

Mid-Atlantic Diesel Collaborative



www.dieselmidatlantic.org

Activities of the Mid-Atlantic Diesel Collaborative

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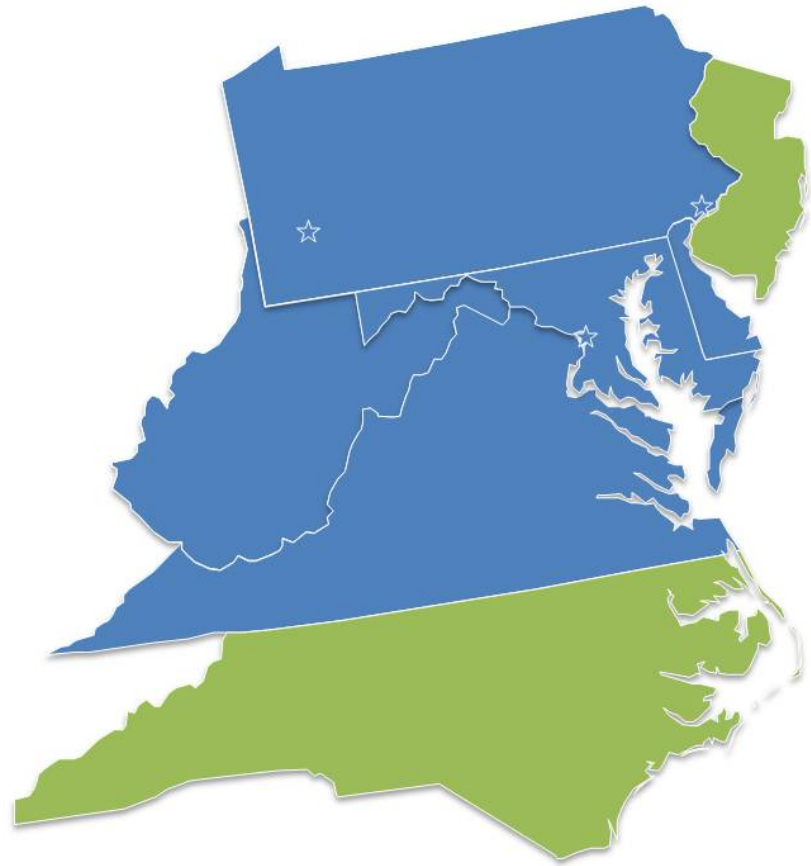
February 2013

Presentation Outline

- **What is the Mid-Atlantic Diesel Collaborative?**
- **What does the Collaborative do to reduce diesel emissions?**
- **What does the Collaborative do to assist its members?**

The Mid-Atlantic Diesel Collaborative

MDC is an informal partnership between leaders from federal, state, and local government, the private sector, and environmental groups



Mission and Purpose of the Mid-Atlantic Diesel Collaborative

- **Purpose**

- Leverage resources and expertise to reduce diesel emissions to protect public health throughout the Mid-Atlantic Region
- Promote collaboration and coordination among projects within the Region.
- Raise awareness of activities underway and the need for additional diesel emission reduction projects in the Region.



Sources of Funding

- **EPA has offered DERA and SmartWay Grants**
 - State grants
 - Competitive grants
- **Some other funding has been available – for example**
 - Allegheny County
 - Heinz Endowments
- **Who receives the grants**
 - Various collaborative partners – States, NGO's, others
 - Focus of this presentation is grants to MARAMA, including
 - Applications submitted on behalf of companies, government agencies, and others who are collaborative partners
 - Subgrants to MARAMA from member states

Retrofit Projects: 2008 – 2012

- DOCs:

- MD SHA: 181 dump trucks
- Mont Co: 26 dump trucks, 14 delivery trucks
- Philadelphia: 68 fire engines
- Port of Baltimore: 2 cranes
- Port of VA: 201 dray trucks



- DPFs:

- Mont Co: 12 delivery trucks, 15 dump trucks, 5 off-road engines
- Pittsburgh: 13 waste haulers

- Other:

- Virginia Beach: 10 NOI coolant heaters

Repower Projects: 2008 – 2012

- Annapolis: 2 harborcraft
- Harrisburg, PA: 15 pieces of off-road construction equipment
- Baltimore: 1 switch locomotive
- Philadelphia, Baltimore, Hampton Roads, VA: 1 tug (propulsion + aux.)
- Richmond, Hampton Roads, VA: 2 tugs (aux.)



Replacement Projects: 2008 – 2012

- Alexandria, VA: 7 diesel buses
- Maryland (PG, AA, St. Mary's counties): 7 cement trucks
- Gloucester County, VA: 5 school buses
- York County, VA: 1 backhoe



Replacement Projects: 2008 – 2012, (continued)

- Ports in VA, DE, Baltimore, Philadelphia: 147 short-haul dray trucks replaced to date. Anticipate replacing an additional 90+ trucks by 2014.



Other Projects: 2008 – 2012

- Port of VA & James Madison University: Biodiesel Buy Down
- Washington, DC: Idle Reduction Outreach and Driver Recognition Program



Projects 2012 –

- Pittsburgh & Allegheny County, Construction equipment retrofit and repower:
 - 16 – 30 projects for Small Business Construction companies
- Mid-Atlantic Clean Diesel Assistance Program: 2 tugs, 1 excursion vessel, 20 retrofits serving the Mid-Atlantic coast, Philadelphia
- Hampton Roads, VA: Approximately 20 additional dray truck retrofits

Current Projects



- Repower three vessels serving the region (\$1.1 M)
- Retrofit/repower construction equipment for small businesses in Western Pennsylvania (\$1.6 M)
- Retrofit dray trucks (\$100-\$200 K)
- Replace dray trucks at three ports (\$3.3 M)

Emission Reduction Summary

- Lifetime Emission Reductions, tons: 2008 – 2030

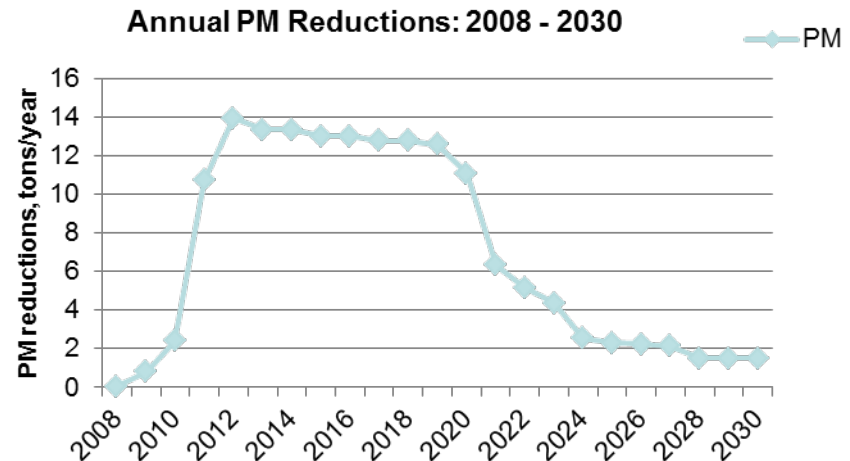
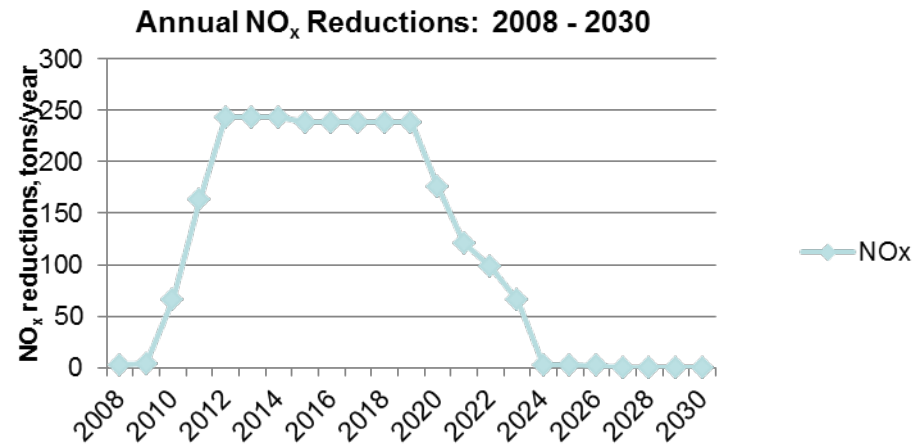
- NO_x: 2,622

- PM: 160

- HC: 239

- CO: 1,048

- CO₂: 5,864



Outreach Activities

- MDC website
 - Upcoming webinars & events
 - Funding opportunities
 - News & updates
 - New website anticipated Jan. 2013
- Email updates
- Quarterly webinars
 - Partner with EPA Region 3
 - Recent topics:
 - DERA Phase 1 & 2
 - Diesel & diesel alternatives
 - Dray truck replacements
 - Health effects of diesel emissions & air toxics

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