



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: Street Sweeper Replacement in Clark County, Nevada

Under the Diesel Emission Reduction Act (DERA) 2012 State Clean Diesel Grant Program, the U.S.EPA West Coast Collaborative awarded the Nevada Division of Environmental Protection (NDEP) \$126,421 to replace a Clark County public works vehicle.

What is this project?

NDEP will replace one model year 2002 heavy-duty diesel street sweeper with a model year 2010, or newer vehicle.

Why is this project important?

Street sweepers operate largely in urban areas with high population density. This project will reduce the risk from toxic pollutants by reducing human exposure to diesel emissions and re-entrained road dust. The project will take place in Clark County, Nevada, which is designated as a non-attainment area for the National Ambient Air Quality Standards (NAAQS) for 8-hour ozone and particulate matter 10 microns and smaller (PM10).

What are the estimated environmental and health benefits?

This project will reduce 0.6 tons of particulate matter (PM), 11.5 tons of nitrogen oxides (NOx), 1.3 tons of hydrocarbons (HC), 5.6 tons of carbon monoxide (CO), and 1165 tons of carbon dioxide (CO2) emissions over its operational life. Additional reported benefits of this project are that it will increase the quality of street sweeping and reduce the re-entrainment of large particulate matter.

How is this project funded?

The West Coast Collaborative is providing \$126,421 in funds in support of this project.

What is the West Coast 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 West Coast Collaborative, 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).