

# **OTAQ Update for CAAAC**

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CAAAC Meeting  
December 12, 2017



# Overview

- Regulatory Update
- VW CAA Civil Settlement Update
- Ports Initiative Update



# Regulatory Update

- Light-Duty GHG Program
- Heavy-Duty GHG Program
- Heavy-Duty NO<sub>x</sub> Petition
- Renewable Fuel Standard (RFS) Program



# VW CAA Civil Settlement Update

- 2.0 Liter Partial Settlement
  - Appendix B: Vehicle Recall and Emissions Modification
    - Emissions modifications approved for certain vehicles
  - Appendix C: Zero Emission Vehicle Investment
    - First 30-month plans approved
  - Appendix D: NO<sub>x</sub> Mitigation Trust
    - Finalizing set of beneficiaries
- 3.0 Liter Partial Settlement

# Update on EPA's Ports Initiative

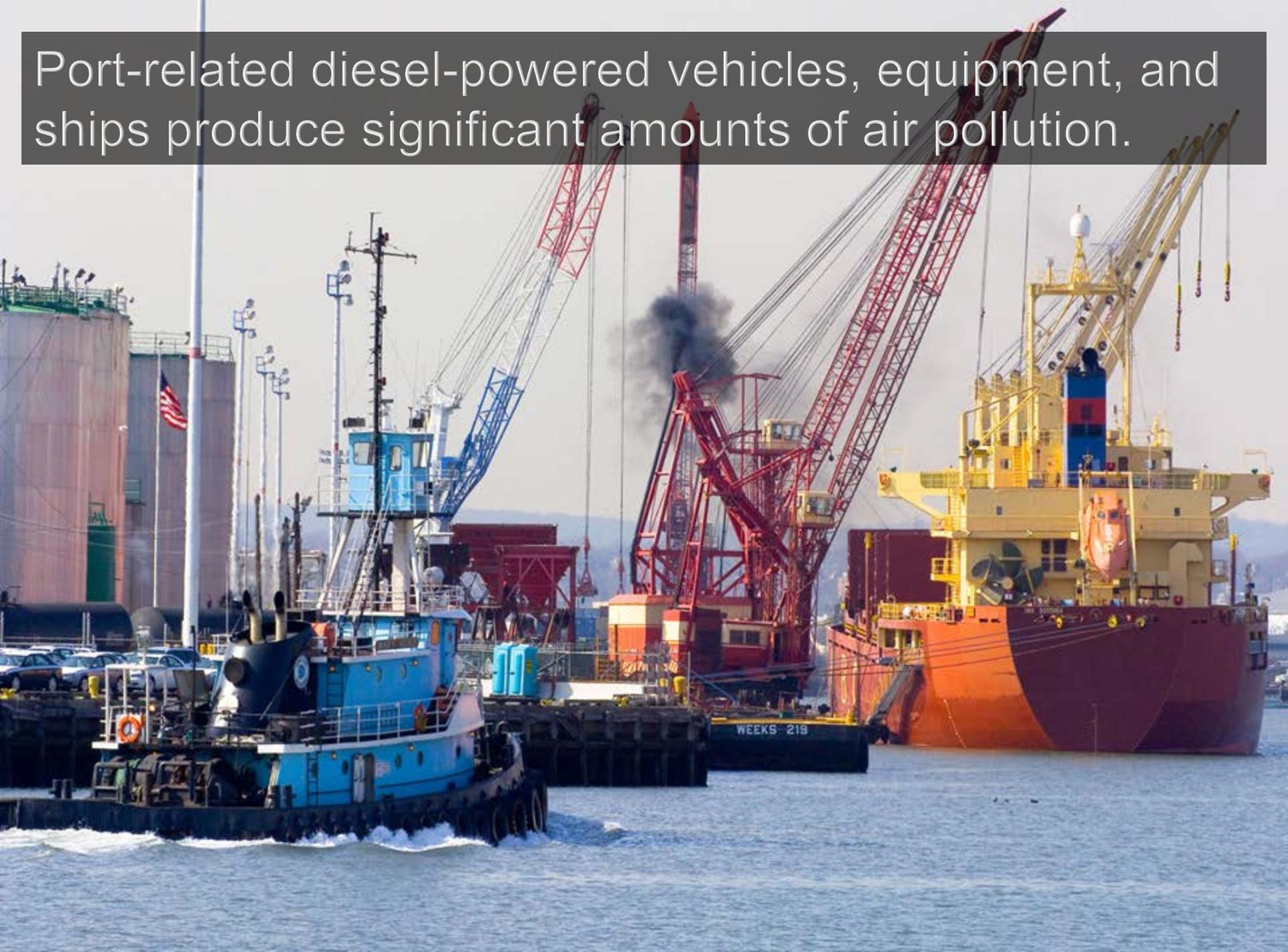


American Association of Port Authorities estimate that seaports support about 23 million U.S. jobs and 26% of U.S. Gross Domestic Product.



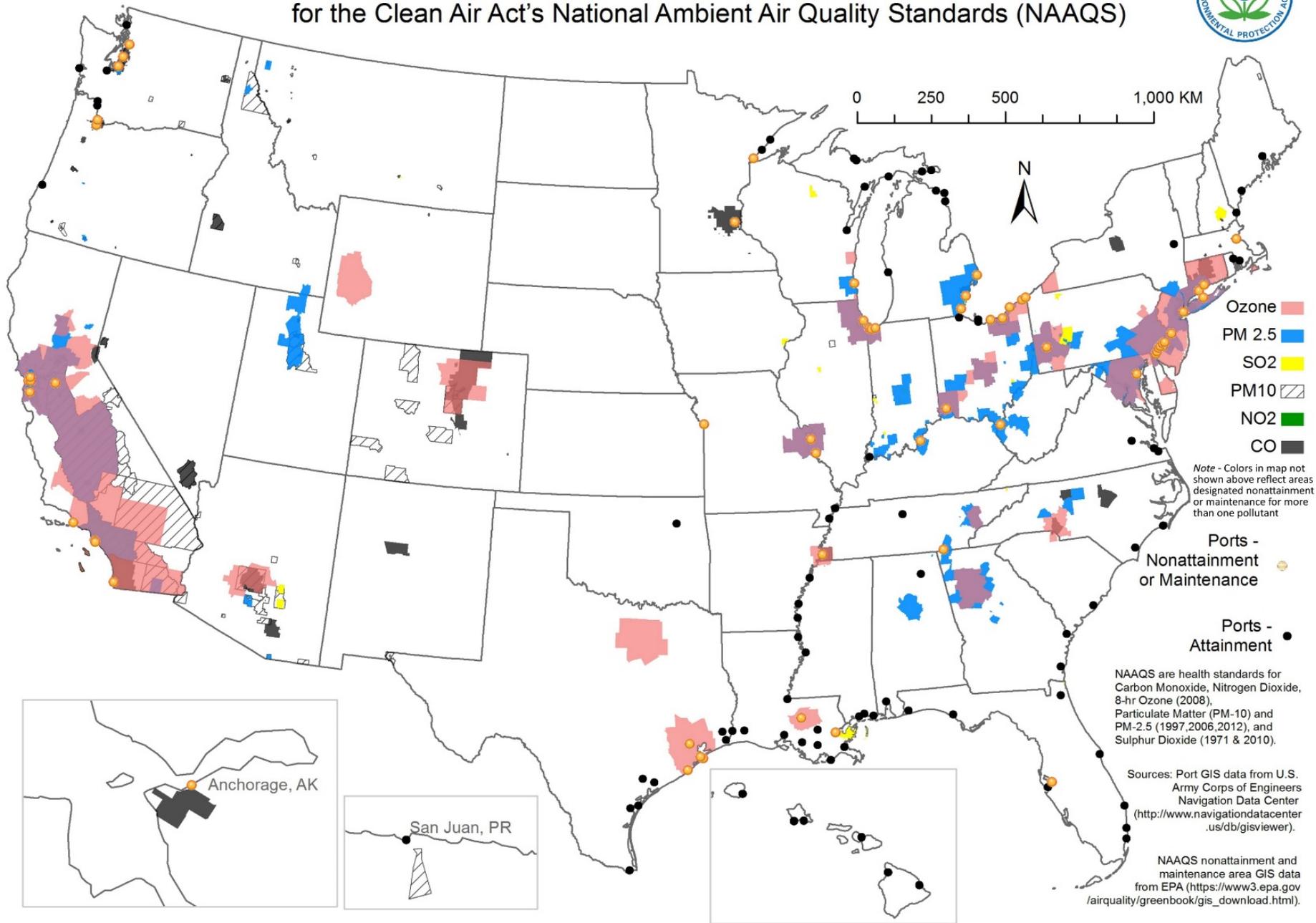
Source: *The State of Freight*, American Association of Port Authorities (2015).

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.



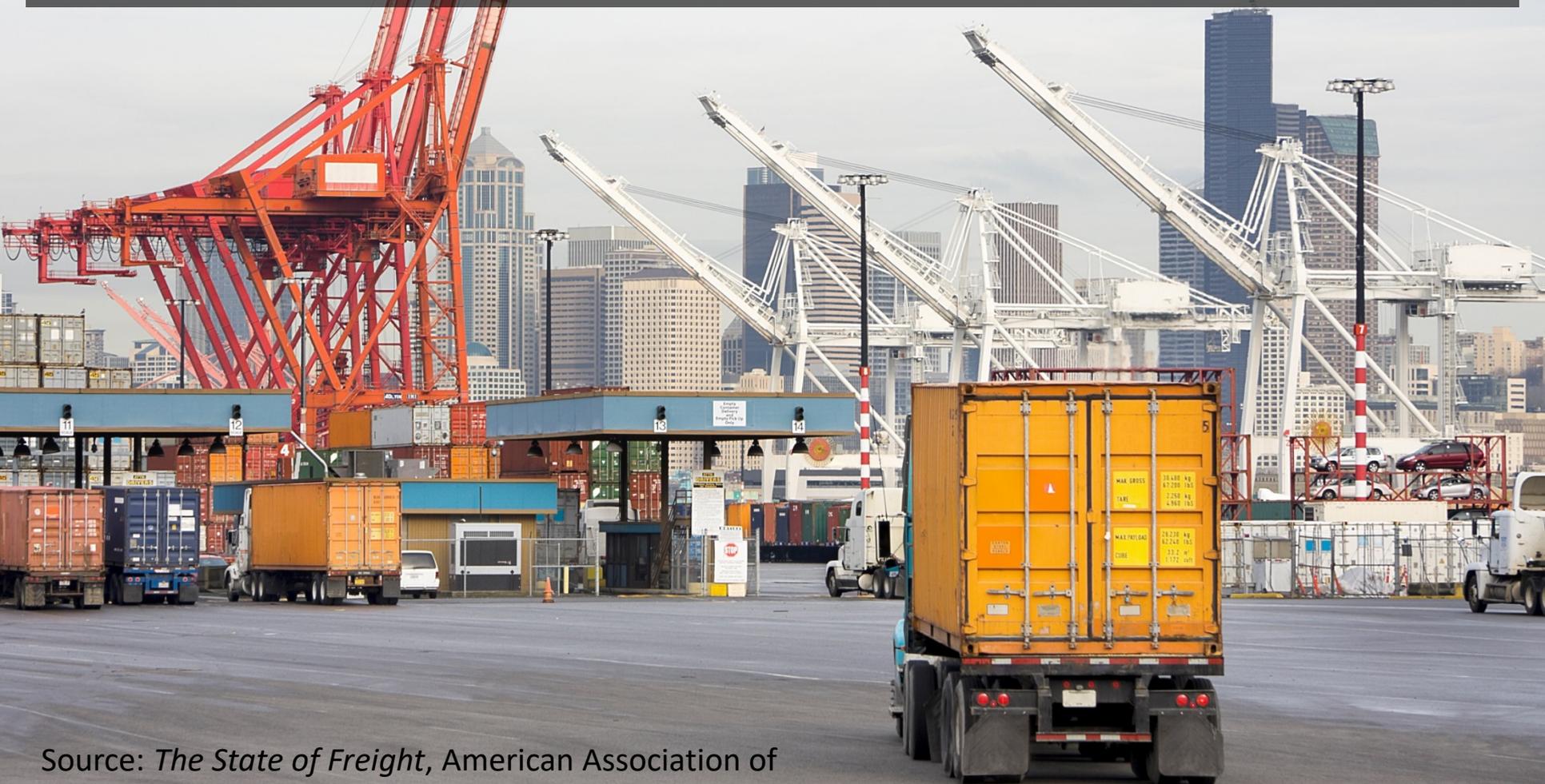
Source: *National Port Strategy Assessment*, EPA (2016).

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.

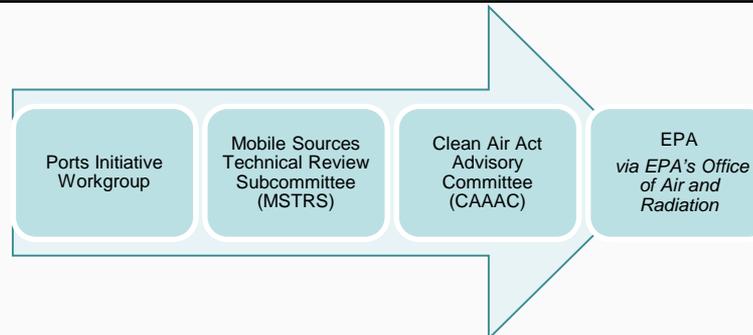




# Ports Initiative Workgroup

<b>Ports:</b>	Maryland, Charleston, Long Beach, New Orleans, Virginia
<b>Terminals:</b>	Ports America
<b>Shippers:</b>	Cargill, Walmart, HP
<b>Equipment:</b>	Caterpillar, Manufacturers of Emission Controls Association
<b>Marine:</b>	Maersk Line
<b>Rail:</b>	Burlington Northern Santa Fe
<b>Trucking:</b>	Evans Delivery
<b>Port Community Advocates:</b>	East Yard Communities for Environmental Justice, Southeast CARE Coalition, Steps Coalition
<b>Tribes:</b>	Fond du Lac Air Program
<b>NGOs:</b>	Environmental Defense Fund, Natural Resources Defense Council
<b>Research/analysis:</b>	International Council on Clean Transportation
<b>Government:</b>	New Jersey DEP, South Carolina DHEC, MARAD, CMTS
<b>Non-voting:</b>	American Association of Port Authorities, StarCrest (B. Anderson)
<b>EPA support:</b>	Office of Transportation Air Quality , Office of Environmental Justice, Office of Water, Region 1, Region 2, Region 6, Region 9

Full list of individual members available at [www.epa.gov/caaac](http://www.epa.gov/caaac)



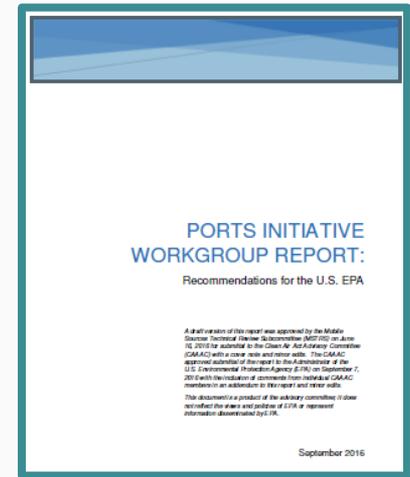


# Recommendations from Workgroup (September 2016)

**Overarching recommendation:** provide funding, technical resources, and expertise to enable and encourage environmental improvements.

## Focal Areas

- Increasing and Targeting Funding
- Community-Port Engagement
- Guidance on Inventories and Metrics
- Guidance on Emission Reduction Strategies
- Coordinating Relevant Government Programs
- Information Clearinghouse and Communications



[www.epa.gov/caaac](http://www.epa.gov/caaac)



# 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**

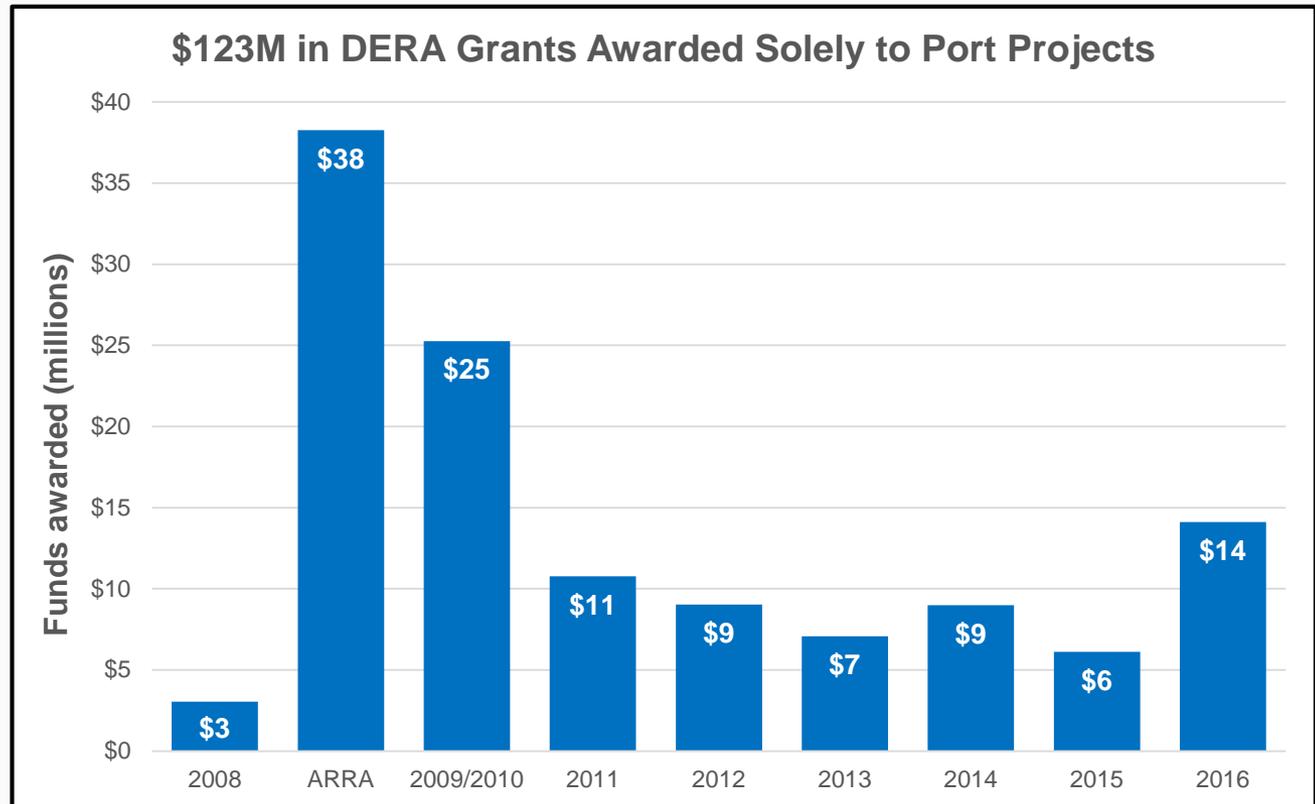
Creating a Knowledge Clearinghouse



# 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 projects 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*

- EPA and Port Everglades are working together to develop:
  - ✓ Activity-based baseline emissions inventory
  - Emission reduction scenarios and inventories for future analysis years
  - Methods, lessons learned, and practical examples that EPA can share with other ports, related agencies, and stakeholders to support and encourage sustainable development.
- Target for completion: Early 2018



2015 Baseline Air Emissions Inventory is available at:  
[www.porteverglades.net/environment/air-quality/air-emissions-inventory](http://www.porteverglades.net/environment/air-quality/air-emissions-inventory)

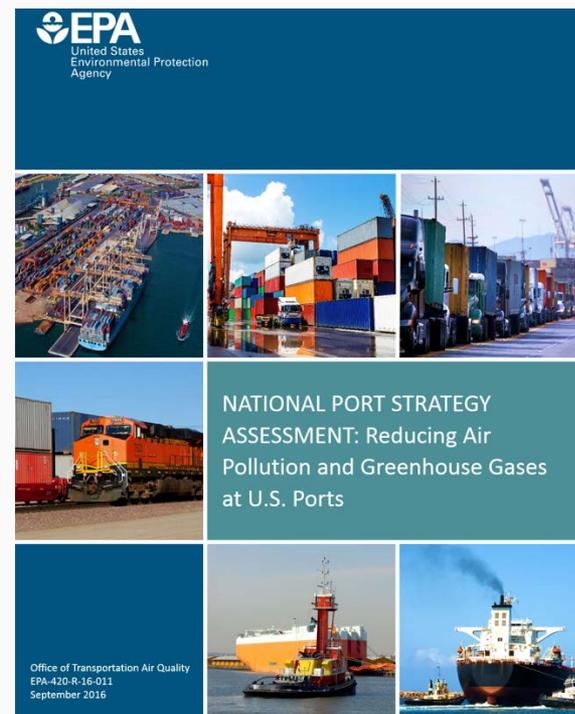
Also see: [www.epa.gov/ports-initiative/epa-partnership-agreement-broward-countys-port-everglades](http://www.epa.gov/ports-initiative/epa-partnership-agreement-broward-countys-port-everglades)



# 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)

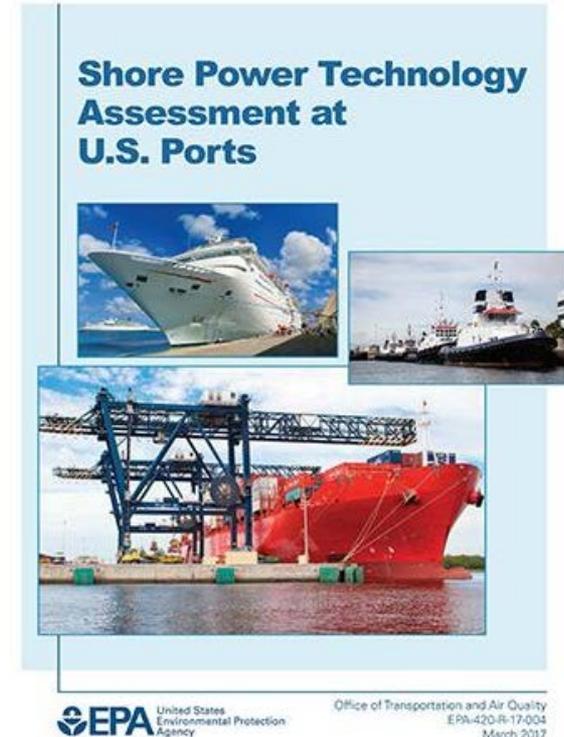




# Technical Resources

## *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)





# Technical Resources

## *Other Activities*

- Plan to develop fact sheets on promising operational strategies.
- Regional office support of inventory development.
- Regional office workshops and webinars to share technical resources.

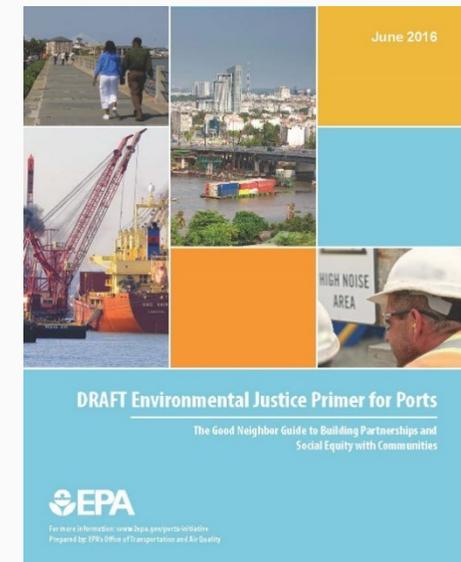
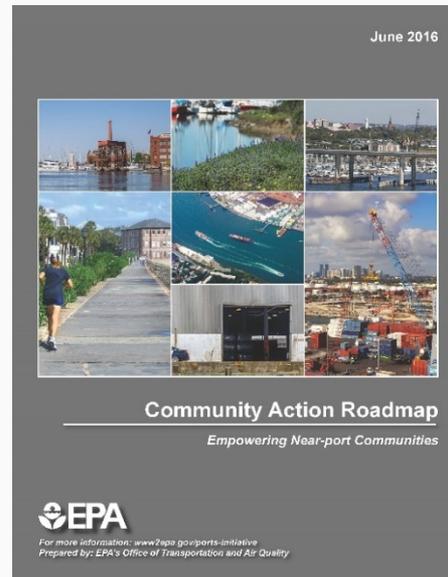


Philadelphia, PA  
October 24, 2017



# Collaboration

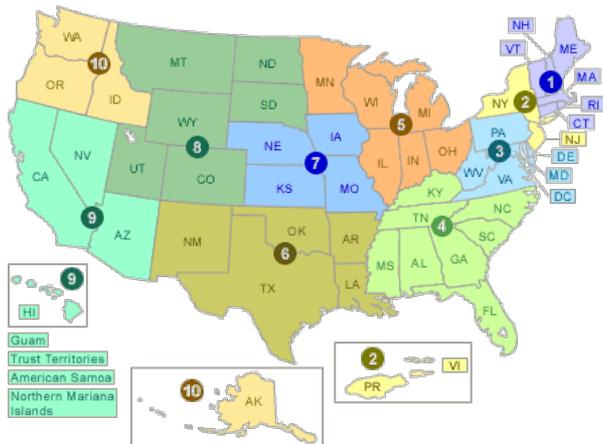
## *Promoting Port-Community Collaboration for Effective Planning*



- EPA convening dialogues with local partners, delivering technical assistance, and piloting draft tools
  - 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

## *Increasing Efficiency in Federal and Port Operations*





# Communications

*Creating a Knowledge Clearinghouse*

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

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

