

# Ports Initiative Overview

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



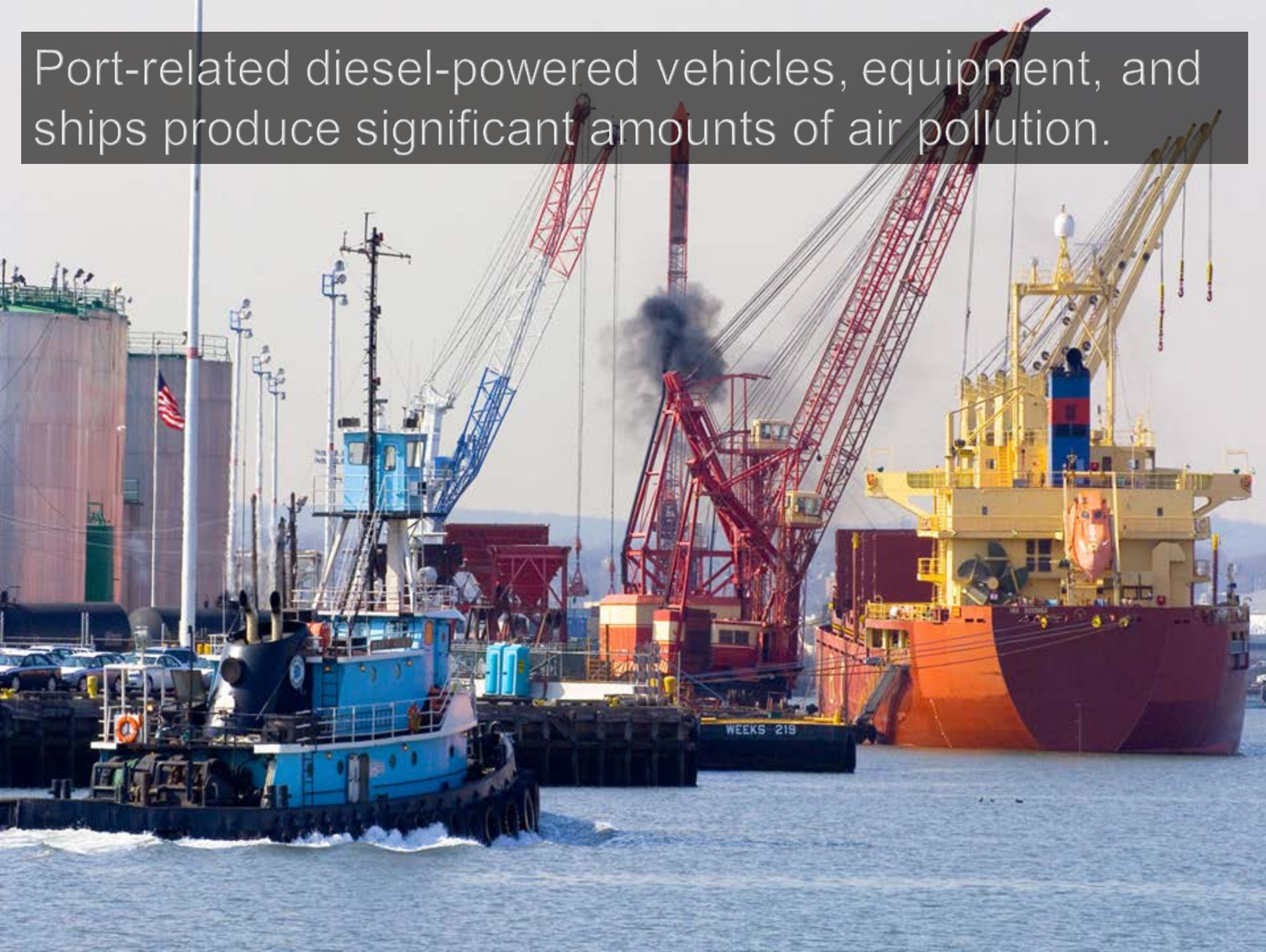
Martin Associates estimates that seaports support about 23 million U.S. jobs and 26% of U.S. Gross Domestic Product.



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

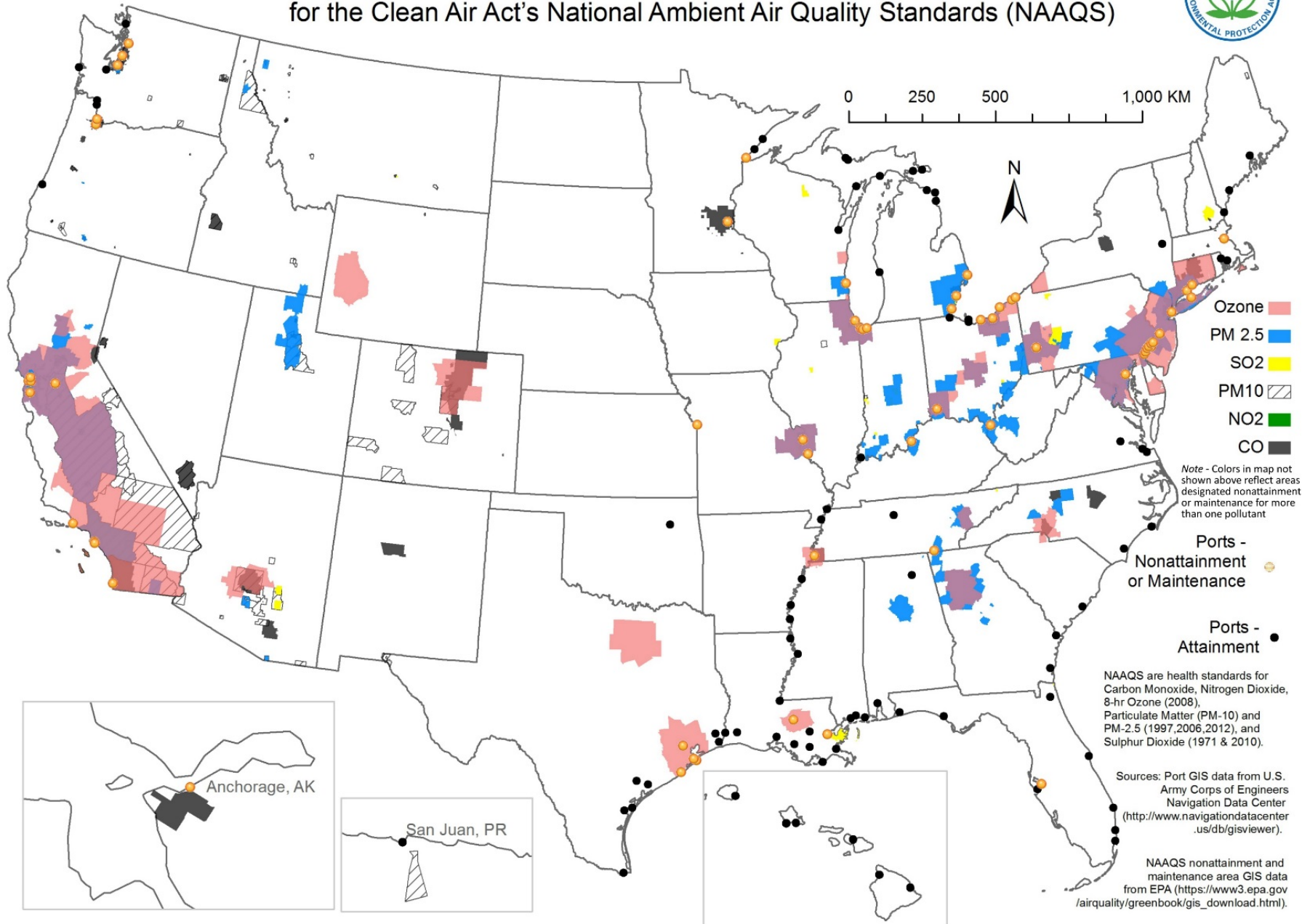


Port-related diesel-powered vehicles, equipment, and ships produce significant amounts of air pollution.

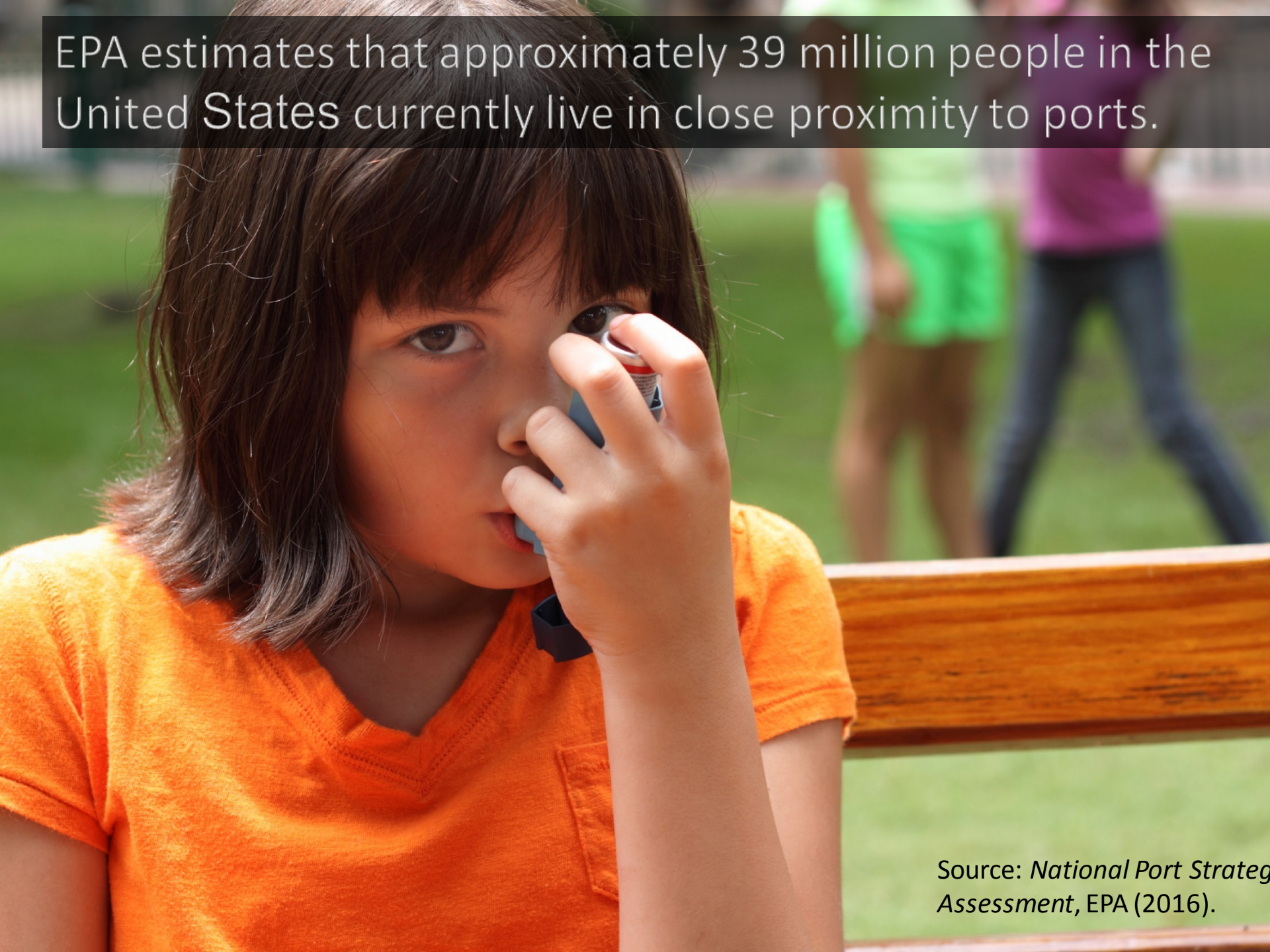


# Ports in Areas Designated Nonattainment or Maintenance

## 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

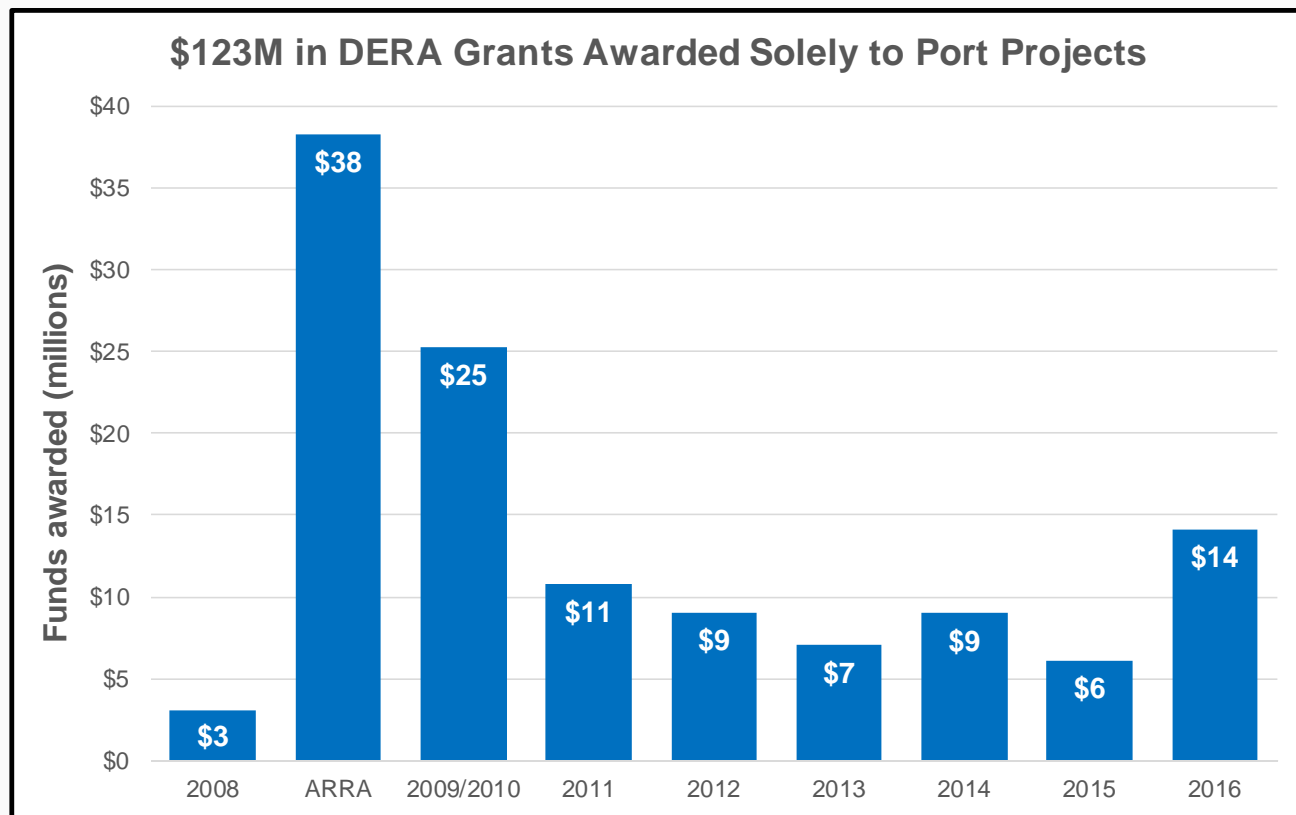




# Funding

## *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](http://www.epa.gov/clean/diesel)







# Technical Resources

## *EPA-Port Everglades Partnership*



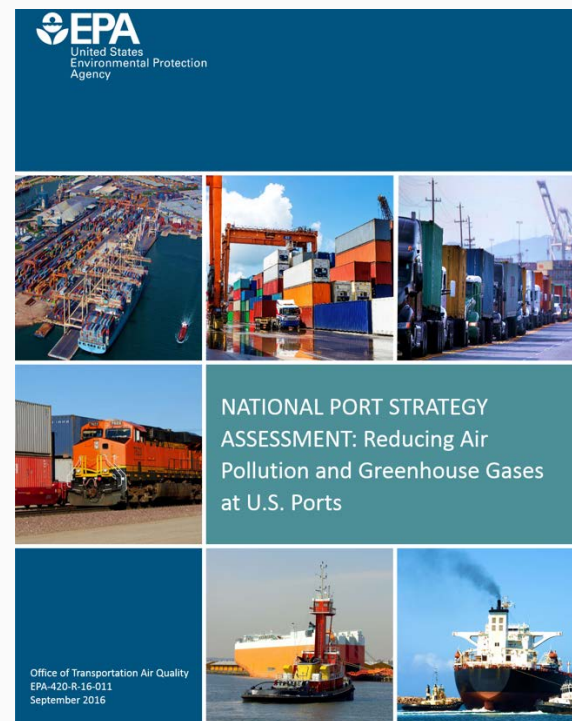




# Technical Resources

## *National Port Strategy Assessment*

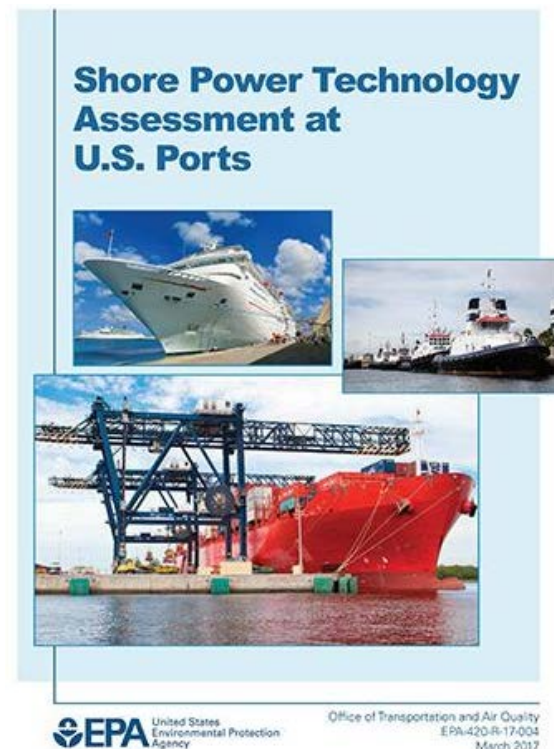
- *National Port Strategy Assessment: Reducing Air Pollution and Greenhouse Gases at U.S. Ports*
- Released September 22, 2016
- Available at: [www.epa.gov/ports-initiative/national-port-strategy-assessment](http://www.epa.gov/ports-initiative/national-port-strategy-assessment)



# 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](http://www.epa.gov/ports-initiative/shore-power-technology-assessment-us-ports)

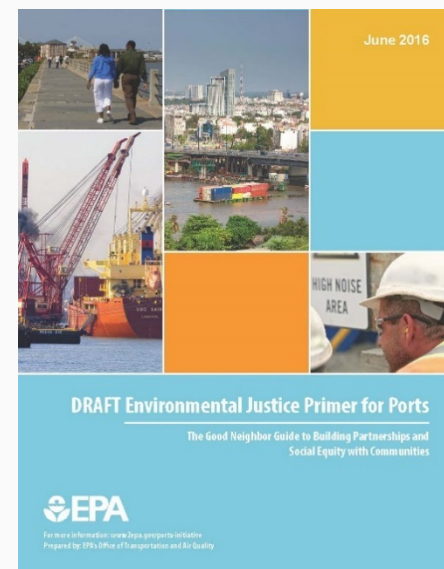
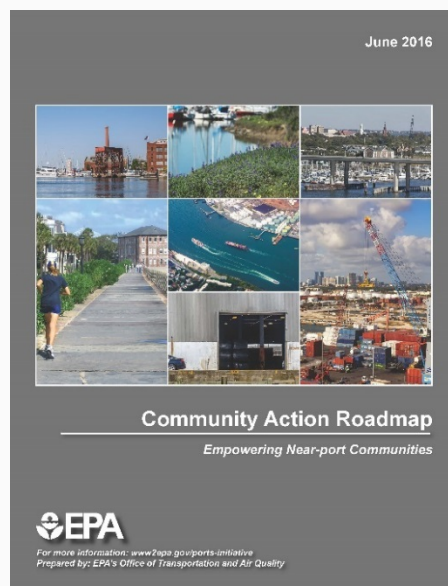






# Collaboration

## *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](http://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](http://www.cmts.gov)





# Communications

EPA's Ports Initiative website,  
including newsletter sign-up:

[www.epa.gov/ports-initiative](http://www.epa.gov/ports-initiative)





# Keep in touch: talkaboutports@epa.gov

## Port Locations in EPA Regions

