

US EPA ARCHIVE DOCUMENT



# Ohio Collaborative

---

November 13, 2008 MCDI  
Leadership Group Meeting



# Overview

---

- Ohio Diesel Coalition
- DERG update
- Ohio EPA Clean Diesel School Bus Retrofit Grant Program
- Ohio Green Fleets
- Next Steps



# Ohio Diesel Coalition

---



# Background

---

## Ohio Diesel Coalition

Members include Ohio Chamber, Greater Cleveland Partnership, MPOs, Contractor's Association, OEC, Ohio Clean Fuels, others...



### DERG Created in 2007-2008 Budget

- ❖ Transfer \$9,817,100 in FY2008 to Diesel Emission Reduction Fund
- ❖ Transfer \$10,057,800 in FY2009 to Diesel Emission Reduction Fund.



# 2008 Accomplishments

---

- DERG First Round: Outreach to generate applications
  - 42 applications submitted
  - Total request of \$42 million of \$9.8 million available
- DERG First Round Results
  - 10 grants awarded totaling \$8.5 million
  - 32 Applications rejected as incomplete





# 2008 Accomplishments

---

## ■ **Improvement of the DERG Process**

- August 14<sup>th</sup> meeting (Coalition, State Agencies and Region V)
- Multiple suggestions provided will be adopted:
  - PPP template
  - Bidders conference calls
  - Application check list
  - Maximize available funding (non-DERG eligible portion of the project)



# Plans for 2009

---

- Objective 1: Successful Second DERG Round
  - Outreach = goal to flood state with applications.
  - Assist in making grant review faster and more competitive.



- Objective 2: Obtain new funding for the DERG Program
  - Likely CMAQ won't be an option.
  - Tight State budget.
  - May be very difficult to secure new funding for the DERG program.





# Diesel Emission Reduction Grant (DERG) Program

---

## Update

<http://www.odod.state.oh.us/diesel-emissions/>



# First Round Awards

---

- Arcelomittal Cleveland Works Railway
- Central Ohio Transit Authority
- City of Cleveland Heights
- Crestwood Local Schools
- Greater Dayton Regional Transit Authority
- Indiana & Ohio Railway Company (2 projects awarded)
- RJ Corman Railway Company
- Toledo Area Regional Transit Authority
- Wheeling & Lake Erie Railway

# DERG Fiscal Update (First Round)

| Project Name  | Description  | Encumbered         | Outstanding        | Total DERG         | Other Total (20% match) | Grand Total         |
|---|--|--------------------|--------------------|--------------------|-------------------------|---------------------|
| Toledo Area Regional Transit Authority Bus Repower        | Repower 33 buses with new engines burning ULS diesel & 20% biodiesel   | \$1,714,627        |                    | \$1,714,627        | \$428,657               | \$2,143,284         |
| Crestwood Schools Retrofit                                | Purchase & installation of DOCs and closed crankcase filters on 25 buses   |                    | \$37,106           | \$37,106           | \$9,277                 | \$48,383            |
| RJ Corman Locomotive Replacement                          | Railroad locomotive replacement  |                    | \$1,278,774        | \$1,278,774        | \$319,694               | \$1,598,468         |
| Wheeling & Lake Erie Railway anti-idle equipment          | Purchase SmartStart automatic engine start/stop and electric powered locomotive dual heating anti-idle equip. for 16 locomotives |                    | \$140,643          | \$140,643          | \$35,161                | \$175,804           |
| Central Ohio Transit Authority bus repower/retrofit       | Repower to post 2006 model year emission standards and install particulate filers on 11 bus engines                              | \$862,409          |                    | \$862,409          | \$215,602               | \$1,078,011         |
| Greater Dayton Regional Transit Authority bus replacement | Replace 4 bus engines  | \$998,400          |                    | \$998,400          | \$249,600               | \$1,248,000         |
| Indiana & Ohio Railway Company Engine replacement         | Purchase 2 ultra low emission locomotives replacing 2 1970 locomotives   |                    | \$2,247,200        | \$2,247,200        | \$561,800               | \$2,809,000         |
| Indiana & Ohio Railway Company anti-idle equipment        | Purchase & install APU anti-idle equipment on 24 locomotives   |                    | \$813,216          | \$813,216          | \$203,304               | \$1,016,520         |
| City of Cleveland Heights vehicle replacement             | Replace a 1994 aerial lift vehicle with a new hybrid electric vehicle  | \$56,500           |                    | \$56,500           | \$14,125                | \$70,625            |
| Arcelomittal Cleveland Works Railway anti-idle equipment  | Purchase & install water and oil-heating units with battery chargers on 28 diesel electric switching engines                     |                    | \$427,523          | \$427,523          | \$106,881               | \$534,404           |
| Subtotal  |  | <b>\$3,631,936</b> | <b>\$4,944,463</b> | <b>\$8,576,399</b> | <b>\$2,144,100</b>      | <b>\$10,720,499</b> |



# Second Round

---

**IMPORTANT! Information about the 2nd Round is NOT official. Some changes are expected.**

- Tentative dates:
  - Release of RFP - December 15, 2008
  - 1<sup>st</sup> Bidder Conferences - January 12, 2009
  - 2<sup>nd</sup> Bidder Conferences - February 9, 2009
  - Deadline to submit proposals - March 2, 2009
  - Announcement of award - May 18, 2009



# 2<sup>nd</sup> Round Project Application

---

- Prior to the deadline for submission, two conference calls will be scheduled for questions and answers. The minutes will be posted on the website. Oral communication regarding this RFP with any of the staff or reviewers is not permitted. Questions should be submitted during the conference calls.
- The Proposals must be submitted in hard copy.



# Ineligible Costs

---

- Operating expenses and fuel costs, including incremental costs of fuel.
- Any project required by any law or other agreement.
- Work done or purchases made prior to official notice of project funding approval or for costs incurred for work or purchases not included in the approved project costs.
- Installation costs incurred from in-kind services or by an unauthorized vendor.
- Administrative costs (**important consideration if engaging into a PPP**)



# Selection Criteria

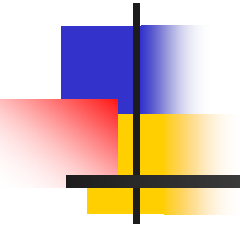
---

- The equipment MUST operate in nonattainment or maintenance areas for at least 65% of the time.
- For PPPs, partnerships must have a legal, written agreement in place between the public agency and the private or non-profit entity.
- PPP agreements should specify:
  - Intended use for CMAQ funding;
  - Roles/responsibilities of the participating entities;
  - How the disposition of land, facilities, and equipment will be carried out.
- PPP template on ODOD webpage



# Clean Diesel School Bus Retrofit Grant Program

---





# 2008 Accomplishments



- \$654,423 in grants awarded to 13 school districts.
- 338 school buses retrofitted.
- Nearly 3 tons of pollution eliminated: 475 pounds of particulates, 3,697 pounds of carbon monoxide, 1,668 pounds of hydrocarbons.
- \$600,000 annually in state funds used as match for additional \$295,230 in federal funds from State Clean Diesel Grant for 2009.



# 2008 Accomplishments

## ■ Ohio EPA Education Grants

- “Ohio Green Fleets” \$48,549 for Clean Fuels Ohio to help at least 20 business & government fleet operators reduce emissions and improve environmental performance.
- “Biodiesel Production and Use” \$14,898 for Miami Valley Career Technology Center, to help students perform maintenance & diagnostics on diesel equipment, test for CO emissions, and measure fuel consumption, to study benefits of biodiesel and other renewable fuels.



# Ohio Environmental Council

[ UNLEASHING THE POWER OF GREEN ]

- OEPA grant: 18 buses impacted in Stark County (Canton area) with 18 DPF's and 12 CCFS
- SEP: 5 vehicles impacted owned by Cleveland area municipalities with 3 DPF's and 2 DOC's
- Central Ohio Clean Diesel Initiative: 7 vehicles owned by SWACO with 3 DPF's and 4 level II controls
- MCDI: Two grants coordinated by OEC – 1. Six school district grant in Stark County and 2. Three municipalities and one airport joint grant.
- Advocating for a city-wide idle policy/ordinance in Cleveland.
- Commented on state and federal proposed diesel rules (locomotive/marine) and SIP PM 2.5 plans.
- Press events to highlight grants and diesel clean up efforts.
- Educating drivers, fleet managers and administrators on grant opportunities and diesel impacts on health.



# Plans for 2009

---



- **Ohio EPA Clean Diesel School Bus Retrofit Grant Program**

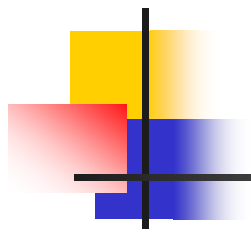
- Seek legislative reauthorization for 2010-2011 biennium through the state budget process
- Recruit grant applications from school districts, targeting especially those in the 28 PM 2.5 non-attainment counties. No applications have been received to date from schools in 13 of these high-priority counties.



# Collaborative Next Steps

---

- Continue Ohio EPA Clean Diesel School Bus Retrofit Grant Program.
- Continue targeting nonattainment areas.
- Think long term towards the revised PM2.5 and ozone NAAQS.
- Encourage fleets to adopt clean diesel strategies as much as possible.
- Expand diesel reduction initiatives to railroads and ports.
- Work with fleets, policymakers, organizations and industry to identify funding sources for clean diesel projects.



---

# OHIO GREEN FLEETS





# Cost of Transportation

---

- One-third of CO2 emissions
- One-half of more of ozone-smog emissions
- One-quarter of PM2.5 emissions
- Transportation and Petroleum
  - 75% of petroleum use is for transportation
  - About 70% of our petroleum is now imported.
  - 95% of transportation energy is petroleum-based
- Business as usual will devastate individual budgets and the economy overall



# OHIO GREEN FLEETS

Major Funders:



USEPA Affiliation:



Founding Sponsors:

**HONDA**



**Emission Solutions**



**Clean Energy**  
North America's leader in clean transportation



**FirmGreen**  
...the world of renewable energy™



Several local partners throughout Ohio.







# “Help fleets that need it.”

---

- Provide technical and informational assistance.
  - Fuel saving, cleaner fuels, emissions control
- Develop a policy or strategy within a budget.
  - Depending on vehicle types, usage, and budgets
- Apply for grant funding – if appropriate.
  - Ohio DERG, USEPA, USDOE, Others

# Many Technology Options



- Diesel Retrofits
- *Anti-Idling Devices*
- *Other Energy-Saving Devices*
- *Hybrid Electric*
- Biodiesel
- Natural Gas
- Propane



# Grants

---

- Ohio Diesel Emission Reduction Grant Program
- USEPA Midwest Clean Diesel
- USDOE Clean Cities
- ODOD – B20 Biodiesel (School Buses)
  - Incremental cost differential reimbursement
- Ohio EPA – DPF and other Retrofits (School Buses)

# “Recognize those that deserve it.”

- Emissions Targeted for Measurement
  1. Fine Particles (PM2.5)
  2. Nitrogen Oxides (NOx)
  3. Volatile Organic Compounds (VOCs)
  4. Carbon – CO2 (Net)
- Points System
  - Percentage reductions in emissions
  - Percentage reductions in fuel use, petrol use
  - Earn Rating: ★ ★ ★ ★ ★ ★ ★ ★ ★ ★

# Get Recognition as an "Ohio Green Fleet"





# How and When to Apply

---

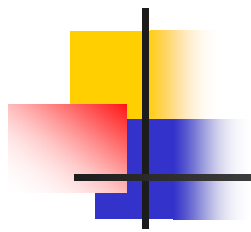
- Accepting applications beginning late October
- Attend Upcoming Fleet Seminars
- OhioGreenFleets.com:
  - Info available by early-mid October
  - Scoring System and examples
  - Data Needed
  - Contact Clean Fuels Ohio for assistance



# Ohio Green Fleets – Fleet Seminars

---

- October 28, Toledo
- November 7, Columbus
- November 13, Cleveland  
(Independence)
- November 18, Cincinnati
- November 20, Dayton



---

[www.CleanFuelsOhio.org](http://www.CleanFuelsOhio.org)

[www.OhioGreenFleets.com](http://www.OhioGreenFleets.com)

3400 North High Street, Suite 430  
Columbus, Ohio 43202  
(614) 88-GREEN  
(884-7336)

Sam Spofforth, Executive Director  
Brad Couch, Program Director  
Jill Herbst, Development Director  
John McGovern, Earth Day Coalition – (216) 281-  
6468

11/17/2008

Clean Fuels Ohio





# Questions

---

Thank you!

For more information:

- Joseph Koncelik  
[JKoncelik@frantzward.com](mailto:JKoncelik@frantzward.com)
- Carolyn Watkins  
Ohio EPA – Office of Environmental Education  
(614) 644-3768  
[Carolyn.Watkins@epa.state.oh.us](mailto:Carolyn.Watkins@epa.state.oh.us)
- Carolina Prado  
Ohio EPA-Division of Air Pollution Control  
(614) 644-2310  
[Carolina.Prado@epa.state.oh.us](mailto:Carolina.Prado@epa.state.oh.us)
- Devan Willemsen  
Ohio Environmental Council  
(614)487-7506  
[devan@theoec.org](mailto:devan@theoec.org)