



WEST COAST COLLABORATIVE

A 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.

DERA 2012: School Bus Exhaust & Anti-Idling Retrofits in Idaho

Under the Diesel Emission Reduction Act (DERA) 2012 State Clean Diesel Grant Program, the U.S.EPA West Coast Collaborative awarded the Idaho Department of Environmental Quality (IDEQ) \$120,623 to install exhaust and anti-idling retrofits that will reduce diesel school bus emissions.

What is the Project?

IDEQ will retrofit 15 school buses with closed crankcase ventilation systems (CCVs) and diesel oxidation catalysts (DOCs), and retrofit 20 school buses with fuel operated heaters to reduce idling and start up emissions.

Why is this project important?

School bus fleets operate largely in residential areas where children live and school facilities are located. This program will reduce the risk from toxic pollutants by reducing the exposure of school-age children to diesel emissions from school buses. The program area includes areas of high and medium population density, as well as small towns in rural areas.

What are the estimated environmental/economic benefits?

This project will reduce 0.9 tons of particulate matter (PM), 15.7 tons nitrogen oxides (NOx), 5.3 tons of carbon monoxide (CO), and 520 tons of carbon dioxide (CO₂) emissions over its operational life. The use of fuel operated heaters is expected to reduce not only emissions from idling, but start-up emissions as well. Additional reported benefits of these heaters are 2232 gallons of diesel fuel saved per year, longer engine oil life, less wear-and-tear on the engine, and relatively easy installation and maintenance.

How is this project funded?

The West Coast Collaborative is providing \$126,623 in funds in support of this project.

What is the Collaborative?

The West Coast Collaborative (WCC) 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, Pacific Island Territories, Canada and Mexico. The Collaborative is part of the U.S. EPA National Clean Diesel Campaign (NCDC). www.epa.gov/cleandiesel

How can I find out more about the Collaborative?

For more information, on the WCC, please visit our website at www.westcoastcollaborative.org. For more information about this project, or about the Public Fleets Sector, please contact John Mikulin at U.S. EPA (mikulin.john@epa.gov / 415-972-3956).