



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: Electrifying Agricultural Distribution Yard Trucks in the San Joaquin Valley, CA



Where:

San Joaquin Valley, CA



Grantee:

San Joaquin Valley Unified Air Pollution District



Replacing:

17 diesel-powered agricultural yard trucks



Funding:

\$2,368,987 U.S. EPA's DERA
\$3,095,881 Matched funds



Lifetime Emissions Reduced:*

4.63 tons of PM_{2.5}
69.68 tons of NO_x
26.66 tons of CO
4.42 tons of HC
34,788 tons of 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 San Joaquin Valley Unified Air Pollution Control District's (SJVUAPCD) completion of a 2019 U.S. Environmental Protection Agency (U.S. EPA) Diesel Emissions Reduction Act (DERA) National Grant. These funds supported the replacement of diesel-powered yard trucks used at agricultural distribution centers with zero-emission battery electric vehicles. The project was implemented using \$2,368,987 in DERA grant funding combined with \$3,095,881 in matching funds from the SJVUAPCD and participating fleets.

What is this Project?

This project successfully replaced 17 diesel-powered yard tractors operating at agricultural distribution centers in the San Joaquin Valley with new zero-emission battery electric vehicles.

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 diesel-fueled equipment, 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 diesel-powered equipment that are 25 or more years old.

Who are the 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 fleets. SJVUAPCD will be responsible for the oversight and implementation of the grant.

• Estimated air emission reductions over the lifetimes of these engines.
For more information about this project, contact the U.S. EPA Dana Mayfield, mayfield.dana@epa.gov or 415-972-3008.
For more information on the Collaborative, visit www.westcoastcollaborative.org