



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.

Cascade Sierra Solutions – Green Machines Program

The U.S. Environmental Protection Agency (EPA), through the West Coast Collaborative funded Cascade Sierra Solutions (CSS) – Green Machines Program, \$847,941 dollars under the Diesel Emission Reduction Act (DERA) 2009-2010 grant program, in May 2010. The project will achieve significant reduction in diesel emissions by replacing (42) early 1990-2001 model year trucks with 2008-2011 hybrid vehicles and 2010-2011 conventional clean diesel vehicles, meeting 2010 diesel emission standards.

What is the project?

The project will reduce diesel emissions by replacing thirteen Coca-Cola 80,000 lb. GVWR tandem-axle tractors, seventeen Coca-Cola 55,000 lb. GVWR single-axle beverage delivery tractors, ten Coca-Cola 33,000 GVWR beverage delivery dry cans, and two Shred-It paper shredding trucks.

Why is this project important?

This project will reduce harmful exhaust emissions from diesel engines, which is a nation-wide priority. All of the trucks that will be replaced in this project operate in areas of low air quality and high population density. The subsequent reduction in diesel emissions can be expected to result in a decrease in asthma, lung ailments including cancer, and other respiratory diseases. Also, the sharp reduction in fuel use due to the use

of new hybrid trucks will reduce carbon monoxide (CO) emissions which are causing global climate change.

What are the Environmental Benefits?

The yearly benefit of this project is that there will be a reduction of: 28.6 tons of NO_x, .87 tons of particulate matter (PM), .66 tons of hydrocarbons (HC), 3.41 tons of carbon monoxide (CO), and 842 tons of CO₂. In addition to the project being cost effective, it will also conserve approximately 75,864 gallons of fuel. Over the lifetime of the vehicles, 7,797 tons of CO₂ will be reduced and a reduction of 792,533 gallons of diesel fuel.

What is the Collaborative?

The West Coast Collaborative 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 California, Oregon, Washington, Alaska, Arizona, Idaho, Nevada, Hawaii, Canada and Mexico. The Collaborative is part of the National Clean Diesel Campaign (NCDC). For more information on NCDC, go to www.epa.gov/cleandiesel.

How can I Find More Information?

For more information about the West Coast Collaborative Trucking Sector Projects, please contact Trina Martynowicz at martynowicz.trina@epa.gov, 415-972-3474 or visit our website at: www.westcoastcollaborative.org.