# SmartWay: Addressing the Legacy Fleet and Supply Chains

May 10, 2011







## Work Group Charge

- Provide feedback and act as a sounding board to enable EPA to sustain its legacy fleet programs going forward
- Make recommendations that help EPA to:
  - Accelerate legacy fleet efficiency improvements
    - Integrate EPA legacy fleet programs
    - Explore opportunities for additional fuel savings and emission reductions (e.g., other transport modes, nonroad)
  - Enhance supply chain performance assessment and carbon accounting
  - Incorporate cutting edge technologies and innovation across supply chains

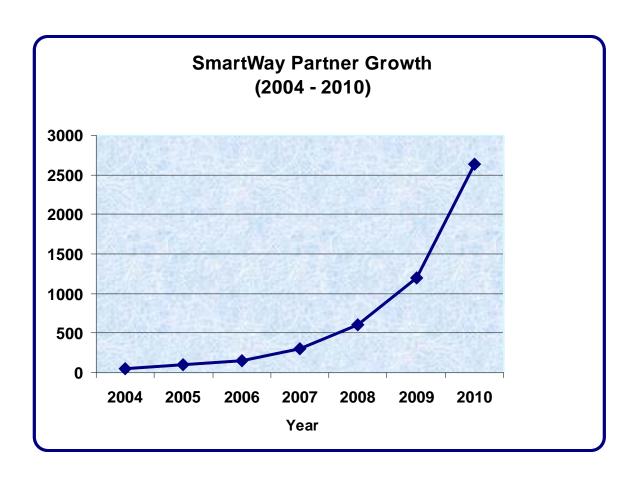
#### How the Program Works

- 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 NOx, 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



- 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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