



## 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.

# Port of Oakland – Hybrid Electric Repower of Rubber Tire Gantry (RTG) Cranes

The West Coast Collaborative is pleased to announce that EPA selected the Port of Oakland for \$415,932 in EPA funding under the Diesel Emissions Reduction Act (DERA).

### What is the Hybrid RTG Repower Project?

The project will repower two rubber tire gantry cranes (RTG) at the Port of Oakland with hybrid gen set technology that will significantly reduce air emissions and fossil fuel consumption. The “EcoPower” crane platform utilizes a patented technology where the larger (800hp) diesel generator is removed from the RTG and replaced with a small Tier 4i engine, lithium ion batteries and an energy management system. The diesel generator is used solely as a means of charging the batteries and therefore has significantly lower emissions than a standard diesel engine.

### Why is this project important?

This project will greatly reduce diesel particulate emissions from two RTG cranes operating in West Oakland, an area disproportionately affected by diesel pollution.

### What are the estimated environmental benefits?

The Hybrid RTG Repower project will reduce diesel fuel usage and greenhouse gas emissions from the two cranes by 60%, and will reduce NOx and particulate matter (PM) emissions by 90%.

### How is this project funded?

Through EPA and National Clean Diesel Funding Assistance Program, the West Coast Collaborative is providing \$415,932 in support of this project. Additionally, the project will be funded with \$623,899 in private funding.

### Who are the partners on this project?

Project partners include the Port of Oakland and Ports America.

### What is the Collaborative?

The West Coast Collaborative is a partnership between leaders from federal, state, and local government, the private sector, and environmental groups committed to reducing diesel emissions along the West Coast and is part of the National Clean Diesel Campaign: [www.epa.gov/cleandiesel](http://www.epa.gov/cleandiesel). For more information, on the West Coast Collaborative, please visit our website at [www.westcoastcollaborative.org](http://www.westcoastcollaborative.org).

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

For more information about this project or the West Coast Collaborative, please contact Francisco Dóñez at [donez.francisco@epa.gov](mailto:donez.francisco@epa.gov) or (213) 244-1834.