Ship Sustainably with SmartWay

Abby Swaine & George Frantz
US EPA Region 1 - New England

Marcia Turkington
SmartWay and Supply Chain Programs Center
US EPA, Ann Arbor MI

July 21, 2015
Topics

- What motivates SmartWay?
  - Citizenship
  - Environment
  - Economy
- How does SmartWay work?
- What’s in it for You?
Transportation System Resilience, Extreme Weather and Climate Change

To Reduce This...

And Save This...

Partner with SmartWay®

SmartWay Transport Partnership is the smarter way to ship goods. With enhanced tools and user-friendly reporting systems, the SmartWay program can help your company put its best foot forward to reduce its carbon footprint, improve its bottom line, and better manage its global freight supply chain. This innovative public-private collaboration helps your company increase operational efficiency, incorporates sustainability, and gain a competitive edge. Drive over to epa.gov/smartway to learn more.

Any way you ship it, move it the SmartWay.

"I've been dumping bodies here for years, and it seems to me that the sea level is rising."

The New Yorker, June 30, 2014
Why Focus on Transportation GHGs?

- Light-Duty Vehicles: 62%
- Heavy-Duty Trucks and Buses: 23%
- Aircraft: 8%
- Ships and Boats: 3%
- Rail: 3%
- Other (Motorcycles, Pipelines, Lubricants): 2%
Figure 1.1 Overview of GHG Protocol scopes and emissions across the value chain

- **Scope 1** (Direct):
  - Company facilities
  - Transportation and distribution

- **Scope 2** (Indirect):
  - Employee commuting
  - Waste generated in operations

- **Scope 3** (Indirect):
  - Purchased goods and services
  - Capital goods
  - Fuel and energy related activities
  - Transportation and distribution
  - Leased assets

**Upstream activities**

**Reporting company**

**Downstream activities**
Good Company
Here’s the Beef

- 11 years
- 3200 Partners & Affiliates
- Top 100 U.S. truck carriers
- All Class 1 RRs
- Fortune 500 shippers
- Major logistics firms
- 650,000 trucks: 50 billion annual truck miles
- Now: barge! Next: marine & air
- 61 million metric tons of CO$_2$
- 144 million barrels of oil and 5 billion gallons of fuel
- $20 billion dollars in fuel costs
How it Works

**Carriers:**
- Save fuel & money
- Attain preferred status with shippers
- Earn recognition

**EPA:**
- Bring together gov’t & industry
- Provide platform & tools
- Show success

**Shippers:**
- Choose efficient carriers
- Optimize mode choice
- Shrink carbon footprint
- Earn recognition

**Logistics:**
- Serve both
- Earn recognition

**Carriers:**
- Save fuel & money
- Attain preferred status with shippers
- Earn recognition
SmartWay = Continuous Improvement

- Measure Footprint
- Benchmark Performance
- Innovate Operations
- Report Results
- Improve Efficiency
# 2015 SmartWay Carrier Categories and Data Specificity

<table>
<thead>
<tr>
<th>TRUCK Type</th>
<th>Dry Van &amp; Chassis</th>
<th>Reefer</th>
<th>Flatbed</th>
<th>Tanker</th>
<th>Heavy &amp; Bulk</th>
<th>Auto Carrier</th>
<th>Moving</th>
<th>Specialized &amp; Utility</th>
<th>Mixed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dray</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Truckload</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Expedited</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LTL</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Package</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mixed</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rail</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Barge</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Air</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Logistics</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Multimodal</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Marine</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Rail**

Single Modal Average for All Rail
(No company differentiation allowed per Association of American Railroads)

**Barge**

Company Specific Data

**Air**

Company Specific Data

**Logistics**

5 Performance Levels

**Multimodal**

Emission Factor Data Only
(No 5 Performance Level Ranking)

**Marine**

To Be Determined
(Proposed availability in 2016 calendar year)
Carrier Strategies

- Idle reduction
- Speed control
- Driver training
- Aerodynamics
- Tire technologies
- Lubricants
- Hybrid power trains
- Freight logistics
- Weight reduction
- Intermodal
- Alt fuels
- Longer combination vehicles

Reflects well.
(And helps keep the air clean, too.)

Let’s face it, any time your fleet can boost fuel efficiency by 10 to 20%, it reflects well on you and your bottom line. U.S. EPA certified SmartWay Tractors and Trailers allow you to do just that. You can also display the SmartWay certification mark, a symbol of environmental distinction, which also reflects well on you. The SmartWay leaf indicates to both industry and the public that you operate the cleanest and most efficient trucks and equipment available today.

To learn more, visit epa.gov/smartway
Save Fuel, Money and the Environment with a SmartWay Truck

- Cab Side Gap Fairings
- Integrated Sleeper Cab Roof Fairing
- Trailer Mounted Gap Reducer (1% fuel savings)
- Trailer Boat Tail (1% fuel savings)
- Aero Profile Tractor
- Fuel Tank Skirts
- Idle Reduction
- Trailer Side Fairings (4% fuel savings)
- Low Rolling Resistance Tires (3% fuel savings)
- 2007 or newer MY Engine
- Aerodynamic Bumper
- Aerodynamic Mirrors

A SmartWay tractor and trailer annually save 2,000 to 4,000 gallons of fuel and reduce CO2 emissions by up to 20% as compared to similar trucks on the road. Learn more at www.epa.gov/smartway
**Improved Freight Logistics**

*A Glance at Clean Freight Strategies*

A trucking fleet that optimizes its freight logistics can save fuel, improve productivity. This reduces fuel costs and generates additional revenue while cutting greenhouse gas emissions.

**What is the challenge?**

Inefficiencies in freight operations can cause trucks to travel empty (without cargo) longer or more congested routes, and idle unnecessarily. These inefficiencies incur consumption and fuel costs, and cause trucking companies to miss out on revenue.

When motor carriers cannot arrange for a return shipment, the empty truck (long-haul) doesn’t generate revenue, but accumulates costs in labor, equipment, and fuel. In some fleets, 10 percent or more of annual truck miles may be non-revenue miles. For a typical long-haul truck, this could add up to about 10,000 miles each year consuming over 1,200 gallons of diesel fuel and producing 12 metric tons of carbon dioxide emissions, the most prevalent greenhouse gas. Inefficient truck routing and loading and unloading also contribute to excessive fuel use and greenhouse gas emissions.

**What is the solution?**

**Driver Training**

*A Glance at Clean Freight Strategies*

Driver training programs can help trucking companies save fuel and reduce greenhouse gas emissions by increasing drivers’ skills, knowledge, and performance. A driver training program that improves fuel economy by 5 percent could save over $3,000 in fuel costs and eliminate 8 metric tons of greenhouse gas emissions per truck each year.

**What is the Challenge?**

Even highly experienced truck drivers can boost their skills and enhance driving performance through driver training programs. Training that targets fuel efficiency can help drivers recognize and change driving habits that waste fuel. For example, driving 65 mph instead of 55 mph can use up to 20 percent more fuel, idling a typical heavy-duty engine burns about 0.8 gallons of fuel per hour, and driving with the engine rpm too high can waste several gallons of fuel each hour. Other common habits that reduce fuel economy are frequent or improper shifting, too-rapid acceleration, too-frequent stops and starts from falling to anticipate traffic flow, and taking circuitous routes.

A few simple changes in driving techniques can produce sizable fuel savings of 5 percent or more. A Canadian study estimates that many fleets could achieve a 10 percent fuel economy improvement through driver training and monitoring. A study for the European Commission estimates that an annual one-day driver training course will improve truck fuel efficiency by 5 percent.

**What is the Solution?**

**Maintaining Proper Tire Inflation Pressure**

*A Glance at Clean Freight Strategies*

Maintaining proper tire inflation pressure can save tire maintenance costs and improve fuel economy by nearly 1 percent, saving 100 gallons of fuel and eliminating 1.02 metric tons of greenhouse gas emissions per year. Properly inflated tires also have fewer punctures and a longer life expectancy.

**What is the challenge?**

When not properly inflated, tires flex more under load. This produces heat and increases rolling resistance, which wastes fuel. Truck tires inflated 10 pounds per square inch (psi) below recommended air pressure levels can reduce truck fuel economy between 0.5 percent and 1 percent.

Heat and stress from improper inflation softens and deflect tire components, causing faster and more uneven wear, which shortens the life of the tire. Underinflated tires have more frequent punctures, increasing the risk of tire failures that could lead to costly road service and loss of revenue.

Despite the importance of proper tire inflation pressure, a recent survey of combination trucks found that less than half the tires surveyed were within 5 percent of the recommended inflation pressure. Another industry survey indicates only 8 percent of truck drivers check tire pressure with a tire gauge before each trip. One reason fleets may find it difficult to keep tires properly inflated is that truck tires can lose up to 2 psi each month, even if the rim seal and valves are tight. A fleet may not be able to inspect or monitor its trailer tire regularly due to the fact that extended periods of time are spent away from service yards and because trailers are interchangeable. This places greater responsibility for checking tire pressure onto drivers.

**Energy and Fuel Savings**

- Gallons Saved: 1,208 gallons
- CO2 Savings: 12.26 Metric tons

**Maintaining Proper Tire Inflation Pressure**

**Energy and Fuel Savings**

- Gallons Saved: 100 gallons
- CO2 Savings: 1.02 Metric tons
- Increase in Fuel Economy: 0.6%
- New MPG
SmartWay Scoring

- Top 20% TL Dry Vans MIDPOINT: 1480 CO2 g/mile (1)
- Second 20% TL Dry Vans MIDPOINT: 1560 CO2 g/mile (2)
- Middle 20% TL Dry Vans MIDPOINT: 1640 CO2 g/mile (3)
- Fourth 20% TL Dry Vans MIDPOINT: 1720 CO2 g/mile (4)
- Bottom 20% TL Dry Vans MIDPOINT: 1800 CO2 g/mile (5)
SmartWay Schedule 2015

- **Truck Tool**: Available Jan 7
  - **Group 1**: Due March 4
  - **Group 2**: Due April 8
  - **Group 3**: Due May 6

- **Rail Tool**: Available Feb 3
  - Due May 6

- **Barge Tool**: Available Feb 3
  - Due May 6

- **Air Tool**: Available April 2
  - Due May 6

- **Multi-modal Tool**: Available May 19
  - Accepts Truck, Rail, Air, and Barge Data
  - Due June 26

- **Logistics Tool**: Available July 8
  - Accepts Truck, Rail, Barge, Air, and MM Data
  - Due Sept 16

- **Shipper Tool**: Available Oct 3
  - Accepts Truck, Rail, Barge, Air, MM, and Logistics Data
  - Due Dec 3

SmartWay® Transport Partner
Getting There With Cleaner Air
Get Your Feet Wet
SmartWay Carrier Performance Rankings

These Microsoft Excel files contain the latest SmartWay Partners fleet ranking categories and emission rates.

You will need Adobe Reader to view some of the files on this page. See EPA’s PDF page to learn more.

2014 Reporting Year Performance Rankings Spreadsheet (XLSX) (49M) This version of the SmartWay Performance Range report has been formatted for ease of viewing and includes built-in sort capabilities. If you would like a basic non-formatted version please see the Basic SmartWay Performance Range Report.

2014 Reporting Year Raw Data—Performance Rankings Spreadsheet (XLSX) (310K) This version of the SmartWay Performance Range report has not been formatted and presents all SmartWay data on one tab with column headers. If you would like to see a formatted version where SmartWay categories are displayed on separate tabs with built in sorting functions please see the Enhanced SmartWay Performance Range Report.

The file is refreshed every Monday afternoon. (For reference purposes only)

NOTE: You need to SAVE the file to a folder. To save, right click the link above and select “Save Target As” in Microsoft Explorer or “Save Link As” in Mozilla Firefox. Opening the file in the browser instead of saving may render some features unavailable.

Archived Reports

2013 Reporting Year Raw Data—Performance Rankings Spreadsheet (XLS) (291K) This version of the SmartWay Performance Range report has not been formatted and presents all SmartWay data on one tab with column headers. If you would like to see a formatted version where SmartWay categories are displayed on separate tabs with built in sorting functions please see the Enhanced SmartWay Performance Range Report.

2012 Reporting Year Raw Data—Performance Rankings Spreadsheet (XLS) (787K) This version of the SmartWay Performance Range report has not been formatted and presents all SmartWay data on one tab with column headers. If you would like to see a formatted version where SmartWay categories are displayed on separate tabs with built in sorting functions please see the Enhanced SmartWay Performance Range Report.

2011 Reporting Year Raw Data—Performance Rankings Spreadsheet (XLS) (387K) This version of the SmartWay Performance Range report has not been formatted and presents all SmartWay data on one tab with column headers. If you would like to see a formatted version where SmartWay categories are displayed on separate tabs with built in sorting functions please see the Enhanced SmartWay Performance Range Report.
### Performance Rankings and Emission Factors

| SCAC | MCN | g/mile CO2 Rank | g/mile CO2 | g/mile NOx Rank | g/mile NOx | g/mile PM Ra | g/mile PM | g/tm CO2 Rank | g/tm CO2 | g/tm NOx Rank | g/tm NOx | g/tm PM Rank | g/tm PM | g/tm F |
|------|-----|-----------------|-----------|-----------------|-----------|-------------|-----------|--------------|----------|---------------|---------|-------------|---------|---------|---------|
| 4    | 1650| 3               | 5         | 4               | 0.22      | 3           | 126       | 3            | 0.46     | 3             | 0.152   | 3           | 0.0152  |        |
| 4    | 1650| 4               | 6.8       | 4               | 0.22      | 1           | 86        | 2            | 0.26     | 3             | 0.0152  | 3           | 0.0152  |        |
| 4    | 1650| 2               | 3.2       | 1               | 0.01      | 3           | 126       | 2            | 0.26     | 1             | 0.00085 | 1           | 0.00085 |        |
| 5    | 1750| 1               | 1.4       | 1               | 0.01      | 4           | 146       | 1            | 0.06     | 1             | 0.00085 | 1           | 0.00085 |        |
| 2    | 1450| 4               | 6.8       | 2               | 0.06      | 2           | 106       | 3            | 0.46     | 2             | 0.0062  | 2           | 0.0062  |        |
| 1    | 1350| 3               | 5         | 3               | 0.14      | 5           | 166       | 4            | 0.66     | 5             | 0.0332  | 5           | 0.0332  |        |
| 3    | 1550| 0               | 5         | 0.3             | 2           | 106       | 5            | 0.86       | 5           | 0.0332  |        |          |          |        |
| 1    | 1350| 1               | 1.4       | 1               | 0.01      | 5           | 166       | 5            | 0.86     | 2             | 0.0062  | 2           | 0.0062  |        |
| 3    | 1550| 3               | 5         | 3               | 0.14      | 3           | 126       | 3            | 0.46     | 3             | 0.0152  | 3           | 0.0152  |        |
| 1    | 1350| 3               | 5         | 2               | 0.06      | 5           | 166       | 5            | 0.86     | 2             | 0.0062  | 2           | 0.0062  |        |
| 2    | 1450| 3               | 5         | 3               | 0.14      | 2           | 106       | 3            | 0.46     | 2             | 0.0062  | 2           | 0.0062  |        |
| 1    | 1350| 1               | 1.4       | 1               | 0.01      | 5           | 166       | 1            | 0.06     | 1             | 0.00085 | 1           | 0.00085 |        |
| 2    | 1450| 1               | 1.4       | 1               | 0.01      | 2           | 106       | 1            | 0.06     | 1             | 0.00085 | 1           | 0.00085 |        |
| 4    | 1650| 1               | 1.4       | 1               | 0.01      | 3           | 126       | 1            | 0.06     | 1             | 0.00085 | 1           | 0.00085 |        |
| 3    | 1550| 5               | 8.6       | 5               | 0.3       | 3           | 126       | 4            | 0.66     | 5             | 0.0332  |            |          |        |
| 3    | 1550| 5               | 8.6       | 4               | 0.22      | 3           | 126       | 4            | 0.66     | 3             | 0.0152  |            |          |        |
| 1    | 1350| 1               | 1.4       | 1               | 0.01      | 1           | 86        | 1            | 0.06     | 1             | 0.00085 |            |          |        |
| 4    | 1650| 5               | 8.6       | 5               | 0.3       | 2           | 106       | 3            | 0.46     | 4             | 0.0242  |            |          |        |
| 1    | 1350| 1               | 1.4       | 1               | 0.01      | 5           | 166       | 1            | 0.06     | 1             | 0.00085 |            |          |        |

Identifiers omitted for presentation purposes.
### 2014 Logistics Provider Data Excerpt

#### Performance Rankings and Emission Factors

<table>
<thead>
<tr>
<th>g/mile CO2 Rank</th>
<th>g/mile CO2</th>
<th>g/mile NOx</th>
<th>g/mile PM Ra</th>
<th>g/mile PM</th>
<th>g/tm CO2 Rank</th>
<th>g/tm CO2</th>
<th>g/tm NOx</th>
<th>g/tm PM Rank</th>
<th>g/tm PM</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>1875</td>
<td>3</td>
<td>19.5</td>
<td>3</td>
<td>0.8</td>
<td>1</td>
<td>115</td>
<td>2</td>
<td>1.375</td>
</tr>
<tr>
<td>1</td>
<td>1625</td>
<td>3</td>
<td>19.5</td>
<td>2</td>
<td>0.6</td>
<td>1</td>
<td>115</td>
<td>1</td>
<td>0.625</td>
</tr>
<tr>
<td>1</td>
<td>1625</td>
<td>1</td>
<td>9.5</td>
<td>1</td>
<td>0.4</td>
<td>1</td>
<td>115</td>
<td>1</td>
<td>0.625</td>
</tr>
<tr>
<td>1</td>
<td>1625</td>
<td>1</td>
<td>9.5</td>
<td>1</td>
<td>0.4</td>
<td>1</td>
<td>115</td>
<td>2</td>
<td>1.375</td>
</tr>
<tr>
<td>1</td>
<td>1625</td>
<td>3</td>
<td>19.5</td>
<td>2</td>
<td>0.6</td>
<td>1</td>
<td>115</td>
<td>1</td>
<td>0.625</td>
</tr>
<tr>
<td>2</td>
<td>1875</td>
<td>1</td>
<td>9.5</td>
<td>1</td>
<td>0.4</td>
<td>1</td>
<td>115</td>
<td>1</td>
<td>0.625</td>
</tr>
<tr>
<td>1</td>
<td>1625</td>
<td>3</td>
<td>19.5</td>
<td>2</td>
<td>0.6</td>
<td>1</td>
<td>115</td>
<td>1</td>
<td>0.625</td>
</tr>
<tr>
<td>2</td>
<td>1875</td>
<td>3</td>
<td>19.5</td>
<td>2</td>
<td>0.6</td>
<td>1</td>
<td>115</td>
<td>1</td>
<td>0.625</td>
</tr>
<tr>
<td>1</td>
<td>1625</td>
<td>3</td>
<td>19.5</td>
<td>2</td>
<td>0.6</td>
<td>1</td>
<td>115</td>
<td>1</td>
<td>0.625</td>
</tr>
<tr>
<td>1</td>
<td>1625</td>
<td>1</td>
<td>9.5</td>
<td>1</td>
<td>0.4</td>
<td>1</td>
<td>115</td>
<td>1</td>
<td>0.625</td>
</tr>
<tr>
<td>1</td>
<td>1625</td>
<td>1</td>
<td>9.5</td>
<td>1</td>
<td>0.4</td>
<td>1</td>
<td>115</td>
<td>1</td>
<td>0.625</td>
</tr>
<tr>
<td>2</td>
<td>1875</td>
<td>1</td>
<td>9.5</td>
<td>1</td>
<td>0.4</td>
<td>1</td>
<td>115</td>
<td>1</td>
<td>0.625</td>
</tr>
<tr>
<td>1</td>
<td>1625</td>
<td>1</td>
<td>9.5</td>
<td>1</td>
<td>0.4</td>
<td>1</td>
<td>115</td>
<td>1</td>
<td>0.625</td>
</tr>
<tr>
<td>1</td>
<td>1625</td>
<td>1</td>
<td>9.5</td>
<td>1</td>
<td>0.4</td>
<td>1</td>
<td>115</td>
<td>1</td>
<td>0.625</td>
</tr>
<tr>
<td>1</td>
<td>1625</td>
<td>2</td>
<td>14.5</td>
<td>1</td>
<td>0.4</td>
<td>1</td>
<td>115</td>
<td>1</td>
<td>0.625</td>
</tr>
<tr>
<td>1</td>
<td>1625</td>
<td>3</td>
<td>19.5</td>
<td>3</td>
<td>0.8</td>
<td>1</td>
<td>115</td>
<td>1</td>
<td>0.625</td>
</tr>
</tbody>
</table>

Identifiers omitted for presentation purposes.
Tempted?
<table>
<thead>
<tr>
<th>If your company is a...</th>
<th>SmartWay Partner Category</th>
<th>Eligibility</th>
<th>Role in SmartWay</th>
</tr>
</thead>
<tbody>
<tr>
<td>Retailer or manufacturer of food, beverage, consumer goods, pharmaceuticals, lumber/paper, chemical and petroleum, etc.</td>
<td>Shipper Partner</td>
<td>You contract the shipping of 95% or more of your freight with outside firms</td>
<td>Commit to ship more freight with more high performing SmartWay carriers. Encourage carriers and peers to register. Improve operational efficiency. Report freight activity annually.</td>
</tr>
<tr>
<td>Institution receiving procured goods, e.g., school, government, hospital, etc.,</td>
<td>Shipper Partner</td>
<td>You contract the shipping of 95% or more of your freight with outside firms</td>
<td>Commit to ship more freight with more high performing SmartWay carriers. Encourage carriers and peers to register. Improve operational efficiency. Report freight activity annually.</td>
</tr>
<tr>
<td>Any above that uses own private fleet (includes class 2 through class 8b Trucks)</td>
<td>Truck Carrier Partner</td>
<td>You operate and manage or lease your own fleet and contract the shipping of 5% or less of your freight with outside firms</td>
<td>Commit to and demonstrate improved fleet efficiency. Encourage shipper clients and peers to register. Improve operational and fleet efficiency. Report freight activity annually.</td>
</tr>
<tr>
<td>Private Truck fleet (includes class 2 through class 8b Trucks)</td>
<td>Truck Carrier Partner</td>
<td>See above</td>
<td>Commit to and demonstrate improved fleet efficiency. Encourage peers to register. Improve operational and fleet efficiency. Report freight activity annually.</td>
</tr>
</tbody>
</table>
1) Make sure "SmartWay Shipper" is the right partner type for your company

2) Use the "SmartWay Partner Tool Kit for Shippers" to complete your tool submission

The Shipper Tool contains everything you need to join SmartWay and become a registered Partner in good standing. The tool contains guidance on each page to help you submit your tool, including screen demos and definitions. We've also provided user guides and worksheets below for added support.

To register as a SmartWay Shipper:

1. Download the current year’s tool and the associated guidance documents and worksheets (as needed).
2. Complete your tool submission.
3. Email your tool's "xml" file to smartway_transport@epa.gov.

SHIPPER TOOL

- RIGHT CLICK THIS LINK AND SAVE the SmartWay Shipper Tool to your computer (XLS) (8.5MB)
- RIGHT CLICK THIS LINK AND SAVE an example of the Shipper Tool (XLS) (7.4MB)

SHIPPER TOOL USER GUIDES

Use these guides to understand the tool data entry and submission process.

- SmartWay 2.0.13 Shipper Tool: Data Entry and Troubleshooting Guide (PDF) (96 pp, 6.4M, EPA-420-B-14-092, October 2014)
- Guide to Importing Carrier Data Using the Outside Data Import Function (PDF) (20 pp, 1.2M, EPA-420-B-13-052, September 2013) (Optional—for users that have large amounts of carrier data)
- SmartWay 2.0.13 Shipper Tool: Technical Documentation (PDF) (35 pp, 789K, EPA-420-B-14-090, October 2014)

SHIPPER TOOL WORKSHEETS

These worksheets help you prepare your tool submission and make data gathering easier.

- Shipper Tool Worksheets, All (PDF) (15 pp, 620K)
- Shipper—WorksheetA—Company—Contact (PDF) (1 p, 189K)
- Shipper—Worksheet2—Company—Characterization (PDF) (1 p, 182K)
- Shipper—Worksheet3A—Select—Carriers (PDF) (2 pp, 192K)
- Shipper—Worksheet3B—Activity—Data (PDF) (5 pp, 206K)
- Shipper—Worksheet3C—Allocation—Data (PDF) (1p, 169K)
- Shipper—Worksheet4A—Strategies—Data (PDF) (1 p, 169K)
- Shipper—Worksheet4B—Modal—Shift—Data (PDF) (1 p, 166K)
Help

SmartWay

You are here: EPA Home » Transportation and Air Quality » SmartWay » Contact SmartWay

Contact SmartWay

For Partnership Help:

For answers to questions about the SmartWay Transport Partnership, contact us at:

Phone: 1-734-214-4767
Fax: 1-734-214-4052

Email: smartway_transport@epa.gov

Mailing Address:
US Environmental Protection Agency
2000 Traverwood Drive
Ann Arbor, MI 48105
ATTN: SmartWay

For Technology Help:

Contact the Tech Center for answers to questions about SmartWay verified and designated technologies.

Email: Tech_Center@epa.gov

Mailing Address:
US Environmental Protection Agency
1200 Pennsylvania Avenue, N.W.
Washington, DC 20460
ATTN: SmartWay Tech. Center

Contact Form:

We strive to respond to every comment with an answer or an appropriate referral as quickly as possible. Most comments will be responded to within 10 business days.

Please help us answer your request by including a correct email address. We have answered thousands of requests, but we receive many messages that we can't respond to because of incorrect email addresses.

Also, if you are referring to a specific page within EPA's web site...

Your name:

Your organization:

Your email address:

How you heard about SmartWay:

Your comment:
On the Fence?
What’s in it for you?

Stanley Black & Decker Uses SmartWay Tools to Reduce Freight Footprint

Why Stanley Black & Decker Joined SmartWay

“Our success in measuring, and then reducing, energy demand and resultant Scope 1 and Scope 2 emissions associated with our brick-and-mortar operations has allowed us to apply the same productivity focus to reducing Scope 3 greenhouse emissions from vehicles that transport our finished goods and our employees. Our SmartWay Transport Partnership is the most well-established of our Scope 3 emissions reduction initiatives and has stimulated parallel efforts around the globe.”

Deborah Patterson, Vice President of Environment, Health, and Safety, Stanley Black & Decker

Stanley Black & Decker 2010-2011 SmartWay Emissions Factor Scope 3 CO₂ Emissions

<table>
<thead>
<tr>
<th>MODE</th>
<th>FACTOR (CO₂/톤/주)</th>
<th>TOTAL (CO₂/톤/주)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Truck</td>
<td>49,828</td>
<td>665,113</td>
</tr>
<tr>
<td>Math model</td>
<td>1623</td>
<td>45,282</td>
</tr>
<tr>
<td>Logistics</td>
<td>1448</td>
<td>19,446</td>
</tr>
<tr>
<td>TOTAL</td>
<td>65,387</td>
<td>523,780</td>
</tr>
</tbody>
</table>

Fame

Fortune

Being part of something great
Abby: 617-918-1841
swaine.abbey@epa.gov
George: 617-918-1883
frantz.george@epa.gov
Marcia: 734-214-4782
turkington.marcia@epa.gov
www.epa.gov/smartway