

**Reducing Emissions from Heavy Duty Diesel Equipment in the Metropolitan Washington Region**

**Applicant:**

Metropolitan Washington Council of Governments  
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Funding Requested: \$3,774,636  
Total Project Cost: \$5,001,621  
Project Period: 6/1/09 – 9/30/10

**Project Summary**

The Metropolitan Washington Council of Governments (MWCOCG) is partnering with 12 equipment owner operators to reduce emissions from heavy duty diesel fleets in the Washington metropolitan region. The owner/operators that have agreed to participate in this project include: Washington Metropolitan Area Transit Authority (WMATA); Washington Area Sewer and Water Authority (DCWASA); Montgomery County, Maryland; Fairfax County, Virginia; Prince William County, Virginia; and private fleet owner/operators Pleasants Construction, CJ Miller, LaFarge, Beuchert, GDS Rentals, Chaney Construction, and Facchina Construction.

Emission reductions will be achieved through the application of one of following solutions: Diesel Particulate Filters, Emissions Repowers, Vehicle Replacement, and Vehicle Idling Reduction. Specifically, the project will involve the following categories of diesel emission controls.

- Diesel Retrofits for Transit Buses. A total of 130 transit buses will be equipped with diesel particulate filters.
- Nonroad Engine Particulate Filters and Retrofits. A total of 50 nonroad diesel construction equipment will be equipped with particulate filters and/or eligible NOx controls.
- Nonroad Engine Repowers. A total of 14 nonroad diesel construction equipment will be repowered.
- On-Road Engine Repower. Three heavy duty dump trucks will be converted from diesel to CNG.
- Vehicle Replacements. The project will include purchase of one plug-in electric hybrid school bus, two diesel powered ambulances, and one launch assist hybrid refuse hauler.
- Idle Reduction. A total of 87 heavy duty on-road trucks (class 8) will be equipped with battery heater air conditioning units. A total of 443 nonroad construction vehicles will be equipped with automatic shutdown units.