

Air Management Services

Voluntary Programs



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Northeast Transportation
And Air Quality Summit
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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
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