



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 2016: Medium-Duty Replacements & Retrofits in Nevada

The West Coast Collaborative (WCC) is pleased to announce the Nevada Division of Environmental Protection's (NDEP's) receipt of a United States Environmental Protection Agency (US EPA) Diesel Emissions Reduction Act (DERA) State Clean Diesel Program grant to replace and retrofit heavy-duty diesel vehicles operating throughout Nevada. This project will be implemented using \$193,627 in DERA grant funding combined with \$580,881 in matching funds from participating fleets.

What is the Project?

This project will replace 4 Class 5 legacy diesel vehicles with new vehicles powered by model year 2013, or newer engines. The older, replaced vehicles will be removed from service and permanently destroyed. The project will also retrofit 15 Class 5 vehicles with diesel oxidation catalysts (DOCs) and switch them from ultra-low sulfur diesel (ULSD) to renewable diesel fuel.

What are the environmental benefits?

Over the remaining lifetime of the 19 affected engines, these upgrades will reduce emissions of fine particulate matter (PM_{2.5}) by 1.9 tons, nitrogen oxides (NO_x) by 8.1 tons, hydrocarbons (HC) by 3.9 tons, carbon monoxide (CO) by 16 tons, and carbon dioxide (CO₂) by 6195 tons. Reduction of PM_{2.5} emissions will also 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 was led by NDEP, a state agency whose mission is to preserve and enhance the environment of Nevada in order to protect public health, sustain healthy ecosystems, and contribute to a vibrant economy. NDEP received the DERA grant award through the WCC, and will distribute grant funds to the participating fleets. NDEP is also responsible for managing and reporting results for the project.

What is the Collaborative?

The WCC is an ambitious partnership between leaders from federal, state, local and tribal governments, 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, 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 John Mikulin at US EPA (mikulin.john@epa.gov / 415-972-3956). For more information, on the WCC, please visit our website at www.westcoastcollaborative.org