



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 2021: Replacing a Diesel Switcher Locomotive to a Zero Emissions Switcher Locomotive



Where:
South Coast Air Basin, CA



Grantee:
City of Los Angeles,
Harbor Department



Replacing:
1 Switcher Locomotive



Funding:
\$2,025,000 U.S. EPA's DERA
\$2,475,000 Matched



Emissions Reduced:*
4 tons of PM_{2.5}
122 tons of NO_x
23 tons of CO
12 tons of HC



What is the Collaborative?
The West Coast 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 City of Los Angeles, Harbor Department's (LAHD) receipt of a U.S. Environmental Protection Agency (U.S. EPA) Diesel Emissions Reduction Act (DERA) National Grant to replace an existing Tier 0+ switcher locomotive operating at switch yards located in the South Coast Air Basin. This project will be implemented using \$2,025,000 in DERA grant funding combined with \$2,475,000 in matching cost-share funds from the LAHD and project partner.

What is this Project?

Los Angeles Harbor Department (LAHD) in partnership with Union Pacific (UP) will replace an existing Tier 0+ switcher locomotive with a switcher locomotive that uses battery electric technology. The project will be located at the UP Intermodal Container Transfer Facility (ICTF), which serves the San Pedro Bay Ports in Los Angeles County, and the West Colton Yard in San Bernardino County

Why is this Project Important?

Exposure to diesel exhaust is associated with decreased lung function and can also exacerbate the symptoms of asthma, bronchitis and pneumonia. People living in communities around ports face an increased risk of cancer, asthma, birth defects, and decreased lung function. By reducing emissions from the diesel switcher locomotive, this project will improve air quality and directly benefit minority and low-income communities that surround the Port of Los Angeles, UP ICTF and UP West Colton yard. Communities surrounding the Port of Los Angeles and rail yards in Southern California are the closest to where the pollution is emitted by diesel equipment and locomotives that support goods movement.

Who are the Project Partners?

This project will be administered by the LAHD, a local government agency that is the Port Authority with jurisdiction over transportation and environmental issues for the Port of Los Angeles. LAHD received this DERA grant through the Collaborative and will distribute these grant funds to UP. LAHD will be responsible for all data monitoring and reporting.

*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.