The SmartWay Transport Partnership

- Partnership between EPA and freight transport industry to conserve fuel and reduce emissions.
- Launched in 2004, we now have 2600 Partners committed to increasing efficiency and reducing emissions.
  - Partners include truck and rail operators, freight shippers, logistics companies, technology vendors and manufacturers, trucks stops, ports, banks, dealer and service centers.
  - Since joining the program, partners have saved 14.7 million metric tons CO₂ and 1.5 billion gallons of diesel fuel (~$3.6B in fuel costs).
- Capitalizing on shipper-carrier relationship to promote cost-effective emission reduction strategies.
How Does The Partnership Work?

**Shippers:**
- Top of the supply chain, drive marketplace demand
- Agree to do at least 50% of their business with SmartWay Carriers
- Get better data to improve their own shipping operations
- Modify logistics operations to improve efficiency & reduce emissions, for example:
  - Inter-modal Shipping
  - Full Truck Loads
  - Warehouse Improvements
  - Idle-Reduction at facilities
- Get recognition and PR value with SmartWay brand

**Carriers:**
- Gain competitive advantage:
  - Preferred status, plus
  - Fuel efficiency, savings
- Set emissions reduction goals
- Agree to integrate fuel saving technologies and strategies into fleets, such as:
  - Idle Reduction
  - Improved Aerodynamics
  - Efficient Tire Systems
  - Driver Training
  - Renewable Fuels
  - Advanced Lubricants
- Get recognition and PR value with SmartWay brand

- Cars & Light Trucks: 54%
- Heavy-Duty Trucks: 18%
- Aviation: 11%
- Nonroad: 8%
- Marine: 5%
- Rail: 3%
- Pipelines: 1%

SmartWay
SmartWay Partner Reporting Requirements

- SmartWay has saved 14.7 million metric tons CO₂ and 1.5 billion gallons of diesel fuel
- SmartWay uses annual partner results to calculate GHG emission reductions and fuel savings
- Partners agree to report annual fuel consumption, vehicle miles traveled and payload
  - Results subject to EPA audit
  - Failure to report leads to warning letters and removal
- SmartWay vendors report equipment sales
- Results reported to:
  - OMB Program Assessment Rating Tool
  - EPA Strategic Plan
  - EPA Annual Commitment System
Technology Program Overview

- Program consists of
  - Equipment verification and certification
  - Development of testing protocols for use in voluntary performance standards
  - Testing program

- Supports Partnership program
  - Internal and external technical support
  - Technical e-mail center handles about 25-35 inquiries/week

- Works closely with
  - Society of Automotive Engineers (SAE)
  - International Organization for Standards (ISO)
  - State governments
  - National Academies of Sciences (NAS)

- Recognized as leader in test protocol development and verification
  - Verification used as basis for DERA /ARRA grant distribution
  - California uses SmartWay verification and certification in their GHG rules
  - Peer reviewed publications
SmartWay Truck

Potential fuel savings – 10% - 20% (on-highway operation) compared to a truck without these features
SmartWay Finance Program

- Aims to accelerate the deployment of energy-efficient and emission-control technologies by helping truck owners overcome financial obstacles.
  - Strong focus on smaller trucking fleets who lack access to capital.

- SmartWay Finance grants
  - Low cost loan and lease programs funded through congressional appropriations.
    - Focus on improving air quality while providing GHG co-benefits.
    - Loan program funds can be “recycled” multiple times – increasing public benefits.
    - Awarded nearly $33.4M to date; expect to award additional $13.5M this year.

- SmartWay on-line Finance Center
  www.smartwayfinancecenter.com
  - Web portal where private lenders compete to provide capital to trucking fleets for fuel-efficient technologies.