



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 2011: Agricultural Water Irrigation Pump Electrification Voucher Incentive Project

Under the Diesel Emission Reduction Act (DERA) National Program the Sacramento Metropolitan Air Quality Management District received \$1,097,032 to establish a voucher program to replace existing diesel agricultural irrigation pump engines with new electric powered pumps.

What is the project?

The EPA has selected the Sacramento Metropolitan Air Quality Management District (SMAQMD) for \$1 million in funding to establish a voucher program to replace 200 existing diesel agricultural irrigation pump engines with new electric agricultural pump motors owned by private parties operating as an agricultural business.

Why is this project important?

The replacement of 200 diesel engines with electric agricultural pumps will significantly reduce diesel emissions to agricultural

workers. This project will reduce agricultural workers exposure to cancer-causing pollution. Diesel exhaust has been linked to lung cancer, the exacerbation of asthma, other respiratory diseases, and heart disease. The Sacramento area is designated as "serious" non-attainment for ozone. This project will also help reduce ozone precursors.

What are the estimated environmental benefits?

By replacing 200 diesel agricultural irrigation pump engines with new electric pumps the emissions from these diesel pumps will be eliminated the project will achieve significant emissions reductions and will reduce 406 tons of nitrogen oxides (NOx), 21.6 tons of hydrocarbons (HC), 1.4 tons of particulate matter (PM), and 107,730 tons of carbon dioxide (CO₂) emissions over the life of the project. Pump usage rates will be recorded as part of the project.

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.

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.