



WEST COAST COLLABORATIVE

Public-private partnership to reduce diesel emissions

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.

Construction Equipment and Public Fleets Retrofits

The West Coast Collaborative funded, in April 2009, the Oregon Department of Environmental Quality (DEQ) \$1,730,000, under the American Recovery and Reinvestment Act of 2009. As a result clean diesel upgrades will be available for public fleets, transit buses, and construction equipment in the Portland metropolitan area and Lane County.

What is the Project?

Retrofits devices will be installed on approximately 200 public diesel vehicles including vehicles from Lane and Washington Counties, the City of Lake Oswego, and the City of Milwaukie; Portland area transit buses from Tri-Met; and school buses in the Beaverton and Klamath County school districts. DEQ anticipates retrofitted fleets to include municipal vehicles from Lane County, the City of Lake Oswego, and the City of Milwaukie as well as Portland area transit buses and construction equipment from construction equipment rental companies in the Portland metropolitan area.

Why is this project important?

Diesel Particulate Matter 2.5 emissions from both public and private fleets within Oregon were estimated at around 4,500 tons per year based on a study in 2002. The Portland metropolitan area and Lane County are high priorities within Oregon for reducing diesel emissions since it has the highest risk from toxic air pollution. Emissions from construction equipment are known to be among the largest sources of diesel particulate, comparable to all highway trucks and buses. Providing clean diesel upgrades to leased and rented equipment provides an opportunity for contractors to better

familiarize themselves with clean diesel technology and to cost effectively utilize clean diesel upgrades on sensitive construction projects.

What are the estimated environmental/economic benefits?

The projects will utilize the best available passively regenerating exhaust controls, which would reduce particulate emissions by at least 25%.

In an EPA informal analysis calculating the monetary value of health benefits following a reduction of one ton of diesel particulate matter in each county in Oregon, Multnomah County was shown to have the greatest opportunity for cost effective benefits. This study showed \$400,000 in avoided health impacts in Multnomah County, and \$113,000 in avoided health impacts in Lane County per ton of diesel particulate reduced.

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). The state of Oregon is a founding member of the Collaborative and implements its efforts through the Oregon Clean Diesel Initiative (www.deq.state.or.us/eq/diesel/).

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 in general, please contact Grace Cheng: cheng.grace@epa.gov