



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.

DERA 2012: Deploying Cleaner Trucks in the San Joaquin Valley

Under the 2012 Diesel Emission Reduction Act (DERA) National Program, the U.S. Environmental Protection Agency (EPA) West Coast Collaborative (WCC) awarded the San Joaquin Valley Air Pollution Control District (SJVAPCD) \$898,833 to replace at least 37 heavy-duty diesel engines trucks with newer, cleaner 2011 model year engines.

What is this project?

The SJVAPCD will replace approximately 37 heavy-duty, long-haul waste transporting Class 8 diesel trucks in the San Joaquin Valley with model year 2003 or older engines. Replacement trucks will be equipped with engines that are certified to meet or exceed 2011 emission standards of 0.20 g/bhp-hour NOx and 0.01 g/bhp-hour of PM. Additional, truck owners may choose to purchase alternative fuel, hybrid, SmartWay certified or zero-emission replacements trucks.

Why is this project important?

These trucks operate in areas of the San Joaquin Valley that receive a disproportionate amount of air emissions, such as Kettleman City. The life of these cleaner and lower emission trucks is approximately

1 to 1.5 million vehicle miles traveled, thus will be operating for at least ten years.

What are the environmental and health benefits?

These trucks will achieve up to a 97% reduction of particulate matter (PM) 2.5 and up to a 94% reduction of nitrogen oxide (NOx). If alternative fuel or zero-emission trucks are purchased, even further reductions will occur. Annual emissions from these 35 trucks include 83 tons of NOx, 3.3 tons of PM, 3.6 tons of hydro carbons (HC), and 26 tons of carbon monoxide (CO). For the 15 year life of these trucks, lifetime emissions include 1,249 tons of NOx, 50 tons of PM, 54 tons of HC, and 388 tons of CO.

How is this project funded?

The West Coast Collaborative is providing \$898,833 in funds in support of this project. SJVAPCD and its project participants will provide \$4,839,368 for total project funding of \$5,738,201.

What is the West Coast 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, Pacific Island Territories, Canada and Mexico. The Collaborative is part of the National Clean Diesel Campaign.

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