



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 2020: Clean Air Construction Collaborative Heavy- and Medium-Duty Truck Replacement Project

Under the Diesel Emission Reduction Act (DERA), the U.S. Environmental Protection Agency (EPA) awarded the Professional Business Development Group (PBDG) a \$541,234 grant with Fiscal Year 2020 funding. This grant will fund the replacement of diesel-powered trucks that operate in Clackamas, Multnomah, and Washington County, Oregon and Clark County Washington, to support reduced emissions and improve air quality. The project will be implemented with a cost share of \$960,000 from the project partners for a total project cost of \$1,501,234.

What is the Project?

The Professional Business Development Group (PBDG) will work in partnership with four companies to scrap and replace one (1) medium-duty and seven (7) heavy-duty diesel-powered trucks with newer, lower-emitting trucks. This project supports reduced diesel emissions and improved air quality within priority National Air Toxics Assessment priority areas.

Why is this Project Important?

In the EPA's 2014 National Air Toxics Assessment Clackamas, Multnomah, and Washington County, Oregon and Clark County, Washington were identified as areas where all or part of the population is exposed to diesel particulate matter concentrations above the 80th percentile and are on the EPA 2020 National Priority Area list. These truck replacements will result in diesel emission reductions in communities disproportionately impacted by diesel emissions.

What are the Estimated Environmental Benefits?

The replacement of these medium- and heavy-duty trucks is projected to reduce the fleet's annual diesel emissions of nitrogen oxides (NOx) by 11.07 tons, particulate matter 2.5 (PM_{2.5}) by 0.48 tons, hydrocarbons (HC) by 0.42 tons, carbon monoxide (CO) by 2.65 tons, and carbon dioxide (CO₂) by 89.2 tons. Over the lifetime of the vehicles, this will result in estimated cumulative emission reductions of 64.86 tons of NOx, 2.8 tons of PM_{2.5}, 2.42 tons of HC, 15.33 tons of CO, and 506.8 tons of CO₂.

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 Sarah Frederick at frederick.sarah@epa.gov