



## WEST COAST COLLABORATIVE

A public-private partnership to reduce diesel emissions

The goal of the Collaborative is to leverage federal funds to strategically reduce emissions from the most polluting diesel sources in impacted communities. The Collaborative seeks to improve air quality and public health by targeting the highest polluting engines with the most cost effective control strategies.

# DERA 2019: Columbia Willamette Clean Cities Coalition – Electrification of Transport Refrigeration in the Pacific Northwest

Under the Diesel Emission Reduction Act (DERA), the EPA awarded the Columbia Willamette Clean Cities Coalition (CWCCC) a \$504,606 grant with Fiscal Year 2019 funding. DERA funds will be used to replace diesel-only powered refrigerated trailers with zero-emission battery electric-solar refrigerated trailers.

### What is the Project?

The Columbia-Willamette Clean Cities Coalition (CWCCC) will replace a total of four (4) diesel-only powered refrigerated trailers with zero-emission all-electric refrigerated trailers with solar panels. In addition, CWCCC will install a total of thirty (30) electrified parking spaces to support existing and planned trailer refrigeration units (TRUs) capable of plugging into grid-supplied electricity when parked.

CWCCC is partnering with three fleets for a range of electrified refrigeration: DPI Specialty Foods, Pacific Coast Fruit Co., and Utility Trailer & Equipment Sales NW.

### Why is this Project Important?

This project maximizes health benefits by reducing diesel particulate matter in goods movement throughout the Portland Metropolitan Area, the Upper Willamette Valley, and in areas with sensitive and minority populations disproportionately impacted by diesel exhaust relative to other parts of Oregon.

### What are the Estimated Environmental Benefits?

CWCCC, with its partners, is committed to tracking, measuring, and reporting progress towards quickly reducing diesel emissions. The project's expected emissions reductions are calculated at 1.154 tons of nitrogen oxides (NOx); 0.111 tons of particulate matter 2.5 (PM<sub>2.5</sub>); 0.071 tons of hydrocarbons (HC), 0.455 tons of carbon monoxide (CO), and 167.6 tons of carbon dioxide (CO<sub>2</sub>).

### How is this Project Funded?

The West Coast Collaborative is a partnership between leaders from federal, tribal, state, and local government, the private sector, and environmental groups committed to reducing diesel emissions along the West Coast and is part of the National Clean Diesel Campaign: [www.epa.gov/cleandiesel](http://www.epa.gov/cleandiesel).

### Where can I find more information?

For more information on the West Coast Collaborative, please visit our website at: [www.westcoastcollaborative.org](http://www.westcoastcollaborative.org). For more information about this project, please contact Lucita Valiere at [valiere.lucita@epa.gov](mailto:valiere.lucita@epa.gov)