



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: Replacing Diesel Agricultural Equipment in the San Joaquin Valley, CA



Where:

San Joaquin Valley, CA



Grantee:

San Joaquin Valley Unified Air Pollution District



Replacing:

73 diesel-powered agricultural tractors



Funding:

\$2,789,518 U.S. EPA's DERA
\$7,845,519 Matched



Emission Reductions:*

39 tons of PM_{2.5}
316 short tons of NO_x
92 tons of CO
15 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 \$2,789,518 in DERA grant funding combined with \$7,845,519 in matching funds from the SJVUAPCD and participating fleets.

What is this Project?

This project will replace 73 diesel-powered agricultural tractors operating in the San Joaquin Valley with new diesel agricultural equipment with Tier 4 or cleaner engines. These cleaner engines will greatly reduce the amount of air pollution that was emitted by the older, less efficient nonroad equipment. These tractors will be owned by various farmers and used throughout the San Joaquin Valley as part of regular agricultural operations.

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. By replacing older, higher-emitting diesel-fueled agricultural tractors, this project reduces human exposure to diesel emissions and therefore negative health effects associated with diesel exposure. The San Joaquin Valley is one of the most agriculturally diverse and productive regions in the world. Due to the area's unique topographical and meteorological conditions, it also has some of the poorest air quality areas in the nation. In the Valley, agriculture is this region's main economic foundation, but many of the farms here still operate tractors that are 25 or more years old with engines that do not have any emissions controls.

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 agricultural fleets. SJVUAPCD will be responsible for all data monitoring and reporting.

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