Welcome to the SmartWay Webinar Series

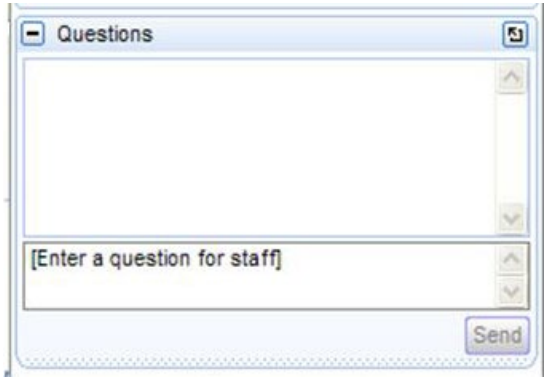
SmartWay®
U.S. Environmental Protection Agency

2020 SmartWay Logistics Tool Demonstration

July 22, 2020

Webinar Housekeeping

- Submit a question via the Questions pane on your GoTo control panel.



- After the presentation, as time permits, our EPA presenters will answer questions submitted via the Questions box.

- Please complete the survey at the end of today's webinar. Your feedback is important to us!

Webinar Housekeeping

The presentation will be available at:

www.epa.gov/smartway/smartway-webinars-events

Note: Today's webinar is being recorded.

Welcome!

SmartWay®
U.S. Environmental Protection Agency

Denise Kearns

Joshua Silverblatt

Webinar Overview

- SmartWay Background
- Value of efficiency and environmental performance in freight transportation
- SmartWay logistics tool demonstration
  - Data Inputs
  - Performance Outputs
  - Carrier ‘pull-thru’
- Question & Answer

SmartWay Background

- Market-based partnership
- Raise awareness around benefits of freight efficiency
- Strengthen the industry efficiency, competitiveness
- Collaboration
- Save fuel, money, and the environment

SmartWay Basics

- Suite of tools to assess fuel and emissions
- Common set of metrics to communicate efficiency and environmental performance
- Platform to collaborate and share best practices
- Recognition

Who Participates in SmartWay

SmartWay®
U.S. Environmental Protection Agency

2500+ Carriers

- Truck, rail, barge, intermodal, air
- Contract & Private

250+ Shippers

- F-500, medium and small businesses
- Retailers, food & beverage, electronics, CPG, home goods and more

600+ Logistics Service Providers

- Full service logistics providers
- Brokers
- Forwarders

Poll #1

- How would you characterize the logistics services you provide? (Select all that apply)

  - Freight Broker
  - Freight Forwarder
  - Digital Freight Forwarder
  - Full Service Logistics Provider

SmartWay for Logistics

Poll #2

- How important is sustainability to your shipper clients?
  - Very important, our clients ask for emissions data and/or other evidence of efficiency improvements we help them achieve on their network
  - Somewhat important, our clients ask us to participate in SmartWay or otherwise support their sustainability objectives
  - Not very important

Poll #3

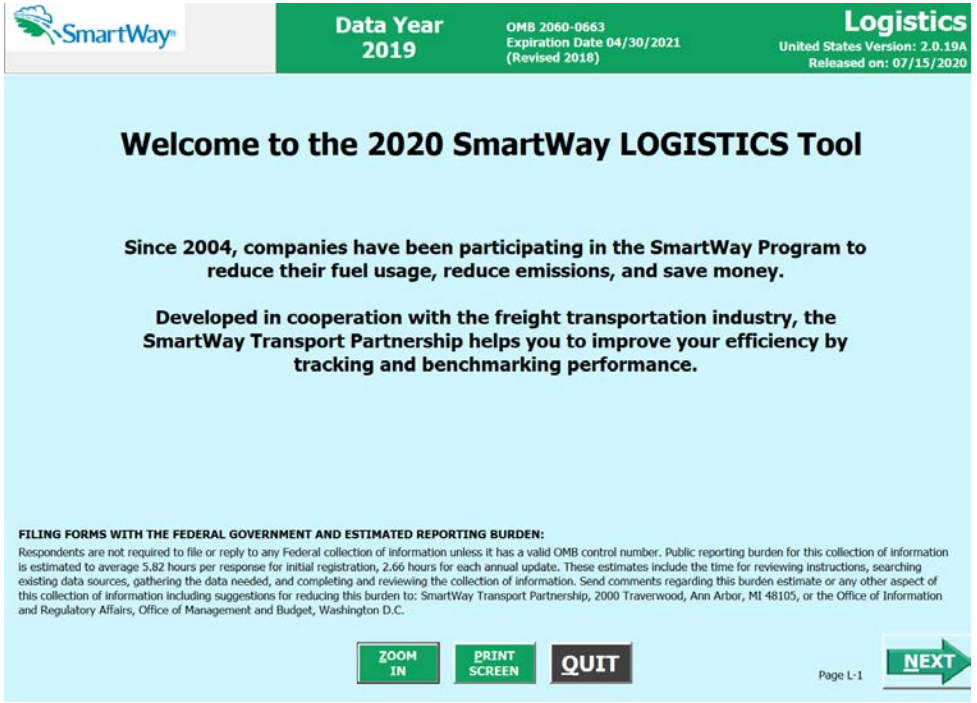
- As a logistics service provider how do you address freight sustainability and efficiency? (Select all that apply)
  - We have a sustainability plan in place
  - We have metrics, including SmartWay performance data, to measure and monitor freight emissions
  - Our company is a SmartWay partner
  - We encourage our shipper clients to join SmartWay
  - We encourage our carrier base to join SmartWay

What's New This Year

- USDOT numbers may now be eight digits (up from a maximum length of seven digits previously)
- Users can now enter payloads as low as 0.001 tons on the Activity screen.
- The Internal Metrics report has been undated to display five decimals for all pollutants.
- **Overall look and feel remains the same as last year!**

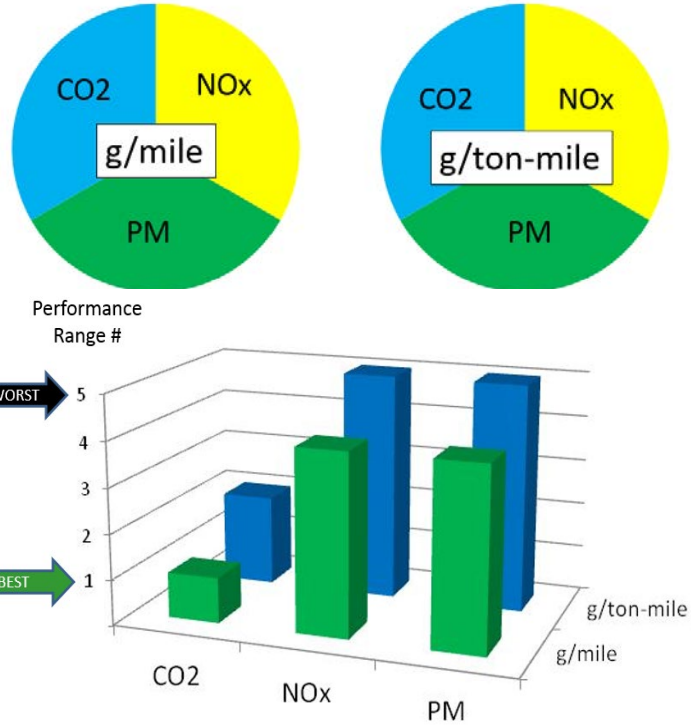
Logistics Tool Demonstration

The **2020 Logistics Tool** is available for download at the SmartWay website: https://www.epa.gov/smartway/smartway-logistics-company-partner-tools-and-resources



SmartWay Performance Rankings

- SmartWay provides standardized emission results and relative rankings for all SmartWay carriers at the fleet level
- Carriers are categorized by type (such as truckload dry van, flatbed, or tanker) to insure an apples to apples comparison
- Emissions: CO_2, NOx, and PM
- Metrics: grams/mile and grams/ton-mile
- Within categories/emissions & metrics carriers are ranked on a 1-5 scale (1 being best)
- The SmartWay system allows carriers to benchmark themselves and for logistics providers to see the relative performance of their carriers, allowing all entities to improve their performance



Understanding Logistics Emission Factors

You are the weighted sum of all the fleets you use

The fleets you use

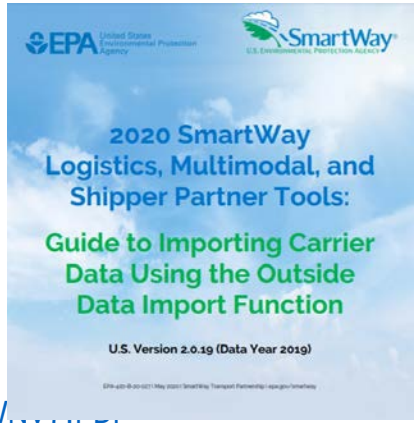
- Internal to your company
- Invisible to outsiders

The fleets your customers see

- The best way to improve your emission factor is to:
  - Increase the % of your carriers that are registered SmartWay carriers: If some of your carriers are not SmartWay, encourage the ones you use the most to join first!
  - Then use better performing SmartWay carriers (bin 1 is better than bin 2…)
  - And lastly, use more efficient modes such as rail or barge

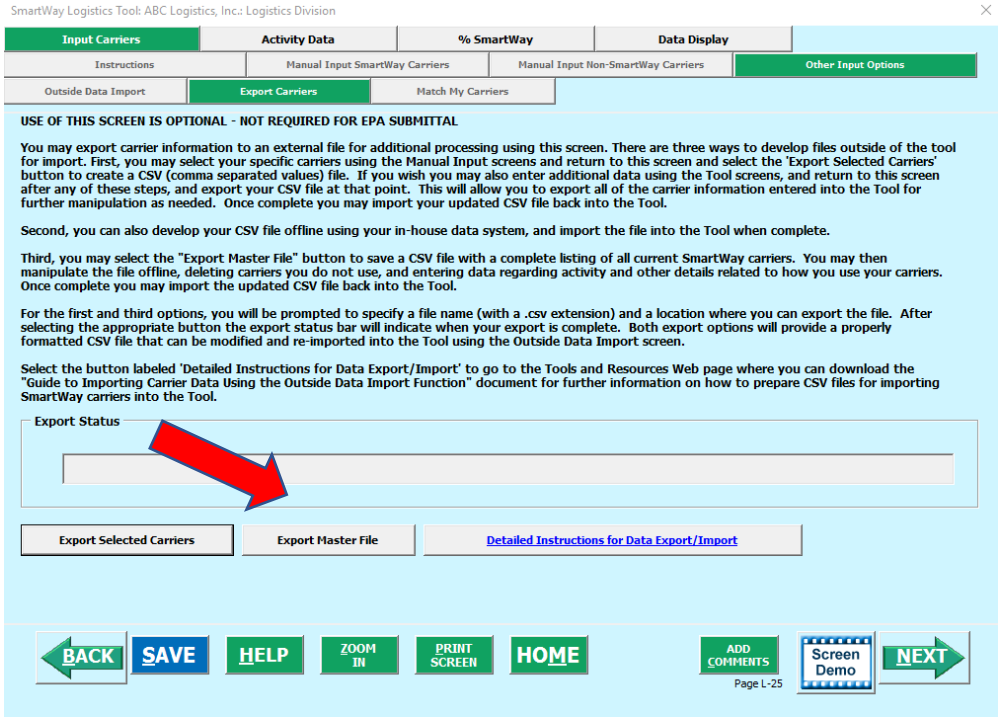
Options to Input your Data

- Data Import
- 1: Export a Master file and delete carriers you don't use
- 2. Manually build a CSV or XLSX file from Export Selected Carriers and modify it.
- 3. Start with your CSV from last year and add or subtract carriers
- 4: Create a .csv or .xlsx from scratch (use the example Carrier CSV file as a starting point)
- Carrier matching function
  - Best for companies with tens of thousands of carriers
  - Accessed in the SmartWay Partner Portal
  - Instruction manual: https://nepis.epa.gov/Exe/ZyPDF.cgi/P100WNV7.PDF?Dockey=P100W...



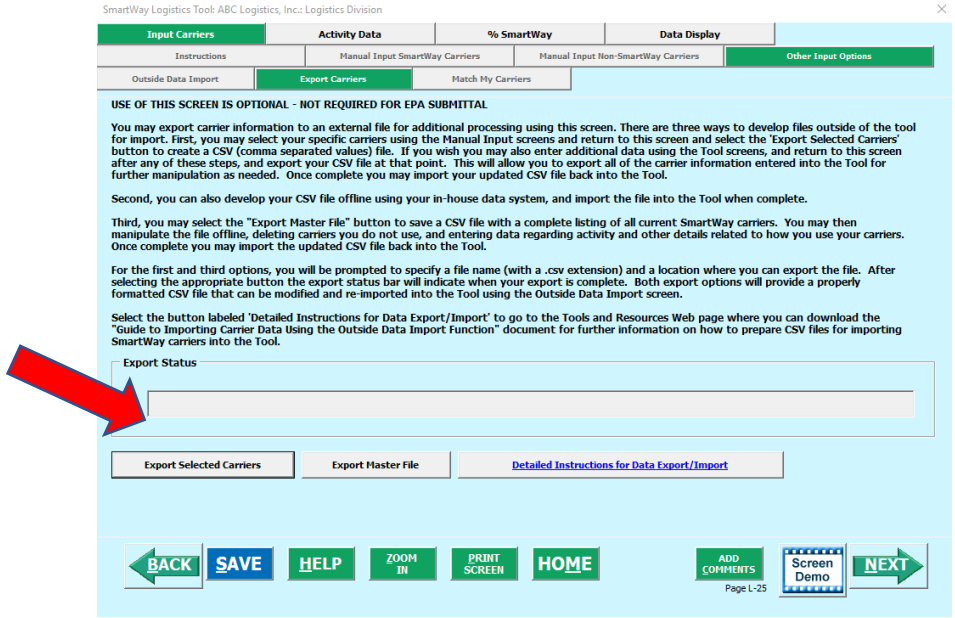
Input Carriers: Option 1

1. Export a Master CSV file and delete carriers you don't use
   - Good for a large number of carriers
   - Generate a CSV or XLSX using the Export Master File
   - Open in Excel and delete carriers (rows) you don't use
   - Enter data for your carriers
   - Does not require carrier matching



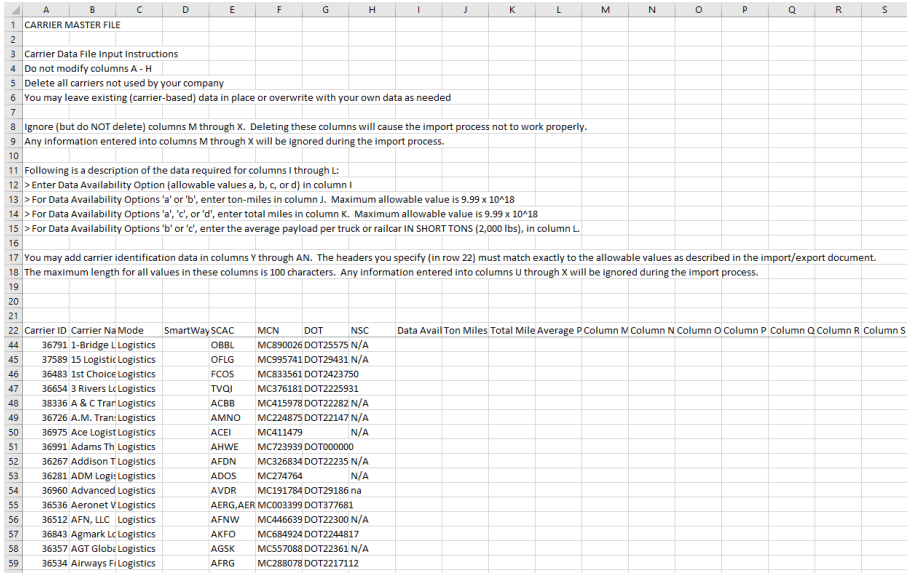
Input Carriers: Option 2

2. Manually build a CSV or XLSX file from Export Selected Carriers and modify it.
   - Good for smaller number of carriers
   - Manually select carriers from the tool and use the Export Selected Carriers Button
   - Open in Excel
   - Enter data for your carriers
   - Does not require carrier matching



Input Carriers: Option 3

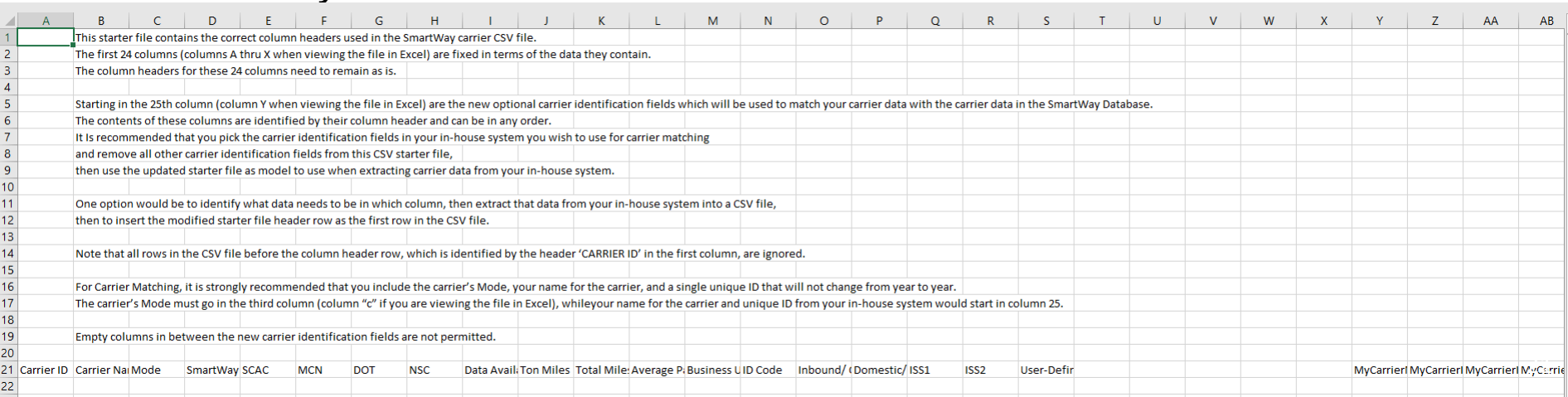
4. Start with your CSV from last year and add or subtract carriers
   - Best for carriers that don't change their carrier base often
   - Beware name changes or company reorganizations that may change your carrier's identification year-to-year
   - The csv format (columns) have changed in the last 3 years
   - Still workable – just follow the directions closely
   - You can always tweak your inputs manually



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1	CARRIER MASTER FILE																		
2																			
3	Carrier Data File Input Instructions																		
4	Do not modify columns A - H																		
5	Delete all carriers not used by your company																		
6	You may leave existing (carrier-based) data in place or overwrite with your own data as needed																		
7																			
8	Ignore (but do NOT delete) columns M through X. Deleting these columns will cause the import process not to work properly.																		
9	Any information entered into columns M through X will be ignored during the import process.																		
10																			
11	Following is a description of the data required for columns I through L:																		
12	> Enter Data Availability Option (allowable values a, b, c, or d) in column I																		
13	> For Data Availability Options 'a' or 'b', enter ton-miles in column J. Maximum allowable value is 9.99 x 10^18																		
14	> For Data Availability Options 'a', 'c', or 'd', enter total miles in column K. Maximum allowable value is 9.99 x 10^18																		
15	> For Data Availability Options 'b' or 'c', enter the average payload per truck or railcar IN SHORT TONS (2,000 lbs), in column L.																		
16																			
17	You may add carrier identification data in columns Y through AN. The headers you specify (in row 22) must match exactly to the allowable values as described in the import/export document.																		
18	The maximum length for all values in these columns is 100 characters. Any information entered into columns U through X will be ignored during the import process.																		
19																			
20																			
21																			
22	Carrier ID	Carrier Na	Mode	SmartWay	SCAC	MCN	DOT	NSC	Data Avail	Ton Miles	Total Mile	Average P	Column M	Column N	Column O	Column P	Column Q	Column R	Column S
44	36791	1-Bridge L	Logistics		OBBL	MC890026	DOT25575	N/A											
45	37589	15 Logistic	Logistics		OFLG	MC995741	DOT29431	N/A											
46	36483	1st Choice	Logistics		FCOS	MC833561	DOT2423750												
47	36654	3 Rivers Lc	Logistics		TVQI	MC376181	DOT2225931												
48	38336	A & C Tran	Logistics		ACBB	MC415978	DOT22282	N/A											
49	36726	A.M. Tran:	Logistics		AMNO	MC224875	DOT22147	N/A											
50	36975	Ace Logist	Logistics		ACEI	MC411479		N/A											
51	36991	Adams Th	Logistics		AHWE	MC723939	DOT000000												
52	36267	Addison T	Logistics		AFDN	MC326834	DOT22235	N/A											
53	36281	ADM Logi:	Logistics		ADOS	MC274764		N/A											
54	36960	Advanced	Logistics		AVDR	MC191784	DOT29186	na											
55	36536	Aeronet V	Logistics		AERG,AER	MC003399	DOT377681												
56	36512	AFN, LLC	Logistics		AFNW	MC446639	DOT22300	N/A											
57	36843	Agmark Lc	Logistics		AKFO	MC684924	DOT2244817												
58	36357	AGT Globa	Logistics		AGSK	MC557088	DOT22361	N/A											
59	36534	Airways Fi	Logistics		AFRG	MC288078	DOT2217112												

Input Carriers: Option 4

4. Create a .csv or .xlsx from scratch using the example Carrier CSV file
   - Create with your in-house IT system
   - Use an example CSV file as a template
   - Use the Carrier Matching Function to identify which of your carriers are SmartWay



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB
1		This starter file contains the correct column headers used in the SmartWay carrier CSV file.																										
2		The first 24 columns (columns A thru X when viewing the file in Excel) are fixed in terms of the data they contain.																										
3		The column headers for these 24 columns need to remain as is.																										
4																												
5		Starting in the 25th column (column Y when viewing the file in Excel) are the new optional carrier identification fields which will be used to match your carrier data with the carrier data in the SmartWay Database.																										
6		The contents of these columns are identified by their column header and can be in any order.																										
7		It Is recommended that you pick the carrier identification fields in your in-house system you wish to use for carrier matching																										
8		and remove all other carrier identification fields from this CSV starter file,																										
9		then use the updated starter file as model to use when extracting carrier data from your in-house system.																										
10																												
11		One option would be to identify what data needs to be in which column, then extract that data from your in-house system into a CSV file,																										
12		then to insert the modified starter file header row as the first row in the CSV file.																										
13																												
14		Note that all rows in the CSV file before the column header row, which is identified by the header 'CARRIER ID' in the first column, are ignored.																										
15																												
16		For Carrier Matching, it is strongly recommended that you include the carrier's Mode, your name for the carrier, and a single unique ID that will not change from year to year.																										
17		The carrier's Mode must go in the third column (column "c" if you are viewing the file in Excel), whileyour name for the carrier and unique ID from your in-house system would start in column 25.																										
18																												
19		Empty columns in between the new carrier identification fields are not permitted.																										
20																												
21	Carrier ID	Carrier Na	Mode	SmartWay	SCAC	MCN	DOT	NSC	Data Avail	Ton Miles	Total Mile	Average P	Business U	ID Code	Inbound/ (	Domestic/	ISS1	ISS2	User-Defir						MyCarrierI	MyCarrierI	MyCarrierI	MyCarrie
22																												

Carrier Matching Starter File

- Enter your carrier activity information in columns:
  - I (data availability); J (ton miles); K (total miles); L (avg payload)
- Copy and paste the names of all the carriers you use in column Y
- The remaining columns (Z – AL) are used to enter other identification fields to match with SmartWay partners, such as:
  - SCAC (column AC); MCN (column AD); DOT (column AE)
  - Note: eliminate any of the columns in Z – AL that do not contain data, this will allow the upload process to run faster
- Upload your completed Starter CSV file into the Portal (Step 2)

Carrier Matching

(1) Create your carrier CSV file using in-house system and carrier matching starter file

(2) Upload your carrier CSV file into the SmartWay Portal carrier matching function

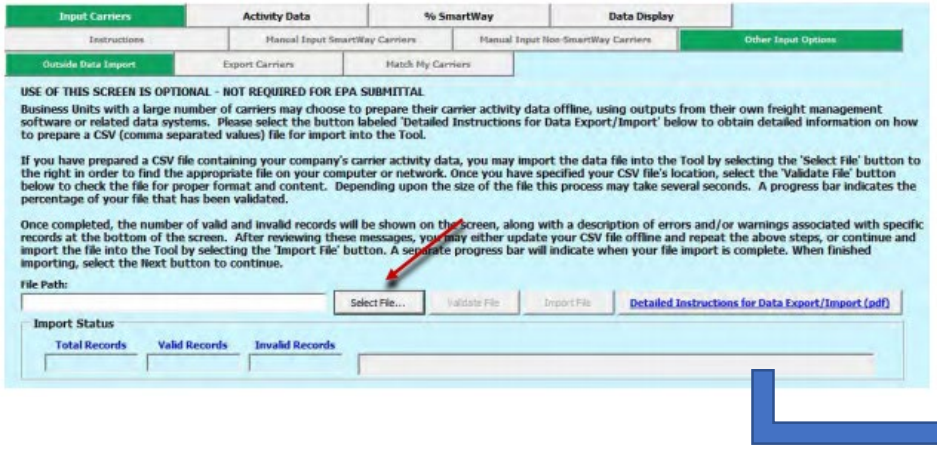
(3) Export your matched carrier CSV file from the SmartWay portal

(4) Import your matched carrier CSV file into this Tool

(5) Edit your carrier identification information

Carrier Matching Cont'd

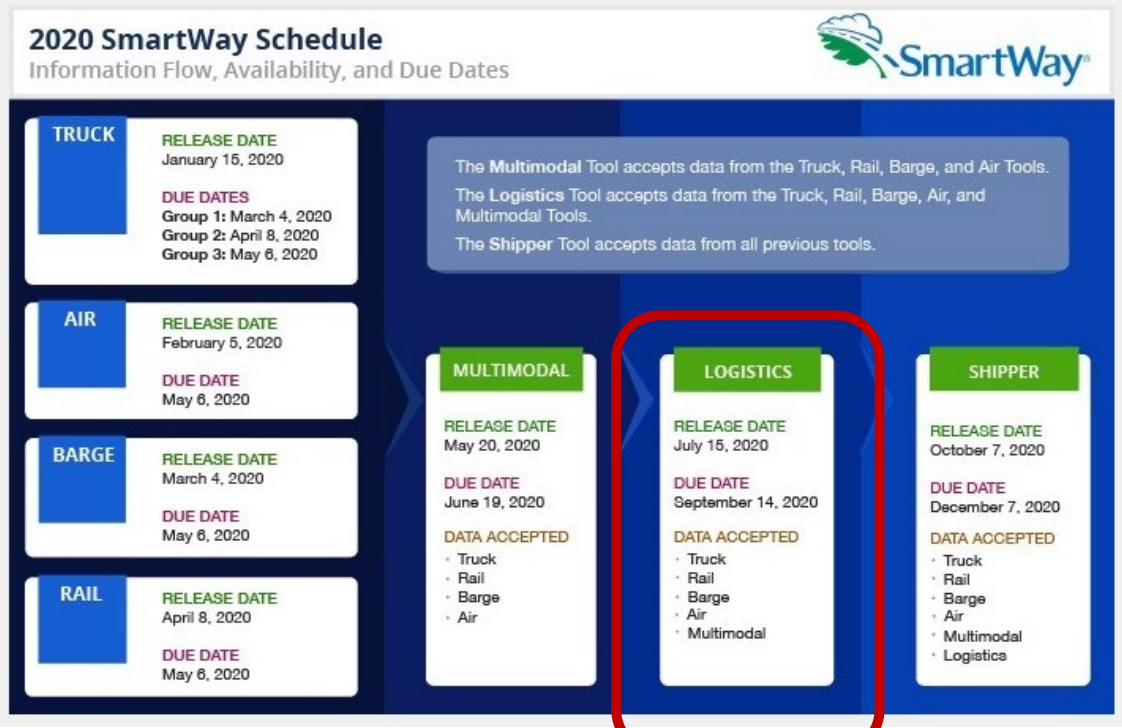
- Once you have created your matched carrier data from the SmartWay Portal, you will import it into your SmartWay Tool (Step 4)
- Once you have imported your file into the Tool, you may augment, correct, or modify any of the carrier data using the Tool screens (Step 5)



Please Remember

- SmartWay is a partnership – we rely on our SmartWay contacts
  - Have a backup contact to insure continuity for temporary absences
  - Have a succession plan so someone is ready if your job changes
- Keeping all SmartWay tools in the same folder makes year over year comparisons easy
- It's pretty much the same year-to-year; i.e., data requirements don't change.
- SmartWay offers business intelligence – it's there for you to use for company
- We're here for you – An experienced Partner Account Manager (PAM) is assigned to your company to offer assistance and answer your questions. **Do you know yours!?**

2020 SmartWay Tool Schedule



Thank you for your attention! Questions?

SmartWay website: https://www.epa.gov/smartway
SmartWay Hotline: 734-214-4767
SmartWay email: smartway_transport@epa.gov