



**Pennsylvania
and Diesel Emissions
Reduction**

**Mid-Atlantic Diesel Collaborative
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**Pennsylvania
Department of Environmental Protection**

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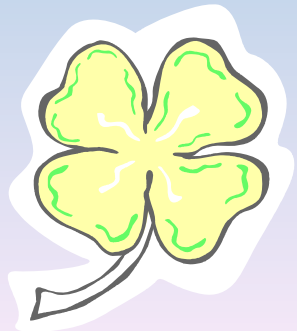
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**Luck is a matter of preparation
meeting opportunity.**

Oprah Winfrey

**It's hard to detect good luck --
it looks so much like
something you've earned.**



Frank A. Clark

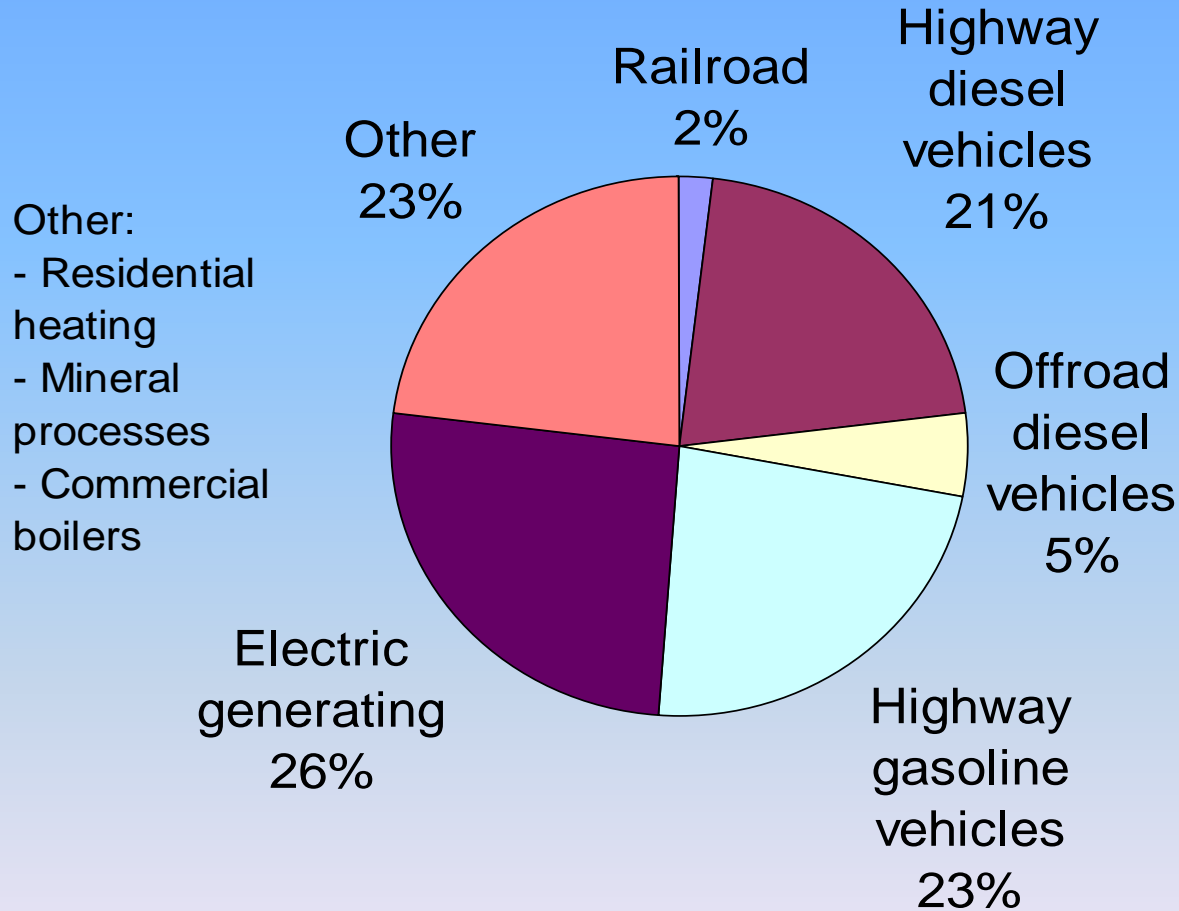


**We can lick gravity, but sometimes
the paperwork is overwhelming.**

Wernher von Braun

Pennsylvania – 2002

Nitrogen Oxides



Why reduce diesel emissions?

- **Attainment/maintenance**
- **Direct exposure to diesel particulate/toxics**
- **Equity**
- **Opportunity**

How we got started...

- **3M company – donation**
- **Diesel school bus retrofit was 3M's choice**
- **Competitive solicitation for districts**
- **EPA added funds and lots of technical support**
- **School district in Philadelphia area installed particulate filters and used ULSD**
- **School policy to spec'ing new vehicles for filters**

which led to...



- Educating ourselves
- Making a school bus video
- Working to educate other diesel fleets about emission reduction
- Partnerships like Philadelphia Diesel Difference
- Provide technical assistance to school districts for national school bus funds
- More money (ex. Clean School Bus, VEPCO/Dominion, Toyota)

Finding the

Win – Emission Reductions

Win – Energy Savings

Win – Reduced costs to fleets

- Energy policy is major thrust of current state administration
- Pollution prevention/energy efficiency
- Idling reduction **is** P2/E2
- Where funding is available – find the shoehorn!

PA Help for PA Companies

- **Small Business Advantage Grant**
- **Small Business Pollution Prevention/Energy Efficiency Loans**
- **Energy Harvest Grants**
- **Alternative Fuel Incentive Grants**
- **(to come?) Diesel Emission Reduction federal monies**

Pennsylvania Projects

School Districts:

- **Wissahickon – filters installed; ULSD**
- **North Penn – DOCs in process; ULSD**
- **Philadelphia – ULSD; plans for filters**
- **Seven school districts with Toyota \$ (ULSD and filters)**
- **Six districts with EPA Clean School Bus \$\$**
- **One district with county funding**

Pennsylvania Projects

- **Coca Cola and Waste Management Inc.: fuel-borne catalysts and filters**
- **Clean Air Council: statewide school bus anti-idling policies**
- **Transit and school district CNG grants**
- **Almost 100 small trucking companies funded for anti-idling technologies**

Pennsylvania Projects On the Way

- **Truck Stop Electrification 2006 – state funding**
- **Port of Philadelphia CARE grant**
- **Philadelphia International Airport**

WEBSITE

www.depweb.state.pa.us

For information, keyword: diesel
emission

For \$\$, keyword: OETD (Office of
Energy and Technology Deployment)