



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: Columbia Willamette Clean Cities Coalition Electrification of Transport Refrigeration in Arizona



Where:

Maricopa County, AZ



Grantee:

Columbia-Willamette Clean Cities Coalition



Activities:

Replacing 1 diesel yard truck and 7 diesel insulated refrigerated trailers and TRUs.
Install 108 electrified parking spaces



Funding:

\$1,380,770 U.S. EPA's DERA
\$1,960,128 Matched



Emission Reductions:*

5 tons of PM_{2.5}
135 short tons of NO_x



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 Columbia-Willamette Clean Cities Coalition's (CWCCC) receipt of a U.S. Environmental Protection Agency (U.S. EPA) Diesel Emissions Reduction Act (DERA) National Grant to electrify transport refrigeration in Maricopa County in Arizona. This project will be implemented using **\$1,380,770 in DERA grant funding** combined with **\$1,960,128 in matching funds** from the project partners.

What is this Project?

Columbia-Willamette Clean Cities Coalition (CWCCC) received \$1,380,770 to replace one diesel yard truck, seven diesel insulated refrigerated trailers and truck transport refrigeration units (TRU) with one electric yard truck, seven all-electric refrigerated trailers and truck TRUs, and install 108 electrified parking spaces to support existing and planned TRUs capable of plugging into grid-supplied electricity when parked. These projects will be implemented throughout Maricopa County via a partnership between CWCCC, McLane Company, KeHE Distribution, and Papa John's. The funds will be combined with \$1,960,128 in leveraged funds from CWCCC and participating partners.

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 diesel-only refrigerated trailers and yard truck with all-electric variants and installing idle reduction electrified parking spot technology, the proposed emission reduction projects will have positive impacts not only in improving localized air quality in the immediate vicinity of the site facilities, but also catalyze industry adoption of zero emission technologies.

Who are the project Partners?

This project will be administered by the CWCCC, a regional, 501(c)(3) non-profit dedicated to incentivizing clean air and alternative fuel initiatives. CWCCC received the DERA grant award through the WCC and will distribute the grant funds to McLane, KeHE and Papa John's. CWCCC will be responsible for data monitoring and reporting for the project.