



Massachusetts
Department
of
ENVIRONMENTAL
PROTECTION

f a c t s h e e t

2010 MassDEP Waste Collection Vehicle Retrofit Program

The Massachusetts Department of Environmental Protection (MassDEP) is offering grants to municipalities and private waste haulers to equip eligible diesel waste collection vehicles (WCVs) with pollution control devices, or retrofits. These devices will reduce the vehicles' tailpipe pollutants, bringing cleaner air to the state's waste workers and communities. Funded by the federal Diesel Emissions Reduction Act (DERA) and other sources, the grants are available to retrofit both waste and recycling trucks. Applications must be submitted to MassDEP by 5:00 p.m. on Friday, March 12, 2010.

The 2010 funding is the third round of funding under this program. Over the last two years, MassDEP has awarded grants to 14 municipal WCV owners and five private haulers to have retrofit equipment installed on their vehicles.

Why should I retrofit my WCVs?

Some diesel WCVs are among the most heavily polluting vehicles on Massachusetts roads. Some of the pollutants these vehicles 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 are associated with increased hospital admissions for respiratory distress, including bronchitis
- Carbon monoxide (CO), which can cause headaches and nausea

The effects of these pollutants are compounded because WCVs spend a large part of their time idling or moving slowly through urban and suburban neighborhoods -exposing residents and workers to toxic pollutants.

What is a diesel retrofit and what will it do?

A diesel retrofit is an enhanced exhaust filtering system that reduces emissions from a diesel vehicle and is installed in place of or along side a vehicle's muffler. Retrofit devices have been installed in over 500,000 vehicles worldwide. They only take a few hours to install, but reduce pollution for the life of the vehicle.

The three retrofit devices that available for installation include diesel oxidation catalysts (DOCs), diesel flow-through filters (FTFs), and diesel particulate filters (DPFs). Depending on the device you select, your retrofit could reduce PM, HC and CO by up to 90 percent.

Which vehicles are eligible for retrofits under this program?

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

- Be registered in Massachusetts
- Pick up residential waste and/or recycling at the curbside on a regular basis
- Be powered by diesel fuel
- Operate on a 1985 or newer engine
- Not be equipped with original engine manufacturer (OEM) pollution control equipment (generally 2007 and newer model years although some earlier engine model may also be OEM-equipped)

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

Who will perform the retrofits?

Shuster Corporation of New Bedford and Southworth Milton, Inc. of Milford, two retrofit vendors under state contract with MassDEP, will install the retrofit equipment.

Each vendor will meet with you to assess your engines' suitability for retrofits. Private haulers and municipalities will not be involved in the payment process; all transactions will take place between MassDEP and the vendors.

For more information

For assistance with the retrofit program, contact MassDEP's Diesel Reduction Program Coordinator at **617-556-1101**.

For information on retrofit technologies, visit:

- Manufacturers of Emission Controls Association's website at:
http://www.meca.org/cs/root/diesel_retrofit_subsite/what_is_retrofit/what_is_retrofit
- Fact Sheet on DOCs by the U.S. Environmental Protection Agency:
<http://www.epa.gov/otag/retrofit/documents/f03016.pdf>
- Fact Sheet on DPFs by the U.S. Environmental Protection Agency:
<http://www.epa.gov/otag/retrofit/documents/f03017.pdf>

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