

### *What is SmartWay<sup>SM</sup> Transport?*

SmartWay Transport is the US Environmental Protection Agency's flagship program to increase the energy efficiency of the transportation system in order to reduce greenhouse gas emissions and air pollution. SmartWay Transport is comprised of six core components:

**SmartWay Transport Partnership:** A collaboration among freight shippers, carriers, and logistics companies to reduce environmental impacts.

**SmartWay Tractors and Trailers:** A labeling and recognition program for tractors and trailers that meet the highest standards of environmental performance.

**SmartWay Innovative Financing Program:** A creative program that helps companies acquire fuel-efficient, low-pollution technologies through easier access to financial mechanisms such as reduced-interest loans with flexible terms.

**SmartWay Technology Assessment:** A testing and verification program designed to assess the environmental performance of vehicles, fuels, and products.

**SmartWay Grow and Go:** a program promoting the environmental benefits of renewable fuels.

**SmartWay National Idle-Free Corridors Program:** A strategic alliance designed to eliminate all unnecessary long-duration truck and locomotive idling at strategic points along major transportation corridors.



### **What is the environmental impact of ground freight transportation?**

Delivery of goods by trucks and rail currently accounts for:

- 11 billion tons of goods moved;
- 35 billion gallons of diesel fuel consumed;
- 350 million metric tons of CO<sub>2</sub> generated; and
- 20 percent of all energy consumed by the transportation sector.

In addition, ground freight contributes about 40 percent of the nitrogen oxide (NO<sub>x</sub>) emissions from transportation sources, accounts for approximately 31 percent of the particulate matter (PM) emissions from transportation sources, and is a major source of greenhouse gases, responsible for approximately 20 percent of carbon dioxide (CO<sub>2</sub>) emissions from transportation sources.

Truck and locomotive idling consumes over 1 billion gallons of diesel fuel per year and emits 11 million tons of CO<sub>2</sub>, 200,000 tons of NO<sub>x</sub> and 5,000 tons of PM each year. A typical long-haul combination truck could idle up to 2,400 hours per year, using over 1,900 gallons of fuel.

### **What is the SmartWay Transport Partnership?**

The SmartWay Transport Partnership, introduced on February 9, 2004, is an innovative collaboration between the US Environmental Protection Agency and the freight industry designed to implement creative approaches to reducing the energy and environmental impact of transport. The Partnership currently focuses on freight (e.g., truck, rail, and marine) transport.

### **What are the goals of the Partnership?**

The goals of the SmartWay Transport Partnership are to increase the use of fuel efficiency technologies and strategies that lower emissions and reduce adverse environmental impacts while helping freight companies save money. Specifically, the Partnership lowers emissions of carbon dioxide (CO<sub>2</sub>), nitrogen oxides (NO<sub>x</sub>), particulate matter (PM) and greenhouse gases.

By 2012, SmartWay Partners could save between 3.3 and 6.6 billion gallons of fuel per year (equivalent to 150 million barrels of oil or 12 million cars off the road).

### **Who can participate in the Partnership?**

Any company involved with freight transport can join the Partnership at no cost, including:

**Shippers:** companies that manufacture or sell merchandise and ship those goods to distribution centers or retail facilities.

**Carriers:** companies that own and operate freight trucks or locomotives that are hired to transport materials or merchandise; these include truck and rail companies as well as “shipper-carriers”—companies that ship their merchandise using their own private fleets.

**Logistics Companies:** companies that are hired to facilitate the packaging and shipping of goods.

**Truck Stops/ Travel Plazas:** facilities designed to provide rest and refueling areas for truck drivers

**Affiliates:** organizations and companies that promote the goals and benefits of SmartWay and encourage participation.

## What does it mean to be a SmartWay Transport Partner?

Companies that join the SmartWay Transport Partnership commit to:

- Assess the environmental performance of their current operations using EPA's Freight Logistics Environmental and Energy Tracking (FLEET) Performance Models;
- Identify a three-year goal to improve their environmental performance;
- Develop a plan detailing how the goal will be achieved; and
- Report their progress annually to EPA.

## How do Partners reduce fuel consumption and emissions?

Carriers commit to integrate cost-saving, fuel efficient technologies and strategies such as:

- Idle reduction
- Improved aerodynamics
- Improved freight logistics
- Automatic tire inflation systems
- Fuel-efficient driver training
- Renewable fuels
- Advanced lubricants
- Advanced powertrain technologies
- Low-rolling resistant tires

Shippers commit to use SmartWay carriers, and can modify their facilities and trailers to improve efficiency and reduce emissions:

- Intermodal shipping
- Pick-up and delivery scheduling
- Full truck loads
- Preferential docking
- Warehouse improvements
- Electric forklifts
- Driver comfort stations
- Idle-reduction at docks
- Improved aerodynamics and tires on trailers

## What are the benefits of joining the Partnership?

Here are just some of the ways participating in the SmartWay Transport Partnership can benefit companies and organizations:

- Savings from reduced fuel consumption;
- Assistance in assessing environmental impact;
- Use of the SmartWay Transport Partner logo in corporate communications (by qualified partners); and
- Awards, publicity, and recognition for environmentally responsible behaviors.

## How many companies and organizations have joined the Partnership?

As of August, 2007, there are nearly 600 SmartWay Transport Partners, operating 300,000 freight trucks and 500,000 trailers.

## What is SmartWay Grow & Go?

SmartWay Grow & Go is a program developed to promote the environmental benefits of renewable fuels. The program will support the administration's goal of reducing U.S. dependency on foreign oil and help improve our environment.

## What are the goals of SmartWay Grow & Go?

By working with our current and prospective SmartWay Transport partners, the SmartWay Grow & Go program aims to promote the environmental benefits of renewable fuels. By 2012, EPA's goal is to have 25 percent of our SmartWay Partners committed to using renewable fuels, and by 2020 to have 50 percent of our partners committed to using renewable fuels.

Through SmartWay Grow & Go, EPA and its partners will expand technical information about renewable fuels (specifically E85 and biodiesel) and increase public awareness of their environmental benefits. In addition, EPA will work with our federal partners and others to clarify and streamline the regulatory framework, which will remove barriers to the increased use of quality renewable fuels.