



Southeast Construction Associations Coalition for Clean Diesel
Florida Refrigeration and Air Conditioning Contractors Association

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Florida Refrigeration AC Contractors Announce EPA Clean Diesel Rebate Recipients
Project Promotes Cleaner Air Throughout EPA Region IV

ST PETERSBURG, FL - The Florida Refrigeration and Air Conditioning Contractors Association (FRACCA) announces the names of five companies who were selected as recipients of round two funds through its Clean Diesel Rebate program. Funding for the rebates is made possible through the U.S. Environmental Protection Agency's Region IV office under the agency's National Clean Diesel Assistance Program. FRACCA received a two-year, \$1.675-million grant aimed at reducing the effects of diesel emissions from off-road construction equipment in Florida, Alabama and Georgia.

Requests came in for the repower/replacement of 18 pieces of off-road diesel powered construction equipment. The total amount requested for rebates was more than \$1-million, exceeding the funds available for rebates in the second round of this program, which is approximately \$225,000.

Applications went to a Scoring/Review Committee, which considered a range of factors, including the impact of diesel engine emissions and implementation of Idle Reduction Policies. Based on all scoring criteria the rebate recipients are as follows:

Florida Recipients (2): Hardee County, Wauchula, FL, Woodruff & Sons, Inc., Bradenton, FL

Georgia Recipients (3): C&S Forestry, LLC, Whigham, GA, Foster Logging, Inc., Glennville, GA, Wood Warrior Logging, Meigs, GA

According to the EPA, off-road diesel engines contribute significantly to the levels of particulate matter (PM) and nitrogen oxides (NOx) in the air. Although new construction equipment must meet clean-air standards, such equipment typically remains in use for 20 to 40 years. Emissions from older vehicles can be reduced by using cleaner fuels, reducing unnecessary engine idling, upgrading engines, installing retrofit devices and, when appropriate, replacing vehicles.



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In addition to the rebates, the program requires management classroom and operator on-site training programs on diesel emission reduction. Focus groups are held during the two-year grant period to have a structured dialogue between EPA and contractors to foster new emission reduction methods and encourage voluntary controls. Workshops are open to all interested in emission reduction, idle reduction, alternative fuels, EPA and OSHA compliance issues, and the health impacts of diesel emissions. Educational support and instructors for the workshops will be provided by the Florida Department of Environmental Protection, Enterprise Fleet Management, Caterpillar, and members of the Southeast Construction Associations for Clean Diesel, including Flint Equipment, and Nortrax. Continuing education units (CEUs) are offered through Georgia Master Timber Harvester; Society of American Foresters; Alabama Professional Logging; and Florida Construction Industry Licensing Board (FL CILB).

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Diesel Fuel Emissions Facts & Figures

Courtesy of Florida Refrigeration and Air Conditioning Contractors Association

Air Pollution from Non-road Diesel Engines

- ✓ 47% of mobile source diesel particulate matter (PM) comes from non-road diesels
- ✓ 25% of mobile source nitrogen oxides (NOx) comes from non-road diesels

Population Affected

- ✓ 5 million people live in the poor air-quality areas encompassed by the project
- ✓ [Is there any way to estimate how many workers will be affected?]

Industry Characterization

- ✓ Over 650,000 pieces of non-road diesel equipment covered by this program are sold in the United States per year
- ✓ Existing engines remain in a fleet for up to 25 years
- ✓ Approximately 6 million pieces of non-road diesel equipment in categories covered by this program are currently in use
- ✓ 63 refiners are producing low sulfur non-road/locomotive/marine diesel fuel

Environmental Benefits

When the fleet of older non-road engines has fully turned over by 2030, this program will result in:

- ✓ 129,000 tons of fine particulates reduced annually, which is equivalent to removing 2.4 million highway diesel trucks from the road
- ✓ 738,000 tons of NOx reduced annually, equivalent to removing 700,000 highway diesel trucks from the road
- ✓ NOx reduction from a single typical bulldozer is equivalent to removing 25 older-model cars from the road

Public Health Benefits

When the fleet of older non-road engines has fully turned over by 2030, this program will annually prevent:

- ✓ 12,000 premature deaths
- ✓ 8,900 hospitalizations
- ✓ 15,000 heart attacks
- ✓ 6,000 children's asthma-related emergency room visits
- ✓ 280,000 cases of respiratory problems in children
- ✓ 1 million work days lost
- ✓ 200,000 cases of asthma in children
- ✓ 5.8 million days that adults must restrict activity due to respiratory distress

SOURCE US EPA