Mid-Atlantic
Diesel Collaborative
on the route to cleaner air

www.dieselmidatlantic.org

Activities of the Mid-Atlantic Diesel Collaborative

Michael G. Dowd
Chairman, MADC
Director, Air Division
Virginia Dept. of Environmental Quality

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?**

2

The Mid-Atlantic Diesel Collaborative

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

3

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.

4

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**

5

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

6

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.)

7

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

8

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.

9

Other Projects: 2008 – 2012

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

10

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

11

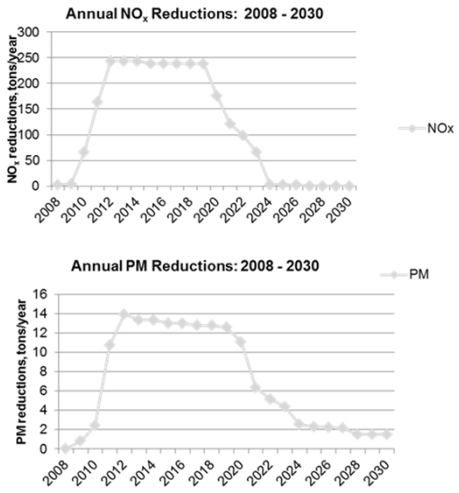
Current Projects

- 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)

12

Emission Reduction Summary

- Lifetime Emission Reductions, tons: 2008 – 2030
  - NO_x: 2,622
  - PM: 160
  - HC: 239
  - CO: 1,048
  - CO_2: 5,864



13

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

14

Contact INFO

Susan McCusker: smccusker@marama.org
Rick Gordon: rgordon@marama.org
Debbie Thomas: dthomas@marama.org

MDC/MARAMA
(p) 443.901.1882
http://www.marama.org/diesel/

15