



The goal of the Collaborative is to leverage federal funds to strategically reduce emissions from the most polluting diesel sources in impacted communities. The Collaborative seeks to improve air quality and public health by targeting the highest polluting engines with the most cost effective control strategies.

Portland Metropolitan Area Clean Diesel Refuse Haulers

Under the National Clean Diesel Grant Program, the U.S. EPA provided the Oregon Department of Environmental Quality \$705,882 in funding to reduce diesel emission by retrofitting refuse haulers.

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What is the Project?

The Oregon Department of Environmental Quality (ODEQ) in partnership with Metro, the nation's only regionally elected government, will retrofit 166 refuse haulers (garbage trucks) with EPA/CARB verified exhaust controls. Metro is the metropolitan planning organization for the 1.4 million residents in 3 counties and 25 cities of the Portland, Oregon metropolitan area. ODEQ together with Metro has leveraged \$470,588 in funding for the completion of the project.

Why is this project important?

Approximately 1,000 refuse hauler trucks operate in the Portland metropolitan area and account for 10% of the diesel particulate matter emitted by all heavy duty trucks used in the area. The high retained value of the equipment and the relatively low annual operating miles means that these trucks run for many years before needing replacement that would bring newer and cleaner trucks into the fleet. Residential and commercial garbage collection service provided by about 70 private companies is regulated through franchises overseen by the multitude of city and county governments in the region. Discussions to address implementing viable solutions continued for many years without measurable result. Metro, which has direct responsibility for the regional but not the local solid waste

collection system saw itself in a position to produce a solution. Recognizing that air quality is a cross-jurisdictional concern Metro has committed itself to emission reductions and made clean diesel refuse haulers a priority. These vehicles operate in a challenging environment from an emissions perspective, travelling many miles, most at low speeds and with heavy engine loads to operate power take off equipment and hydraulics that compact and manage the load. These vehicles also operate in residential and commercial neighborhoods, returning on a regular, often weekly basis. This project will reduce diesel emission from these vehicles and benefit the overall air quality in the Portland metropolitan area.

What are the estimated environmental and economic benefits?

The Portland-Vancouver area has had a history of air quality non-attainment, and is designated as a Maintenance Area for ozone and carbon monoxide. Through the use of exhaust controls .31 tons of PM, .77 tons of HC and 3.34 tons of CO will be reduced annually.

What is the Collaborative?

The West Coast Collaborative is an ambitious partnership between leaders from federal, state, and local government, the private sector, and environmental groups committed to reducing diesel emissions along the West Coast. Partners come from all over Western North America, including California, Oregon, Washington, Alaska, Arizona, Idaho, Nevada, Hawaii, Canada and Mexico. The Collaborative is part of the National Clean Diesel Campaign (www.epa.gov/cleandiesel).

How can I find out more about the Collaborative?

For more information, on the West Coast Collaborative, please visit our website at www.westcoastcollaborative.org. For more information about this project or about the Public Fleets Sector, please contact Grace Cheng at cheng.grace@epa.gov