



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.

DERA 2008-2010: California Air Resources Board/Caltrans Truck Repower & Replacement Project

The West Coast Collaborative (WCC) is pleased to announce the California Air Resources Board's (CARB's) completion of its project to repower and replace heavy-duty diesel trucks operated by the California Department of Transportation (Caltrans). This project was implemented using \$1,001,202 in U.S. Environmental Protection Agency (U.S. EPA) Diesel Emissions Reduction Act (DERA) grant funding combined with nearly \$2,000,000 in leveraged funds from CARB and Caltrans.

What is this project?

Repower 15 model years (MY) 1987-1993 heavy-duty diesel trucks with MY2009 engines, scrap and replace 11 MY1988-1993 heavy-duty diesel trucks with MY2009 trucks, and retire/scrap 4 MY1984-1988 heavy-duty diesel trucks.

Why is this project important?

California suffers from some of the worst air quality in the U.S. as more than 90% of the state's residents live in areas with unhealthy air. The vehicles affected by this project will be used to maintain and repair roadways throughout California. The older model year vehicles retired and scrapped under this project will provide significant early reductions of harmful criteria pollutant emissions, as well as greenhouse gases (GHGs). The lower emitting replacement engines and vehicles are expected to last approximately 20 years.

What are the environmental & health benefits?

Over the lifetime of the project, the emissions of the 30 affected engines will be reduced by 13 fine particulate matter (PM_{2.5}) tons, 292 nitrogen oxide (NO_x) tons, 9 hydrocarbon (HC) tons, 65 carbon monoxide (CO) tons, and 341 carbon dioxide (CO₂). On an annual basis, the associated PM_{2.5} emissions reductions will generate nearly \$6 in monetary health benefits in the affected counties for every \$1 spent on the project.

How was this project funded?

The WCC provided \$1,001,202 in DERA grant funds to support this project. \$667,468 in matching funds was contributed by CARB along with \$1,300,545 in leveraged funds from Caltrans.

Who were the Partners on this project?

The project was led by CARB, the governing clean air agency in the State of California. CARB received the DERA grant award through the WCC, and distributed the grant funds to Caltrans. CARB was also responsible for data monitoring and reporting for the project.

What is the West Coast Collaborative?

The WCC is an ambitious partnership between leaders from federal, state, local and tribal governments, the private sector, and environmental groups committed to reducing diesel emissions along the West Coast. Partners come from all over Western North America, including: Alaska, Arizona, Hawaii, Idaho, Nevada, California, Oregon, Washington, Canada and Mexico. The Collaborative is part of the U.S. EPA National Clean Diesel Campaign (www.epa.gov/cleandiesel).

How can I find out more information?

For more information about 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 at www.westcoastcollaborative.org