

US EPA ARCHIVE DOCUMENT

Michigan Clean Diesel Initiative (MiCDI) 2009-2010 Work Plan, Strategy and Goals

Introduction

The Michigan Clean Diesel Initiative (MiCDI) is a group of government, industry, and nonprofit organizations working together to address diesel engine pollution in Michigan. The MiCDI was formed in October 2007, under the auspices of the U.S. EPA's Midwest Clean Diesel Initiative, a six-state partnership working together to reduce emissions from diesel engines in the Midwest.

The objectives of the MiCDI are to help the state of Michigan achieve improvements in the federal air quality standards for particulate matter and ozone by:

- Working with specific geographic areas and industry sectors of Michigan to identify where environmental improvements can be made through diesel emission reductions, including reasons for the emission reductions and major sources in the affected areas.
- Encouraging the deployment of verified technology and the development of innovative technologies that can be used by these industry sectors as well as ways to implement diesel emission reductions at the local level.
- Acting as a conduit to help identify funding opportunities and resources that can be used to implement diesel reduction technologies and strategies, and to provide resources for the application process.

MiCDI Membership and Responsibilities

- **Leadership Planning Team**
The Leadership Planning Team is the oversight group that provides planning and organizational activities on behalf of the MiCDI. Team members also facilitate information sharing among coalition members, including providing notification of upcoming networking and funding opportunities along with resource availability that may be of interest to MiCDI members.

The Leadership Planning Team is currently comprised of five members:

- Lisa Goldstein, Executive Director, Southwest Detroit Environmental Vision and MiCDI Co-chair
- Terry Raupp, Leader, North American Sales, Cummins Engine and MiCDI Co-chair
- Donna Davis, Michigan Department of Environmental Quality, MiCDI support staff
- Bob Rusch, Michigan Department of Environmental Quality, MiCDI support staff
- Sheila Batka, Environmental Protection Agency, MiCDI support staff with non-voting privileges

The Leadership Planning Team meets approximately once each quarter by conference call to: set up educational activities, events and meetings; discusses upcoming financing

opportunities and membership outreach; and document coalition successes in the overall reduction of air pollution activities in Michigan.

- **Michigan Department of Environmental Quality (MDEQ)**
Staff of the MDEQ provide administrative and technical support and guidance to the MiCDI's activities, and act as a statewide resource for issues dealing with pollution monitoring, control and reporting; toxicology and health issues; education and information dissemination; and act as the conduit for partnership formation between MiCDI's members.
- **The U.S. EPA**
Staff from the U.S. EPA provide federal support for the MiCDI and MCDI activities by acting as an overall resource between for all types of clean diesel activities in each state and the six-state Midwest region.
- **MiCDI Members**
Members of the initiative are an integral part of the information-sharing process. Each member is responsible for promoting the activities and goals of the MiCDI through self-initiated activities that provide diesel emission reduction benefits to the overall state. Members accomplish this by sharing their experiences with new or existing technologies or equipment, through lessons learned by way of case study examples, the implementation of best management practices for fleets, and by updating members about new or on-going R&D efforts or partnership opportunities.

Accomplishments to Date

The MiCDI's membership has grown to comprise more than 120 public, private and non-profit agencies and organizations since the MiCDI's inception in October 2007. To date, the MiCDI has held 3 membership meetings, and supported statewide transportation planning efforts, statewide Clean Cities' activities, private industry events, and statewide school bus initiatives.

During this time, the MiCDI has also established a web presence, accessible by visiting: www.michigan.gov/deqair (Select "Assessment and Planning from the left-hand menu, then "Mobile Sources" from the middle of the page. Look for "Michigan Clean Diesel Initiative" half-way down in the middle of the page).

To date, ten organizations and agencies in Michigan have taken advantage of available grant funding through the U.S. EPA's 2008 National Clean Diesel Campaign.

Planning Objectives for the MiCDI (2009-2010)

Although many of the MiCDI's planning objectives and actions mirror many of the objectives and actions of the regional Midwest Clean Diesel Initiative (MCDI), there are however, some unique objectives and activities that are fundamental to building a strong diesel coalition in Michigan. Objectives specific to the MiCDI are noted in bold text.

PLANNING OBJECTIVE 1: DEVELOP AND SUPPORT STATE CLEAN DIESEL COALITIONS
(MCDI/MiCDI)

- ◆ **Increase recruiting and marketing efforts/develop a plan for expansion of membership in MiCDI to:**
 - Private fleets (in the manufacturing, retail, wholesale & transportation sectors). Encourage their additional participation in the U.S. EPA's SmartWay Program
 - School districts and higher education academic institutions
 - Local jurisdiction and county agencies
 - Equipment and technology providers
 - Companies concentrating on R& D of advanced technology (i.e. hybrid, pollution control and capture equipment, cleaner engines, etc.) and alternative fuels
 - Private foundations
 - Regional biofuels initiatives
- ◆ **Develop a communication strategy.**
 - Meeting minutes from coalition meetings posted on the web.
 - Periodic e-mail updates; other methods (i.e. newsletter).
- ◆ **Provide support for adjunct Clean School Bus projects in the state including those:**
 - Self-initiated by local school districts.
 - Grant-encouraged by the U.S. EPA.
 - Federal- and state SEP-initiated (i.e. Okemos Public Schools is doing a series of school bus diesel emission retrofit projects for school districts in Southeast Michigan).
- ◆ **Support MDEQ SIP Efforts and Statewide Climate Change Activities.**
 - Initial voluntary efforts and activities will be concentrated in the state's ozone and particulate matter non-attainment areas.
 - Review and comment on existing statewide laws and rules to create better ways to control particulate matter generation (i.e. idle reduction).
 - Assist in the implementation of statewide, national or international policy recommendations that arise out of the efforts of the Michigan Climate Action Council, the Midwestern Regional GHG Reduction Accord, or other national or international efforts to mitigate climate change in the transportation and land use arenas.
- ◆ **Work more closely with the energy-related and economic development programs within the Michigan Department of Energy, Labor and Economic Growth, and the biomass and biofuels programs of the Michigan Department of Agriculture, to identify opportunities for R&D, financing and product promotion for coalition members.**
- ◆ **Support and coordinate MiCDI activities with those of the state Clean City Coalitions.**
 - Schedule in-person meetings to take advantage of networking and educational opportunities available in each forum.

TENTATIVE Michigan Clean Diesel Initiative 2009 Meeting Schedule		
Tentative Meeting Dates	Meeting Type	Meeting Location
Tuesday, January 13, 2009	Conference Call	N/A
Monday, February 23, 2009 (grant writing workshop)	In-person	Lansing
Tuesday, May 12, 2009	In-person	Southeast Michigan
Tuesday, October 27, 2008	In-person	West Michigan

◆ **Develop a closer working relationship with the Michigan Department of Transportation (MDOT).**

- Encourage greater and more efficient use of existing transportation infrastructure to decrease the amount of overall state vehicle miles traveled (i.e. for goods and human transportation in auto, marine, and locomotive travel).
- Reduce statewide vehicle idling and overall traffic congestion.
- Promote greater coalition use and collaboration for CMAQ project funding.

Actions to achieve objective:

- Create networks of clean diesel partners within Michigan.
- Educate each other and develop educational opportunities for others.
- Develop funding mechanisms for clean diesel actions.
- Communicate opportunities.
- Identify interested fleets for clean diesel actions.
- Implement clean diesel projects.
- Track and report results to MCDI Leadership Group.

PLANNING OBJECTIVE 2: AWARD OF U.S. EPA FUNDS AND GENERATION OF NON-U.S. EPA FUNDING SOURCES

The U.S. EPA will communicate funding opportunities and partners within the MCDI and will work to generate non-U.S. EPA funding sources, apply for various grant opportunities, and leverage additional resources.

Actions to achieve objective:

- Under the Energy Policy Act of 2005, funds are authorized for clean diesel activities. U.S. EPA will provide these funds through both a state allocation process and competitive grants to support MCDI and the goals of the program.
 - MCDI Competitive Grants
 - State Clean Diesel Grants
 - Emerging Technology Grants
 - Innovative Financing Grants

Non-U.S. EPA funding sources are essential to the success of the program. The emphasis will be on non-federal sources of funding to create institutional staff and funding sources for clean diesel actions.

Actions to achieve objective:

- Continued efforts to educate participants on Congestion Mitigation and Air Quality (CMAQ) funding opportunities and assistance with partnering and application development.
- Generate state and local funding source for clean diesel actions.
- Connect participants with state and federal supplemental environmental project funds.
- Create innovative financing mechanisms to scale up impacted number of vehicles.
- Engage private sector in clean diesel opportunities.

PLANNING OBJECTIVE 3: ADDRESS COMMON ISSUES ACROSS THE REGION

The MiCDI will work to share information, tools, and technical and policy assistance across the state clean diesel coalitions to address common issues and provide common opportunities.

◆ **Support MDEQ SIP Efforts and Statewide Climate Change Activities**

- MiCDI activities and projects are a part of the local control and voluntary measures the state is implementing as part of their attainment strategy.
- The State Clean Diesel Grant's projects and activities.
- Work with the Governor's Office and the Michigan Climate Action Council (MCAC) on any future adaptation and mitigation climate change activities in the transportation arena.

Actions to achieve objective:

- Integration of clean diesel actions into particulate matter and ozone planning and mitigation activities.
- Integration of idle reduction options and other efficiency measures into state and local climate change plans.
- Track and report projects, emissions reductions and fuel saving from clean diesel actions.

PLANNING OBJECTIVE 4: CREATE ACTIONS THAT STIR THE IMAGINATION

In order to stimulate existing partners and generate new partners, MCDI will implement ideas to stretch the program potential.

◆ Increase recruiting and marketing efforts

- Develop promotional brochure for the MiCDI to include:
 - Networking benefits.
 - Organization's name posted on MiCDI web.
 - Stressing early notification of financing and other strategic partnership opportunities.

◆ Advance Partnerships

- Work closer with statewide local and county agencies and their fleets to:
 - Provide continuing education.
 - Assist in the development of local diesel emission reduction projects.
 - Assist in locating financing opportunities.
- Work with other state or regional coalitions having collateral interests consistent with reducing diesel emissions, especially those local Asthma Coalitions that select to address elements of Goal 6, Objective 1 of the Asthma in Michigan (AIM) 2010 Plan (including school bus or municipal diesel emission reduction activities). Support their educational efforts and assist in distributing resource materials.
 - Track and support school districts and/or municipalities implementing idling management practices in their region.
 - Provide updates to partners regarding progress of state diesel emission reduction efforts.

◆ Expand Communication

- Work closer with statewide local and county agencies and their fleets.
 - Provide continuing education.
 - Assist in the development of local diesel emission reduction projects.
 - Assist in locating financing opportunities.
- Develop a closer working relationship with MDOT.
 - Encourage the use of Tier II or better engine technology, and the use of diesel retrofit equipment in state contracts for road and non-road projects in non-attainment areas of the state.
- Workshop(s) designed to strengthen, enhance and bridge the communication divide between public and private organizations.
 - Partner with the state's Green Construction/Green Jobs initiatives to connect with non-road diesel emission sources and promote statewide diesel emissions reduction activities.

Actions to achieve objective:

- Create innovative finance programs.
- Target high profile projects for implementation.

- Implement projects with emerging technologies.
- Implement projects on new applications/sectors.
- Develop non-federal funding mechanisms.
- Publicize and communicate efforts.
- Work across programs, agencies and countries to partner on new areas of concern or emerging areas of common interest.

UPDATED: JANUARY 7, 2009