The Philadelphia Diesel Difference

- A public-private partnership that works to reduce emissions from diesel engines in Philadelphia
  - Retrofit
  - Clean Fuels
  - Anti-Idling
- Working Group of over forty members
  - Government
  - Nonprofit
  - Technology Vendors
  - Academics
  - Fleets
Diesel Emissions: The Problem in Philadelphia

- Philadelphia ranked 3rd worst for Asthma sufferers (Asthma and Allergy Foundation of America)

- According to EPA, Diesel PM in 1999 caused:
  - 260 premature deaths at a cost of $1.4 billion
  - 450 Non-fatal heart attacks at a cost of $37 million
  - 32,000 missed days of work at a cost of $4.4 million in wages
  - 3,700 Asthma attacks at a cost of $160,000
  - 300 Respiratory and cardiovascular hospital admissions at a cost of $4.7 million
Settlement Funding

- **VEPCO**
  - Retrofits for School District
  - Retrofits for City Fleet

- **Sunoco**
  - In-kind ULSD for City
  - Subsidy on ULSD for School District
  - Retrofits for City and School District
Retrofit Projects

- Mid-Atlantic Diesel Campaign grant for 77 fire trucks
  - Leveraged Sunoco funds as match
- Clean School Bus USA grant – 150 buses
- Waste Hauler retrofits – using Sunoco funds
- State of PA Alternative Fuels Incentive Grant (AFIG) - $350k for dedicated biodiesel tank and incremental cost of fuel
- Port of Philadelphia – 85 pieces of off-road equip. using NCDC funds
- Recently applied for DERA and AFIG funds for CNG refuse haulers
Other Accomplishments

- Philadelphia Anti-Idling Enforcement Initiative Press Event (April 20, 2005)

- Partner Fleets:
  - Wissahickon SD, West Chester SD, Phila. Asthma Bus, N. Penn SD, Upper Darby SD, Unionville-Chadds Ford SD, Upper Moreland SD, Garnet Valley SD, City of Philadelphia/Philadelphia SD, Amtrak, SPC/Camden Iron & Metal, Lower Merion SD, PA Turnpike Comm.
  - 7 Platinum recognitions (Wissahickon SD, Amtrak, North Penn SD, Asthma Bus, SPC/Camden Iron & Metal, Lower Merion SD, Great Valley SD)

- Two dozen fleets representing 6,000+ vehicles have signed “Willing Fleets” list
Challenges and Difficulties

- Walt Whitman Truck Stop – Had funding in place for Shurepower electrification but truck stop lost its lease as part of proposed casino development
- Contract Language for Construction Retrofits – generating momentum has been difficult
- PPA enforcement dropoff – partnership short-lived without ongoing communication
Areas of Particular Concern

- **Ports**
  - Ports Task Force formed May, 2005 as a Subcommittee of Philadelphia Diesel Difference and funded by U.S. EPA Community Action for Renewed Environment (CARE) Grant—includes 3 working groups (Air, Water, Land/Brownfields)
  - Recently received CARE II funding for implementation of projects under CARE I

- **Airport**
  - PHL applied for VALE, State AFIG funds to install vehicle electrification technology and electrify gates
  - Airport is studying ways to reduce congestion around terminal, such as consolidating rental car bus fleets
Future Opportunities

- Sustainable Skylines – Want to pilot hybrid diesel or other project using funding for umbrella program

- Diesel Health Symposium and other events – hope to generate interest in clean diesel by reaching out to community

- Idling Outreach – will work with State of PA in conjunction with new statewide idling rule to educate diesel drivers

- Private funding Sources – Looking into ways to tap private funds for clean diesel projects (sim. to GASP)
  - Adopt-A-School-Bus
  - Partnerships with local private entities to change idling habits
For More Information

- Clean Air Council
  [www.cleanair.org/dieseldifference](http://www.cleanair.org/dieseldifference)

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