



## WEST COAST COLLABORATIVE

A 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.

# DERA 2012: Port of Long Beach Emission Reduction Projects

Under the National Clean Diesel Grant Program, the U.S. EPA West Coast Collaborative (WCC) awarded the Port of Long Beach \$1,344,146 in funding to reduce diesel emissions by retrofitting and/or replacing sixteen (16) pieces of port cargo handling equipment.

### What is this project?

This project will reduce diesel emissions by retrofitting and/or replacing 16 pieces of equipment at POLB terminals. The project funds replacement of five (5) yard tractors with automated guided vehicles (AGVs) that use battery cells and will reduce diesel emissions and fuel consumption by 100%. In addition, this project will retrofit eleven (11) rubber tired gantry (RTG) cranes with EPA and CARB-verified level III diesel particulate filters (DPF).

### Why is this project important?

The Port of Long Beach is located in the South Coast Air Basin (SoCAB). The SoCAB has some of the worst air quality in the nation, which represents a serious health concern for its residents. Studies have shown that tens of thousands of people living in communities around ports face an increased risk of cancer, asthma, birth defects, and decreased lung function. The communities surrounding the ports are the closest to the docks and to the pollution emitted by harbor craft and cargo-handling equipment that supports goods movement.

By reducing emissions from these vessels and pieces of cargo handling equipment, this project improves air

quality and provides immediate benefits to these communities.

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### What are the environmental and health benefits?

By retrofitting and/or replacing 16 pieces of equipment, this project will achieve emissions reductions ahead of regulatory compliance dates and will reduce 25 tons of nitrogen oxides (NOx), 173 tons of carbon monoxide (CO), 33 tons of particulate matter (PM) emissions and 733 tons of carbon dioxide (CO<sub>2</sub>) over the life of the project. The emissions will be tracked annually through the Port of Long Beach Emissions Inventory, which collects annual activity data from terminal operators.

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### How is this project funded?

The West Coast Collaborative is providing \$1,344,146 in funds in support of this project. Port of Long Beach and its project participants will provide \$2,639,854 for a total project cost of \$ 3,984,000.

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### What is the West Coast 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, Pacific Island Territories, Canada and Mexico.

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

For more information, please visit our website at [www.westcoastcollaborative.org](http://www.westcoastcollaborative.org). For more information about this project or about the WCC Marine Vessels and Port Sector, please contact La Weeda Ward at [ward.laweeda@epa.gov](mailto:ward.laweeda@epa.gov)