



WEST COAST COLLABORATIVE

A public-private partnership to reduce diesel emissions

The goal of the West Coast 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 Tribal 2019: Fire Engine Replacement for Blue Lake Rancheria

The West Coast Collaborative (WCC) is pleased to announce the Blue Lake Rancheria's receipt of a United States Environmental Protection Agency (US EPA) Diesel Emissions Reduction Act (DERA) grant to replace a wildland fire engine operating on the Blue Lake Rancheria. This project will be implemented using \$78,562 in DERA grant funding combined with \$311,427 in matching funds from the Blue Lake Rancheria and the Volkswagen Mitigation Settlement.

What is the Project?

This project will replace one 1992 wildland fire engine with a new, cleaner diesel model. Blue Lake Rancheria, Humboldt County, California, will be the primary location for the vehicle. Use may occur throughout Northern California and beyond in response to wildland fires.

Why is this project important?

Exposure to diesel exhaust has been associated with decreased lung function and can also exacerbate the symptoms of asthma, bronchitis and pneumonia. This project will reduce human exposure to diesel emissions as well as the negative health effects associated with exposure.

What are the Environmental Benefits?

Over the remaining lifetime of the affected engine, these replacements are projected to reduce emissions of oxides of nitrogen (NOx) by 0.26 tons, fine particulate matter (PM2.5) by 0.01 tons, hydrocarbons (HC) by 0.03 tons, carbon monoxide (CO) by 0.07 tons, and carbon dioxide (CO₂) by 16.88 tons. Additionally, the reduction of PM2.5 emissions will reduce black carbon (BC), which influences climate by directly

absorbing light, reducing the reflectivity ("albedo") of snow and ice through deposition, and interacting with clouds.

Who are the Partners on this project?

The project will be administered by the Blue Lake Rancheria, who will administer the grant funds, and will be responsible for data monitoring and reporting for the project.

What is the Collaborative?

The WCC is an ambitious partnership between leaders from federal, state, local, and tribal 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: Alaska, Arizona, California, Hawaii, Idaho, Nevada, Oregon, Washington, the Pacific Islands, Canada and Mexico. The WCC is part of the US EPA National Clean Diesel Campaign (www.epa.gov/cleandiesel).

How can I find out more information?

For more information on this project, please contact Francisco Dóñez at US EPA (donez.francisco@epa.gov or 213-244-1834). For more information on the WCC, please visit our website. www.westcoastcollaborative.org