



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 engines, vehicles and equipment with cost-effective emission control technologies.

DERA National 2021: Reducing Heavy-Duty Truck Emissions in the San Joaquin Valley, CA



Where:
San Joaquin Valley, CA



Grantee:
San Joaquin Valley Unified Air Pollution District



Replacing:
33 heavy-duty diesel trucks



Funding:
\$2,806,448 U.S. EPA's DERA
\$4,886,226 Matched



Emission Reductions:*
7 tons of PM_{2.5}
96 short tons of NO_x
6 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 San Joaquin Valley Unified Air Pollution Control District's (SJVUAPCD) receipt of a U.S. Environmental Protection Agency (U.S. EPA) Diesel Emissions Reduction Act (DERA) National Grant to replace nonroad agricultural equipment operating in the San Joaquin Valley. This project will be implemented using \$2,806,448 in DERA grant funding combined with \$4,886,226 in matching funds from the SJVUAPCD and participating fleets.

What is this Project?

This project will replace 33 2016 and older engine model year, class 5 through 8 heavy-duty diesel trucks in the San Joaquin Valley. These new trucks will be powered by 2019 or newer model year engines that meet or exceed the California Air Resources Board Low-NOx emissions standard of 0.02 grams per brake horsepower-hour (g/bhp-hr) oxides of nitrogen (NOx).

Why is this Project Important?

With some of the poorest air quality in the nation, the San Joaquin Valley faces significant air quality challenges now and into the future. Exposure to diesel exhaust is associated with decreased lung function and can also exacerbate the symptoms of asthma, bronchitis and pneumonia. This funding targets diesel trucks that transport products primarily within the San Joaquin Valley to local businesses and residences. To date, heavy-duty diesel trucks are the greatest source of oxides of nitrogen (NOx) emissions within the Valley, which contribute to the formation of ground-level ozone and particulate matter (PM). By replacing older, higher-emitting diesel-fueled trucks, this project reduces human exposure to diesel emissions and therefore negative health effects associated with diesel exposure.

Who are the project Partners?

This project will be administered by the SJVUAPCD, a regional agency with jurisdiction over air quality in the San Joaquin Valley Air Basin. SJVUAPCD received this DERA grant through the Collaborative and will distribute these grant funds to participating truck fleets. SJVUAPCD will be responsible for all data monitoring and reporting.

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