

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 funding assistance to upgrade high polluting diesel fueled engines, vehicles, and equipment with cost effective and cleaner emission control technologies.

DERA National 2017: Ultra-Low NOx Drayage Truck Trade Up Project



Where:
Southern California
Puget Sound, Washington



Grantee:
South Coast Air Quality
Management District



Replacing:
18 diesel drayage trucks



Funding:
\$835,554 U.S. EPA DERA
\$981,416 Fleet Cost-Share



Lifetime Reductions: *
37 tons of NO_x
0.9 ton of PM_{2.5}
1.1 ton of HC
8.7 tons of CO
2,314 tons of CO₂
793,697 gallons of diesel



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 South Coast Air Quality Management District's (SCAQMD's) completion of a U.S. Environmental Protection Agency (U.S. EPA) Diesel Emissions Reduction Act (DERA) National Grant to replace heavy-duty diesel trucks. This project was implemented using \$835,554 in DERA grant funding combined with \$981,416 in cost-share funds from participating fleets.

What is this Project?

This project replaced nine 2012-2014 heavy-duty diesel drayage trucks with 2018 trucks powered by compressed natural gas (CNG) engines certified to meet the California Air Resources Board's (CARB's) Optional Low NOx emission standard of 0.02 g/bhp-hr (90% cleaner). The 2012+ trucks were transferred to the Washington State to replace nine model year 1996–2006 heavy-duty diesel drayage trucks, which were then scrapped.

Why is this Important?

Exposure to diesel exhaust has been associated with decreased lung function and retarded lung development and can also exacerbate the symptoms of asthma, bronchitis, and pneumonia. This project will reduce human exposure to diesel emissions as well as the negative health effects associated with exposure. The target fleets were comprised of drayage trucks operating in California's Los Angeles and San Bernardino counties, and Washington's King and Pierce counties. These counties are disproportionately impacted by heavy-duty diesel traffic along the major transport corridors, as well as by goods movement operations at ports, rail yards, warehouses, and distribution centers.

Who are the Partners?

The project was led by SCAQMD, a regional agency with jurisdiction over air quality in California's South Coast Air Basin, in partnership with the Puget Sound Clean Air Agency (PSCAA) and participating trucking fleets. SCAQMD received the DERA grant award through the WCC and distributed the grant funds to PSCAA and participating truck fleets. SCAQMD was responsible for data monitoring and reporting for the project.

*Estimated reductions over the remaining lifetimes of project engines.