



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 2018: Idaho Department of Environmental Quality – Diesel-Powered Vehicle Retrofit and Equipment Replacement Program

Under the Diesel Emission Reduction Act (DERA), the EPA awarded the Idaho Department of Environmental Quality a \$411,713 grant with Fiscal Year 2018 funding. The grant will fund an equipment retrofit and replacement project to support reduced emissions and improved air quality in Idaho communities. The project will be implemented with a cost share of \$274,475 from the State of Idaho for a total project cost of \$686,188.

What is the Project?

The Idaho Department of Environmental Quality will work with project partners to install retrofit technologies on diesel-powered vehicles to support reduced diesel engine emissions and improved air quality in Idaho communities. The project includes the installation of up to 35 emission reduction retrofits. These retrofits include the installation of 10 diesel oxidation catalysts, 8 closed crankcase ventilators, 4 fuel operated heaters, 5 diesel particulate filters on non-road and on-road vehicles, and 6 combination low-rolling resistance tire sets and 2 aerodynamic retrofits.

Why is this Project Important?

This project targets various areas in Idaho that are currently designated by the EPA as areas of concern or non-attainment for particulate matter 2.5 (PM_{2.5}). Research shows that there is no safe level of exposure to diesel particulate matter. While this project will target construction equipment, it will retrofit both non-road and on-road equipment. Significant reductions in diesel particulate matter and ozone precursor emissions are anticipated to be achieved through the installation of these 35 emission reduction retrofits, which will assist air quality efforts in threatened airsheds and priority areas of Idaho.

What are the Estimated Environmental Benefits?

The retrofit devices and equipment replacements are projected to reduce diesel consumption by 4,595 gallons per year, and emissions of particulate matter 2.5 (PM_{2.5}) by 7.85 tons, nitrogen oxides (NOx) by 9.46 tons, hydrocarbons (HC) by 13.57, carbon monoxide (CO) by 35.40 tons, and carbon dioxide (CO₂) by 827 tons over the lifetime of the vehicles serviced.

How is this Project Funded?

The West Coast Collaborative is a partnership between leaders from federal, tribal, state, and local government, the private sector, and environmental groups committed to reducing diesel emissions along the West Coast and is part of the National Clean Diesel Campaign: www.epa.gov/cleandiesel.

Where can I find more information?

For more information on the West Coast Collaborative, please visit our website at: www.westcoastcollaborative.org. For more information about this project, please contact Lucita Valiere at: valiere.lucita@epa.gov



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