



The Northeast Diesel Collaborative



A joint venture among EPA Regions 1, 2, NESCAUM and the eight Northeast states to reduce diesel emissions from mobile sources



Air Quality Challenges



- The Northeast has some of the highest asthma rates in the country –
 - All six New England states have childhood asthma rates above 10 percent
 - Areas of NYC have childhood asthma rates near 15 percent
- Twenty five counties in CT, NJ and NY do not meet the standard for fine particles and other urban areas just meet the standard

Air Quality Collaboration in the Northeast



- Region 1, Region 2 and the Northeast states have successfully collaborated for years to address air quality challenges
- State commissioners share strong concern about elevated levels of fine particles and support aggressive action to reduce diesel emissions now

The Northeast Diesel Collaborative



- A partnership of private, non-profit and government groups in New York, New Jersey and the six New England states working to reduce diesel emissions and the serious health threats posed by these emissions
- The collaborative will develop strategies to reduce diesel emissions from cars, trucks, buses, trains, boats and construction equipment

NE Diesel Collaborative Goals



- Launch local diesel emission reduction initiatives in communities across the northeast
- Incorporate retrofit requirements into construction contracts for public and private sector contracts
- Expand transit bus retrofits
- Retrofit school buses in urban/environmental justice communities
- Expand retrofit activities of ground-services equipment at ports and airports
- Expand truck stop electrification along major northeast corridors
- Improve compliance with idling restrictions

Local Initiatives



- In the Northeast, robust local initiatives are helping reduce diesel pollution
- These multi-stakeholder collaborations are increasing participation in EPA's voluntary transportation programs:
 - Greater Boston Breathes Better (GB3),
 - New England Asthma Regional Council (ARC)
 - New York Metro Area Air Quality Initiative (NYMAQI)

NE Collaborative Goal: Launch similar initiatives in other communities

Construction



- Construction contracts with retrofit requirements
 - NY City Local Law 77
 - World Trade Center Freedom Tower
 - Massachusetts Highway Department
 - New York Transit Authority
 - Massachusetts Bay Transportation Authority
- More than 500 pieces of construction equipment used throughout Northeast have been retrofitted
 - Big Dig, 7 World Trade Center, New Haven Q-Bridge

NE Collaborative Goal: expand use of construction retrofit requirements in construction contracts

Fleet Retrofits



- **Transit Buses**

- Nearly 4000 buses in the major Metro areas (New York, Boston, Providence, Stamford) use filters and ULSD

- **School Bus Retrofits**

- Over 4000 buses in the Northeast are being retrofitted

- **Private Fleets**

- 17 buses serving major Boston hospitals
- 35 tourist trolleys in Boston

- **Locomotives**

- Commuter rail locomotives operating in Greater Boston are fueling with LSD and some are being retrofitted with pollution controls

NE Collaborative Goal: Retrofit transit buses in additional areas, retrofit schools buses in urban/environmental justice areas

Ports



- Ferry Boats
 - Every ferry in New York harbor is being retrofitted and all private ferries will use ULSD
- Tugboats
 - Engines of 5 tugboats in New York harbor will be replaced
- Container Terminal
 - 36 vehicles (operating in yard and tractors hauling containers) at Conley terminal in Boston will be retrofitted and use ULSD

NE Collaborative Goal: Expand port activities along north Atlantic coast

Idle Reduction



- **Truck Stop Electrification**
 - Bronx, NY, New York State Thruway, and Bordentown, NJ
- **School Buses**
 - Every northeast state has a program to reduce school bus idling
- **Locomotive Auxiliary Power Units (APUs)**
 - 30 switchyard locomotives in Massachusetts and Connecticut have installed APUs to reduce idling
- **State Rules/ Enforcement**
 - 5 of the 8 northeast states have rules that limit idling time
 - Regions 1 and 2 have collaborated with the states on enforcement

NE Collaborative Goal: Expand truck stop electrification along major northeast corridors and improve compliance with idling restrictions

Northeast Diesel Collaborative

– Next Steps



- 2005 – develop and launch the collaborative
 - Highlight existing projects to help build support
 - Create new outreach materials (including website)
 - Recruit additional partners
 - Expand state and federal staff resources
 - Identify new areas for outreach and activity
- 2006 – continue to seek funding to launch additional projects
 - Sponsor a Northeast grant competition
 - Expand state, local and privately sponsored initiatives

Diesel Related Funding Opportunities

- **EPA's Appropriations Act for FY 06 (signed Aug. 2, 2005)**
 - \$5 million for National Clean Diesel Campaign
 - \$7 million for Clean School Bus USA
- **SAFETEA-LU -- Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users**
 - Diesel retrofits eligible for CMAQ funds
 - Authorizes \$55 million for Clean School Bus USA (FY06 and FY 07)
- **Energy Policy Act of 2005**
 - Authorizes \$100 million over three years for Diesel Truck and Fleet Modernization
 - Authorizes \$1 billion over 5 years for Diesel Emissions Reductions (mainly retrofits)
 - Authorizes \$55 million Clean School Bus USA (FY06 and FY 07) (same as Transportation Bill)
 - Authorizes \$140 million over three years for anti-idling programs for trucks and locomotives

Note: all authorized \$\$ still has to be appropriated by Congress

Northeast Diesel Collaborative - Conclusions



- High levels of exposure to diesel particulate matter in the Northeast pose a serious public health risk
- Reducing diesel emissions is a top priority for Regions 1, 2 and the northeast states
- The Northeast has a proven ability to effectively deliver diesel programs and projects to reduce air pollution
 - Over 8,000 engines have been retrofitted
- Despite success, the Northeast has enormous need to further reduce diesel emissions, especially in dense urban and environmental justice communities
- The collaborative will help the Northeast quickly deliver measurable improvements in air quality