



Rollin' clean: Metro's diesel retrofit project

Working in partnership with EPA, DEQ, local governments and participating haulers to put pollution-curbing filters on diesel garbage trucks

What are the project's expected outcomes?

The retrofitting is expected to cut each truck's soot emissions by 25 to 90 percent, saving money and creating more livable neighborhoods.

How were refuse trucks selected for this project?

Criteria included truck age, collection route and remaining service life.

Who else is using this technology on diesel truck fleets?

On- and off-road fleets including school buses and heavy equipment have used the filters.

How does this technology compare to other means of reducing pollution from diesel fleets?

Compared to other approaches such as truck replacement, reduced-idling initiatives and use of alternative fuels, retrofitting is considered one of the most cost-effective strategies for reducing diesel particulate emissions.

How and when will this project expand to diesel fleets beyond garbage and recycling trucks?

Public fleets such as the City of Portland's public works vehicles have undergone diesel particulate filter retrofits.

How will Metro evaluate the project's results?

Metro will use EPA, California Air Resources Board and other available models to estimate total avoided particulate emissions and associated societal costs over the life of the filters installed.

What's next after this project?

Metro is interested in strategies that reduce the environmental and human health impacts associated with the generation and disposal of solid waste. Further particulate emission reductions may be achieved by turning to truck fuels beyond diesel. Metro, haulers and local governments are working together to explore options.

Is compressed natural gas the best next step in reducing pollution from truck fleets?

It's possible. Metro is exploring a variety of potentially cleaner fuels, including CNG, with its public and private partners.

How can I get more information about this project?

Contact principal sustainable operations planner Matt Tracy at 503-797-1673 or matt.tracy@oregonmetro.gov, and visit www.oregonmetro.gov/cleanfleet.