



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 2009/2010: Shore Side Power at Pier 27, Port of San Francisco

In May 2010, under the Diesel Emissions Reductions Act, the West Coast Collaborative awarded the Port of San Francisco \$1 million for the design, purchase and installation of a shore-to-ship electrical connection system for berthed cruise ships. The project will be implemented with \$4.2 million in voluntary cost-share funding.

What is the Project?

The Port of San Francisco will purchase and install a shore-to-ship electrical connection system for berthed cruise ships. The project will provide grid-based, high voltage electrical power to the ships. The Port estimates a minimum use during the first year of 15 of approximately 50 scheduled cruise calls, and expects that usage will increase to 40 out of 50 calls in future years. The Port will provide \$1 million for this project, and additional funds will be provided by the Bay Area Air Quality Management District (\$1.9 million) and the San Francisco Public Utilities Commission (\$1.3 million).

Why is this project important?

Marine vessels can be a significant source of pollutant emissions within an airshed, especially emissions of NO_x and particulate matter (PM) that can result in adverse public health and environmental

consequences. This project will provide long-term environmental health benefits to local communities and the San Francisco Bay air shed.

What are the estimated environmental benefits?

This shorepower project will demonstrate a 2,285 ton reduction in oxides of nitrogen emissions (NO_x) and a 81 ton reduction in particulate matter emissions (PM) over the 30-year project lifetime. The Port of San Francisco estimates long-term reduced public health costs of over \$9.5 million from this 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 (www.epa.gov/cleandiesel).

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. For more information about this project or about the Marine Vessels & Ports Sector Workgroup, please contact Francisco Doñez at donez.francisco@epa.gov or 213-244-1834.