

Update on EPA's Ports Initiative

*AAPA Harbors & Navigation Committee and
QPI meeting*

November 17, 2020



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



Promoting clean air best practices at ports

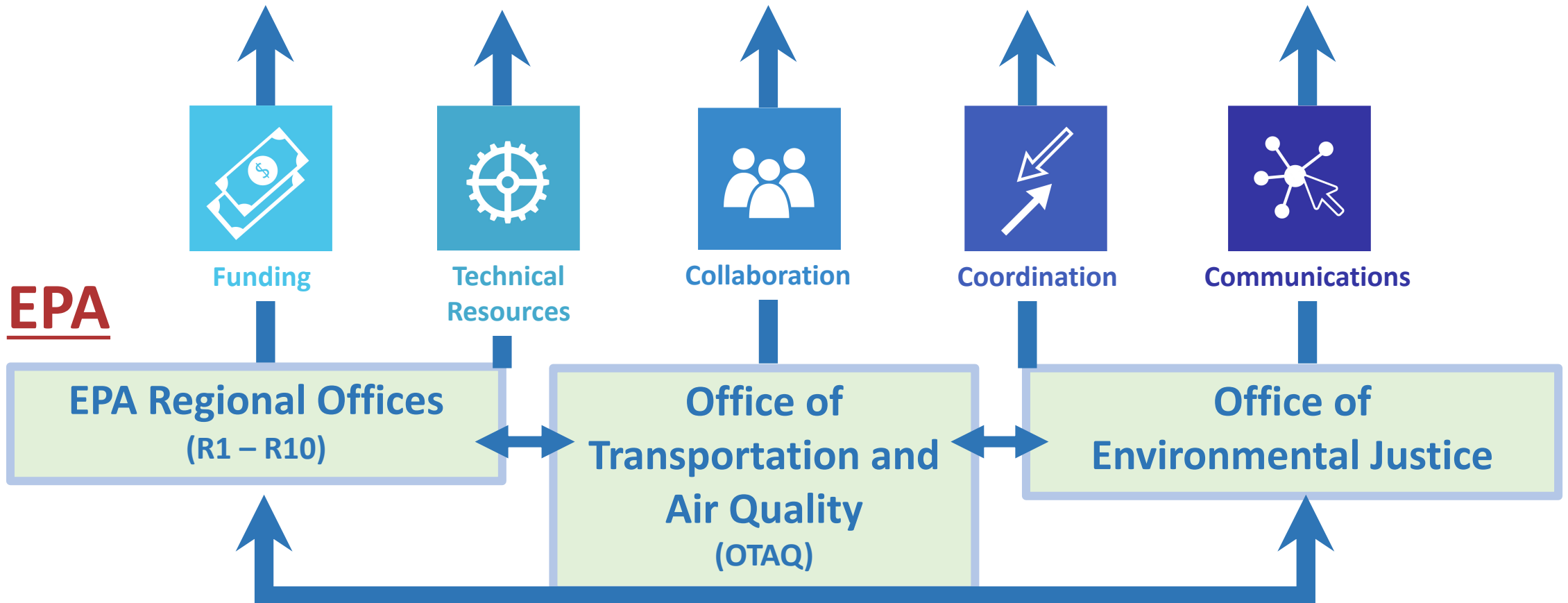


Through EPA tools and assistance in the five program areas, we aim to accelerate adoption of:

- **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!

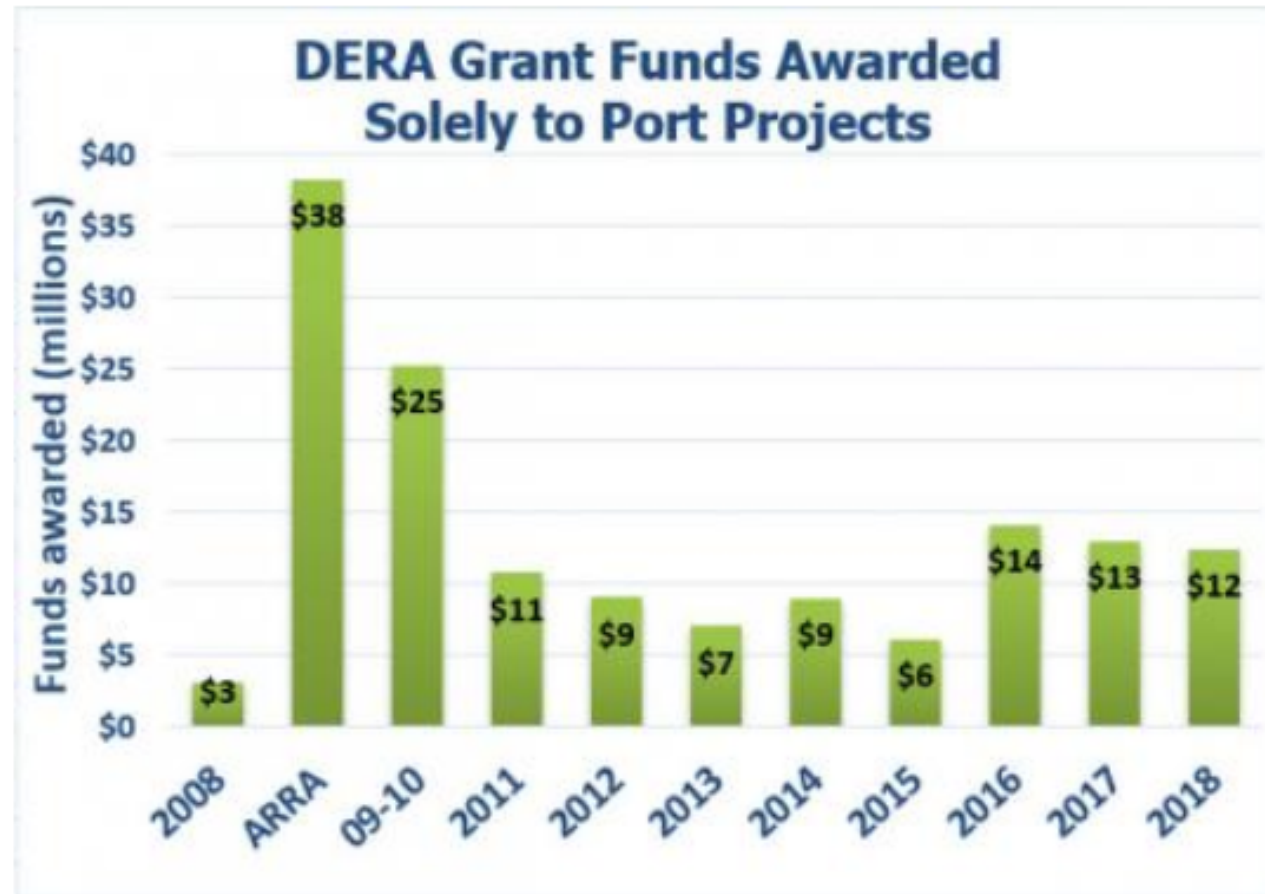


Helping ports capitalize on funding for clean technologies



Funding

- DERA
 - Priority for port and other goods movement projects.
 - Extra points for inventories, clean air plans, community engagement.
- VW beneficiaries demonstrating interest in local port projects.
- EPA Regional staff helping to make connections to other funding sources.



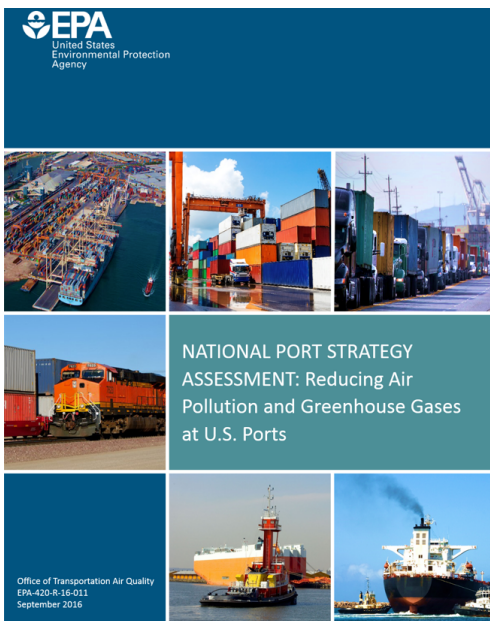
- Searchable table of local, state, federal, and other funding opportunities on our website:

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

Providing tools to help identify smart infrastructure investments

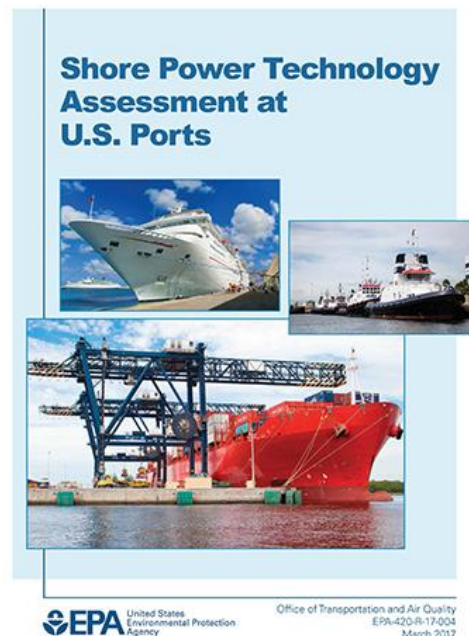


Technical Resources



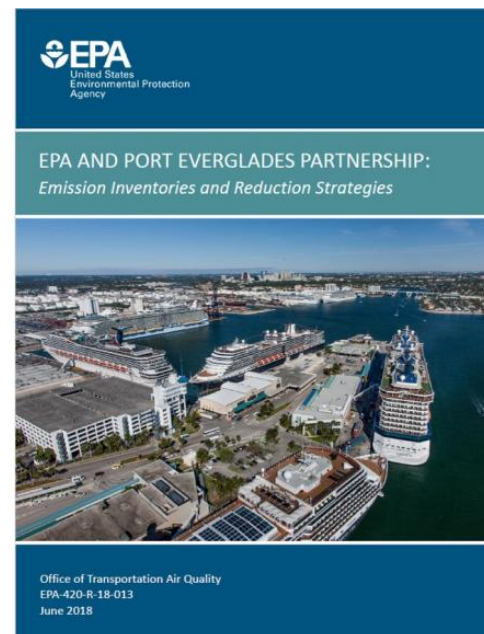
National Port Strategy Assessment: Reducing Air Pollution and Greenhouse Gases at U.S. Ports
September 2016

www.epa.gov/ports-initiative/national-port-strategy-assessment-reducing-air-pollution-and-greenhouse-gases-us



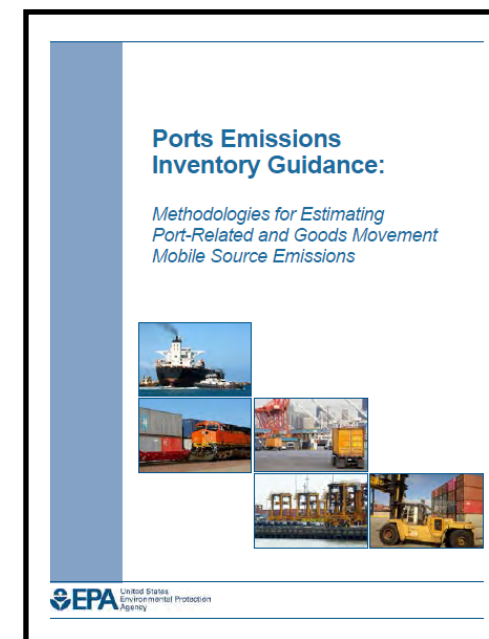
Shore Power Technology Assessment at U.S. Ports
April 2017

www.epa.gov/ports-initiative/shore-power-technology-assessment-us-ports



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>

Stay tuned: Upcoming Technical Resources



Technical
Resources



***Factsheets on operational strategies
that can reduce emissions and
increase efficiency such as vessel
speed reduction and gate
management***



***Assessment of fuel cell
applications at ports***

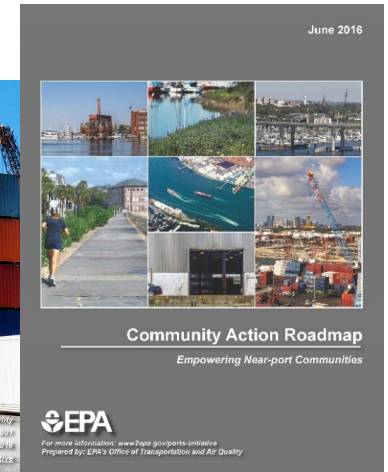
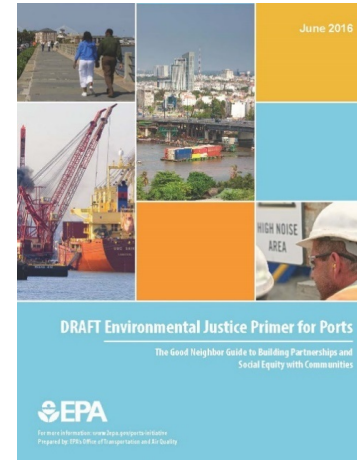
Promoting community-port collaboration for effective planning



Collaboration

- EPA completed pilot projects where we convened stakeholder dialogues, delivered technical assistance, and tested three tools.
 - Toolkit: Ports Primer for Communities, Community Action Roadmap, and EJ Primer for Ports
 - Pilot locations: Savannah, GA; New Orleans, LA; Seattle, WA; and Providence, RI
- Tools are now updated and posted on web along with pilot case studies and related training modules.

www.epa.gov/community-port-collaboration



Port of Savannah Tour



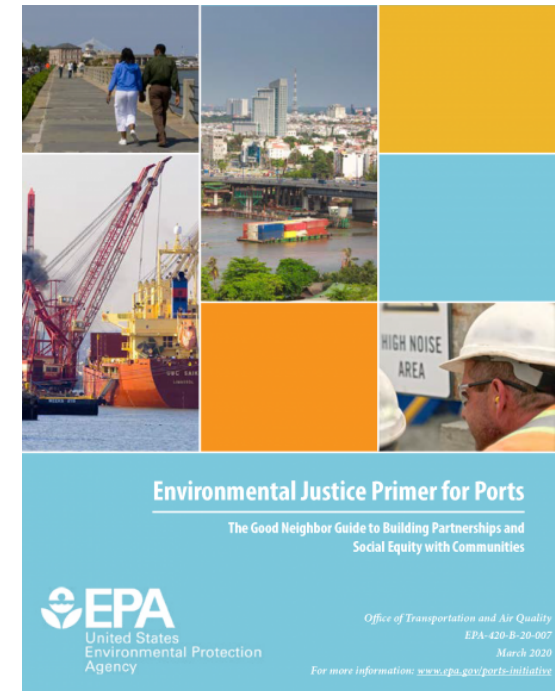
Collaboration Training

Toolkit: Environmental Justice (EJ) Primer for Ports



Collaboration

- Informs the port operators of the perspectives, priorities, and challenges often unique to communities with EJ concerns
- Step-by-step Good Neighbor Roadmap Process:
 - Assess your Community Engagement Approach
 - Build Relationships
 - Identify Community Concerns and Goals
 - Identify Levers for Change
 - Develop a Good Neighbor Strategic Plan
 - Measure and Sustain Progress
- Training Module: EJ Primer for Ports



<https://www.epa.gov/community-port-collaboration/community-port-collaboration-toolkit>

Increasing efficiency in federal government and port operations

Coordination

- Federal coordination to support clean air projects as part of major federal infrastructure projects.
 - Including coordination with FHWA, MARAD, BTS, Committee on Marine Transportation System
- Coordination with other EPA offices to amplify efforts and ensure effective implementation of activities.





Creating a Knowledge Clearinghouse

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

Examples:

- Updated website, enhancements ongoing.
- Real-world examples/snapshots.
- Regular e-newsletters.

www.epa.gov/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](#)

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.

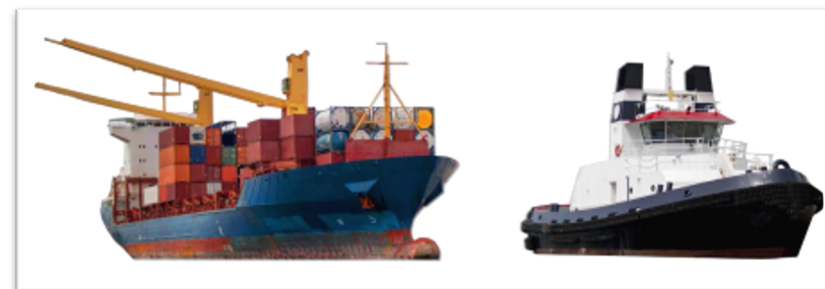
Talk About Ports





Stay Tuned: Best Practices Web Area Update

- Best clean air practices generally and for each mobile source sector:
 - Port-wide planning
 - Linking to interactive map
 - Drayage Truck
 - Rail
 - Ocean Going Vessels
 - Cargo Handling Equipment
 - Harbor Craft
- Information:
 - Overview of practice
 - Technical resources
 - Tips on performance targets and data collection
 - Real world examples



Stay Tuned: Interactive Map

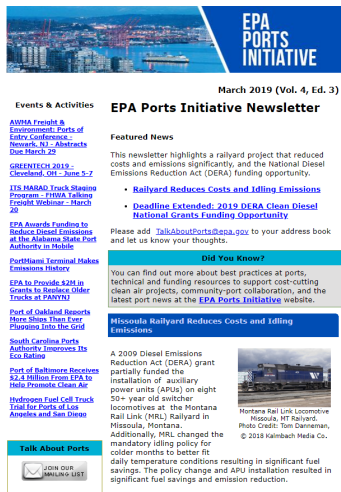
- Highlighting clean air practices in place at U.S. ports in an interactive web application
- Initial Scope:
 - Top 25 container, tonnage, and dry bulk ports
 - These are the same 49 U.S. ports featured in Bureau of Transportation Statistics Port Performance and Freight Statistics Program*
 - Key practices we're promoting in the project sustainability section of the DERA RFA
 - Emissions inventories
 - Emission reduction targets
 - Current or planned emissions reductions activities
 - Community engagement
 - Clear point of contact for community members
 - Forum for public comments
 - Policy or process to get community input
 - DERA awards
 - Publicly available information

* The FAST Act requires that DOT provides nationally consistent measures of performance for the Nation's top 25 ports by tonnage, TEU, and dry bulk (49 USC § 6314)

Keeping in touch

EPA's Ports Initiative website and newsletter sign-up:

www.epa.gov/ports-initiative



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Army Corps "Principal Ports" and EPA Regions

