

National Clean Diesel Campaign

Clean Diesel Programs: Overview

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U.S. EPA New England
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Northeast
Diesel Collaborative

www.northeastdiesel.org



National Clean Diesel Campaign



Why Clean Diesel?

- Reducing diesel emissions is one of our country's most important air quality challenges
- Millions of diesel engines already in use continue to emit large amounts of nitrogen oxides, particulate matter and air toxics
- These emissions are linked to premature deaths, asthma attacks, lost work days, and other health impacts every year

The Good News

- Cost-effective solutions are available now
- Funding is available too
- How? The National Clean Diesel Campaign – Clean Diesel Programs



www.epa.gov/cleandiesel

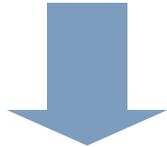


National Clean Diesel Program

\$49.2 Million for 2008

National

\$34.4 Million (70%)



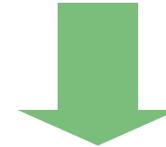
**National Clean Diesel
Funding Assistance Program \$27.6 M**

Clean Diesel Emerging Technologies Program \$3.4 M

National Clean Diesel Finance Program \$3.4 M

State

\$14.8 Million (30%)



State Clean Diesel Grant Program \$14.8 M

State Base

Matching Bonus

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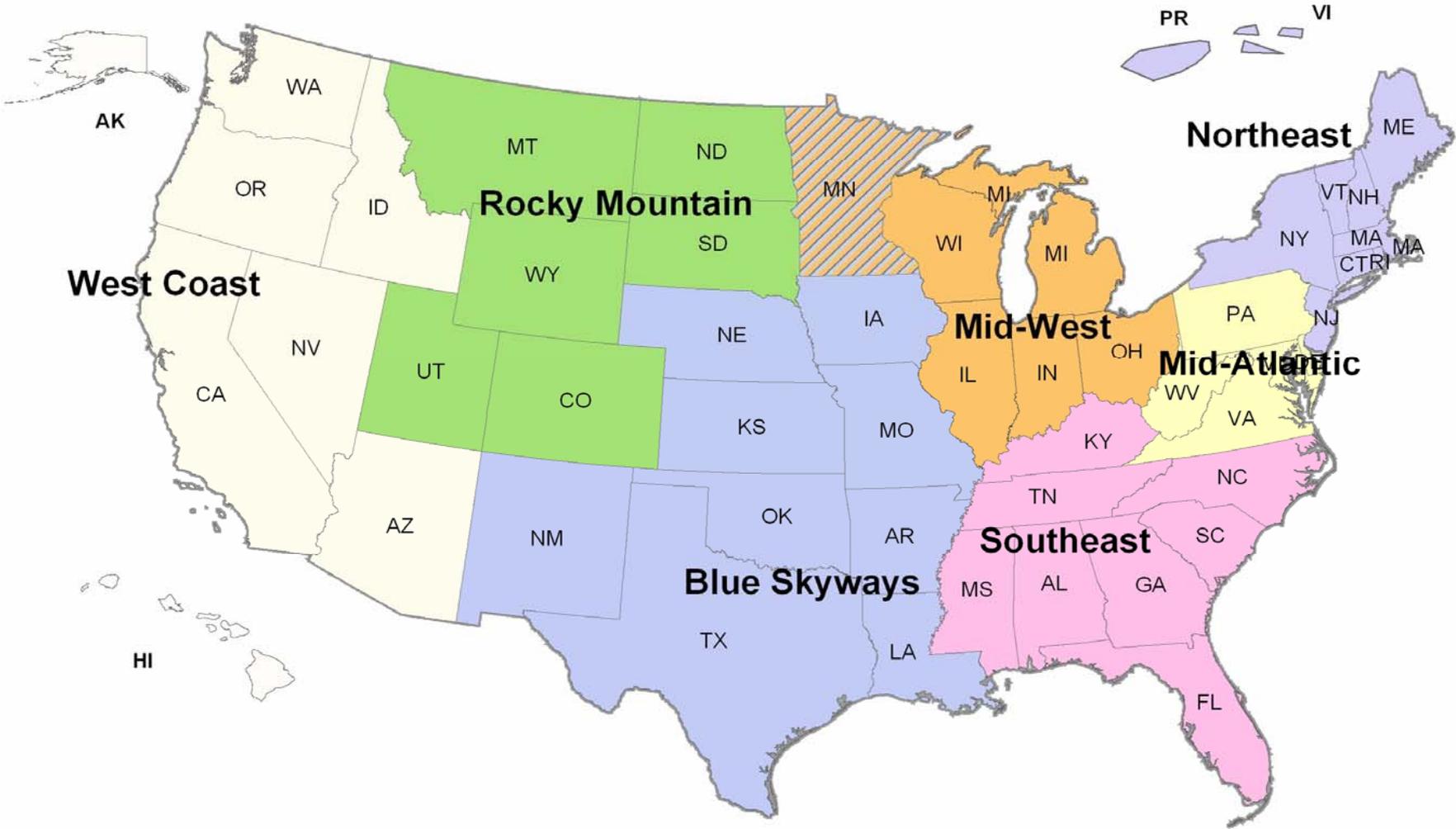
National Clean Diesel Funding Assistance Program
\$27.6 M

National Clean Diesel Finance Program ~\$3.4 M

Clean Diesel Emerging Technologies Program
~\$3.4 M

Competitive grant
process managed
through EPA
regions

Regional Clean Diesel Collaboratives





National Clean Diesel Funding Assistance Program: Eligible Entities

- Regional, state, local, tribal or port agency with jurisdiction over transportation or air quality; and
- Nonprofit organization or institution which
 - Represents or provides pollution reduction or educational services to persons or organizations that operate diesel fleets; or
 - Has, as its principle purpose, the promotion of transportation or air quality

National Clean Diesel Funding Assistance Program: Use of Funds

- Technologies and engines must be verified and/or certified by USEPA or CARB
www.epa.gov/cleandiesel (select *Verified Technology List*)
- Incremental cost of engine replacement (sent to be remanufactured or scrapped), engine repower, engine rebuild

National Clean Diesel Funding Assistance Program: Use of Funds

- Idle Reduction Technologies
 - Electrified Parking Spaces (truck stop electrification)
 - Auxiliary Power Units and Generator Sets
 - Fuel Operated Heaters
 - Battery Heating and Air Conditioning Systems
 - Thermal Storage Systems

<http://www.epa.gov/cleandiesel>
select *Idle Reduction*

National Clean Diesel Funding Assistance Program: Use of funds

- Cleaner fuels
 - Covers incremental costs of cleaner fuel versus conventional diesel fuel
- Finance programs for low-cost revolving loans
 - Regional or state specific programs
 - National programs would apply through the National Clean Diesel Finance Program



National Clean Diesel Funding Assistance Program: Use of Funds

- Cannot fund the cost of emissions reductions mandated under Federal, State or Local law
- Grants are not for emissions testing

National Clean Diesel Funding Assistance Program: Eligible Fleets and Equipment

- Buses
- Medium or heavy duty trucks
- Marine engines
- Locomotives



- Nonroad engine, stationary engine or vehicle used for:
 - Construction
 - Handling of cargo (including at a port or airport)
 - Agriculture
 - Mining
 - Energy production

National Clean Diesel Funding Assistance Program: Priority Projects

Project proposals that align with these priorities will receive higher scores in the evaluation process:

- Maximize public health benefits
- Are the most cost-effective
- Are in areas with high population, air quality issues, and air toxic concerns
- Are in areas that receive a disproportionate quantity of air pollution (i.e. truck stops, ports)
- Maximize the useful life of the engine
- Conserve diesel fuel and utilize ULSD (early introduction of ULSD for nonroad projects)

2008 NEDC Emissions Reduction Request for Proposals

- **\$5.4 million** in grants and innovative financing to significantly reduce diesel emissions and improve public health in EPA Regions 1 and 2
- **Funding Range:** \$50,000 and \$750,000
 - Anticipate most awards will range from \$100,000 to \$500,000
- **www.northeastdiesel.org/funding.htm**

2008 NEDC Emissions Reduction RFP – IMPORTANT DATES

- Question and Answer Sessions:
 - **April 10:** 10 am to 12 noon
 - **May 7:** 2 pm to 4 pm
 - call-in number: 866-299-3188. Enter Conference Code: 2126373745#
- Intent to Apply (optional): **April 25, 2008**
- Proposals Due: **June 12, 2008**



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Clean Diesel Emerging Technologies Program
~\$3.4 M

**Competitive grant
program to
establish
innovative finance
mechanisms**



National Clean Diesel Finance Program: Overview

- Distinct program that seeks national low-cost revolving loans
 - EPA will issue grants to eligible entities to establish loans for fleets anywhere in the U.S.
 - As part of the National Clean Diesel Funding Assistance Program, eligible entities can submit proposals to establish loan programs within a state or region.
- Everything else is the same
 - Same eligible entities
 - Same eligible vehicles & equipment
 - Same priority projects

National Clean Diesel Finance Program: Use of Funds

- Finance Program grants are used to establish loans. The loans must
 - Lower costs to the buyer (e.g., lower interest rate, closing costs, etc); and
 - Any program income generated must be used to further the project's goals which must align with the national clean diesel program goals (e.g., more loans for cleaner vehicles)



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**Competitive grant
program to deploy
emerging
technologies not
yet verified**



Clean Diesel Emerging Technologies Program: Overview

~\$3.4 million in FY08

- Separate grant competition from the national funding assistance program
- Program is for projects that will use technologies not yet verified and/or commercialized but on EPA's emerging technology list
- Program does not pay for research and development
- Eligible entities
 - Regional, state, local, tribal or port agency with jurisdiction over transportation or air quality; and
 - Nonprofit organization or institution with jurisdiction over transportation and/or air quality

Clean Diesel Emerging Technologies Program: Manufacturers

- Manufacturers should partner with an eligible entity
- Manufacturers must be on EPA's emerging technologies list prior to grant submission
 - To get on this list, manufacturers must work with EPA to apply for verification and develop a test plan for evaluating their technology

www.epa.gov/cleandiesel
select *Emerging Technologies*

Clean Diesel Programs: Wrap-Up

- Are you an eligible entity?
- Which program applies to you?
- Could you partner with an eligible entity?
- When are applications due?
- What is the best technology for your fleet?

Need more info? www.epa.gov/cleandiesel



National Clean Diesel Campaign

Resources

Northeast Diesel Collaborative

www.northeastdiesel.org

National Clean Diesel Campaign

www.epa.gov/cleandiesel

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