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