

SmartWay: Addressing the Legacy Fleet and Supply Chains

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Overview

- *SmartWay Transport Partnership* is a collaboration between EPA and the supply chain sector, designed to increase energy efficiency and cut fuel costs while reducing GHGs and air pollution. SmartWay Transport Partners adopt fuel-saving strategies that help with the bottom line and reduce emissions
- Objectives
 - Reduction in fuel use/ contribute to energy savings & national security
 - Reduce criteria air pollutants (NO_x and PM)
 - Greenhouse gas reductions

→ Prior to SmartWay, there was no single comprehensive and integrated way for companies to assess, track and reduce energy use and emissions from goods movement

How the Program Works

- SmartWay encourages technical innovation in goods movement by providing technical information and assessment tools to truck carriers and their customers
- Trucking companies that upgrade freight operations save fuel and money, while reducing energy use and air pollution
- SmartWay also provides access to capital through grants and loans, so trucking fleets can purchase cleaner more efficient trucks and equipment
- Product shippers can make energy efficiency and environmental stewardship explicit considerations when choosing how to move their goods

Program Highlights

- Rolled out on February 9, 2004 with support of the trucking industry and their freight shipping customers (large retailers)
 - 50 initial partners including 15 Charter Partners
- Has grown to 2,900 members
- SmartWay partners have saved 50 million barrels of oil
 - Significant contribution to US energy independence
 - \$6.1 billion dollars in fuel costs
 - Equivalent to 3 million cars off the road for an entire year
- Program also achieves clean air goals
 - 16.5 MMT CO₂; 235,000 tons NO_x, 9,000 tons PM reduced

SmartWay Partner Growth



Other Program Achievements

- Testing and verification program to identify fuel efficient vehicles and devices
- Innovative finance projects under DERA expand access to capital especially for smaller fleets
 - \$3.4M in 2008, \$30M in ARRA, and \$13.5M in 2009/2010
- International role model
 - China project, interest from IADB, UN learning center
- SIP guidance to include SmartWay strategies in air quality planning
- Public outreach and education campaigns

Stakeholder Engagement

- As SmartWay grew, EPA continued to engage partners and outside stakeholders
- Positive feedback on program to date
 - Ongoing partner interaction
 - Partner meetings in 2008
 - MIT report in 2009
 - NAS study in 2010 (cited SmartWay)
 - American Shipper brief and CEC report in 2011
- Stakeholder engagement helps EPA chart SmartWay's future direction
 - Build upon technical expertise
 - Evolve carbon accounting across the supply chain
 - Target persistent air quality challenges – e.g., port drayage trucks
 - Plan for future program growth

Next Steps

- Announce SmartWay Port Drayage program in June
- Update SmartWay web site for improved navigation this spring
- Announce roll-out of updated tools this summer
- Form MSTRS work group
 - Focus on key aspects of SmartWay and EPA's legacy fleet programs and future program direction

Thank You

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