



WEST COAST COLLABORATIVE

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.

I-5 Truck Idle Reduction Project Fact Sheet

What will this project accomplish?

The I-5 Truck Idle Reduction Project is a joint effort of the Collaborative, EPA's SmartWay Transport Partnership, The Climate Trust, and the West Coast Governors' Global Warming Initiative to reduce idling along the I-5 corridor. Three new truck stop electrification projects along the West Coast and a program to install on-board power systems are some of the first steps toward reaching that goal.

Why is this important?

When truck drivers stop for their mandatory rest periods, they often leave their engines running (idling) so they can heat and cool their sleeping areas and operate other vehicle systems. This idling generates unnecessary diesel emissions and raises overall transportation costs by increasing fuel consumption. Nationally, about 500,000 long haul trucks idle their engines for extended periods. On average, truck drivers idle their engines about 8 hours per day for more than 300 days per year. Long duration truck idling consumes approximately 960 million gallons of diesel fuel annually. In addition, it emits 11 million tons of carbon dioxide, 180,000 tons of nitrogen oxides and 5,000 tons of particulate matter each year.

What are the environmental benefits of idle reduction?

Reducing unnecessary idling improves air quality and saves companies money by saving fuel. By 2012, the SmartWay Transport Partnership aims to reduce between 33 - 66 million metric tons of carbon dioxide emissions and up to 200,000 tons of nitrogen oxide emissions per year. The initiative also saves up to 150 million barrels of oil annually.

What public health issues are associated with diesel exhaust?

Emissions from diesel engines contribute to unhealthy levels of fine particles and ozone (or "smog") as well as air toxics. Fine particles have been associated with an increased risk of premature death, hospital admissions for heart and lung disease, increased respiratory symptoms and other adverse health effects. Long-term exposure to diesel exhaust may pose a lung cancer hazard to humans.

How is this project funded?

The SmartWay Transport Partnership and EPA Regions 9 and 10 are providing the following support:

- \$200,000 for projects in Oregon
- \$100,000 for projects in Washington
- \$100,000 for projects in California

Additional funds are being provided by the following organizations:

- ~\$2,200,000 from The Climate Trust for projects in Oregon and Washington
- ~\$2,300,000 from the Oregon Business Energy Tax Credit Program
- ~\$1,400,000 from the Oregon Office of Energy Loan Program
- ~\$100,000 from the Washington Department of Ecology
- ~\$100,000 from the South Coast Air Quality Management District

What is the SmartWay Transport Partnership?

SmartWay is a national voluntary partnership between the freight industry and EPA that establishes incentives for fuel efficiency improvements and air pollution reductions. A key component of the SmartWay Transport Partnership aims to eliminate unnecessary truck and rail idling by developing a nationwide network of idle-reduction options along major transportation corridors. SmartWay aims to reduce emissions at truck stops, travel centers, distribution hubs, rail switch yards, borders, ports, and even along the side of the road.

What is The Climate Trust?

The Climate Trust is a leading non-profit organization that promotes climate change solutions by providing high quality greenhouse gas offset projects and advancing sound offset policy. Through partnerships, The Climate Trust has offset more than 1.9 million metric tons of carbon dioxide from 4.9 million invested into offset projects – making it one of the largest and most experienced offset buyers in the U.S. and world markets.

How can I get more information?

For more information about SmartWay, visit: www.epa.gov/smartway

For more information about the West Coast Collaborative, visit www.westcoastcollaborative.org, or contact Peter Murchie (murchie.peter@epa.gov; 503-236-6554).