



## For More Information

For assistance with your retrofits, contact MassDEP's Diesel Reduction Program Coordinator at 617-556-1101.

For information on retrofit technologies, visit:

- The Natural Resources Defense Council's website at: <http://www.nrdc.org/air/transportation/retrofit/retrofit.pdf>
- The U.S. Environmental Protection Agency's website at: <http://www.epa.gov/ne/eco/diesel/r-retrofits.html>



[www.mass.gov/dep](http://www.mass.gov/dep)

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The Massachusetts Department of Environmental Protection is the state agency responsible for ensuring clean air and water, the safe management of toxics and hazards, the recycling of solid and hazardous wastes, the timely cleanup of hazardous waste sites and spills, and the preservation of wetlands and coastal resources.

Commonwealth of Massachusetts,  
Deval Patrick, Governor

Commonwealth of Massachusetts,  
Timothy P. Murray, Lt. Governor

Executive Office of Energy and Environmental Affairs,  
Ian A. Bowles, Secretary

Department of Environmental Protection,  
Laurie Burt, Commissioner



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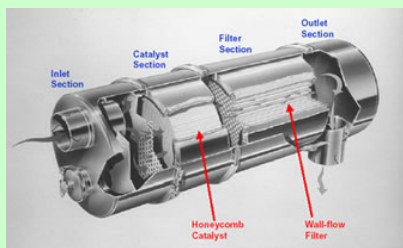
**MassDEP  
Diesel Waste  
Collection Vehicle  
Retrofit Program**

## A Cleaner Future for Garbage Trucks in Massachusetts

Thank you for participating in the MassDEP Diesel Waste Collection Vehicle Retrofit Program! At no expense to you, the Massachusetts Department of Environmental Protection (MassDEP) will equip your waste collection vehicles (WCVs) with exhaust devices that reduce your vehicles' tailpipe pollutants—bringing cleaner air to your waste workers and community. Diesel refuse, recycling and compost trucks are all eligible for these devices over the next year.

### What is a Diesel Retrofit?

An enhanced exhaust filtering system that reduces diesel vehicle pollutants, a diesel retrofit is installed in place of or along side a vehicle's muffler. Retrofit devices are reliable and proven—over 500,000 vehicles worldwide have been retrofitted with these technologies already. They only take a few hours to install, but reduce pollution for years to come.



## Why Should I Retrofit my WCVs?

Diesel WCVs are among the most heavily polluting vehicles on Massachusetts roads.

The effects of the pollution are compounded because WCVs spend almost 70 percent of their time idling or moving slowly through urban and suburban neighborhoods—exposing residents and workers to toxic pollutants.

Some of the pollutants WCVs emit include:

- Diesel fine particulate matter (PM), which the U.S. Environmental Protection Agency has identified as likely to cause cancer
- Hydrocarbons (HC), which help form ground level smog, and which are associated with increased hospital admissions for respiratory distress, including bronchitis
- Carbon monoxide (CO), which can cause headaches and nausea

Depending on the device you select, your retrofit could reduce the pollutants emitted by your WCV by:

PM	HC	CO
20-90%	60-90%	60-90%

## Which WCVs are Eligible?

In order to receive a retrofit device, your WCV must:

- ✓ Be registered in Massachusetts
- ✓ Be powered by diesel fuel
- ✓ Operate on a 1985 or newer engine
- ✓ Not have original engine manufacturer (OEM) pollution control equipment (generally 2007 and newer model years)

MassDEP's retrofit device vendors can help you determine whether your engine has OEM equipment.

## Who will perform the retrofits?

Shuster Corporation and Southworth Milton, Inc., the two retrofit vendors under state contract with MassDEP, are tasked with purchasing and installing the retrofit equipment.

Each vendor will meet with you to assess your engines' suitability for retrofits and bid on the parts and labor costs. MassDEP will select the vendor that will install the retrofits on your vehicles, based on the vendor's cost bid.