



WEST COAST COLLABORATIVE

A public-private partnership to reduce diesel emissions

The goal of the Collaborative is to leverage significant federal funds to reduce emissions from the most polluting diesel sources in the most affected communities. The Collaborative seeks to significantly improve air quality and public health by targeting the highest polluting engines with the most cost effective control strategies.

Fleet Modernization Program for Medium and Heavy Duty Hybrid Trucks and Hybrid School Buses

The West Coast Collaborative selected the Sacramento Metropolitan Air Quality Management District, under the Diesel Emissions Reductions Act, \$553,360 in February 2009 to replace existing trucks and school buses with plug-in hybrid and hybrid technologies that achieve greater than 20 percent fuel efficiency

What is the Project?

The District will partner with public and private medium/heavy duty fleets to create a buyers group. The buyers group will replace 3-6 hybrid vehicles. The District will also replace 6-8 pre-1987 school buses with 2007/2010 certified hybrid and plug-in hybrid school buses. The District will provide matching funds for the school bus replacement program (\$140,000/bus from Proposition 1B [total \$1,120,000], \$25,000/bus from local funds [total \$200,000], and the remaining of \$106,600 from the Sacramento School Bus Consortium)

Why is this project important?

There are over 74,000 heavy-duty vehicles and 2,000 school buses operating in the Sacramento Region daily. Mobile sources comprise

nearly 70% of the pollution sources within the Sacramento Region. Although heavy duty trucks makeup less than 10 % of all the vehicles, they consume about half the fuel, and comprise nearly 30% of the Sacramento Region's Nitrous Oxide emissions.

What are the estimated environmental benefits?

It is estimated that school bus replacement will yield reductions of approximately 0.8 tons/year in carbon monoxide (CO), 1.76 tons/year in NOx, 0.032 tons/year in hydrocarbons (HC), 0.08 tons/year in particulate matter (PM), and 48.8 tons/year in CO2. For the truck replacement project, the estimated reduction is 0.42 tons/year of CO, 0.9 tons/year of NOx, 0.012 tons/year of HC, 0.036 tons/year of PM, and 26.4 tons/year of CO2.

What is the Collaborative?

The West Coast Collaborative 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, Canada and Mexico. The Collaborative is part of the National Clean Diesel Campaign (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 in general, please contact Grace Cheng: cheng.grace@epa.gov