

Webinar Presentation



2021 SmartWay Excellence Award Criteria

US Environmental Protection Agency
February 17, 2021



Covered Today



-  Freight Sustainability Leadership
-  Award History
-  Award Goals
-  Candidate Selection Process
-  Award Criteria
-  Semifinalist Selection & Application Process
-  2021 Award Highlights & Timeline

Freight Sustainability Leadership: Definition



 SmartWay defines **freight sustainability leadership** more broadly than performance and efficiency measures that increase profitability. We look for the following organizational actions:

- C-Suite engaging in continually setting new targets for GHG reductions
- Operationalizing freight sustainability in everyday business from purchasing to shipping
- Sharing freight strategies/lessons learned with peers to advance the freight sector
- Participating in environmental sustainability initiatives, i. e. Science-Based Targets
- Improving local air quality in crowded, urban and disadvantaged communities
- Making known your commitment and participation in SmartWay to employees, vendors, suppliers, investors/stakeholders

Freight Sustainability Leadership



-  Performance Benchmarking and Reporting Practices
-  Internal Company Policies
-  Industry Collaboration
-  Environmental Performance
-  Education, Publicity and Engagement

RESOURCES TO SUPPORT FREIGHT SUSTAINABILITY LEADERSHIP

FOR CARRIERS

-  SmartWay Carrier Technical bulletins
-  Designated Tractor and Trailer guidance
-  Benefits of Becoming a SmartWay Carrier Partner
-  Business case for Truck Carriers joining SmartWay
-  How SmartWay Benefits Small Fleets
-  SmartWay Carrier Video

FOR LOGISTICS PROVIDERS

-  Benefits of Becoming a SmartWay Logistics Company Partner
-  Resources to Introduce Your Carriers to SmartWay
-  SmartWay Logistics Video
-  Letter Templates for Recruiting Carriers

FOR SHIPPERS

-  Launching a Successful Freight Sustainability Strategy
-  Shipper Technical Bulletins
-  Global Green Freight.org
-  Shipper Business case for joining SmartWay
-  SmartWay for Shippers: The Business Case for Green Freight video
-  Letter Templates for Recruiting Carriers

FOR ALL PARTNERS

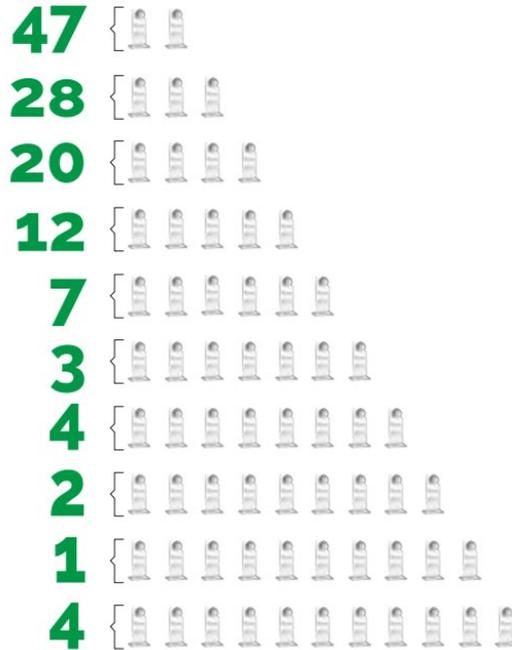
-  SmartWay Overview
-  Procurement Guide
-  Data Quality and Best Practices Guidance
-  SmartWay Brand Guidance

Award History



-  Thirteen years of Partner recognition
-  279 Partner companies
-  Ample opportunity for Award recognition of different partner companies each year

MULTIPLE AWARD WINNERS (128 TOTAL)



279

Partners recognized as Excellence Awardees over 13 years

128

Partners recognized as Excellence Awardees more than once

2021 Excellence Award Goals



-  Recognize top Partners that excel in freight sustainability
-  Screen Partners based on environmental performance
 - Using the most recent, completed annual reporting cycle from all Partner categories
 - Use semifinalist process to select awardees in some categories
-  Aim for a mix of large/medium/small Partners
 - Using total annual miles traveled as indicator
-  No new partner categories for Award recognition in 2021

Candidate Selection Criteria Overview



All Partners must:

- Be a partner in good standing, i.e. on-time submission of the 2020 Tool
- Have reported actual, verifiable data in their respective tool
- Demonstrated superior environmental performance
- Pass Agency-wide adverse environmental compliance screen

Only Multi-modal Carrier, Logistics and Shipper Partners will:

- Be invited to submit the Semifinalist Application with specific efficiency documentation for qualitative consideration

Snapshot of Candidate Selection



Carrier Finalists Selection

- Finalists: Environmental Performance



Shipper, Logistics & Multimodal Selection

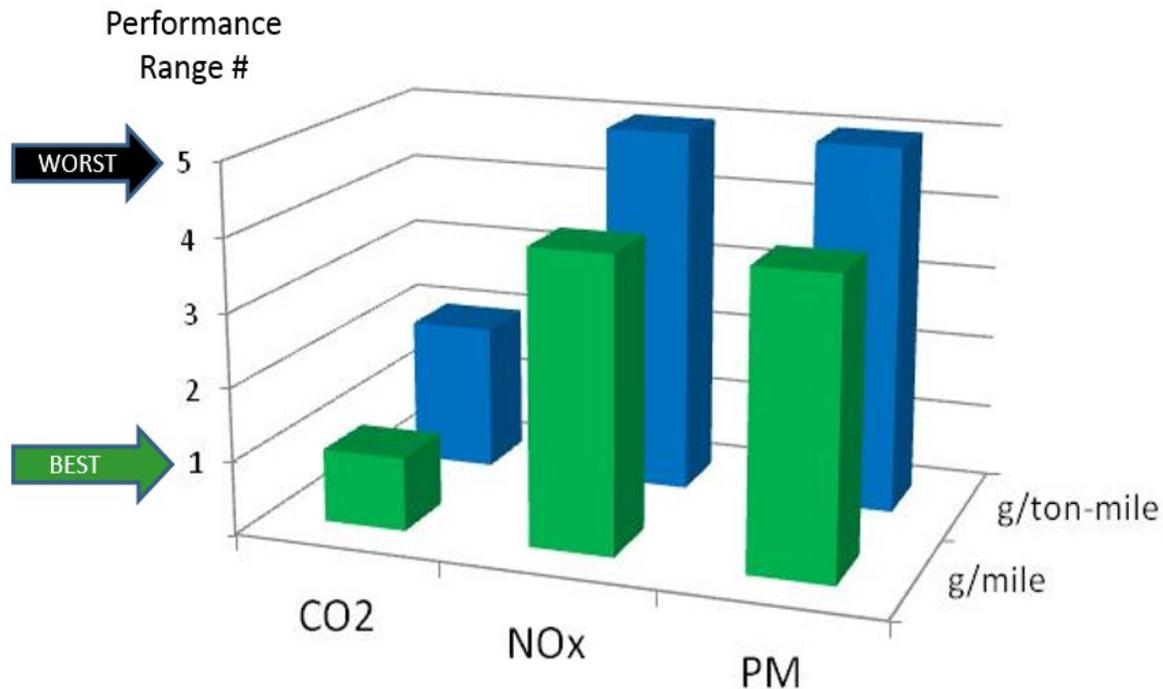
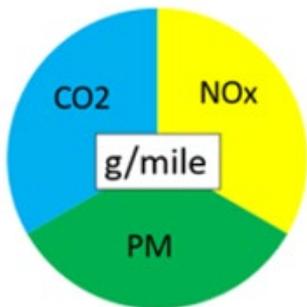
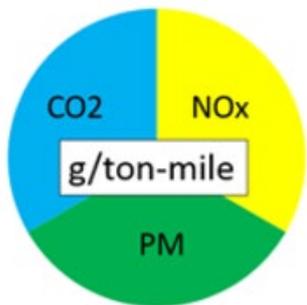
- Semi-Finalist candidates: Environmental Performance
- Finalists: Supplemental documentation completed & submitted (application)



Key Emissions Metrics for SmartWay Partners



SmartWay Performance Rankings for Carriers



Award Criteria for SmartWay Carriers



Individual **Fleet Composite Score** is Calculated Using this Equation:

$$\underbrace{w_1 [\text{CO}_2] + w_2 [\text{NOx}] + w_3 [\text{PM}]}_{\text{grams per ton-mile}} + \underbrace{w_4 [\text{CO}_2] + w_5 [\text{NOx}] + w_6 [\text{PM}]}_{\text{grams per mile}}$$

- **CO₂, NO_x and PM in brackets refer to:**
An “Emissions Rating” or “Bin Rating” in either grams per ton-mile or grams per mile
- **w₁, w₂, w₃, w₄, w₅, w₆** are the **weighting factors** for each of the six environmental metrics
- **All Carrier fleets are assessed using this equation**

Carrier Performance Ranking Data



Performance Rankings

All Carriers

<https://www.epa.gov/smartway>

Click down arrows ▼ to filter data by column categories. Select one or more items in the dropdown checklists.

Note: g/m=grams/mile and g/tm=g/ton-mile

				Performance Rankings and Emission Factors											
				Grams per Mile						Grams per Ton-mile					
Carrier Fleet Name	Mode	SmartWay Ranking	Fleet Category	g/m CO2		g/m NOx		g/m PM		g/tm CO2		g/tm NOx		g/tm PM	
				Rank	CO2	Rank	NOx	Rank	g/m F	Rank	CO2	Rank	NOx	Rank	PM
Carrier Fleet Name 1	Truck	Dray	Private	5	1880	1	2.7	1	0.025	5	96.5	1	0.15	1	0.001
Carrier Fleet Name 2	Logistics		Private	4	1950	4	9.4	4	0.35	3	109.5	2	0.43	3	0.0175
Carrier Fleet Name 3	Truck	Expedited	For-Hire	1	700	1	0.25	1	0.005	5	490	5	0.55	5	0.01
Carrier Fleet Name 4	Truck	TL/Dry Van	For-Hire	2	1475	5	5.3	5	0.042	2	77.5	4	0.25	5	0.0026
Carrier Fleet Name 5	Truck	TL/Dry Van	For-Hire	3	1565	5	5.3	5	0.042	2	77.5	4	0.25	5	0.0026
Carrier Fleet Name 6	Truck	TL/Dry Van	For-Hire	3	1565	2	2.3	2	0.018	3	84.5	2	0.13	2	0.0011
Carrier Fleet Name 7	Truck	Mixed	For-Hire	5	1800	5	6	5	0.09	4	95	5	0.34	5	0.0039
Carrier Fleet Name 8	Truck	Mixed	For-Hire	4	1700	4	5	4	0.07	2	79	3	0.22	4	0.0031
Carrier Fleet Name 9	Truck	TL/Dry Van	For-Hire	2	1475	3	3.3	2	0.018	2	77.5	3	0.19	2	0.0011
Carrier Fleet Name 10	Truck	Refrigerated	For-Hire	5	1850	5	5.7	5	0.07	5	96	5	0.27	5	0.004
Carrier Fleet Name 11	Logistics		For-Hire	4	1950	4	9.4	4	0.35	2	100.5	3	0.57	3	0.0175
Carrier Fleet Name 12	Truck	TL/Dry Van	For-Hire	2	1475	3	3.3	5	0.042	3	84.5	3	0.19	5	0.0026

Award Criteria: Truck & Multimodal Carriers



Individual Truck or Multimodal Fleet Composite Score:

$$\frac{1}{6} [\text{CO}_2] + \frac{1}{6} [\text{NOx}] + \frac{1}{6} [\text{PM}] + \frac{1}{6} [\text{CO}_2] + \frac{1}{6} [\text{NOx}] + \frac{1}{6} [\text{PM}]$$

grams per ton-mile

grams per mile

- **Specific fleet categories:**
 - Truckload Dry Van, Less-than-Truckload Dry Van, Refrigerated, Package, Tanker, Flatbed, Dray, Expedited, Heavy Bulk, Mixed, Moving, Special, Auto, Multimodal

Award Criteria: Barge & Rail



Individual Fleet Composite Score (in grams per ton-mile):

$$w_1 [\text{CO}_2] + w_2 [\text{NO}_x] + w_3 [\text{PM}]$$

- **W is the weighting factor**
 - $w_1 = \frac{1}{2}$ for carbon dioxide
 - $w_2 = \frac{1}{4}$ for nitrogen oxides
 - $w_3 = \frac{1}{4}$ for particulate matter
- **CO_2 , NO_x and PM in brackets refer to:**
 - An “emission rating” based on grams per ton-mile emissions

Carrier Award Criteria: Size Definition



- Awards per fleet size
- **Large Carriers:** annual miles traveled are greater than or equal to 1 % of the total miles traveled for that category
 - Exceptions:
 - Large Multi-modal, greater than or equal to 5 %
 - Large Truckload Dry Van, greater than or equal to 0.75%
 - Medium Truckload Dry Van, between 0.25% to 0.75%
- **Small Carriers:** annual miles traveled are less than 1 % of the total miles traveled for that category
 - Exceptions:
 - Small Multi-modal, less than 5 %
 - Small Truckload Dry Van, less than 0.25%

Carrier Fleet categories:

- Truckload Dry Van
- Tanker
- Specialized
- Refrigerated
- Package
- Moving
- Mixed
- Less-than-Truckload Dry Van
- Heavy/Bulk
- Flatbed
- Dray
- Expedited
- Auto Carrier
- Multimodal

Carrier Award Criteria: Size Definition, *continued*



Awards per fleet size

- Large Barge Carriers
 - Greater than or equal to 25 million annual ton-miles
- Small Barge Carriers
 - Fewer than 25 million annual ton-miles

- Large Rail Carriers
 - Class I railroads
- Small Rail Carriers
 - Class II and Class III railroads

Award Criteria: Shipper



Individual Fleet Composite Score (in grams per ton-mile):

$$w_1 [\text{CO}_2] + w_2 [\text{NO}_x] + w_3 [\text{PM}]$$

- **W is the weighting factor**
 - $w_1 = \frac{1}{2}$ for carbon dioxide
 - $w_2 = \frac{1}{4}$ for nitrogen oxides
 - $w_3 = \frac{1}{4}$ for particulate matter
- **CO_2 , NO_x and PM in brackets refer to:**
 - An “emission rating” based on gram per ton-mile emissions

Award Criteria: Shipper, *continued*



-  About five percent of SmartWay Shipper Partners that demonstrate top environmental performance will be selected as semifinalists
- **Semifinalist Criteria #1:**
Demonstrate that effectively **98 percent of miles or ton-miles** shipped are with SmartWay Partners
 - **Semifinalist Criteria #2:**
Demonstrate top environmental performance based on a weighted average of three environmental metrics results from the SmartWay Shipper Tool
50% CO₂ + 25% NO_x + 25% PM (in g/ton-mile metric)

Shippers: Award Criteria Size Definition



- 🌿 Awards given in three Shipper categories based on relative size of freight operations
 - Large Shipper: 500 million or greater annual miles shipped
 - Medium Shipper: Between 25 million and 500 million annual miles shipped
 - Small Shipper: 25 million or fewer annual miles shipped
- 🌿 Eligible Shipper partners will be contacted and invited to submit a semifinalist application

Shipper Tool Data Input Requirements



 Annual activity data includes:

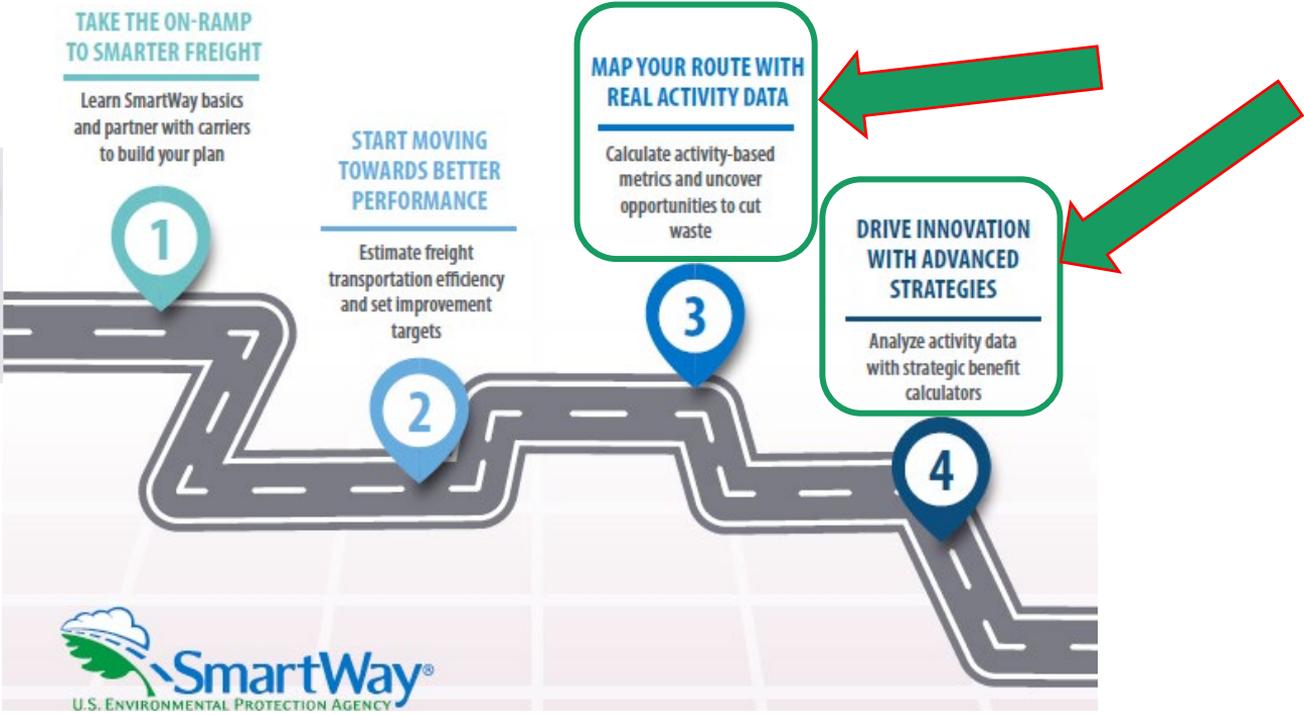
- Total Miles
- Total Ton-Miles
- Average Payload

 Way 3 and Way 4 Shipper participation

SmartWay Award & Shipper Participation



F O U R
WAYS TO JOIN
SmartWay



Logistics: Award Criteria



-  About five percent of SmartWay Logistics Partners that demonstrate top environmental performance will be selected as semifinalists
- **Semifinalist Criteria #1:**
Demonstrate that effectively 80 percent of miles or ton-miles shipped are with SmartWay Partners
 - **Semifinalist Criteria #2:**
Demonstrate top environmental performance based on a weighted average of six environmental metrics results from the SmartWay Logistics Tool
 $\frac{1}{6} \text{ CO}_2 \text{ g/ton-mi} + \frac{1}{6} \text{ NO}_x \text{ g/ton-mi} + \frac{1}{6} \text{ PM g/ton-mi} + \frac{1}{6} \text{ CO}_2 \text{ g/mi} + \frac{1}{6} \text{ NO}_x \text{ g/mi} + \frac{1}{6} \text{ PM g/mi}$

Award Criteria: Logistics, *continued*



Individual Logistics Fleet Composite Score:

$$\underbrace{\frac{1}{6} [\text{CO}_2] + \frac{1}{6} [\text{NOx}] + \frac{1}{6} [\text{PM}]}_{\text{grams per ton-mile}} + \underbrace{\frac{1}{6} [\text{CO}_2] + \frac{1}{6} [\text{NOx}] + \frac{1}{6} [\text{PM}]}_{\text{grams per mile}}$$

Performance Rankings	Logistics Business Units

Click down arrows to filter data by column categories. Select one or more items in the dropdown checklists.

Note: g/m=grams/mile and g/tm=g/ton-mile

			Performance Rankings and Emission Factors											
			Grams per Mile						Grams per Ton-mile					
Carrier	Fleet Name	Fleet Type	g/m CO2 Rank	g/m CO2	g/m NOx Rank	g/m NOx	g/m PM Rank	g/m PM	g/tm CO2 Rank	g/tm CO2	g/tm NOx Rank	g/tm NOx	g/tm PM Rank	g/tm PM
	Logistics Fleet Name #1	Logistics Private	4	1950	4	9.4	4	0.35	3	109.5	2	0.43	3	0.0175
	Logistics Fleet Name #2	Logistics For-Hire	4	1950	4	9.4	4	0.35	2	100.5	3	0.57	3	0.0175
	Logistics Fleet Name #3	Logistics For-Hire	5	2250	5	11.4	5	0.45	5	127.5	5	0.85	5	0.0275

Logistics: Award Criteria Size Definition



 Awards given in three Logistics categories based on relative size of freight operations

- Large Logistics: 200 million or greater annual miles shipped
- Medium Logistics: Between 10 million and 200 million annual miles shipped
- Small Logistics: 10 million or fewer annual miles shipped

 Eligible Logistics Partners will be contacted and invited to submit a semifinalist application

2021 SmartWay Excellence Awards – EPA Criteria

WHAT ARE THE SMARTWAY EXCELLENCE AWARDS?

The SmartWay Excellence Awards are EPA's means to recognize Partners that have optimized the environmental performance and efficiency of their freight management operations.

The SmartWay Excellence Award program recognizes approximately the top two percent of Partners with superior environmental performance.



To be eligible for consideration, qualified companies must have timely and accurate submittal of required data in the 2020 reporting cycle for all Partner categories (i.e., be Partners in good standing). For carriers, EPA must also have received a timely submission of the 2021 Tool.



EPA makes a full review each year of every Partner's SmartWay Tool submission to assess qualifications for award consideration.



Semifinalists in selected Partner categories will be contacted to submit an application.



All Excellence Award finalists will be screened for any adverse environmental actions that may prohibit public recognition for their SmartWay achievements.



EPA will notify those Partners that are selected as Awardees.



TIMELINE AND NOTIFICATION

JANUARY: The SmartWay Award process and data review commences. EPA identifies candidates using data submitted via the 2020 SmartWay Tool, from all Partner categories.

MARCH: Shipper, logistics and multimodal carrier semifinalists are identified and invited to submit supplemental information. Other carriers do not submit supplemental information.

APRIL 26, 2021: Submission deadline for supplemental information from shipper, logistics and multimodal carrier semifinalists.

JUNE/JULY: Final reviews and adverse environmental actions screening.

AUGUST: Awardees notification (no public announcement until fall).

OCTOBER: Announcement of Award recipients.



CARRIER CRITERIA

For each truck and multimodal fleet category, EPA identifies candidates that demonstrate top environmental performance. Performance is based on an equal weighting of all environmental metrics results from the SmartWay Carrier Tool (i.e. $\frac{1}{2}$ CO₂ g/ton-mi + $\frac{1}{2}$ NO_x g/ton-mi + $\frac{1}{2}$ PM g/ton-mi + $\frac{1}{2}$ CO₂ g/mi + $\frac{1}{2}$ NO_x g/mi + $\frac{1}{2}$ PM g/mi). Eligible multimodal carrier Partners will be invited to submit an Award semifinalist application. Exceptions for barge and rail carriers are noted below.

BARGE

Barge carriers are assessed based on a **50% CO₂ + 25% NO_x + 25% PM g/ton-mile** weighted result.

RAIL

Rail carriers are assessed based on a **50% CO₂ + 25% NO_x + 25% PM g/gross ton-mile** weighted result.

Awards will be given in carrier categories for truck, multimodal, barge and rail. The truck fleet carrier sub-categories are TL/Dry Van, Tanker, LTL/Dry Van, Specialized, Refrigerated, Package, Moving, Mixed, Heavy/Bulk, Flatbed, Dray, Expedited, and Auto Carrier.

<https://www.epa.gov/smartway/smartway-excellence-awardees#criteria>

Semifinalist Application Process



-  EPA will notify/invite all eligible semifinalists to apply
 - Clear and complete responses to application questions needed
-  Semifinalists submit an online application 
-  Partners requested to substantiate or document their efforts described on the application via:
 - Web links (preferred)
 - Limited digital attachments
 - No hard copies allowed
-  Semifinalist applications due: April 26, 2021

2021 Award Highlights



Awardee announcement

- Industry conference(s) or Virtual event
- Press release
- PSA
- Social media

Recognition

- Media coverage
- Peer recognition



2021 SmartWay Award Timeline

December 2020	Review and update Award criteria as appropriate.
February 2021	EPA announces 2021 Award program via SmartWay newsletter, email, website and webinars. EPA identifies Award candidates.
March 2021	Shipper, Logistics and Multimodal carrier semifinalists invited to submit supplemental information. Other carriers do not submit supplemental information.
April 26, 2021	Submission deadline for semifinalist application.
May/June/July 2021	EPA conducts final reviews and adverse environmental actions screening.
August 2021	Awardee Notification: There is no public announcement until fall.
October 2021	Public announcement of SmartWay Excellence Award recipients.

Important to Remember



-  Feel free to contact EPA with questions
-  EPA will contact your company:
 - When eligible, for additional information
 - For Award notification

Questions?



Thank You!



SmartWay website: <https://www.epa.gov/smartway>
SmartWay Hotline: 734-214-4767

Available Resource: [SmartWay Excellence Award Criteria Factsheet](#)

SmartWay email: smartway_transport@epa.gov

Joann Jackson-Stephens, SmartWay Brand Manager
Dr. Chien Sze, SmartWay Associate Director

