



## 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.

# National DERA 2020: Columbia Corridor Association – Old Switch Locomotive Replacement

Under the Diesel Emission Reduction Act (DERA), the U.S. Environmental Protection Agency (EPA) awarded the Columbia Corridor Association (CCA), a \$348,320 grant with Fiscal Year 2020 National DERA funding. The Columbia Corridor Association (CCA), in partnership with EVRAZ Portland, will replace a switch locomotive used in its industrial facility in north Portland, Oregon, with a Tier 4 locomotive. The FY20 project will be implemented with a mandatory cost share of \$937,500 by CCA, for a total project cost of \$1,285,820.

### What is the Project?

The Columbia Corridor Association (CCA) will partner with EVRAZ to replace an old switch locomotive with a more efficient Tier 4 locomotive, providing functionally identical services in the movement of goods in and out of the industrial facility. This locomotive will support the transfer of raw materials and finished materials shipped by rail to and from the facility.

### Why is this Project Important?

Locomotive replacement is the best option for EVRAZ for several reasons: 1.) Lower respirable emissions associated with the operation of the newer locomotive; 2.) updated technology package will improve and enhance the operation of the locomotive; 3.) fuel consumption reduced by 2/3 and cost effective.

### What are the Estimated Environmental Benefits?

Columbia Corridor Association through its partnership with EVRAZ, anticipate significant reductions in diesel emissions based on EPA's verified emission annual / lifetime reduction estimations, using the Diesel Emission Quantifier. The FY2020 locomotive replacement will reduce pollution of NOx by 9.23 / 46.22 tons, PM2.5 by 0.2 / 0.99 tons, hydrocarbons by 0.53 / 2.65 tons, carbon monoxide by 0.5 / 2.5 tons, carbon dioxide by 173.1 / 865.7 tons; and black carbon by 450 / 2,227.5 tons.

### 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).