



WEST COAST COLLABORATIVE

A public-private partnership to reduce diesel emissions



American Recovery and Reinvestment Act: Port of Tacoma Shorepower Project

The West Coast Collaborative is pleased to announce that EPA has selected the Port of Tacoma and its Ocean Going Vessel Shorepower Project for \$1,488,080 in EPA funding. The project will be implemented with an additional \$1,101,303 in leveraged matching funds.

What is the Shorepower Project?

This project will reduce diesel emissions and greenhouse gas emissions by retrofitting two ocean-going vessels and adding certified ship-side technology and installation of a shore-side connection system and alternative maritime power at the Totem Ocean Trailer Express (TOTE) Terminal at the Port of Tacoma.

Why is this project important?

The above-mentioned vessel and shore-side technologies will reduce diesel particulate matter (DPM), NOx and greenhouse gas emissions (carbon dioxide) by an estimated 90% for at-berth vessels by eliminating idling at the terminal. The project will improve air quality and human health along goods movement corridors in the NW and will also reduce climate pollution and its associated long-term negative effects.

Additionally, the project will also help create or sustain an estimated 50 manufacturing and local installation jobs and will help a Northwest shipping line decrease its operating costs and stay economically competitive in a difficult business environment. The project will save an estimated 225,000 gallons of bunker fuel annually and the estimated remaining useful lifetime for the vessels is 24 years.



Pictured left to right: Mike Boyer, Dept of Ecology; Craig Hooks, EPA; Frank Van Heron, Dept of Ecology; Ron Stuart, Port of Tacoma; and Cathy Reese, EPA. Behind is a TOTE yard Hostler which has been retrofitted with a Diesel Multistage Filter (DMF-CARB level 2) and extra thick heat shield.

What are the estimated environmental benefits?

The Port of Tacoma Shorepower project will reduce the emissions of diesel particulate matter and fine particulates from the hotelling of ocean-going vessels by 3.4 tons, annually. It will also reduce NOx emissions by 24.5 tons, carbon monoxide emissions by 2.1 tons and hydrocarbon emissions by over 0.8 tons. The project will reduce carbon dioxide, a greenhouse gas, by over 1,360 tons annually.

How is this project funded?

Through EPA and the American Reinvestment and Recovery Act, the West Coast Collaborative is providing \$1,488,080 in funds in support of this project. An additional \$1,101,303 will be provided in leveraged matching funds from the partners.

Who are the partners on this project?

The project is led by the Port of Tacoma, in partnership with Totem Ocean Trailer Express (TOTE).

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 along the West Coast and is part of the 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 about the Ports and Marine Vessels Sector in general, please contact Francisco Doñez: denez.francisco@epa.gov.