



WEST COAST COLLABORATIVE

Public-private partnership to reduce diesel emissions

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.

Advanced Locomotive Emission Control System

The West Coast Collaborative is pleased to announce that EPA has selected the Advanced Locomotive Emission Control System project for \$39,000 in EPA funding. The project will be implemented with over \$1 million in leveraged funds.

What is the Advanced Locomotive Emission Control System Project?

The primary goal of this project is to use conventional stationary source emission control equipment to treat emissions from locomotives in the maintenance area of the Roseville rail yard. The emissions will be captured by placing a bonnet over the exhaust stacks of the locomotives while they are being serviced. This project will demonstrate the performance of the equipment on locomotive engines and verify the design of the bonnet and other equipment components.

Why is this project important?

The Roseville rail yard is the largest service and maintenance rail yard in the West and is visited by more than 30,000 locomotives annually. The high volume of activity at this rail yard generates a significant amount of emissions that could potentially have adverse health and environmental impacts. A study released by the California Air Resources Board in 2004 found that short term and long term mitigation measures are needed to significantly reduce diesel particulate matter (PM) emissions from the rail yard. This project is one effort to reduce the emissions from this area.

What are the estimated environmental benefits of this project?

Use of the emission control system will significantly reduce emissions of nitrogen oxides (NO_x) and PM from the rail yard. Specifically, the project will result in annual reductions of:

- 102.5 tons of NO_x; and
- 2.2 tons of PM.

How is this project funded?

Through EPA's Pacific Southwest Office, the Collaborative is providing \$39,000 in support of this project. More than \$1 million in additional funding is being provided by the Placer County Air Pollution Control District and other Collaborative partners.

What is the Placer County Air Pollution Control District?

The Placer County Air Pollution Control District (PCAPCD) is the air pollution control agency for Placer County, CA. Through its Clean Air Grant Program, the PCAPCD recently awarded \$1 million in grants for 16 projects that could reduce the region's air pollution by almost 15 tons per year.

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 about the West Coast Collaborative, please contact Peter Murchie (murchie.peter@epa.gov, 503-326-6554), or visit our website at www.westcoastcollaborative.org.