

# G E O R G I A CLEAN DIESEL C A M P A I G N

*What is Clean Contracting?*

## Clean Contracting Fact Sheet

Clean contracting is one way that businesses operating diesel vehicles and equipment can help make a difference in our air quality. By using contract provisions to provide environmental incentives or requirements for contracts we can all begin to breathe a lot easier.

There are approximately 2 million pieces of construction equipment in the U.S., which contribute significantly to local air pollution. A typical 175-hp bulldozer emits as much particulate matter (PM) as 500 new cars. There are new regulations in place that will ensure that *new* engines built after 2010 will be the cleanest in the world; however, the legacy fleet in operation today will continue to contribute significant levels of harmful emissions over the next 20 years.

Clean contracting encourages contractors, owners and operators of construction and off-road diesel equipment to reduce emissions by reducing idling, installing pollution control devices, switching to cleaner fuels, properly maintaining equipment and replacing vehicles or engines.

**Contracting that includes air quality goals help us all breathe easier.**



### Clean Contracting Strategies

- A **contract specification** requires the contractor to adhere to certain requirements during completion of the contract. Any additional costs to meet these requirements can be built into the bid.
- A **contract preference** may be given during the bid evaluation process to a contractor who commits to the specification during the job.
- A **contract allowance**, or pool of money, can be made available to the winning bidder to cover costs of adhering to the specification. This helps level the playing field for small contractors.

Various funding sources, such as the Federal Highway Administration's Congestion Mitigation and Air Quality Program (CMAQ) and the Environmental Protection Agency's Diesel Emissions Reduction Act funding, are available for emissions reductions from diesel engines. These funds, in addition to local sources, can be used to support the implementation of contract specifications. For information on funding options, visit the Southeast Diesel Collaborative website at [www.southeastdiesel.org](http://www.southeastdiesel.org).

## Clean Contracting Success Stories

### Massachusetts

Legislation is currently being considered that would require all state diesel engines have pollution control devices. New York, California and New Jersey Require retrofits for their state fleets.

### World Trade Center

The use of ultra-low sulfur diesel fuel and the best available technology for emissions control on all off-road diesel construction equipment used in the clean-up and rebuild.

### Connecticut

Connecticut's Department of Transportation requires contractors to reduce diesel emissions on construction equipment by installing emissions control devices or using cleaner fuels.

### Dana-Farber Yawkey Center for Cancer Care

Boston, Massachusetts

Timeline: 2006-2011

Equipment retrofitted: 25-30 excavators, loaders, cranes, pumps, and drill rigs from 60-700 hp were retrofitted with Diesel Oxidation Catalysts (DOCs)

Ultra-low sulfur diesel fuel was used and a no idling policy was strictly enforced

Funding source: Dana-Farber Cancer Institute

### The Big Dig

Boston, Massachusetts

Completed in 2005

Over 100 excavators, front-end loaders, dump trucks, cranes, lifts, bulldozers, generators, compressors, and cranes from 50-300 hp had Diesel Oxidation Catalysts (DOCs)

Low emission fuel, like PuriNOx was used along with an idling policy

Equipment targeted for retrofit near sensitive receptors such as residential communities and hospitals, used in tunnel work for health & safety consideration of workers.

### Williams Brothers Construction Company

Houston, Texas

371 on-road trucks, dozers, excavators, loaders, crawler cranes, and other diesel construction equipment was replaced or Re-powered.

Funding provided by the Texas Emissions Reduction Plan (TERP). Texas estimates replacing companies diesel engines was the equivalent to 3,000+ tons of NO<sub>x</sub> reduction.

*For more information on clean contracting visit:*

- [www.epa.gov/cleandiesel/construction/grants.htm](http://www.epa.gov/cleandiesel/construction/grants.htm)
- [www.southeastdiesel.org](http://www.southeastdiesel.org)
- [www.cleandieselgeorgia.org](http://www.cleandieselgeorgia.org)

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Georgia Clean Diesel Campaign  
Diesel Pollution Has A Solution

