

# National Clean Diesel Campaign Clean Diesel Programs

## FY08 Clean Diesel Program Overview

2008 AGC Annual Convention



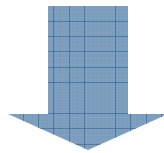
**National Clean Diesel Campaign**

# National Clean Diesel Program

\$49.2 Million for 2008

## National

\$34.4 Million (70%)



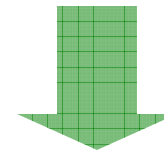
National Clean Diesel  
Funding Assistance Program \$27.6 M

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

# The Good News



- Cost-effective solutions are available now
- Funding is available too
- How can the construction industry benefit from this new funding opportunity?

[www.epa.gov/cleandiesel](http://www.epa.gov/cleandiesel)

# 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

# Are You Eligible?

- Are you a member of a nonprofit organization?
  - Ask your local chapter to apply for the funds
  - 2005 EPA awarded AGC Oregon a grant for engine upgrades and exhaust control equipment
  - 2007 EPA awarded AGC Kentucky funds for retrofits
- Are you contracted on a state (city, local gov't) project?
  - The State can apply for funds on behalf of the contractor
  - Funds could then be transferred to the contractor or the State could purchase the equipment for the contractor

# National Clean Diesel Funding Assistance Program: Public Fleets

At least 50% of funding is dedicated for the benefit of public fleets

- Will include private fleets contracted or leased for public purpose, such as private school buses or refuse haulers
- Only eligible entities can apply directly for funds (i.e., state project, local government projects, universities)



# National Clean Diesel Funding Assistance Program: Use of Funds

- Technologies and engines verified and/or certified by EPA or CARB
- Incremental cost of engine replacement (sent to be remanufactured or scrapped), engine repower, engine rebuild
- Idle Reduction Technologies (EPA verified)
- Cleaner fuels
  - Covers incremental costs of cleaner fuel versus conventional diesel fuel

# NonRoad Verified Technologies

## Available Technologies

| Technology                    | Manufacturer | Verification Entity | Model Year | PM Reduction | NOx Reduction |
|-------------------------------|--------------|---------------------|------------|--------------|---------------|
| DPF                           | Caterpillar  | EPA                 | 1996-2005  | 89%          | NA            |
| Engine Upgrade                | Caterpillar  | EPA                 | 1988-2005  | 22%          | 37%           |
| DPF                           | Paceco       | EPA                 | pre-1996   | 39%          | NA            |
| Water Emulsion fuel           | PuriNOx      | EPA                 | any        | 16-23%       | 17-20%        |
| DPF                           | ECS          | EPA                 | 1996-2004  | 85%          | NA            |
| DPF                           | Caterpillar  | CARB                | 1996-2008  | 85%          | NA            |
| DPF                           | DCL          | CARB                | 1996-2008  | 85%          | NA            |
| DPF                           | ECS          | CARB                | pre-2007   | 85%          | NA            |
| DPF w/ fuel burner for regen. | HUSS         | CARB                | pre-2007   | 85%          | NA            |
| DOC w/ PuriNOx                | ECS          | CARB                | 1996-2002  | 50%          | 20%           |
| DOC + CCV                     | Donaldson    | CARB                | 1996-2003  | 25%          |               |
| SOC + SCR                     | Extengine    | CARB                | 1991-1995  | 25%          | 80%           |
| ULSD fuel, biodiesel          |              | EPA                 | any        | up to 9%     | NA            |

# 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)

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Clean Diesel Emerging Technologies Program  
~\$3.4 M



# National Clean Diesel Finance Program: Overview

- Two distinct funding opportunities for innovative financing for DERA eligible projects
  - EPA will award grants based on vehicle or equipment travel:
    - If the vehicle or equipment operates exclusively within the State, Territory, or Tribal Land for the duration of the project period, then the proposal should be sent to the EPA regional grant solicitation
    - If the vehicle or equipment travels through States, Territories, or Tribal Lands for the duration of the project period, then the proposal should be sent to the EPA National Clean Diesel Finance Program
- Everything else is the same
  - Same eligible entities
  - Same eligible vehicles & equipment
  - Same priority projects

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# 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
- Only eligible entities can apply

# 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](http://www.epa.gov/cleandiesel)  
select *Emerging Technologies*

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# State Clean Diesel Grant Program: Overview

States play an important role  
as partners in Clean Diesel

- Allocation program; not a competition
- EPA encourages all States to participate

# State Clean Diesel Grant Program: Funding Allocation

- \$14.8 Million available for FY08
- Award amounts to states could range from \$200,000 to over \$1,000,000
- Funding can be used for:
  - Verified/certified technologies and engines
  - Incremental cost of engine replacement
  - Idle reduction
  - Cleaner Fuels

# Helpful Resources

- Clean Construction USA program information
- National Clean Diesel Funding Program information
- Low Cost Brochure
- Construction Video
- Case Studies
- EPA Regional Collaborative Support

# Clean Diesel Programs: Wrap-Up

Questions?

[www.epa.gov/cleandiesel](http://www.epa.gov/cleandiesel)



**National Clean Diesel Campaign**