



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.

Puget Sound Clean Air Agency (PSCAA) – Sound Transit, WA Locomotive Engine Upgrade Project

Under the 2012 National Clean Diesel Funding Assistance Program, the EPA West Coast Collaborative awarded the Puget Sound Clean Air Agency a \$1,200,000 grant to reduce diesel pollution by repowering locomotive engines in partnership with Sound Transit.

What is the Sound Transit Locomotive Engine Upgrade Project?

Sound Transit's commuter rail service, the *Sounder*, travels between Tacoma and Seattle and between Everett and Seattle during peak commute hours and select weekend events. The project will upgrade high polluting engines on two commuter rail locomotives to meet EPA-certified Tier 3 clean engine standards. Upgrading the engines is a cost effective method of achieving significant emission reductions since new locomotives would cost five times more without providing additional emission reductions.

Why is this project important?

The project reduces diesel pollution in the Tacoma-Pierce County PM2.5 nonattainment area. The Sound Transit Locomotive Engine Upgrade Project provides long-lasting emission reductions and public health benefits in this area of high population density, poor air quality, and heavy diesel fleet activity. Diesel emissions will be reduced by upgrading old engine technology with newer, EPA-certified engine upgrade kits, which are more fuel-efficient and have better emission control technology. The engine upgrades are expected to extend the life of the locomotives 25 years.

What are the estimated environmental benefits?

The Sound Transit project will reduce annual emission of CO2 by 22.20 tons; NOx by 34.07 tons; HC by 3.12 tons; and PM2.5 by 2.27 tons.

How is this project funded?

Through EPA and 2012 National Clean Diesel Funding Assistance Program, the West Coast Collaborative is providing \$1,200,000 in funds in support of this project. Sound Transit is providing a mandatory match of over \$1,480,125.

Who are the partners on this project?

The project is a partnership between the Puget Sound Clean Air Agency and Sound Transit.

What is the Collaborative?

The West Coast Collaborative is a partnership between leaders from federal, state, and local government, the private sector, and environmental groups committed to reducing diesel emissions in Alaska, Arizona, California, Hawaii, Idaho, Nevada, Oregon, Pacific Island Territories, Washington, Canada and Mexico. The West Coast Collaborative is one of several regional collaborative efforts contributing to EPA's National Clean Diesel Campaign: www.epa.gov/cleandiesel. For more information, on the West Coast Collaborative, please visit our website at www.westcoastcollaborative.org.

How can I find out more about the Collaborative?

For more information about this project or the West Coast Collaborative Rail Sector, please visit our website or contact Trina Martynowicz, Rail Sector Lead, at martynowicz.trina@epa.gov or 415-972-3474.