

US EPA ARCHIVE DOCUMENT

Midwest Clean Diesel Initiative e-Update: June 2011



Applications Now Open For 2011 Midwest Clean Diesel Initiative Leadership Group Awards

It's that time of year again to accept applications for the Midwest Clean Diesel Initiative Leadership Recognition Program. The 2011 Midwest Clean Diesel Initiative Leadership Recognition Program awards are not just a really big title: the awards recognize the hard work that individuals and/or organizations have accomplished to make significant, measurable improvements in air quality through the development and/or implementation of clean diesel actions (i.e. retrofits, replacements, fuels, education, leveraged funding, etc.).

Applications for the 2011 awards are due **Monday, August 1, 2011**. You can email, mail, or fax them to me (complete submission information is below).

You can read more about the MCDI Leadership Recognition Program, and see the awards we have given out in the past, at: <http://www.epa.gov/midwestcleandiesel/leadershipgroup/lgawards.html>

Who is eligible?

- Both public and private entities are eligible. Organizations can self-nominate or have others nominate them.

When are entries due?

- Entries are due by Monday, August 1, 2011. Awards will be presented at the 2011 Midwest Clean Diesel Initiative Leadership Group meeting in Chicago, IL this fall

How do I submit my entry?

- Applicants need to fill out an application form (PDF) (the direct link to the PDF is here: <http://www.epa.gov/midwestcleandiesel/leadershipgroup/lgawardapp.pdf>) and email it to Anthony Maietta (maietta.anthony@epa.gov) or send it by fax to (312) 886-5824 (put "ATTN: Anthony Maietta" on the coversheet). USPS mail instructions are included in the application.

Who reviews the entries?

- The co-chairs of the Leadership Group (Cummins, Illinois Environmental Protection Agency, American Lung Association of the Upper Midwest, and United States Environmental Protection Agency Region 5) review and select the awardees.

How will the entries be judged?

Each entry is reviewed on the following general criteria:

- The entry directly or indirectly (i.e., by encouraging actions) reduces air pollution through clean diesel actions.
- The entry provides a model for others to follow (is replicable) .
- The entry's positive outcomes are continuing/sustainable.
- The entry demonstrates effective collaboration and partnerships.
- The individual or organization submitting the entry has effectively measured/evaluated the outcomes of the project, program, or technology.
- The entry uses innovative technology and/or takes an innovative approach to reducing emissions from diesel engines.

How many awards will be given?

- The number of awards are contingent upon the quality of nominations submitted.

We look forward to hearing about the exciting things you've done over the past year!

MCDI Presents – Learn More About It: EPA’s Diesel Emissions Quantifier

On **Wednesday, June 15, 2011**, we’re continuing our next in a series of informational webinars called “Learn More About It”. In our next webinar, Julie Wang from EPA’s Office of Transportation and Air Quality will present EPA’s Diesel Emissions Quantifier. The Diesel Emissions Quantifier is a tool created for state and local governments, metropolitan planning organizations, school districts, port authorities, fleet owners and operators, contractors, and others who are preparing applications for EPA or other funding assistance programs, or who are administering EPA or other funds. The Quantifier allows you to input certain vehicle and equipment information such as model year and hours of operation, and can estimate emissions reductions, cost effectiveness, and health benefits that result from your clean diesel project.

Spaces are limited, so sign up soon! You can register by clicking the link below, or by entering the following address in your web browser: <https://wwwl.gotomeeting.com/register/550131609>

EPA Staff Discuss MCDI At Green Marine’s Green Tech 2011 Conference

On Wednesday, May 25, 2011, Anthony Maietta of EPA’s Midwest Clean Diesel Initiative presented at Green Marine’s Green Tech 2011 conference at the Fairmont Chicago Millennium Park Hotel. Topics covered during the presentation included EPA’s engine and fuel regulations for on- and non-road diesels (with an emphasis on marine rules), as well as EPA’s voluntary efforts to reduce diesel emissions. Green Marine is a joint Canada-U.S. initiative aimed at implementing a marine industry environmental program throughout North America.

Founded in 2008 by the major marine industry associations in both Canada and the U.S., Green Marine has worked hard to build a reputation for credibility and transparency, and to challenge participant companies to improve their environmental performance beyond regulatory compliance.

The cornerstone of the Green Marine initiative is its far-reaching environmental program, which makes it possible for any marine company operating in Canada or the U.S. to voluntarily improve its environmental performance by undertaking concrete and measurable actions.

Although the program was originally conceived for the Great Lakes and St. Lawrence corridor, the interest it has generated throughout the marine industry has enabled it to evolve into a bi-national program that now covers North America in its entirety.

You can learn more about Green Marine’s efforts by visiting their web site, www.green-marine.org, or by contacting David Bolduc at david.bolduc@green-marine.org

MCDI Spotlight: Web Page Update: MCDI Project Reports Now Available As Projects Close

EPA Region 5 staff worked hard over the last 10+ years to voluntarily reduce emissions from heavy-duty diesel engines and in that time, EPA and our partners have done a lot of great things. However, a lot of the time we are in 'project implementation' mode and focus so much on just getting the projects done that we don't spend a lot of time telling people about the good work that occurs.

So if you visit www.epa.gov/midwestcleandiesel you will find that we've recently added a "Project Reports" page, where, as grants close, you will find fact sheets on the grant and the project(s) involved in its implementation. This page will be updated as our ARRA and DERA grants close. So check back often!

MCDI Project Reports can be found at www.epa.gov/midwestcleandiesel/publications/grantsummaries.html

Midwest Clean Diesel Initiative
 Saving Illinois, Indiana, Michigan, Minnesota, Ohio, Wisconsin and 25 Tribes

MCDI Project Reports

As Region 5 clean diesel grantees complete work outlined in their grants and submit final reports on their activities to EPA, we will take the information contained in their final reports and package the results on this page. For each grant, we will post a one-page Project Report document that summarizes the actions completed, funding sources, the area(s) where activities took place, and the associated emissions reductions and health benefits*. These documents are organized by EPA funding source. As grants close out, you will find their Project Reports here.

*associated health benefits are calculated by EPA's Diesel Emissions Quantifier and reflect monetary savings from lost work days, hospital and health care bills, and other costs that will not be spent as a result of the particulate matter pollution reduced from each grant's actions.

Grants Funded Through the American Recovery and Reinvestment Act (ARRA) of 2009:

- Great Lakes Commission (PDF) (1 page, 421 KB)
- Hamilton County, Ohio (PDF) (1 page, 366 KB)
- National School Transportation Association (PDF) (1 page, 393 KB)
- Wisconsin Department of Commerce (PDF) (1 page, 378 KB)

Project Report: Great Lakes Commission Bulk Cargo Carrier Engine Repowers

Project Location: The Great Lakes

EPA Funding Source: American Recovery and Reinvestment Act

Funding Breakdown: \$1,209,049 U.S. EPA Match/Levantaged Funds \$735,530

Funding for this project comes from the American Recovery and Reinvestment Act (\$1,209,049) and from the American Steamship Company (\$735,530). This project generated 27 full time equivalent jobs in Wisconsin and preserved 24 sailing jobs per vessel.

Emissions Reductions

Emissions reductions are estimated using EPA's Diesel Emission Quantifier

Category	Value
NDx	728
PM	8
HC	2
CO	224

Repowering large marine auxiliary engines can provide significant environmental benefits.

Health Benefits

Emissions from diesel engines contain pollutants that affect respiratory health. These pollutants can increase incidents of asthma, and can exacerbate existing cardiopulmonary conditions.

This project will save \$2,000,000 in health costs as a result of reduction of PM. This represents monetary savings from: lost work days, hospital and health care bills, and other costs that will not be spent as a result of the pollution reduced from the repowering of the generator sets on the M/V H. Lee White and M/V Indiana Harbor.

You can visit EPA's Diesel Emissions Quantifier at: <http://www.epa.gov/cleandiesel/quantifier>

Marine Repowers

The Great Lakes Commission, an interstate compact agency, partnered with the American Steamship Company to repower auxiliary engines/generator sets on two self-unloading bulk cargo carrier vessels that operate on the Great Lakes (the M/V Indiana Harbor and the M/V H. Lee White). Since Great Lakes vessels do not have to deal with the corrosive effects of salt, they can last many more years than their ocean going counterparts. The generator sets were original equipment on the vessels and were over 30 years old.

The original generator sets were unregulated engines that, even when new, emitted high amounts of PM, NDx, and other pollutants. These generators were replaced with engines meeting EPA's Tier-II requirements. This means they emit 40% less NDx and over 70% less CO than the old engines they replaced. In addition, the repowered engines will save more than 8,000 gallons of diesel fuel per year.

The vessels were repowered at two Wisconsin ship yards: Bay Shipbuilding in Sturgeon Bay, and Fraser Shipyards in Superior. The project generated over 14,000 person-hours of work.

Workers weld shut the access hole cut into the M/V H. Lee White at Bay Shipbuilding in Sturgeon Bay, Wisconsin.

The Midwest Clean Diesel Initiative is a public-private partnership to reduce diesel emissions in the Midwest. Find out more at www.epa.gov/midwestcleandiesel

You are subscribed to the Midwest Clean Diesel Initiative e-mail list, a service brought to you by EPA Region 5 to inform you of news and related events on diesel programs in the Midwest. If you wish to have your name removed please email Anthony Maietta at maietta.anthony@epa.gov

