



WEST COAST COLLABORATIVE
A public-private partnership to reduce diesel emissions



San Joaquin Valley Air Pollution Control District: ARRA School Bus Replacement Project

The West Coast Collaborative (WCC) is pleased to announce the San Joaquin Valley Air Pollution Control District's (SJVAPCD's) completion of its project to replace heavy-duty diesel school buses. This project was implemented using \$4,000,000 in U.S. Environmental Protection Agency (U.S. EPA) American Recovery & Reinvestment Act of 2009 (ARRA) grant funding combined with nearly \$7,000,000 in leveraged funds from the SJVAPCD, California Air Resources Board (CARB), and participating school districts.

What is the Project?

SJVAPCD was awarded an ARRA grant to replace 77 pre-1980 model year heavy-duty diesel school buses with 30 model year 2010 compressed natural gas (CNG) buses, 43 model year 2009 diesel buses, and 4 model year 2010 diesel buses. The affected counties are Fresno, Kern, San Joaquin, and Tulare.

Why is this project important?

The San Joaquin Valley Air Basin does not currently meet Federal, health-based ambient air quality standards for Ozone and PM_{2.5} and has been classified as Extreme Non-attainment for the 1-hour Ozone and the 8-hour Ozone standards. Almost half of the residents in the San Joaquin Valley are minority with some of the lowest salary levels in California, making large portions of the Valley environmental justice (EJ) areas. Fresno County in San Joaquin Valley has 50 percent higher rate of asthma than the state average. Within the SJVAPCD jurisdiction, there are an estimated 215 school districts that are responsible for transporting approximately 83,300 children ages 5-18 to and from school each day. Older diesel school buses can produce up to 100

times more particulate matter (PM) emissions than cleaner alternatives that are currently available. Therefore, this project has significant associated health benefits.

What are the Environmental Benefits?

Over the lifetime of the project, the emissions of the 77 affected engines will be reduced by 30 particulate matter (PM) tons, 395 oxides of nitrogen (NO_x) tons, 19 hydrocarbon (HC) tons, and 83 carbon monoxide (CO) tons.

How was this project funded?

The WCC provided \$4,000,000 in ARRA Clean Diesel grant funds to support this project. \$6,946,612 in total leveraged funding was contributed by the CARB/SJVAPCD Lower Emissions School Bus Program (LESBP) and the participating school districts.

Who are the Partners on this project?

The project was led by SJVAPCD, a public health agency whose mission is to improve the health and quality of life for all San Joaquin Valley residents, in partnership with CARB and participating school districts. SJVAPCD received the ARRA grant award through the WCC, and distributed the grant funds to the school district bus fleets. SJVAPCD was also responsible for data monitoring and reporting for the project.

What is the Collaborative?

The 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, the Pacific Islands, Canada, and Mexico. The WCC is part of the U.S. EPA National Clean Diesel Campaign (NCDC).

www.epa.gov/cleandiesel

How can I find out more information?

For more information on this project, please contact John Mikulin at U.S. EPA (mikulin.john@epa.gov / 415-972-3956). For more information on the WCC, please visit our website. www.westcoastcollaborative.org