



# Michigan Clean Diesel Initiative (MiCDI)

June 30 - July 1, 2010  
Double Tree Hotel  
Chicago



# The Michigan Clean Diesel Initiative (MiCDI)

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## *History*

The MiCDI was formed in October 2007 under the auspices of the former Michigan Department of Environmental Quality, now the Michigan Department of Natural Resources and Environment (DNRE).

# The Michigan Clean Diesel Initiative (MiCDI)

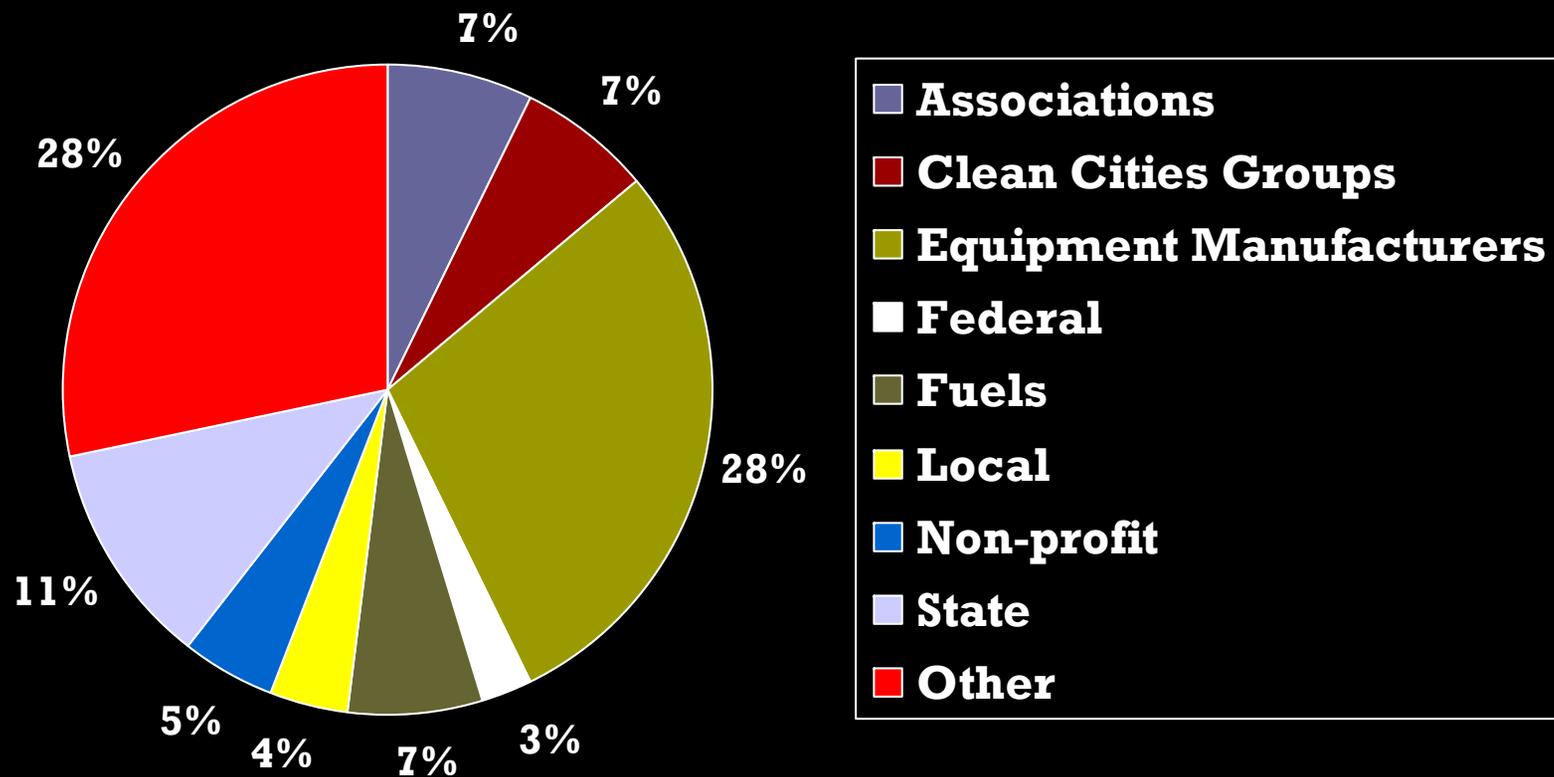
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## *History*

The MiCDI was one of the last Midwest state coalitions to be formed. At the time, Michigan was in non-attainment for the federal PM<sub>2.5</sub> standard in the (7) Southeast Michigan counties (metro Detroit), and had (25) counties on both the east and west sides of the state in non-attainment for the federal ozone standard.

# Growth of the MiCDI (2008 to present)

Coalition Make Up – approximately 152 members



# MiCDI Accomplishments (2004-2010)

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## Coalition-Sponsored Diesel Engine Emissions Reduction Projects (2004-2010)

School Bus Projects: 1,463

- Exhaust control retrofits – 1,428
- Vehicle replacements – 23
- Idle reduction - 12

# MiCDI Accomplishments (2004-2010)

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## Coalition-Sponsored Diesel Engine Emissions Reduction Projects (2004-2010)

Medium and Heavy Duty Truck Projects: 360

- Exhaust control retrofits– 56
- Aerodynamic/fuel efficiency measures – 270
- Idle reduction - 34

# MiCDI Accomplishments (2004-2010)

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## Coalition-Sponsored Diesel Engine Emissions Reduction Projects (2004-2010)

### Marine Projects:

- Engine repowers – 15

# MiCDI Accomplishments (2004-2010)

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## Coalition-Sponsored Diesel Engine Emissions Reduction Projects (2004-2010)

### Non-road Construction Projects: 20

- Engine upgrade/repowers – 19
- Vehicle replacements – 1

# MiCDI Accomplishments (2004-2010)

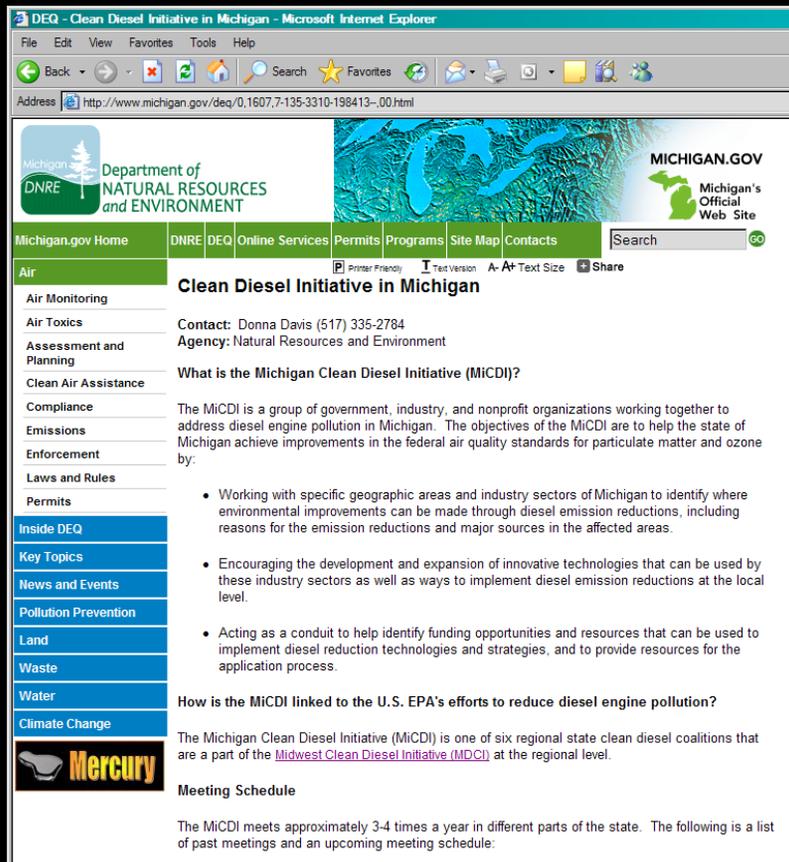
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## Coalition-Sponsored Diesel Engine Emissions Reduction Projects (2004-2010)

Fuel Substitution: 105

- Diesel to Biodiesel: school districts

# MiCDI Accomplishments (2004-2010)



The screenshot shows a web browser window displaying the Michigan Department of Natural Resources and Environment (DNRE) website. The page title is "DEQ - Clean Diesel Initiative in Michigan - Microsoft Internet Explorer". The address bar shows the URL: <http://www.michigan.gov/deq/0,1607,7-135-3310-198413--,00.html>. The page content includes a navigation menu with links for Michigan.gov Home, DNRE, DEQ, Online Services, Permits, Programs, Site Map, and Contacts. The main content area is titled "Clean Diesel Initiative in Michigan" and includes a contact information section for Donna Davis (517) 335-2784, an agency listing for Natural Resources and Environment, and a section titled "What is the Michigan Clean Diesel Initiative (MICDI)?" which describes the initiative's goals and objectives. A "Meeting Schedule" section is also visible at the bottom of the page.

Other Successes...

Increased  
Web Presence

- Goals of MiCDI
- Meeting Notices, Presentations & Handouts
- Funding Opportunities

# MiCDI Accomplishments (2004-2010)

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## OTHER SUCCESSES...

- Established a closer working relationship with:
  - The Michigan Department of Transportation - their CMAQ, Infrastructure Development and Policy staff (Climate Change).
  - Community and Environmental Groups:
    - Environmental Justice Initiatives
    - Support for Competitive Grant Applications
    - Anti-idling Legislation

# Present Day Status of the MiCDI

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## MEMBERSHIP GROWTH

- The **MiCDI is active** and continues to meet a minimum of twice a year.
- **Membership fluctuates** with the economy, but has not decreased.
- Word of mouth is building interest in the program, however more efforts can be focused on **actively marketing the MiCDI and State Clean Diesel Grant Program.**

# Present Day Status of the MiCDI

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## COALITION TARGETS AND GOALS

- **Regional**: Assisting the MCDI achieve the goal of cleaning up 1 million diesel engines. By September 2010, a total **1,858** Michigan-based diesel engines are running cleaner thanks to DERA-related activities.
- **Statewide**: Continue to target emissions reductions in areas of non-attainment for PM<sub>2.5</sub> and the new 8-hour ozone standard.
- **Local Health and Welfare**: Prioritizing areas where there are significant health effects, to decrease the impact of pollution in communities adjacent to stationary or mobile pollution sources.

# What Is Next for the MiCDI?

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## FUTURE/COALITION BUILDING STRATEGIES

- Regional and state **targets and goals will be the same.**
- Ramp up efforts to **better market the MiCDI** and its activities.
  - Develop a brochure that can be posted to web and circulated to potential members.
- Begin a state “Ready Fleet Initiative” with the MiCDI to have them **identify fleets and projects NOW** so when funding becomes available, projects are ready to go.

# State Clean Diesel Grant Program FY 10-11

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- The state has proposed two separate projects for its FY 10-11 State Clean Diesel Grant funding allocation:
  - A **dedicated project on the west side of the state** to target diesel engine emissions reductions, affecting asthmatic populations.
  - A **competitive “Request for Projects” (RFP)** for designated areas in the PM and Ozone “target” areas.

# State Clean Diesel Grant Program FY 10-11

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## 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

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## 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 ozone and particulate matter are within 60-100% of the federal standard.

# State Clean Diesel Grant Program FY 10-11

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## FY 10-11 PROJECT EXPECTATIONS

- All projects are expected to begin in the fall of 2010 (the beginning of FY 10-11).
- The state is hoping that the RFP generates projects from the **mining, agricultural and energy sectors**, three sectors where diesel engines exist, but no projects have been proposed.
- The state expects to receive requests for: exhaust control retrofits, engine repowers, use of idle reduction and fuel efficiency technology, and vehicle replacements from its RFP applicants.

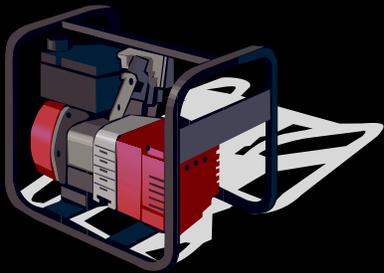
# Questions for the Coalition

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- How closely are you **verifying** certified engine configurations for repowers and exhaust control or idle reduction technology for engine type and vehicle/equipment?
- How are you handling the **documentation for destruction and remanufacture** of engines and vehicles? What does the documentation actually state? What information should states be looking for?
- Are other states showing a trend of grantees **coming in under predicted budget costs** for **ARRA DERA** equipment/vehicle purchases and administration?

# Questions for Donna

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# How to Get Others Involved in the MiCDI

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**DONNA DAVIS**

Michigan Department of

Natural Resources and Environment

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