

WELCOME!

Michigan Clean Diesel Initiative

Spring Meeting
May 14, 2010
Kellogg Hotel and Conference
Center
East Lansing, Michigan



The Michigan Clean Diesel Initiative (MiCDI)

What is the MiCDI?

A group of government, industry, and nonprofit organizations working together to address diesel engine pollution in Michigan. The MiCDI promotes the implementation of diesel engine emission reduction activities that reduce fuel use, particulate matter (PM) and ozone (O₃) emissions.

The Objectives MiCDI

To help the state of Michigan achieve improvements in the federal air quality standards through operational changes, technological improvements and the use of cleaner fuels.

The Michigan Clean Diesel Initiative (MiCDI)

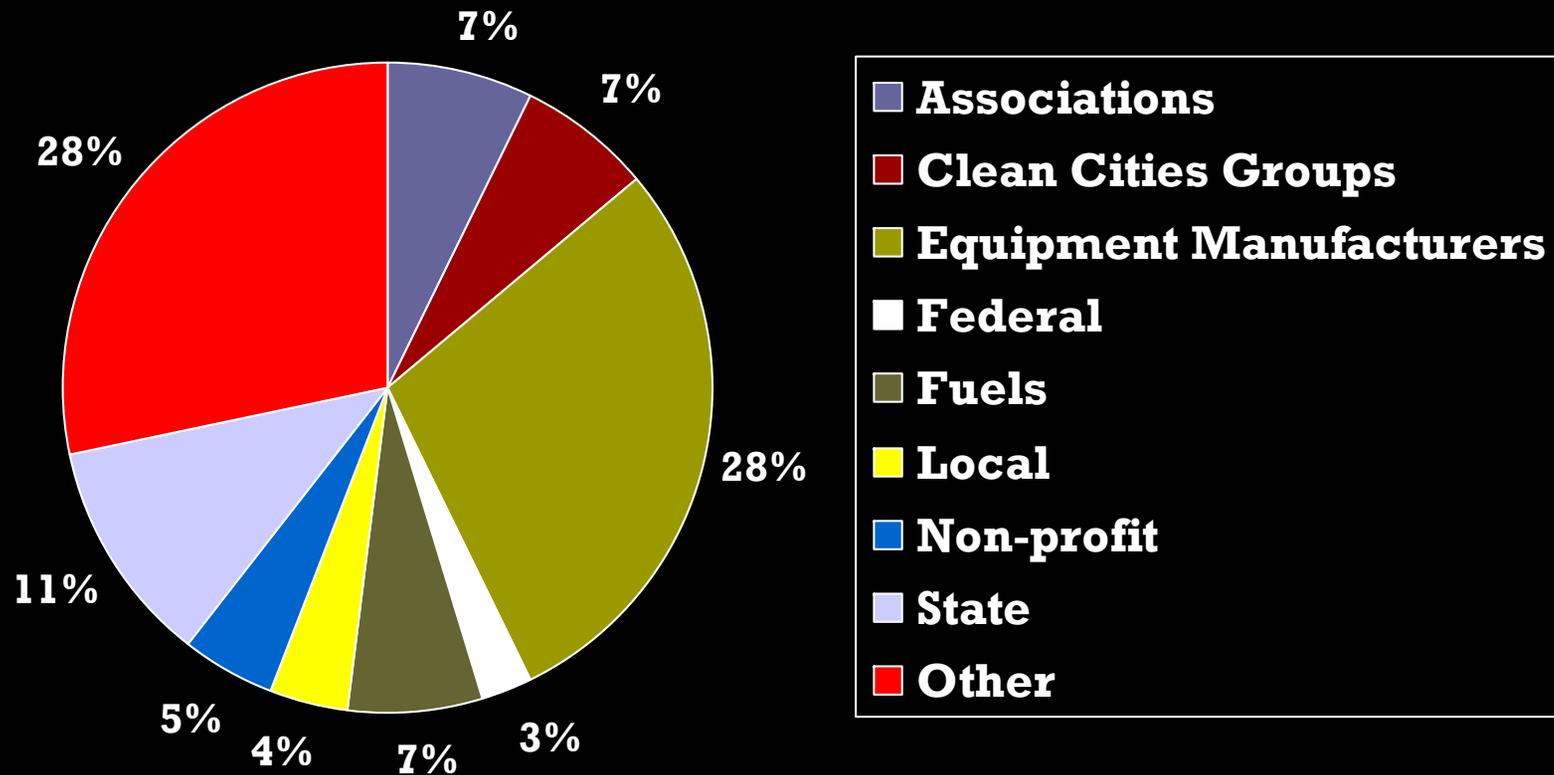
- Works within specific geographic areas and industry sectors of Michigan to **identify where environmental improvements can be made** for diesel engine emission reductions.
- Encourages the **development and expansion of innovative technologies** that can be used by these industry sectors as well as ways to implement diesel emission reductions at the local level.
- Acts as a conduit to help **identify funding opportunities and resources** that can be used to implement diesel reduction technologies and strategies, and provides resources for the application process.

The MiCDI and Regional Collaboration

- The MiCDI is a part of the regional clean diesel efforts supported by the U.S. EPA through the Midwest Clean Diesel Initiative – a six state collaborative body.
- Each state clean diesel collaboratives' goal: to reduce (PM) emissions from 1 million diesel-powered engines located in the Midwest by 2010.

Growth of the MiCDI (2008 to present)

Coalition Make Up - 152 members



MiCDI Accomplishments (2004-2009)

Coalition-Sponsored Diesel Engine Emissions Reduction Projects (2004-2005)

- **Okemos Public Schools:** Exhaust control retrofit project - **78** statewide school bus **engines**
- **City of Ann Arbor:** Biodiesel fuel substitution for **18** school buses for the Manchester Community Schools
- **Okemos Public Schools:** exhaust control retrofit project – **283** statewide school bus **engines**

MiCDI Accomplishments (2004-2009)

Coalition-Sponsored Diesel Engine Emissions Reduction Projects (2005-2006)

- **Traverse City Public Schools:** Exhaust control retrofit project for **120** school bus engines and **1** school bus vehicle replacement.
- **NextEnergy:** Exhaust control retrofit project for 4 school districts – **58** school bus **engines**.
- **Tuscola Intermediate Schools:** Exhaust control retrofit project for **24** school buses, and biodiesel substitution for **75** school buses in 4 school districts.

MiCDI Accomplishments (2004-2009)

Coalition-Sponsored Diesel Engine Emissions Reduction Projects (2007-2008)

- **St. Clair Regional Education Service:** Exhaust control retrofit project for **183** school buses.
- **Elkton Pigeon Bayport Laker Schools:** Exhaust control retrofit project for **12** school buses, and the implementation of biodiesel fuel in the school district.
- **Southeast Michigan Diesel Emissions Reduction Project:** Exhaust control retrofit project for **180** Detroit Public Schools buses.

MiCDI Accomplishments (2004-2009)

Coalition-Sponsored Diesel Engine Emissions Reduction Projects (2008)

- **NextEnergy**: Auxiliary Power Unit installation project for **34** privately held long haul trucks.
- **Lenawee Intermediate School District**: Exhaust control retrofit project for **12** school buses.
- **Elkton Pigeon Bayport Laker Schools**: Idle reduction project for **12** school buses. Conversion of biodiesel from B2 to B20 and **5** school bus replacements.

MiCDI Accomplishments (2004-2009)

Coalition-Sponsored Diesel Engine Emissions Reduction Projects (2008-2009)

- **Ann Arbor Clean Energy Coalition:** Repower 19 non-road pieces of construction equipment.
- **Greater Lansing Clean Cities:** Exhaust control retrofit for 405 public school buses; replacement of 6 public school buses.
- **Great Lakes Commission:** Repower 4 marine engines and their respective service generator sets.

MiCDI Accomplishments

Coalition-Sponsored Diesel Engine Emissions Reduction Projects (2009)

- **Lenawee Intermediate School District:** Exhaust control retrofit project for **41** school buses and the hybrid replacement of **2** school buses.
- **Detroit Wayne County Port Authority – Nicholson:** certified repower of **8** aerial lifts.
- **Detroit Wayne County Port Authority – Waterfront:** certified repower of **2** marine engines and **2** generator sets.

MiCDI Accomplishments

Coalition-Sponsored Diesel Engine Emissions Reduction Projects (2009)

- **Okemos Public Schools:** Exhaust control retrofit project for **29** statewide school buses and **1** refuse hauler.
- **Southwest Detroit Environmental Vision:** Repower **2** marine engines and **1** off road truck; install low rolling resistance tires on **13** on road tractors (trailer), **5** on road (tractor) trailers, and **5** Class 8 trucks; **1** construction equipment replacement; and **46** Class 7 and 8 trucks exhaust control retrofit projects.

MiCDI Accomplishments

Coalition-Sponsored Diesel Engine Emissions Reduction Projects (2009)

- **Whiteline Express, Ltd.:** Auxiliary Power Units on **30** Class 8 trucks.
- **Zeeland Public Schools:** **9** school bus vehicle replacements with hybrid propane, and **6** exhaust control equipment installations on school buses.

**TOTAL NUMBER OF AFFECTED ENGINES IN MICHIGAN
MORE THAN 1700!!!!!!!**

What Is Next?

State Clean Diesel Grant Program and American Recovery and Reinvestment Act (ARRA)
Projects scheduled for FY 08-09 and FY 09-10
concluding...

Focusing now on FY 10-11 ■ ■ 

- U.S. EPA **State Clean Diesel Grant** Total for FY 10-11: **\$588,235**
- State **Work Plan** Under Development
 - Proposing **3** distinct **project types**

State Clean Diesel Grant Program FY 10-11

The 2010-2011 Southeast Michigan Diesel Emissions Reduction Project

The DNRE proposes to continue its successes in Southeast Michigan by working with additional **diesel engine emission sources, located in Southwest Detroit**. The Detroit project will fund a small portion of **two equipment replacements** (material scrap handlers), owned and operated by Ferrous Processing and Trading of Detroit.

State Clean Diesel Grant Program FY 10-11

The 2010-2011 West Michigan Clean Diesel Project

The DNRE proposes to launch an initiative in the **Grand Rapids metropolitan area**. Projects will include: installation of **exhaust control diesel engine retrofit devices** on City of Grand Rapids utility, stake, and dump trucks as well as refuse haulers, the installation of **fuel saving heaters** on similar and/or the same City of Grand Rapids trucks, and the installation of **side skirts** on Class 8 tractor trailers owned by Trailer Equipment, Inc.

State Clean Diesel Grant Program FY 10-11

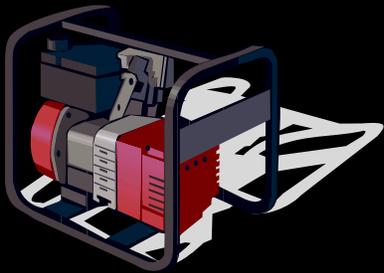
The 2010-2011 State of Michigan Request for Projects (RFP) Competition

The DNRE proposes to offer a competitive **Request for Projects (RFP)** to solicit diesel engine emissions reduction projects from **public and private entities** in Michigan. Projects will be limited to counties* of the State where particulate matter attainment is measured to be within 60-100% of the 24-hour federal PM_{2.5} standard.

State Clean Diesel Grant Program FY 10-11

- All three projects are expected to begin in the fall of 2010 (the beginning of FY 10-11).
- The state RFP for competitive grants is expected to be announced sometime in October and will stay open for a 60-day period. The RFP funding levels are unknown at this time.
- Successful candidates of the RFP Process are expected to receive notification sometime in December 2010 or early January 2011.
- The RFP project period is expected begin in February/March 2011 and conclude by September 2011.

Questions?



How to Get Involved in the Midwest Regional Collaborative

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The logo for the Midwest Clean Diesel Initiative features a stylized blue wave graphic above the text "MIDWEST CLEAN DIESEL" in blue and "INITIATIVE" in green.

MIDWEST CLEAN DIESEL
INITIATIVE

www.epa.gov/midwestcleandiesel

How to Get Others Involved in the MiCDI

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