

# SmartWay Vision 2020

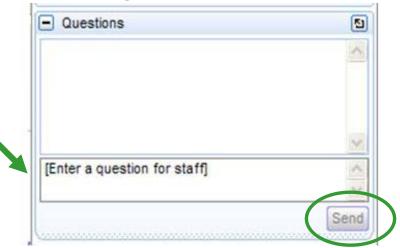
... a USEPA SmartWay webinar June 24, 2015 2-3 pm (ET)

#### Moving Freight Transport forward to a New Era of Sustainability



# Webinar Logistics

- Presentation slides and a recording of this webinar will be available to download within 1 week at: http://www.epa.gov/smartway/webinars.htm
  - Attendees will be in listen-only mode (muted) throughout today's webinar.
  - During the webinar, submit a question by typing into the Enter a question for staff box and clicking the Send button.
    Staff will read and answer these questions as time allows.



• Please complete the survey questions at the end of the webinar. Your feedback is important to us!

#### **Our Panelists**





Matthew Payne Environmental Engineer



Buddy Polovick SmartWay International Program



Joann Jackson-Stephens SmartWay Brand Manager



Denise Kearns Environmental Protection Specialist **MODERATOR** 

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# Webinar Agenda



- Freight trends, environmental impacts
- SmartWay 2020 goals

• Address the entire freight supply chain

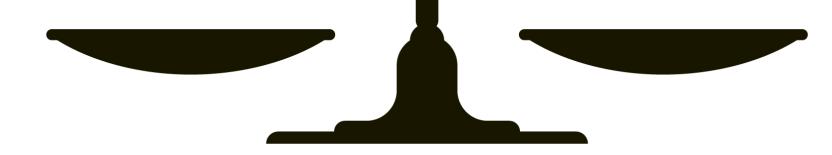
- Build a global green freight movement
- Leverage SmartWay brand to recognize green freight leadership
- Support technology & operational innovations, information exchange

#### **Questions & Answers**



# Freight Environmental Trends Impacts

Rapid growth Globalization Consumer demand Leadership Emission increases Community & health impacts Climate change Energy consumption



# Poll question



# EPA Approach



#### Regulatory

- Heavy Duty GHG Phase 1
- Heavy Duty GHG Phase 2

#### **Clean Diesel Campaign**

- Grants
- Clean Diesel Projects



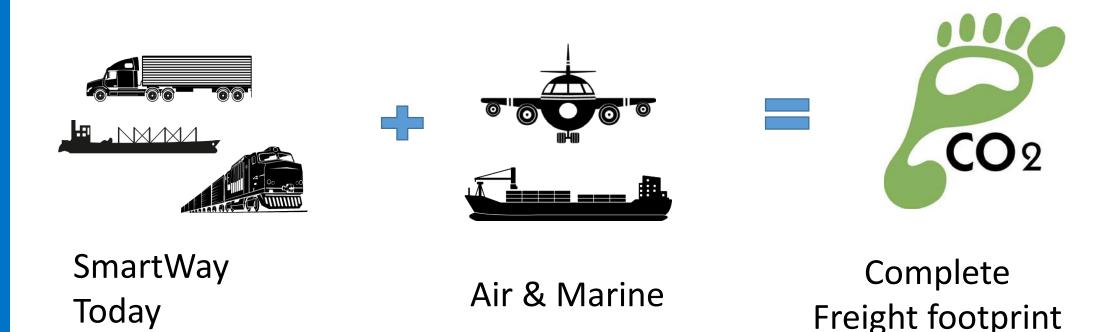
# SmartWay Background

- EPA and freight stakeholders launch SmartWay
- Ten-year anniversary
- Federal advisory committee and partner recommendations
- SmartWay Vision 2020

# Complete Transportation Supply Chain



Add air and ocean-going vessel transportation
SmartWay assessment capability



# Air and Marine Assessment Capability



# Air tool complement

- ✓ Partner and peer review
- ✓ Beta testing
- Integrate data already reported to Federal Aviation Administration

# Ocean Freight

- ✓ Stakeholder collaboration
- Identify opportunities for reciprocity
- EPA Port Initiative

#### SmartWay is an Integrated System

- Carrier Data Collection Tools
  - Truck, Logistics, Barge, Rail, Multimodal Suite
  - Beta Air Tool in 2015
- SmartWay "Process"
  - Data collection, processing, QA/QC, benchmarking
  - Produces 6 emission factors for public use
- SmartWay Database
  - Stores and manages all SmartWay data
  - Allows industry benchmarking
- SmartWay Website
  - Contains downloadable versions of all tools, user guides, technical documentation, webinars, program descriptions
- Shipper Tool
  - Calculates carrier emission footprints for Shippers

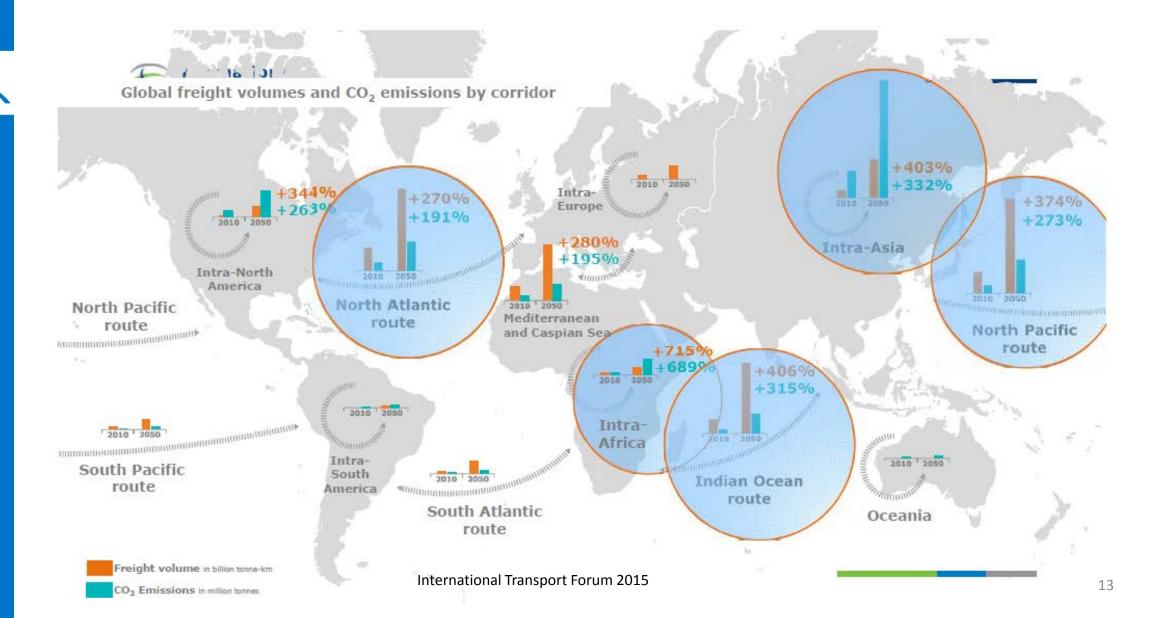




# One-Stop Shop for Freight Emissions Data

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- Provide complete, reliable data on all freight activity in supply chain
- Raise awareness of how freight efficiency improves supply chain performance
- Common freight metric available for global carbon accounting
- Meet needs of increasingly global goods movement system

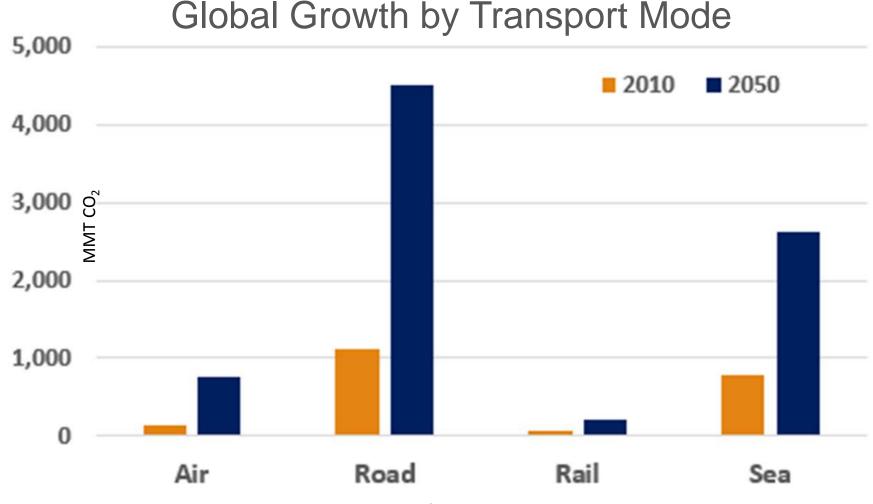
# Global Goods Movement – Growth Projections



# Global Growth in Freight CO<sub>2</sub> Emissions



Goods movement Is <u>fastest</u> growing source of transport emissions - calling for global solutions to encourage greener freight transportation



International Transport Forum 2015

## Green Freight Goes Global





# SmartWay in North America



- Fully integrated seamless program
- Administered by Natural Resources Canada

Mexico operating Transporte Limpio since 2010

• Metric and French tools

• Modeled on SW 1.0

• Joint Smart Driver online curriculum







 Commission for Environmental Cooperation issued report recommending aligning North American freight efforts



• EPA and NRCan working to further develop options for SmartWay in Mexico

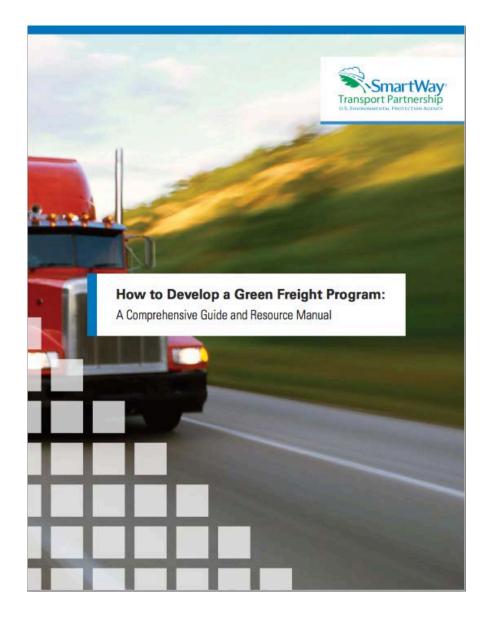
Mexico can set stage for Latin American effortsBrazil, Argentina, Chile, Columbia



# SmartWay Replication Globally



- SmartWay leading way in the Global Green Freight movement
- Building capacity for other countries to design Green Freight programs
- Published guide for countries "How to Develop a Green Freight Program"
- Mandarin, Spanish, Portugese, French version available
- Conduct trainings and share expertise in countries such as China and Mexico
- Develop tools for freight emissions accounting that can be adapted for other regions



# SmartWay Global Collaboration

EPA engaged through bilateral & multi-lateral mechanisms to work with other nations

- China Climate Change Working Group
  - China Green Freight Initiative
- Multilateral collaboration in Brazil
- **UNFP** Climate and Clean Air Coalition Global Green Freight Action Plan
  - 1. Align/Enhance Existing Green Freight Efforts
  - Develop/Support New Green Freight Programs 2.
  - 3. Address Black Carbon in Green Freight Programs
  - Global Logistics Emissions Council
    - Creating global framework for freight supply chain logistics emissions methodologies

#### globalgreenfreight.org

#### THE **Global Green Freight** Action Plan

REDUCING THE CLIMATE AND HEALTH IMPACTS OF GOODS TRANSPORT













# Green Freight Leadership via





2014 SmartWay Excellence Award ABF Freight System, Inc. Ario G. Lott Trucking In-Bella Transport Inc. C.R. England, Inc. Container Connection Contrans Group Inc. Cowan Systems, LLC CRST Van Expedited D. P. Curtis Trucking, Inc DHL Express USA Doug Andrus Distributing Edwards Distribution Services, Inc s International of Washington, I FedEx Express Frito-Lay Gordon Trucking, Inc. H-E-B Hewlett-Packard Hub Group J.B. Hunt Transport, Inc Johns Manville K&B Transportation, Inc. Kaiser Permanente Kimberly-Clark Corporation Knight Transportation, Inc Logistics Trans West Inc. one Star Transportation, LLC Lowe's Companies, Inc LTI, Inc. May Trucking Company McElroy Truck Lines, Inc Menlo Logistics Mesilla Valley Transportation MN Express Inc dern Transportation Services, LLC Nonstop Couriers, Inc. Nordstrom, Inc. AM Transport, Inc Prime, Inc. Rochl Transport, Inc. RPM Harbor Services, Inc Ruan Transportation Management Sys Inc. Ryder Supply Chain Solution SC Johnson and Son, Inc. ShipCarsNow Stevens Worldwide Van Lines, Inc Sunbury Transport Ltd. TD Walker Inc. The Home Depot U.S.A., In ons Marketing Associates Canada Inc itanium Trucking Services Inc sport TFI 15 S.E.C., Gregoin TransX Vedder Transport Lt rner Enterprise

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Transport Partnership

- SmartWay brand essential program element
- Symbol of green freight leadership
- SmartWay awards program
- Partner profiles
- Case studies



# Leverage SmartWay Brand





# **Business-to-Business**



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23 Oct

Congrats! MT @MenIoLogistics: MenIo honored w/@EPA SmartWay Excellence Award for Idrshp in #supplychain efficiency ow.ly/q6c5P

Expand

UPS @UPS



Menio Logistics @Me Menio honored with th for its leadership in sur Expand

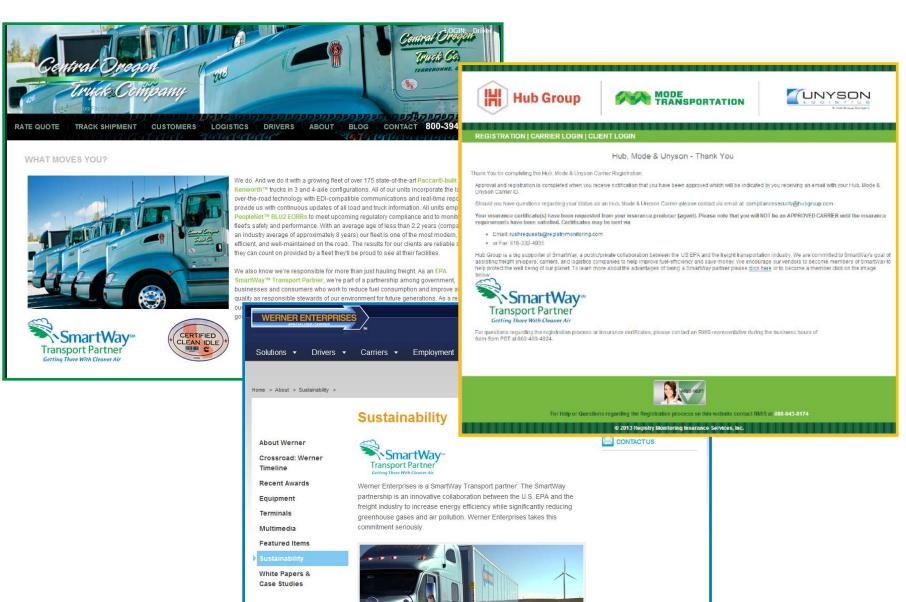


# **Consumers**



#### Sample Uses of Partner Logo: Websites





### Sample Uses of Partner Logo: Advertising

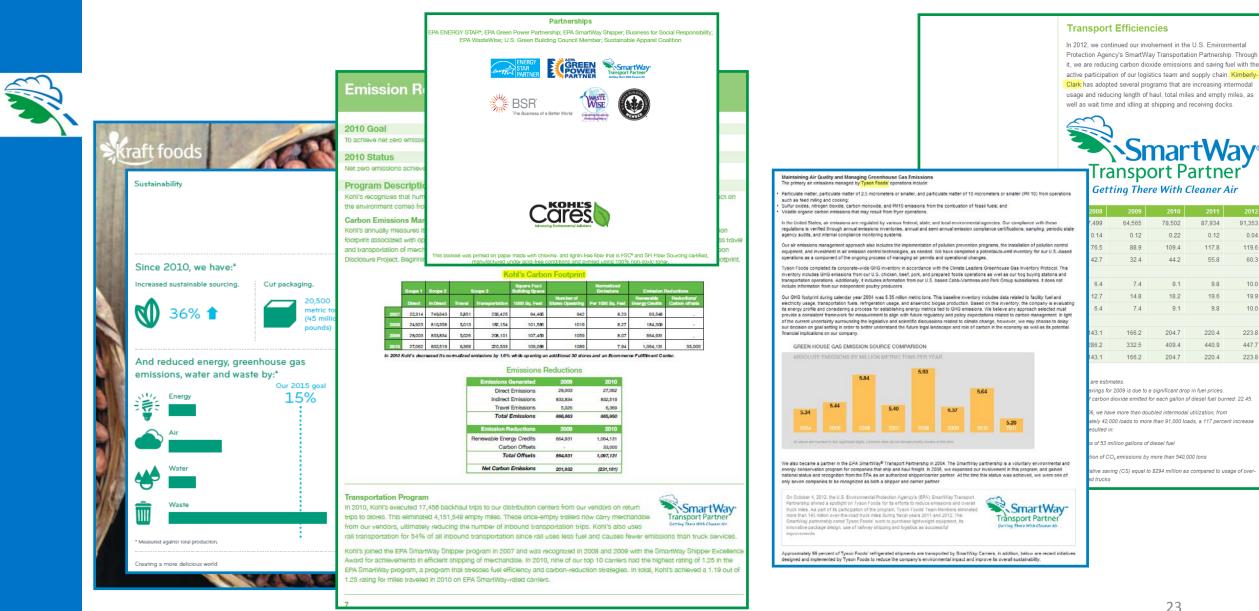


Overview

Сотралу



#### Sample Uses of Partner Logo: Reports



smartWa

78,502

0.22

109.4

44.2

9.1

18.2

9.1

204.7

409.4

204.7

87,934

0.12

1178

55.8

9.8

19.6

9.8

220.4

440.9

220.4

91,353

0.04

119.6

60.3

10.0

19.9

10.0

223.8

447.7

223.8

64,565

0.12

88.9

324

74

14.8

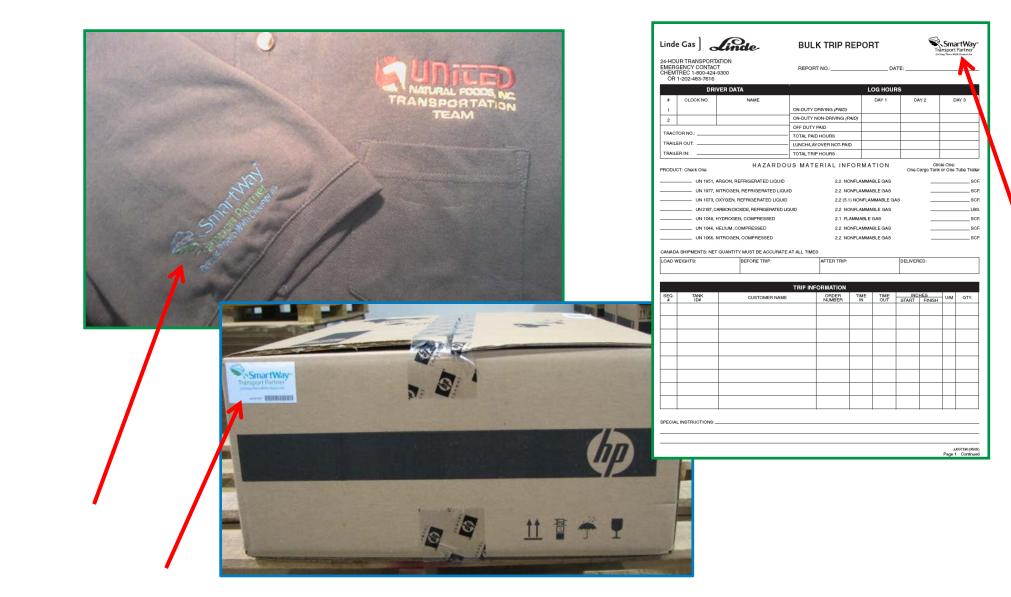
7.4

166.2

332.5

166.2

#### Sample Uses of Partner Logo: Varied



#### Center for Information and Exchange on Green Freight Movement

- Build on SmartWay technology program
- Advance technologies and innovative practices
- Establish testing protocols & standards
- Share technology verification framework globally
- Reduce carbon emissions before clean benefits of regulation are available



# Platform for shipper-supplier collaboration



- Encourage shipper engagement
- Showcase operational strategies
- Facilitate information exchange, share best practices
- Collaboration



# SmartWay Vision 2020





- Catalyze change across entire freight supply chain
- Serve as global role model for other nations including regions where extensive freight / GHG growth is projected
- Use SmartWay brand to identify green freight leadership
- Act as clearinghouse for information sharing and exchange on greener goods movement
- Impact freight transport GHG reductions today

#### SmartWay Helpline smartway\_transport@epa.gov 734-214-4767

#### www.epa.gov/smartway

