EPA's Clean Diesel Programs

The SmartWay Transport Partnership, National Clean Diesel Campaign, Ports Initiative, and Midwest Clean Diesel Initiative

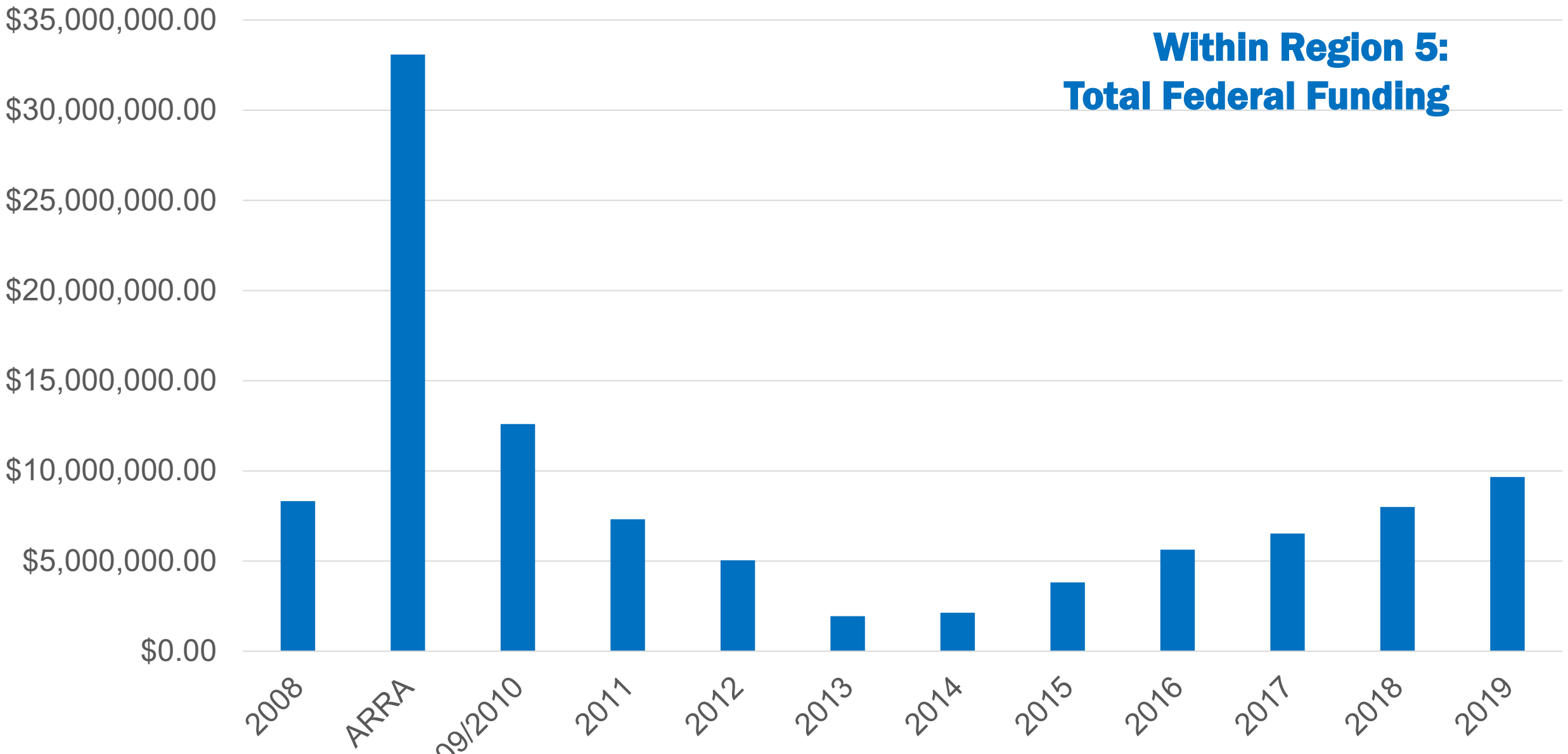
SmartWay®
U.S. Environmental Protection Agency

- **Why clean diesel programs?**
  - **Transportation-related pollutants and their impacts**
- **How EPA can help**
  - **National Clean Diesel Campaign, Midwest Clean Diesel Initiative, Ports Initiative**
- **What you can do**
  - **EPA's SmartWay Transport Partnership**

Diesel Emissions Reduction Act (DERA)

- Provides funding, on a competitive basis, to eligible entities, to achieve significant reductions in diesel emissions in terms of pollution produced and diesel emissions exposure, particularly from fleets operating in areas designated by the Administrator as poor air quality areas
- Funds projects using an EPA or CARB-certified engine configuration or a verified technology (aka retrofit)

Within Region 5:
Total Federal Funding



	2008	ARRA	2009/2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Competitive Grants Awarded:	**17**	**12**	**11**	**7**	**4**	**2**	**2**	**6**	**4**	**7**	**8**	**5**

DERA Funding Still Increasing

Funding Year	R5 Competitive $	Awarded Grants
2019	$5,135,800	5
2020	$7,249,896	9
2021	$7,669,083	8

Regulatory Approaches

- Criteria Pollutant Regulations (PM and Ozone)
- Fuel Regulations
- Engine Standards

Voluntary Approaches:

- Midwest Clean Diesel Initiative (MCDI) National Clean Diesel Campaign (NCDC): administer Diesel Emission Reduction Act (DERA) funds

The Midwest Clean Diesel Initiative: History

EPA Region 5's clean diesel coalition, a part of EPA's National Clean Diesel Campaign

A public-private partnership formed in 2004 with a goal to address 1 million 'legacy' diesel engines by 2010 (we did!)

MCDI Steering Committee: State Coalition-based structure, meet yearly (next meeting Nov. 2-4, 2021 [virtual])

The Midwest Clean Diesel Initiative: History

(continued)

Communication tools:

- www.epa.gov/midwestcleandiesel
- Monthly Steering Committee Calls
  - Members then provide info to their partners/networks
- Webinars
  - Invites come from Tony via Steering Committee members
- Frank Acevedo and I present information and help promote programs at partners' meetings/conferences

What We Will Do Together In 2022

Continue our Focus on Ports and Goods Movement

- Vehicles, equipment, and vessels that operate at and serve ports, and the nodes that are connected to them
- Goods movement centers of activity in priority areas, including:
  - Rail yards
  - Distribution centers
  - Intermodal Facilities

Continue to Reduce Diesel Emissions In Urban Areas and Areas of High Diesel Activity Near Adversely-Affected Populations

- Transit, local/public services and utilities, construction, school buses, etc
- Increased focus on community-level view of project areas, not just the county itself
- Increased focus on community interaction throughout the process

Continue to Utilize All Available Funding for Clean Diesel Projects

- EPA, CMAQ, VW, DOE, SEP, other alphabetical and non-alphabetical sources

EPA's Ports Initiative

Promoting clean air best practices at ports

EPA PORTS INITIATIVE

Through EPA tools and assistance in the five program areas, we aim to accelerate adoption of:

- **Cleaner technologies and other strategies**
- **Clean air planning practices** (emissions inventories, clean air plans, community engagement) that inform strategic clean air investments

External Stakeholders

- Port industry
- Local/state/federal agencies
- Community groups
- Environmental NGOs
- And more!

Funding

Technical Resources

Collaboration

Coordination

Communications

EPA

EPA Regional Offices
(R1 – R10)

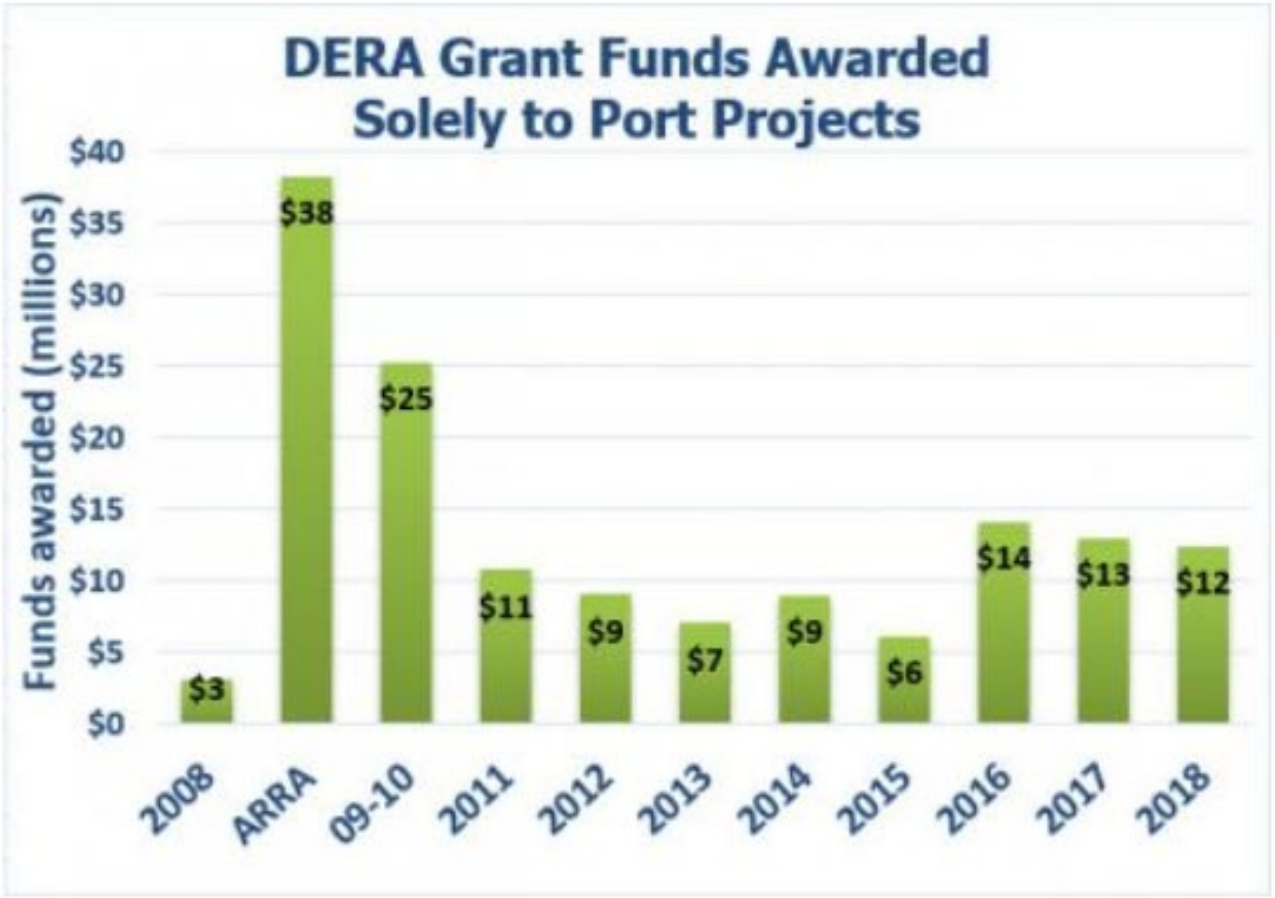
Office of Transportation and Air Quality
(OTAQ)

Office of Environmental Justice

Helping ports capitalize on funding for clean technologies

Funding

- DERA
  - Priority for port and other goods movement projects.
  - Extra points for inventories, clean air plans, community engagement.
    - DOT funding programs now includes similar criteria
- EPA Regional staff helping to make connections to other funding sources.

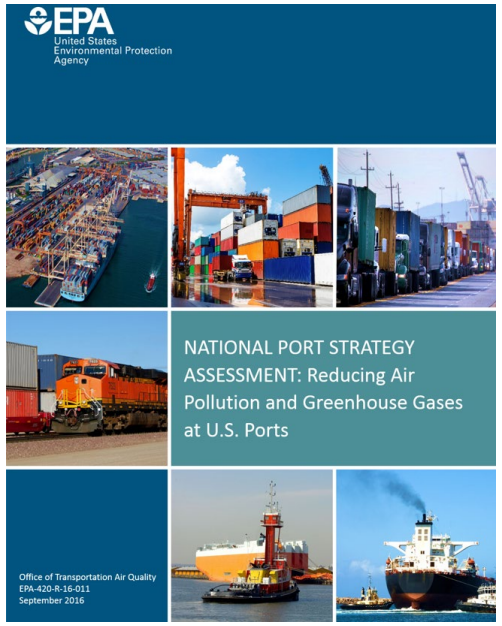


- Searchable table of local, state, federal, and other funding opportunities on our website:

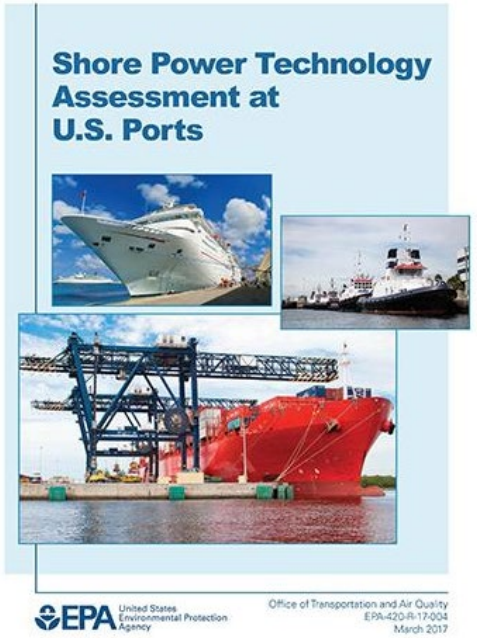
www.epa.gov/ports-initiative/funding-opportunities-ports-and-near-port-communities

Providing tools to help identify smart infrastructure investments

Technical Resources

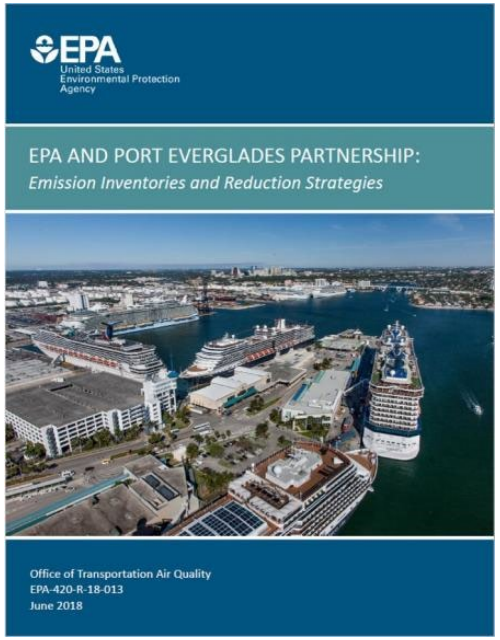


National Port Strategy Assessment: Reducing Air Pollution and Greenhouse Gases at U.S. Ports
September 2016
www.epa.gov/ports-initiative/national-port-strategy-assessment-reducing-air-pollution-and-greenhouse-gases-us

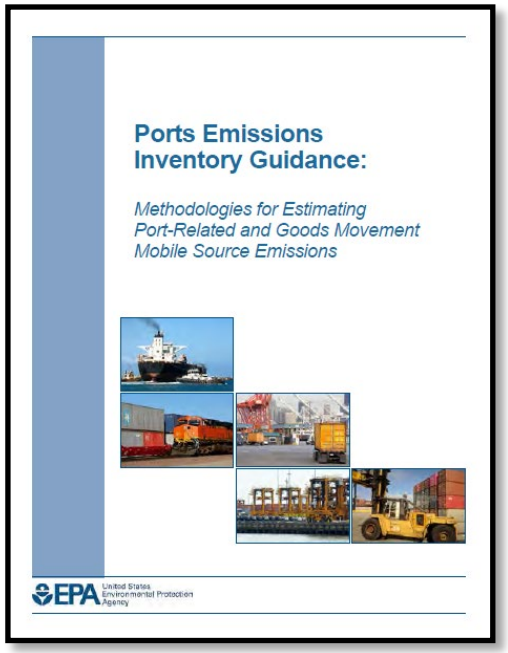


Shore Power Technology Assessment at U.S. Ports*
April 2017
www.epa.gov/ports-initiative/shore-power-technology-assessment-us-ports

***Update planned for later this year**



EPA, Port Everglades Report Shines Light on New Methods for Analyzing Potential Air Pollution Reductions
June 2018
www.epa.gov/ports-initiative/epa-and-port-everglades-partnership-emission-inventories-and-reduction-strategies

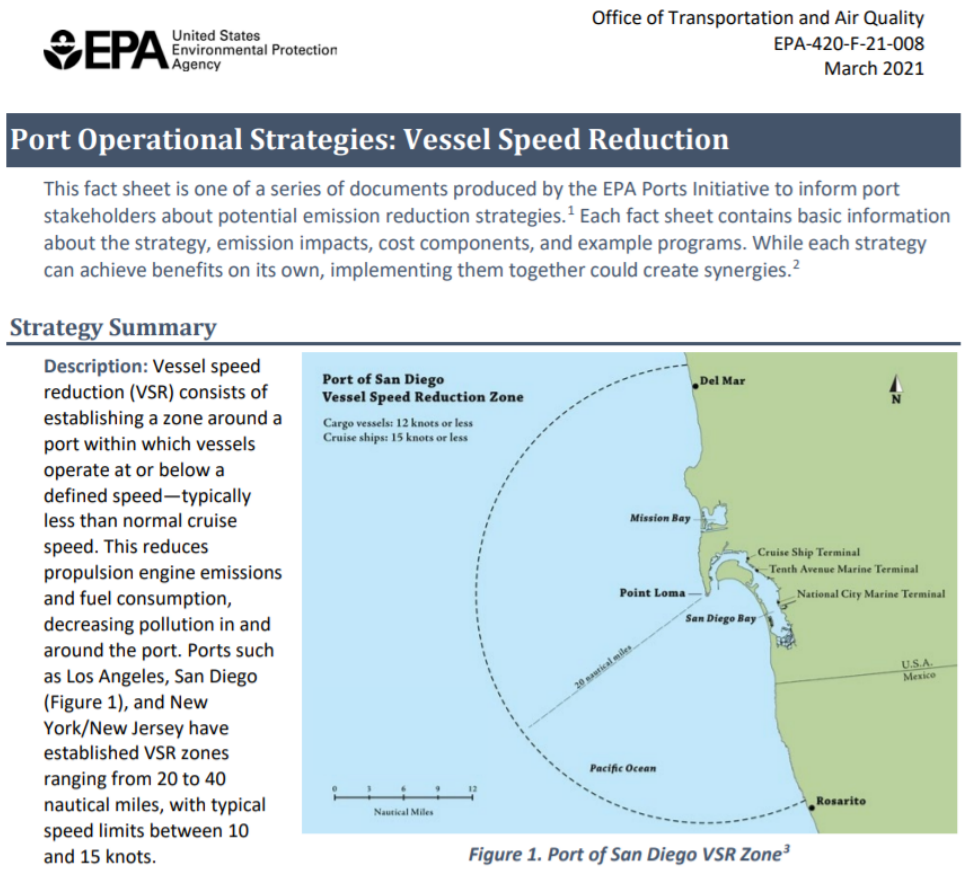


Port Emissions Inventory Guidance: Methodologies for Estimating Port-Related and Goods Movement Mobile Source Emissions, September 2020
https://www.epa.gov/ports-initiative/port-and-goods-movement-emission-inventories

New: Port Operational Strategy Fact Sheets

Technical Resources

- Port Gate Management Strategies
- Management Information Systems
- Marine Vessel Speed Reduction
- Virtual Vessel Arrival Systems



EPA United States Environmental Protection Agency

Office of Transportation and Air Quality
EPA-420-F-21-008
March 2021

Port Operational Strategies: Vessel Speed Reduction

This fact sheet is one of a series of documents produced by the EPA Ports Initiative to inform port stakeholders about potential emission reduction strategies.[1] Each fact sheet contains basic information about the strategy, emission impacts, cost components, and example programs. While each strategy can achieve benefits on its own, implementing them together could create synergies.[2]

Strategy Summary

Description: Vessel speed reduction (VSR) consists of establishing a zone around a port within which vessels operate at or below a defined speed—typically less than normal cruise speed. This reduces propulsion engine emissions and fuel consumption, decreasing pollution in and around the port. Ports such as Los Angeles, San Diego (Figure 1), and New York/New Jersey have established VSR zones ranging from 20 to 40 nautical miles, with typical speed limits between 10 and 15 knots.

Figure 1. Port of San Diego VSR Zone[3]

https://www.epa.gov/ports-initiative/technical-resources-ports#operational

Promoting community-port collaboration for effective planning

Collaboration

Port of Savannah Tour

Collaboration Training

- Tools and training:
  - ***Ports Primer for Communities***
  - ***Community Action Roadmap***
  - ***EJ Primer for Ports***, including Good Neighbor Roadmap
- Case studies on pilot projects in Providence (R1), Savannah (R4), New Orleans (R6), Seattle (R10)
- Regional staff convening stakeholders, supporting use of above EPA resources at ports and railyards across the country.
- ***New***: FY21 EJ Small Grants RFA emphasis on Ports Initiative projects

www.epa.gov/community-port-collaboration

Creating a Knowledge Clearinghouse

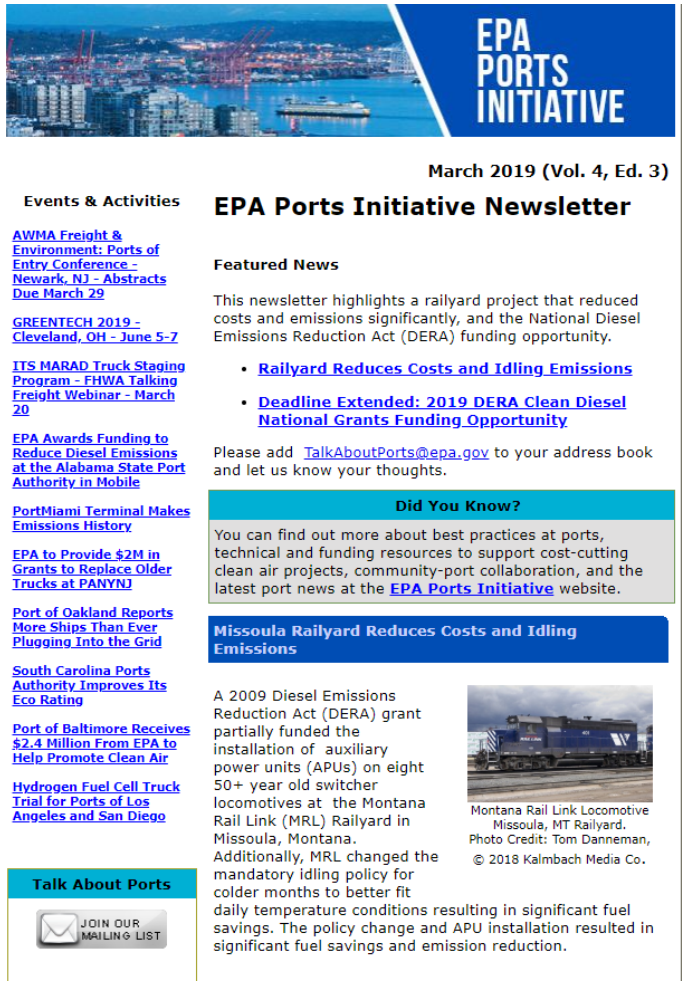
Communications

Headquarters and Regions developing web resources, hosting public events, and engaging stakeholders to promote clean air projects.

Examples:

- Updated website, enhancements ongoing – ***new resources highlighted on following slides.***
- Real-world examples/snapshots.
- Regular e-newsletters.

www.epa.gov/ports-initiative



EPA PORTS INITIATIVE

March 2019 (Vol. 4, Ed. 3)

Events & Activities

AWMA Freight & Environment: Ports of Entry Conference - Newark, NJ - Abstracts Due March 29

GREENTECH 2019 - Cleveland, OH - June 5-7

ITS MARAD Truck Staging Program - FHWA Talking Freight Webinar - March 20

EPA Awards Funding to Reduce Diesel Emissions at the Alabama State Port Authority in Mobile

PortMiami Terminal Makes Emissions History

EPA to Provide $2M in Grants to Replace Older Trucks at PANYNJ

Port of Oakland Reports More Ships Than Ever Plugging Into the Grid

South Carolina Ports Authority Improves Its Eco Rating

Port of Baltimore Receives $2.4 Million From EPA to Help Promote Clean Air

Hydrogen Fuel Cell Truck Trial for Ports of Los Angeles and San Diego

Talk About Ports

JOIN OUR MAILING LIST

EPA Ports Initiative Newsletter

Featured News

This newsletter highlights a railyard project that reduced costs and emissions significantly, and the National Diesel Emissions Reduction Act (DERA) funding opportunity.

- Railyard Reduces Costs and Idling Emissions
- Deadline Extended: 2019 DERA Clean Diesel National Grants Funding Opportunity

Please add TalkAboutPorts@epa.gov to your address book and let us know your thoughts.

Did You Know?

You can find out more about best practices at ports, technical and funding resources to support cost-cutting clean air projects, community-port collaboration, and the latest port news at the EPA Ports Initiative website.

Missoula Railyard Reduces Costs and Idling Emissions

A 2009 Diesel Emissions Reduction Act (DERA) grant partially funded the installation of auxiliary power units (APUs) on eight 50+ year old switcher locomotives at the Montana Rail Link (MRL) Railyard in Missoula, Montana. Additionally, MRL changed the mandatory idling policy for colder months to better fit daily temperature conditions resulting in significant fuel savings. The policy change and APU installation resulted in significant fuel savings and emission reduction.

Montana Rail Link Locomotive Missoula, MT Railyard. Photo Credit: Tom Danneman, © 2018 Kalmbach Media Co.

Best Practices Web Area Update

Communications

- Best clean air practices generally and for each mobile source sector:
  - Port-wide planning
    - Linking to interactive map
  - Drayage Trucks
  - Rail Facilities
  - Ocean Going Vessels
  - *Coming soon:*
    - *Cargo Handling Equipment*
    - *Harbor Craft*

- Information:
  - Overview of practice
  - Technical resources
  - Tips on performance targets and data collection
  - Real world examples

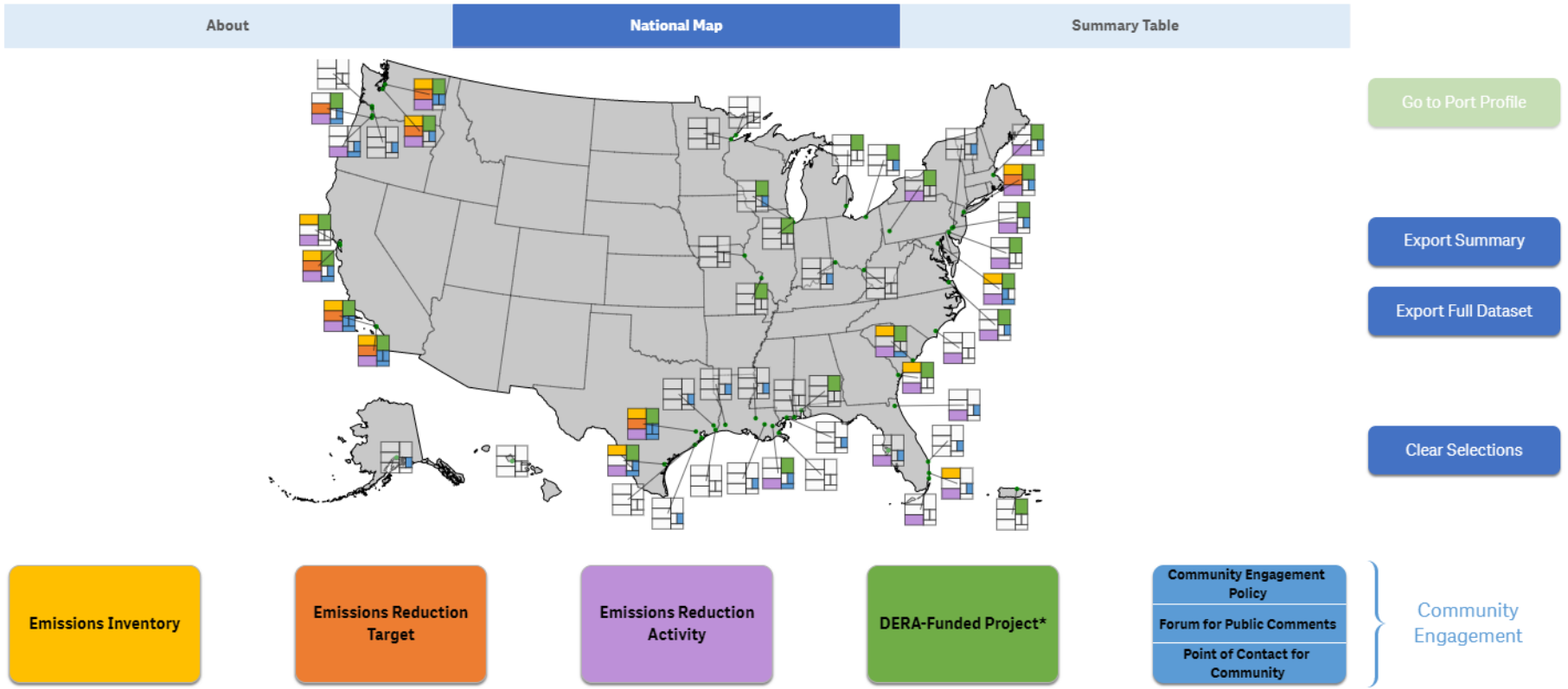
REAL-WORLD EXAMPLES

Interactive Map Highlighting Clean Air Practices at Ports

Communications

Clean Air Practices at Ports

This EPA Ports Initiative tool brings together real-world examples of emissions reduction activities as well as key practices highlighted in the Best Port-Wide Planning Practices to Improve Air Quality webpage. These data were gathered from a review of public websites and EPA's Diesel Emissions Reduction Act (DERA) grant funding for the ports featured in the Bureau of Transportation Statistics' Port Performance Freight Statistics: Annual Report to Congress from 2018 and 2019. To see examples of where each practice is in place, select a button below the map. To learn details about a specific port's practices, select a port on the map and then click on the "Go to Port Profile" button.
Questions or comments? Contact us at talkaboutports@epa.gov.



www.epa.gov/ports-initiative/best-port-wide-planning-practices-improve-air-quality

CASE STUDIES

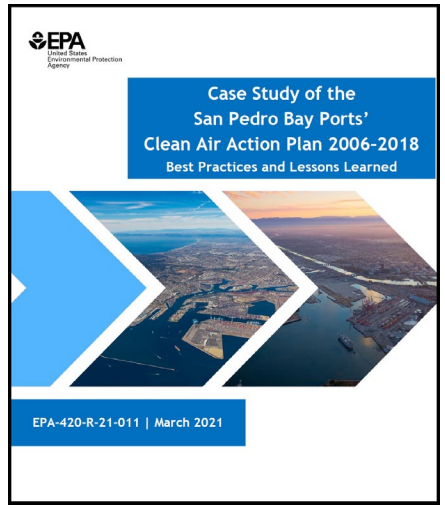
Case Study of San Pedro Bay Ports Clean Air Action Plan (CAAP)

Communications

- Highlighting aspects of the Ports of Los Angeles and Long Beach plan that can inform other port authorities and near-port communities across the country.

- Includes summary of 2006-2018 CAAP's background and history, and three focused discussions:
  - Environmental justice and levers of community influence
  - Technologies and practices for development and deployment
  - The 2017 Clean Truck Program

- Report and fact sheets: www.epa.gov/ports-initiative/san-pedro-bay-ports-clean-air-action-plan-best-practices-and-lessons-learned



REAL-WORLD EXAMPLES

Case Study: Air Pollution Reductions for the NY/NJ Harbor Deepening Project

Communications

- Federal, state, and local coordination to offset emissions over the life of the New York/New Jersey Harbor Deepening Project.
  - Regional Air Team formed before ground was broken.
  - Project emissions were offset by upgrading old engines on ferries and tugboats.
  - Proper tracking, analysis, and mitigation ensured project complied with Clean Air Act and provided lasting clean air benefits.

- Lessons learned:
  - Build in flexibility to accommodate changes to project schedules and vessel activity.
  - High level of coordination is key to success.
  - Technical work is critical to identify most cost-effective emissions reduction strategies.

www.epa.gov/ports-initiative/new-york-new-jersey-harbor-deepening-project-combines-infrastructure-improvements

Federal Government Justice40 Initiative

- Executive Order 14008 created government-wide Justice40 Initiative with goal of delivering 40% of overall benefits from federal investments in climate and clean energy to disadvantaged communities.
- Interim Guidance directs federal agencies to:
  - Develop a plan to engage with communities and other stakeholders
  - Identify benefits of programs
  - Propose methods to calculate and report on program benefits for disadvantaged communities
- DERA/Ports Initiative is one of six pilot programs at EPA.

- More information on Justice40 at EPA: https://www.epa.gov/system/files/documents/2021-09/slides-epa-natl-ej-engagement-call-aug-31_0.pdf
- Interim Guidance: https://www.whitehouse.gov/wp-content/uploads/2021/07/M-21-28.pdf

Justice40 – We Want Your Input!

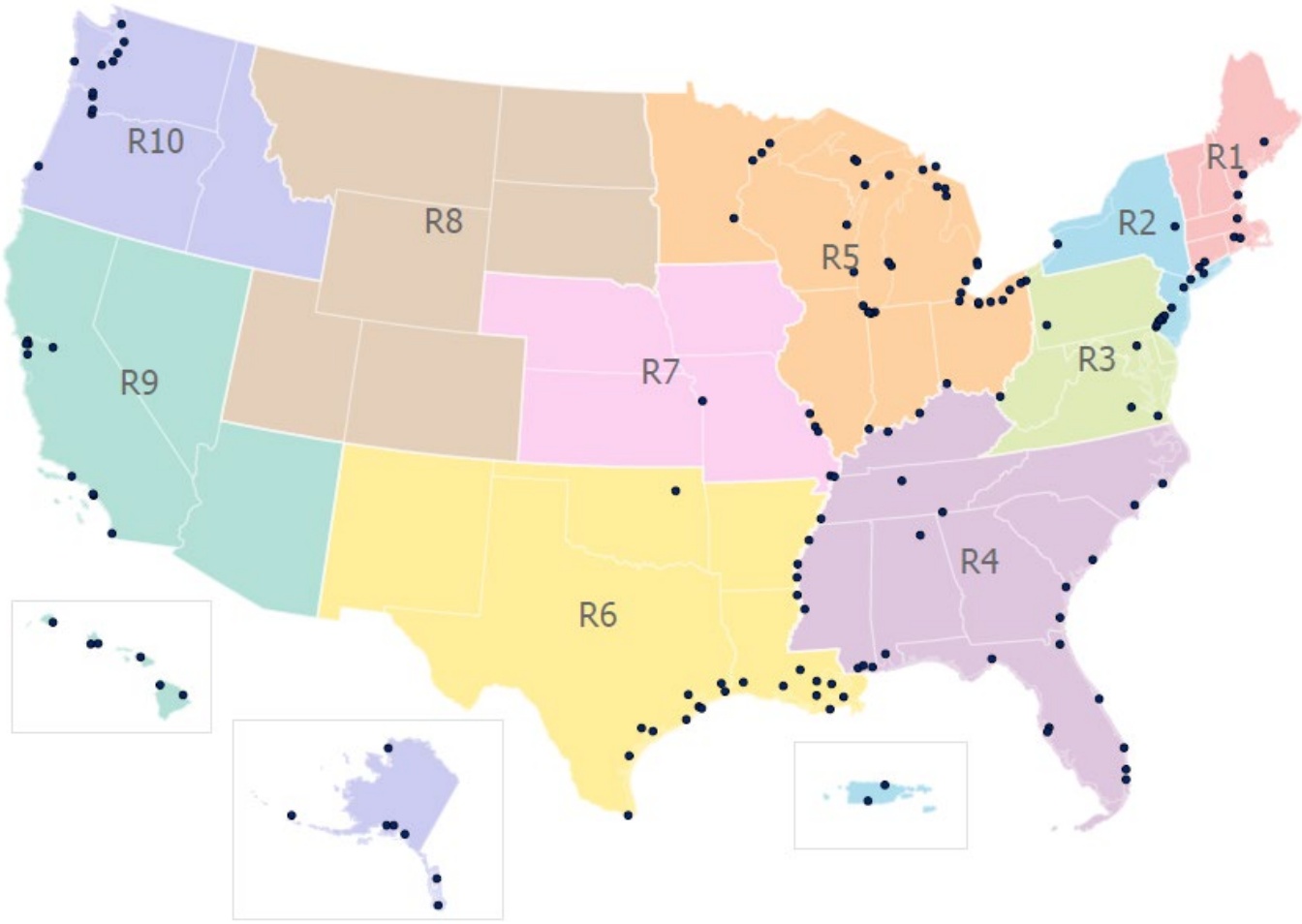
- EPA is seeking input on ways we can maximize benefits from the **DERA and Ports Initiative programs** in disadvantaged communities, including:
  - How should EPA determine benefits to a particular community for mobile source projects when vehicles travel between communities?
  - Are disadvantaged communities aware of DERA funding and its potential to help communities, and if not, how can EPA reach more communities and support them in partnering with eligible DERA applicants?
  - Are there additional ways EPA can help encourage meaningful community engagement and diesel emissions reductions in disadvantaged communities – both as part of DERA projects, and beyond the life of DERA projects (e.g. additional outreach, technical assistance, training, or other information resources)?

Keep in touch

Communications

Sarah Froman
Ports Initiative Team Lead
EPA Office of Transportation and Air Quality
202-343-9652
froman.sarah@epa.gov

Army Corps “Principal Ports” and EPA Regions



EPA's SmartWay Transport Partnership

What is SmartWay?

- Launched by freight industry leaders in 2004 as a voluntary, win-win, market-based program aiming to:
  - Improve U.S. freight efficiency
  - Highlight the freight industry's efforts to reduce emissions
  - Reduce dependence on foreign oil
  - Provide a standardized benchmarking and reporting system
  - Clean America's air

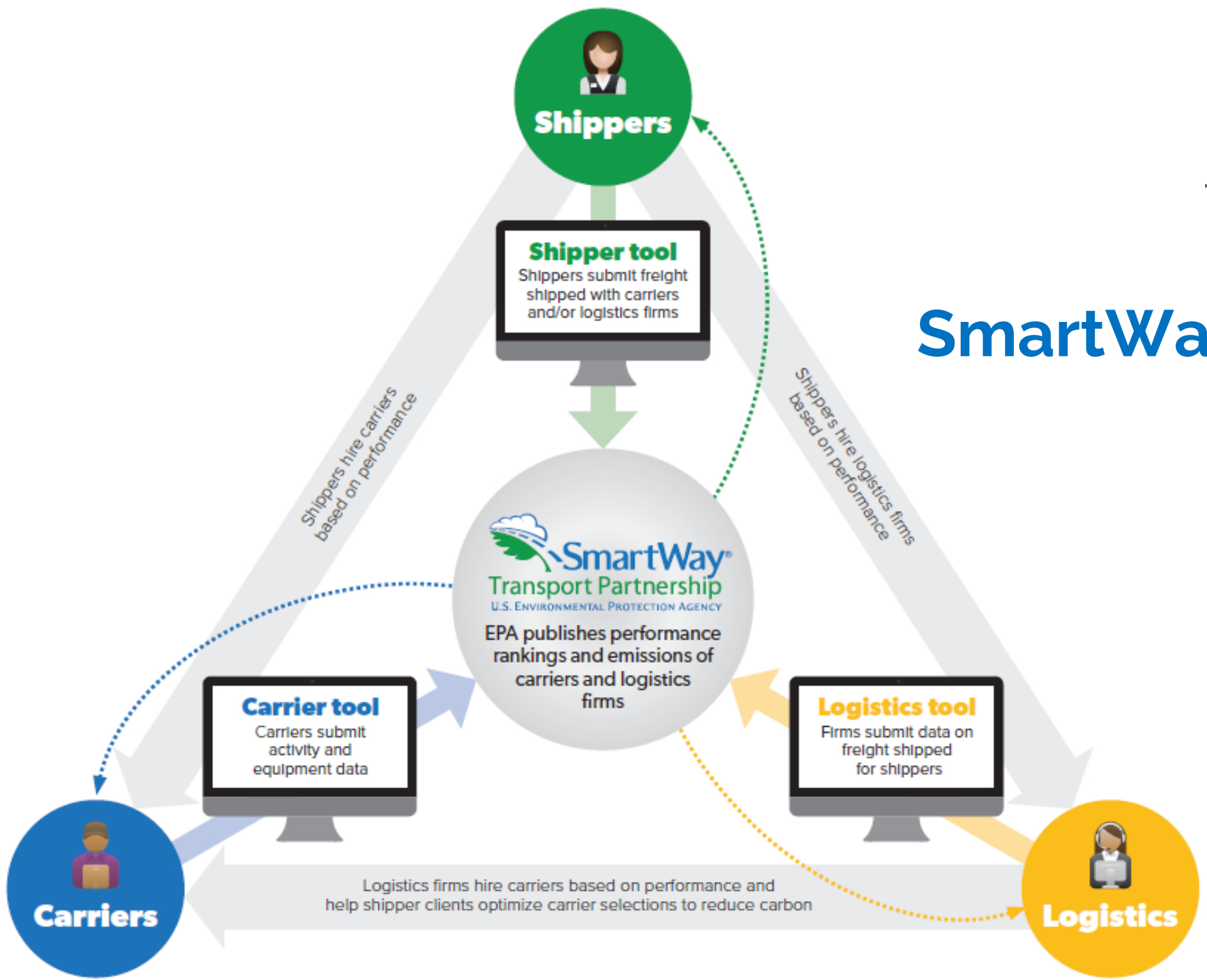
Why Freight Matters

- Goods and materials moved via truck, rail, water, and air are core to businesses and communities across America
  - $51.8 billion of goods shipped daily; $18.9 trillion annually
  - 18.6 billion tons annually
  - 56.9 tons per capita

- Logistics contributes to U.S. jobs and livelihoods
  - 13 M U.S. jobs related to freight
  - 8% of U.S. GDP ($1.6 trillion)

US DOT BTS, Transportation Statistics Annual Report 2020

SmartWay Data Process



What Data Do I Need

To participate in SmartWay, **carriers** need to gather the following essential information to complete the Carrier Tool:

Actual activity data for each fleet using one of the following data sets:

- Total fuel used
- Ton-miles and miles
- Ton-miles and average payload
- Total miles and average payload
- Description of data sources used to compile the activity data

What Data Do I Need

To participate in SmartWay, **shippers** need to gather the following essential information to complete the Shipper Tool:

Actual activity data for each carrier using one of the following data sets:

- Ton-miles and miles
- Ton-miles and average payload
- Total miles and average payload
- Description of data sources used to compile the activity data

Public Carrier Performance Data

Truck Carrier Data Year: 2018; Barge Carrier Data Year: 2018; Rail Carrier Data Year: 2018; Multimodal Carrier Data Year: 2017; Logistics Carrier Data Year: 2017;

Performance Rankings — TL/Dry Van

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 Category	Fleet Type	SCAC	MCN	US DOT	Canadian NSC	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
101 Transport, Inc.	Truck	TL/Dry Van	For-Hire	OZOT	625894	1705392	N/A	4	1675	5	5.3	5	0.042	3	86.5	5	0.31	5	0.0026
1527530 Ontario Inc./M&M Carriers	Truck	TL/Dry Van	For-Hire	MNMR	N/A	1159500	142970520	2	1495	5	5.3	5	0.042	2	79.5	4	0.25	5	0.0026
1541335 Ontario Inc./Road Link Xpress	Truck	TL/Dry Van	For-Hire	ROAD	442882	1063823	143440740	5	1765	4	4.3	5	0.042	5	100.5	4	0.25	5	0.0026
1542300 Ontario Inc. dba ASR Transportation Inc.	Truck	TL/Dry Van	For-Hire	OFTT	442369	1057019	N/A	1	1405	2	2.3	2	0.018	1	72.5	2	0.13	2	0.0011
1628939 Ontario Ltd. o/a P&D Freightlines	Truck	TL/Dry Van	For-Hire	PDGH	521737	1360591	N/A	4	1675	2	2.3	2	0.018	5	100.5	2	0.13	2	0.0011
1st Express Inc.	Truck	TL/Dry Van	For-Hire	FSEP	181440	284589	N/A	2	1495	3	3.3	5	0.042	2	79.5	3	0.19	5	0.0026
2119118 Ontario Inc. DBA Triple G Trucking	Truck	TL/Dry Van	For-Hire	TPKB	957820	2859549	N/A	3	1585	5	5.3	5	0.042	2	79.5	4	0.25	5	0.0026
2210310 Ontario Inc./Dynamic Freight Haulers	Truck	TL/Dry Van	For-Hire	DFHR	691346	1937937	N/A	4	1675	4	4.3	5	0.042	3	86.5	4	0.25	5	0.0026
2241552 Ontario Inc / Skyway Carrier	Truck	TL/Dry Van	For-Hire	SWYC	N/A	230633	N/A	3	1585	3	3.3	2	0.018	4	93.5	3	0.19	2	0.0011
2322819 Ontario Inc./Right Service Right Choice	Truck	TL/Dry Van	For-Hire	TTWT	783320	2294033	173-333-054	4	1675	3	3.3	5	0.042	2	79.5	3	0.19	4	0.0021
3NT, LLC.	Truck	TL/Dry Van	For-Hire	THLL	716290	2042543	N/A	4	1675	5	5.3	3	0.026	5	100.5	5	0.31	3	0.0016
5/D Express, Inc.: fdrp	Truck	TL/Dry Van	For-Hire	FDRP	488737	1243083	N/A	5	1765	3	3.3	4	0.034	5	100.5	4	0.25	4	0.0021
6233317 Canada Inc. DBA Rockwell Truck Line	Truck	TL/Dry Van	For-Hire	RKWT	797845	2333669	148783160	1	1405	4	4.3	5	0.042	1	72.5	3	0.19	5	0.0026
9108-1950 Quebec inc dba Via Trans International	Truck	TL/Dry Van	Private	VTIL	471471	1175764	60331659	1	1405	1	1.3	1	0.01	1	72.5	1	0.07	1	0.0006
A & A Delivery LLC	Truck	TL/Dry Van	For-Hire	N/A	N/A	3013453	N/A	1	1405	1	1.3	1	0.01	5	100.5	3	0.19	5	0.0026
A&M Transport, LLC: Dry Van Fleet	Truck	TL/Dry Van	For-Hire	ALKM	217072	344894	N/A	3	1585	3	3.3	4	0.034	3	86.5	3	0.19	4	0.0021
A&R Express Lines, Inc.	Truck	TL/Dry Van	For-Hire	AREL	035208	3022746	N/A	5	1765	2	2.3	2	0.018	5	100.5	2	0.13	2	0.0011
A&S Services Group, LLC	Truck	TL/Dry Van	For-Hire	ANSW,ASI	164166	1880751	N/A	2	1495	4	4.3	4	0.034	5	100.5	5	0.31	5	0.0026
A.C. Trucking, Inc.: 12073707	Truck	TL/Dry Van	For-Hire	AKGM	196190	281881	N/A	4	1675	3	3.3	3	0.026	1	72.5	3	0.19	2	0.0011
A.D. Transport Express, Inc.	Truck	TL/Dry Van	For-Hire	ADXR	195625	0269605	N/A	3	1585	3	3.3	2	0.018	5	100.5	3	0.19	2	0.0011
A.N. Webber, Inc.	Truck	TL/Dry Van	For-Hire	WANQ	147008	76507	N/A	3	1585	3	3.3	3	0.026	2	79.5	2	0.13	2	0.0011
A/T Transportation, LLC.	Truck	TL/Dry Van	For-Hire	AUCR	N/A	1486485	N/A	2	1495	2	2.3	3	0.026	4	93.5	2	0.13	3	0.0016
AC Leasing Company Inc.	Truck	TL/Dry Van	For-Hire	ACWH	156691	264128	N/A	3	1585	4	4.3	5	0.042	1	72.5	3	0.19	5	0.0026
ACS Logistics Transportation Inc.	Truck	TL/Dry Van	For-Hire	OFNS	548067	1450334	129295853	5	1765	4	4.3	5	0.042	4	93.5	4	0.25	5	0.0026
AGM Transport Inc	Truck	TL/Dry Van	For-Hire	AGMP	479749	1204798	N/A	1	1405	1	1.3	3	0.026	4	93.5	1	0.07	3	0.0016
AGX Freight Carriers, LLC	Truck	TL/Dry Van	For-Hire	APXY	642324	1755933	N/A	4	1675	5	5.3	5	0.042	4	93.5	5	0.31	5	0.0026
ALB Express Inc.	Truck	TL/Dry Van	For-Hire	ALBK	803750	2348464	N/A	5	1765	2	2.3	2	0.018	3	86.5	1	0.07	2	0.0011
ALTL Inc	Truck	TL/Dry Van	For-Hire	ALLM	154127	169025	N/A	2	1495	1	1.3	2	0.018	2	79.5	1	0.07	1	0.0006
AM International (TFI 11, S.E.C.): AM International	Truck	TL/Dry Van	Dedicate	AMJO	488546	1257162	61668976	5	1765	2	2.3	2	0.018	2	79.5	2	0.13	1	0.0006
AMC Express, Inc.	Truck	TL/Dry Van	For-Hire	AMCM	789656	2313051	N/A	5	1765	5	5.3	5	0.042	3	86.5	5	0.31	5	0.0026
ARD Express Inc.	Truck	TL/Dry Van	For-Hire	ARXK	588686	1590621	N/A	3	1585	5	5.3	5	0.042	3	86.5	5	0.31	5	0.0026
ASL Transportation Group, Inc.	Truck	TL/Dry Van	For-Hire	AXGN	644828	1764745	N/A	2	1495	2	2.3	2	0.018	2	79.5	2	0.13	2	0.0011
AT & R Transport	Truck	TL/Dry Van	Private	AYAE	830510	2412919	N/A	1	1405	4	4.3	3	0.026	1	72.5	3	0.19	3	0.0016
ATS 1, Inc.	Truck	TL/Dry Van	For-Hire	AQTS	767159	2210783	N/A	3	1585	1	1.3	2	0.018	5	100.5	3	0.19	4	0.0021

Start Here | All | Auto | Dray | Expd | Flat | HB | LTL | Mix | Mov | Pkg | Reef | Spec. | Tank | TL | Logistics | MM-S | M ...

What is a SmartWay Affiliate?

- While organizations that ship, carry or manage freight can become SmartWay Partners, organizations that do not control freight can still participate in SmartWay as SmartWay Affiliates.

- SmartWay Affiliates are organizations that agree to educate and support their members' efforts to improve freight sustainability.

What does SmartWay have to offer?

- Benchmarking tools
- Data that can be used for reporting
- Technical guidance, webinars, reports
- Expert assistance from PAMs & staff
- Action Plan and Goal Setting guidance
- Leadership guidance

Partner Results

- Since 2004, the number of companies that rely upon SmartWay has grown from 15 to over 3,700
- SmartWay Partners have saved over $41 billion in fuel costs and reduced harmful air pollutants by
  - 133 million tons of CO2
  - 2.6 million tons of NOx
  - 109,000 tons of PM
- SmartWay Partner energy savings are equivalent to 312 million barrels of oil OR eliminating annu energy use in 18 million homes

"EPA's SmartWay Transport Partnership is an example of how the trucking industry can work in a way that improves the environmental sustainability of the global supply chain."
- Chris Spear, President and CEO, American Trucking Associations

Proud Supporter of SmartWay®

EPA's Clean Diesel Programs

SmartWay
U.S. Environmental Protection Agency

EPA's SmartWay Transport Partnership

http://www.epa.gov/smartway

Midwest Clean Diesel Initiative

http://www.epa.gov/midwestcleandiesel

EPA Ports Initiative

http://www.epa.gov/ports-initiative

National Clean Diesel Campaign

http://www.epa.gov/dera

For More Information Contact:
Anthony Maietta
maietta.anthony@epa.gov
(312) 353-8777