



## 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.

# Selective Catalytic Reduction (SCR) on a Metrolink Passenger Locomotive

The West Coast Collaborative is pleased to announce that EPA has selected the SCR on a Metrolink Passenger Locomotive Project for \$100,000 in EPA funding. The project will be implemented with approximately \$417,000 in additional funds from other sources.

## What is the “SCR on a Metrolink Passenger Locomotive Project”?

Metrolink (under the Southern California Regional Rail Authority), South Coast Air Quality Management District, and other Collaborative partners will demonstrate the first known use of SCR on a locomotive main propulsion engine in the United States, and the first known use on a locomotive of this size. The retrofitted locomotive will be tested along three of Metrolink’s inter-regional routes (Venture County Line, Antelope Valley Line, and Orange County Line) to demonstrate SCR function under different operational conditions, including tunnels and grades.

## Why is this project important?

This technology application is expected to achieve from 80 to 90 percent reductions in nitrogen oxides and over 50 percent particulate matter reductions. Residents of the Los Angeles region, especially those living near the Metrolink lines and stations, will benefit from reduced exposure to these emissions. Metrolink riders will also benefit from emissions reductions resulting from this project. If successful, this project could be replicated in other areas, allowing for significant emissions reductions.

## How is this project funded?

Through EPA, the Collaborative is providing \$100,000 in support of this project. In addition, approximately \$417,000 will be provided in support from the South Coast Air Quality Management District, Metrolink, Engine, Fuel, and Emissions Engineering, Inc. (EF&EE), and other sources.

## Who are the partners on this project?

The principal partners on this project are the South Coast Air Quality Management District, EF&EE, and Metrolink. The South Coast Air Quality Management District is the air pollution control agency of the South Coast Air Basin. EF&EE is an environmental and consulting firm, and Metrolink is the provider of local passenger rail service in the South Coast Air Basin.

## 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](http://www.epa.gov/cleandiesel)).

## How can I find out more about the Collaborative?

For more information about the Collaborative, please contact Peter Murchie ([murchie.peter@epa.gov](mailto:murchie.peter@epa.gov), 503-326-6554) or visit our website at [www.westcoastcollaborative.org](http://www.westcoastcollaborative.org).