

The West Coast Collaborative is a public private partnership focused on reducing diesel emissions throughout western North America and the U.S. Pacific Islands. The Collaborative seeks to significantly improve air quality and public health by providing assistance to upgrade high polluting diesel fueled engines, vehicles, and equipment with cost effective and cleaner emission control technologies.

DERA National 2019: Replacing Diesel Rubber Tired Gantry Cranes in Port of Long Beach, CA



Where:

Port of Long Beach, CA



Grantee:

City of Long Beach –
Harbor Department



Replacing:

3 uncontrolled tiered diesel
rubber-tired gantry cranes



Funding:

\$1,500,000 U.S. EPA's DERA
\$5,651,471 Matched



**Lifetime Emissions
Reduced:***

2.8 tons of PM_{2.5}
331.3 tons of NO_x
123.5 tons of CO
27.5 tons of HC
8884.8 tons CO₂



**What is the West Coast
Collaborative?**

The Collaborative is a partnership among leaders from federal, tribal, state, and local governments, the private sector and environmental and community groups in EPA Regions 9 and 10

The West Coast Collaborative is pleased to announce the completion of the City of Long Beach, Harbor Department's (COLBHD) U.S. Environmental Protection Agency (U.S. EPA) Diesel Emissions Reduction Act (DERA) National Grant to replace 3 diesel rubber-tired gantry (RTG) cranes at the Port of Long Beach. This project was implemented using \$1,500,000 in DERA grant funding combined with \$5,651,471 in matching funds from project partner Total Terminals International, LLC (TTI).

What is this Project?

The Port of Long Beach replaced 3 uncontrolled tiered RTG cranes with hybrid RTG cranes that have significantly smaller Tier 4 engines, which will operate full-time within the South Coast air basin.

Why is this Important?

Exposure to diesel exhaust is associated with decreased lung function and can also exacerbate the symptoms of asthma, bronchitis and pneumonia. By replacing older, higher-emitting cargo handling equipment, this project reduces human exposure to diesel emissions and therefore negative health effects associated with diesel exposure. The South coast Air basin is designated by US EPA as an air toxics assessment area where much of the population is exposed to more than 2.0 µg/m³ of diesel particulate matter emissions. The South Coast air basin continues to face significant air quality challenges and remains in non-attainment for ozone and particulate matter. People living in the census tracts surrounding the Port of Long Beach face an increased risk of cancer, asthma, birth defects, and decreased lung function.

Who are the Partners?

This project was administered by COLBHD, a city agency with jurisdiction over the Port of Long Beach. COLBHD received the DERA grant award through the WCC and distributed the grant funds to project partner TTI. COLBHD was responsible for oversight and reporting for the project.

*Estimated air emission reductions over the remaining lifetimes of these engines.

For more information about this project, contact the U.S. EPA Kimberly Mak, mak.kimberly@epa.gov or 415 947 4155.

For more information on the Collaborative, visit www.westcoastcollaborative.org