

Ports Initiative Overview

Sarah Froman, U.S. EPA
Talking Freight Seminar
June 21, 2017

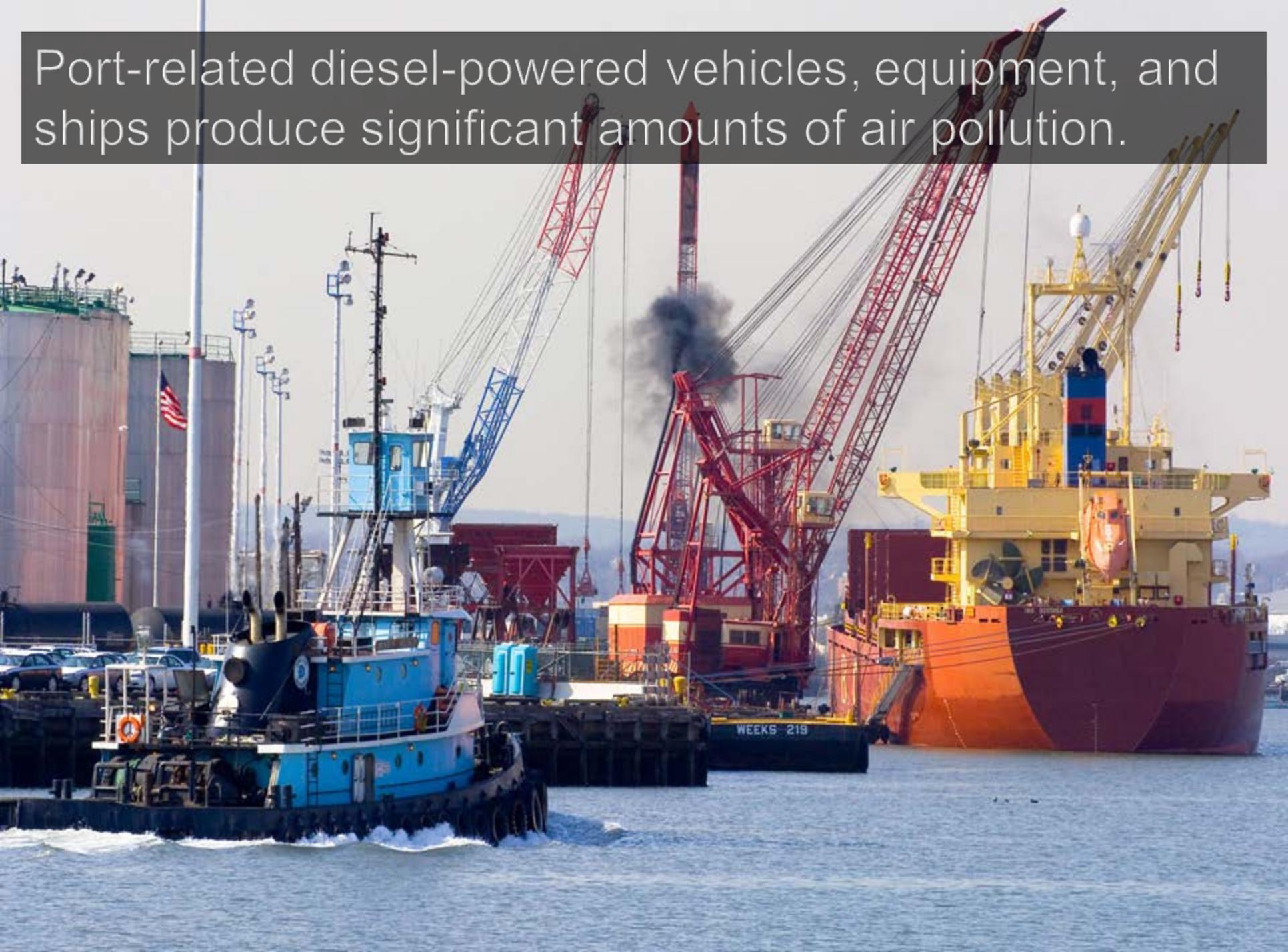


Martin Associates estimates that seaports support about 23 million U.S. jobs and 26% of U.S. Gross Domestic Product.



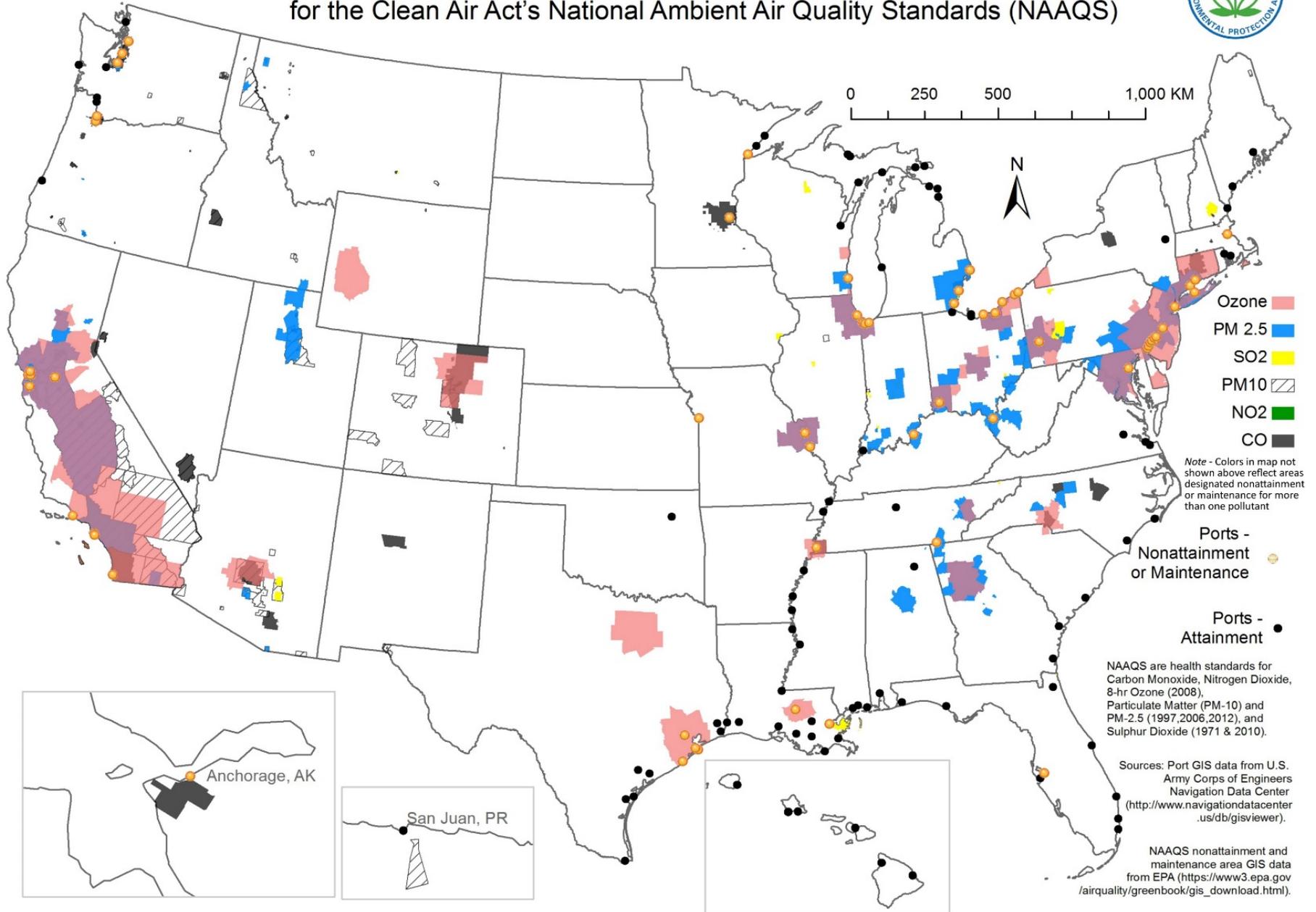
Source: *The State of Freight*, American Association of Port Authorities (2015).

Port-related diesel-powered vehicles, equipment, and ships produce significant amounts of air pollution.



Ports in Areas Designated Nonattainment or Maintenance

for the Clean Air Act's National Ambient Air Quality Standards (NAAQS)





EPA estimates that approximately 39 million people in the United States currently live in close proximity to ports.

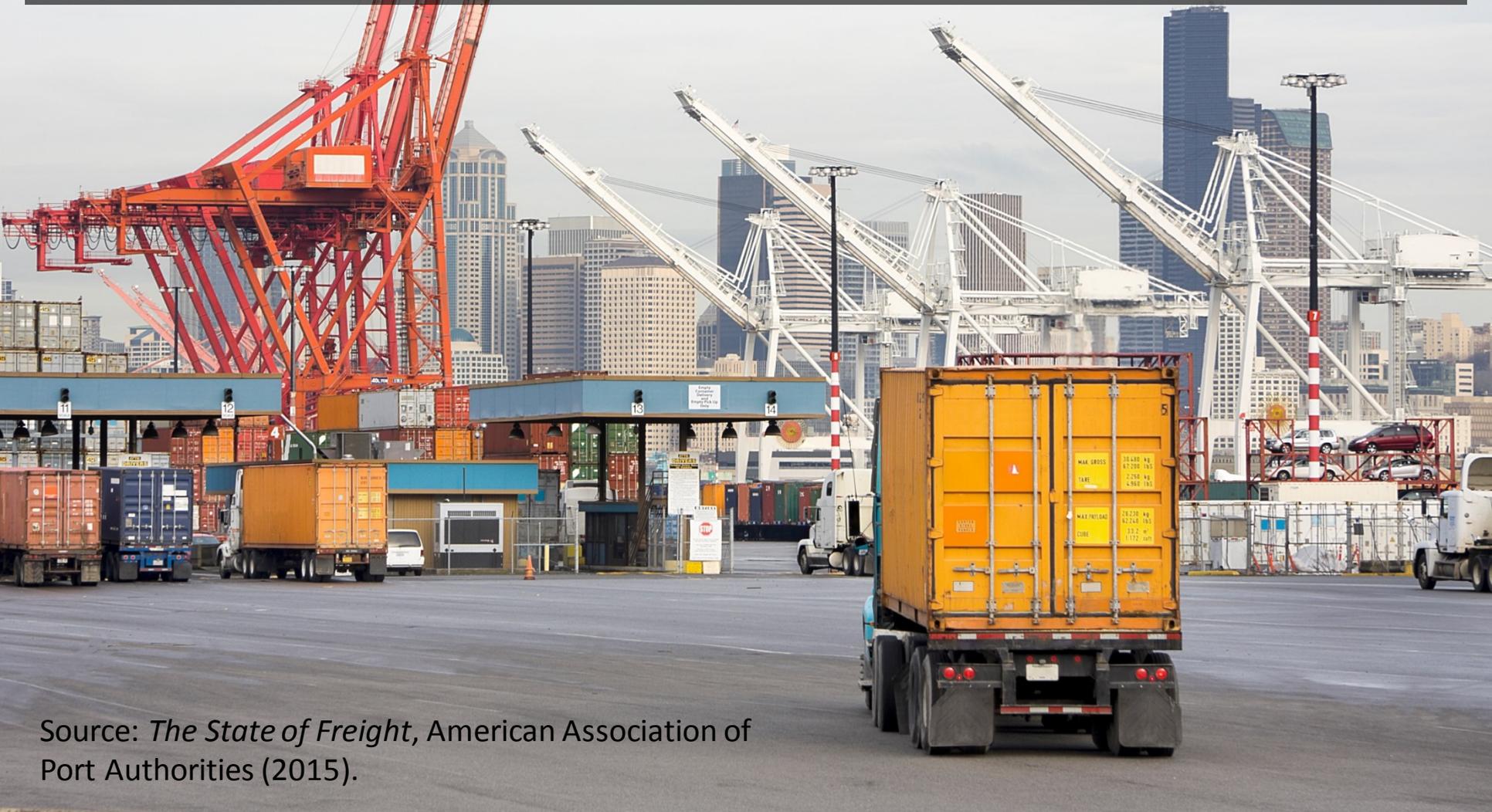
Source: *National Port Strategy Assessment*, EPA (2016).

OECD estimates that global freight volumes will more than quadruple by 2050.



Source: Jari Kauppila, Senior Economist, Head of Outlook and Statistics, OECD (Smart Freight Leadership, Leipzig, 26 May 2015).

American Association of Port Authorities estimates that ports need \$28.9 billion for landside infrastructure alone to handle projected 2025 freight volumes.



Source: *The State of Freight*, American Association of Port Authorities (2015).



Vision for the Ports Initiative

People living and working near ports across the country will breathe cleaner air and live better lives as a result of bold steps taken through a collaboration of industry, government, and communities to improve environmental performance and increase economic prosperity.





Ports Initiative Elements

Funding

Helping Ports Capitalize on Funding for Clean Technologies

Technical Resources

Providing Tools to Help Identify Smart Infrastructure Investments

Collaboration

Promoting Port-Community Collaboration for Effective Planning

Coordination

Increasing Efficiency in Federal Government and Port Operations

Communications

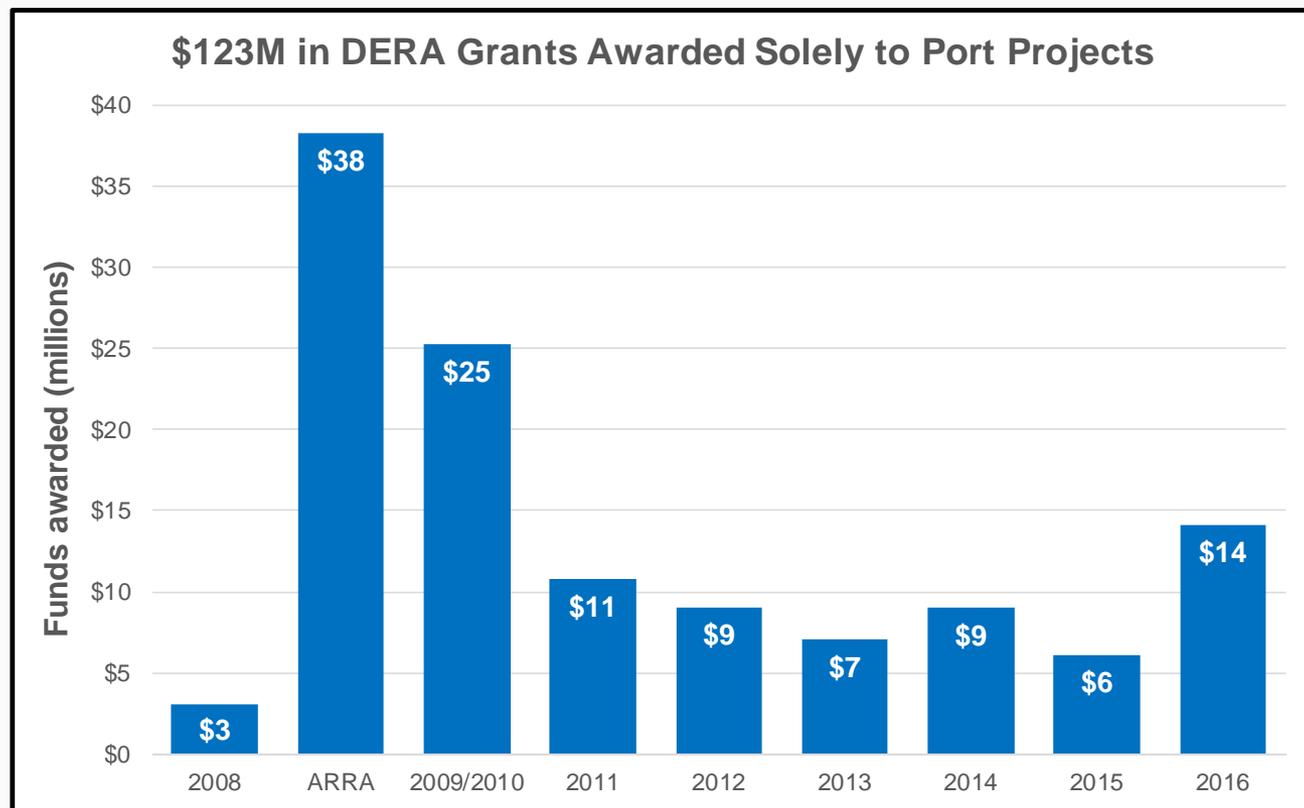
Creating a Knowledge Clearinghouse



Funding

Diesel Emissions Reduction Act (DERA) Grant Funds Awarded to Port Projects

- \$123 million in grants awarded to port projects
- Another \$55 million in grants awarded to multi-sector grants that involve ports
 - Not included in chart
- See www.epa.gov/clean-diesel





Technical Resources

EPA-Port Everglades Partnership

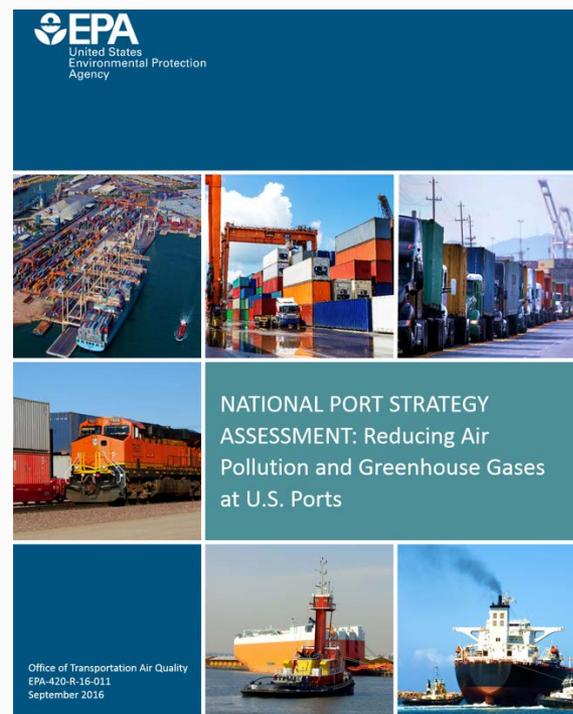




Technical Resources

National Port Strategy Assessment

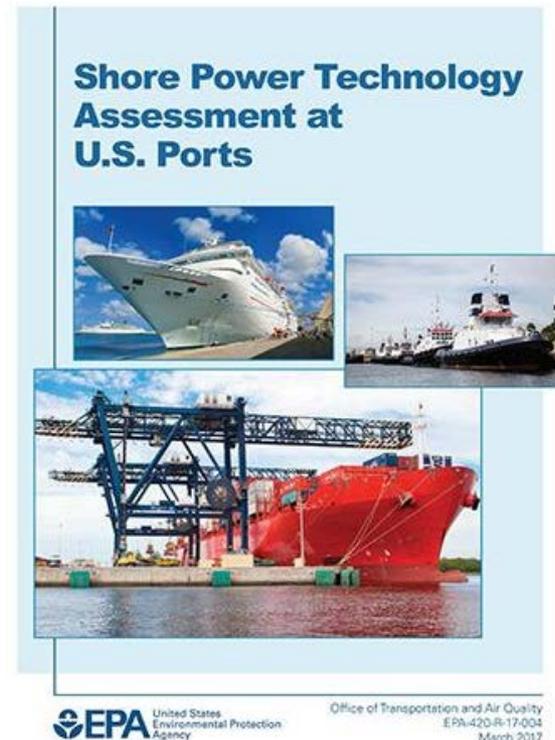
- *National Port Strategy Assessment: Reducing Air Pollution and Greenhouse Gases at U.S. Ports*
- Released September 22, 2016
- Available at: www.epa.gov/ports-initiative/national-port-strategy-assessment



Technical Resources

Shore Power Assessment

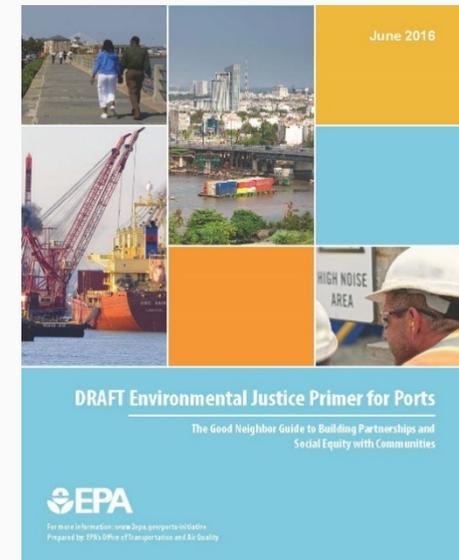
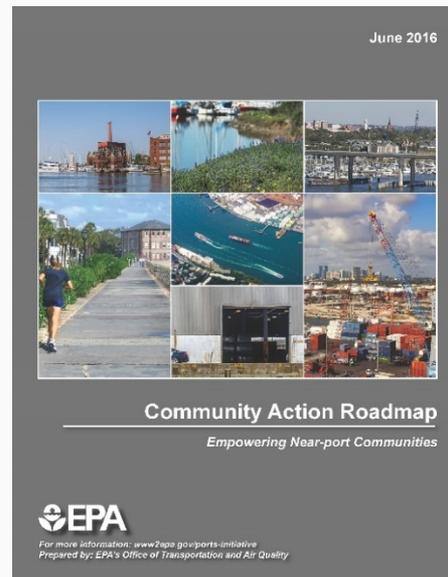
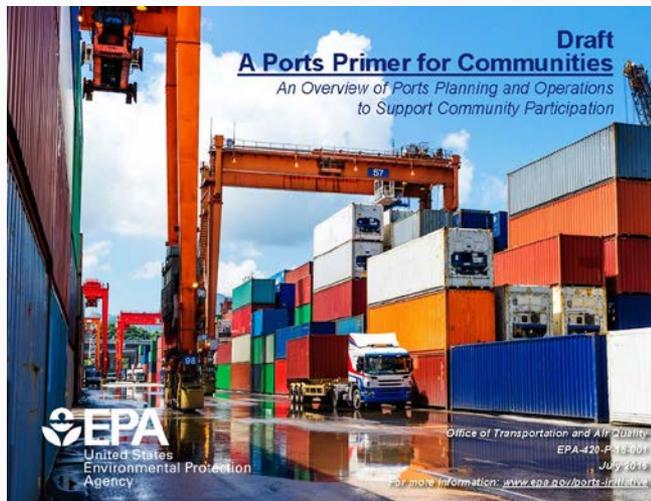
- Characterizes shore power systems at U.S. ports
- Includes a new methodology for calculating emission reduction of shore power systems
- Released April 4, 2017
- Available at: www.epa.gov/ports-initiative/shore-power-technology-assessment-us-ports





Collaboration

Community-Port Capacity Building

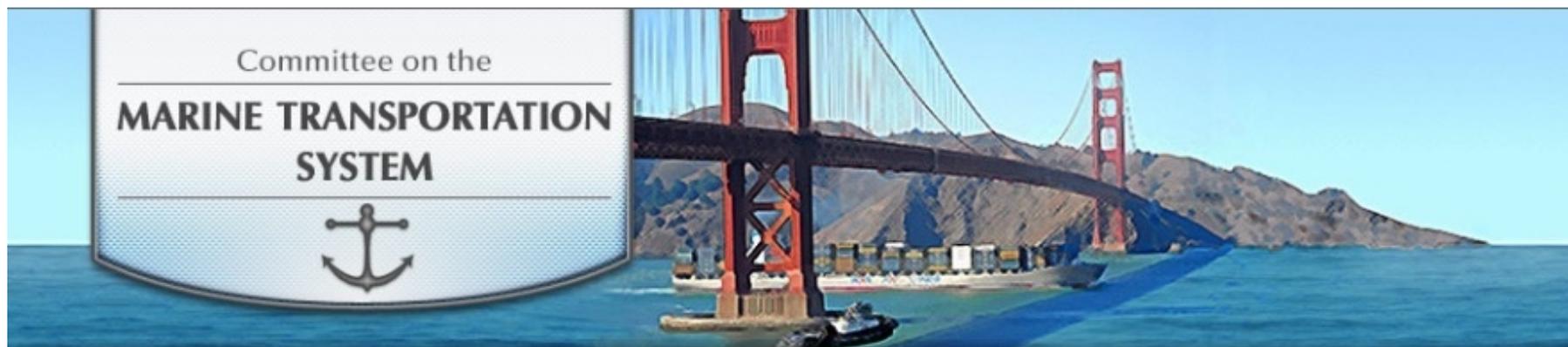


- EPA piloting draft tools, delivering technical assistance, and convening dialogues with local partners
 - Initial pilots: Savannah, GA; New Orleans, LA; and Seattle, WA
 - See www.epa.gov/ports-initiative/pilot-projects-port-and-near-port-community-collaboration



Coordination

Committee on the Marine Transportation System (CMTS)



- Presidential Directive in 2005, authorized in law by Congress in 2012.
- Coordinates maritime transportation policy between 25 Federal agencies and organizations, including the DOT, DOD, DOE and EPA.
- CMTS is called upon to assess the U.S. marine transportation system and report its findings to Congress regularly.
- See www.cmts.gov



Keep in touch: talkaboutports@epa.gov

Port Locations in EPA Regions

