

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:

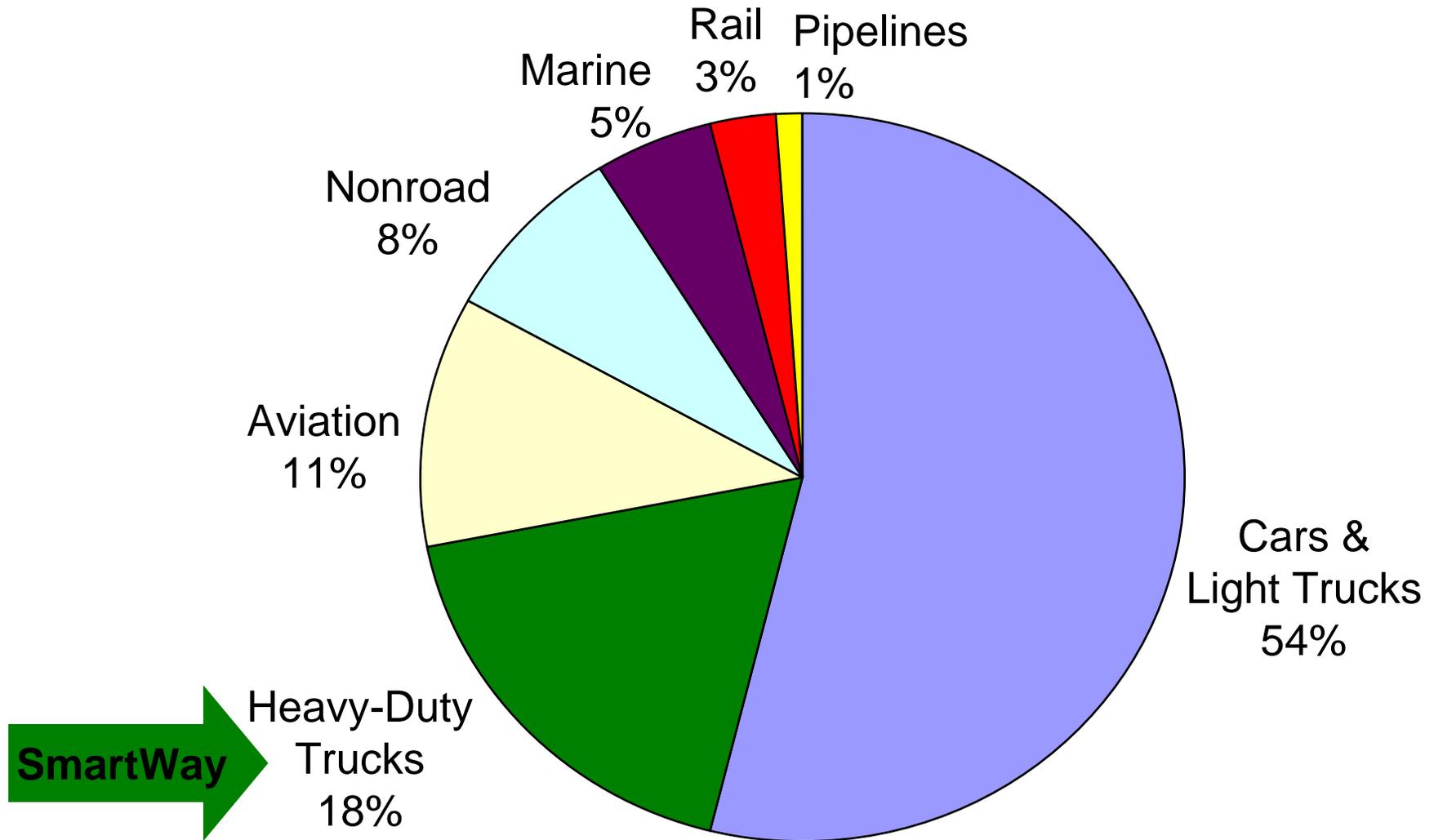
- Top of the supply chain, drive marketplace demand
- Agree to do at least 50% of their business with SmartWay Carriers
- Get better data to improve their own shipping operations
- Modify logistics operations to improve efficiency & reduce emissions, for example:
 - Inter-modal Shipping
 - Full Truck 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



U.S. Transportation GHG Emissions (2006)





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.

