

Update on EPA Ports Initiative

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EPA Office of Transportation and Air Quality

MSTRS Meeting
June 15, 2021



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



Diesel emissions and near-port communities

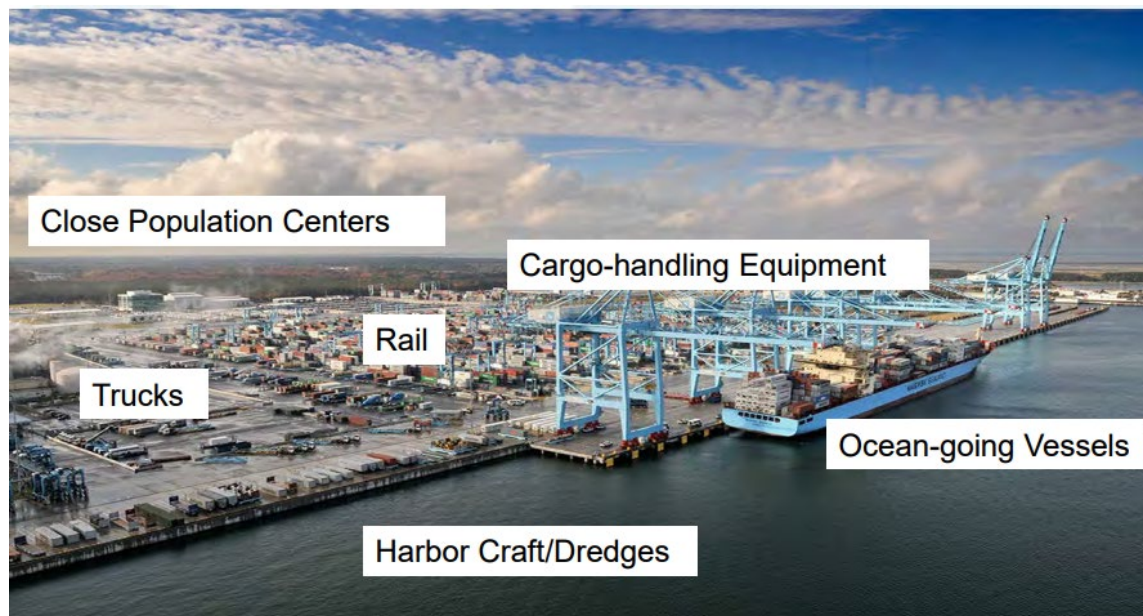


Photo source: Susan Monteverde, AAPA presentation on 9/24/13 EPA Webinar: "A National Conversation on the State of US Ports"

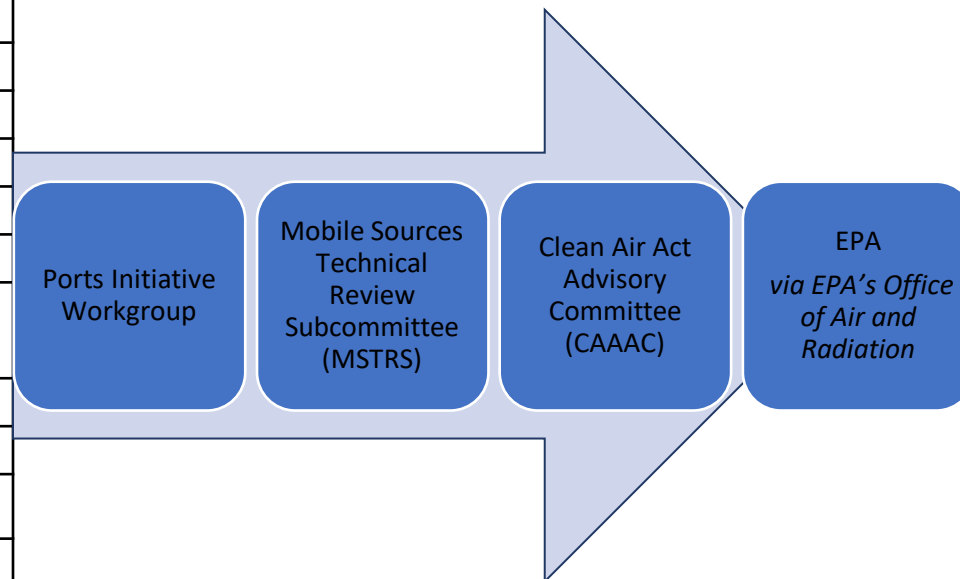


Photo source: Angelo Logan, East Yards Communities for Environmental Justice presentation on 1/14/14 EPA webinar: "A National Conversation on the State of US Ports"

MSTRS Ports Initiative Workgroup

May 2014 – June 2016

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

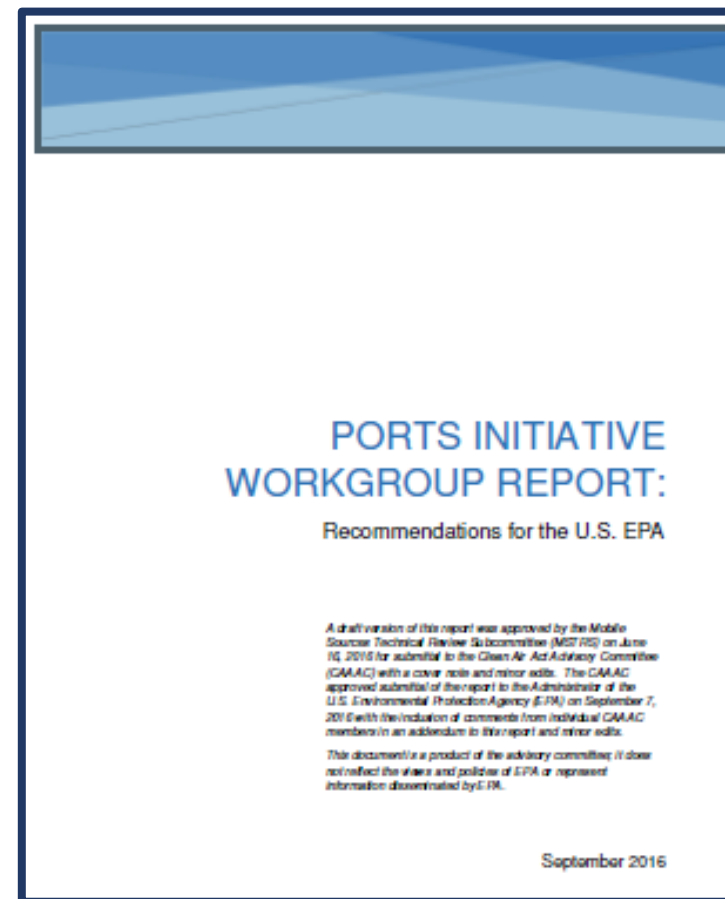


Received recommendations September 2016 through Advisory Committee

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



Promoting clean air best practices at ports

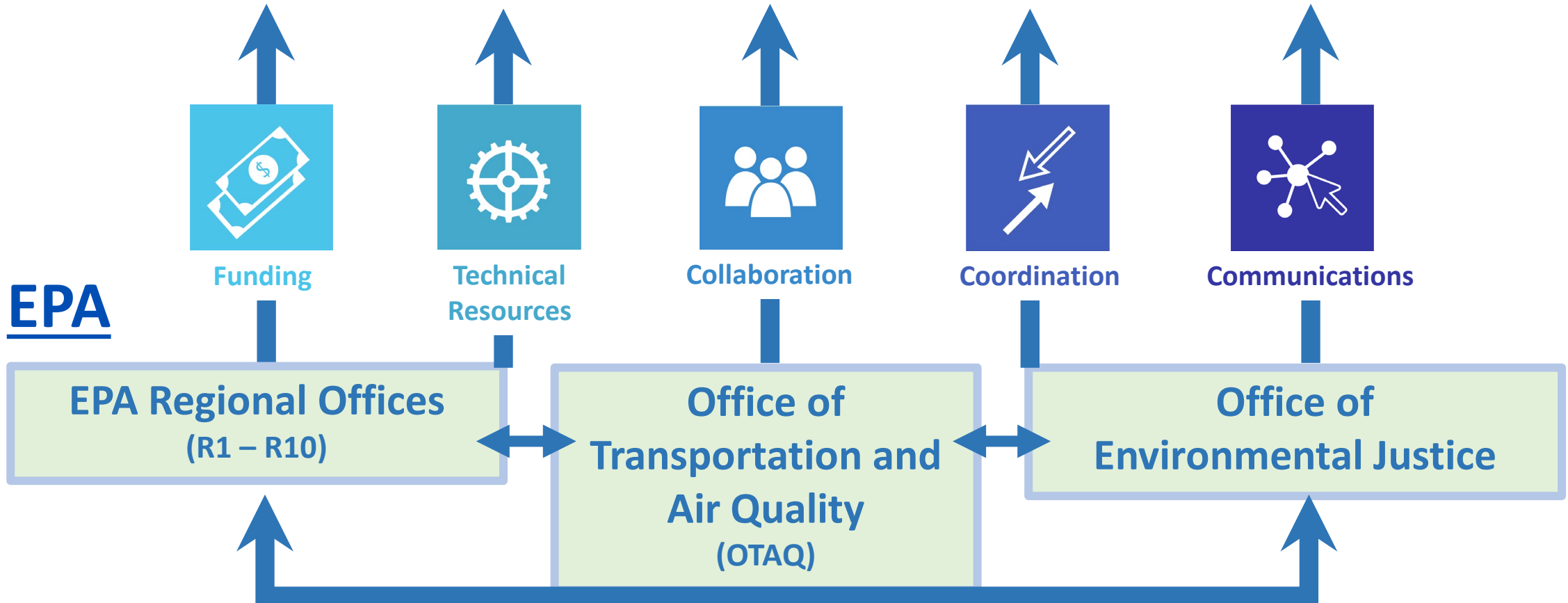


Through EPA tools and assistance in the five program areas, we aim to accelerate adoption of:

- **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!

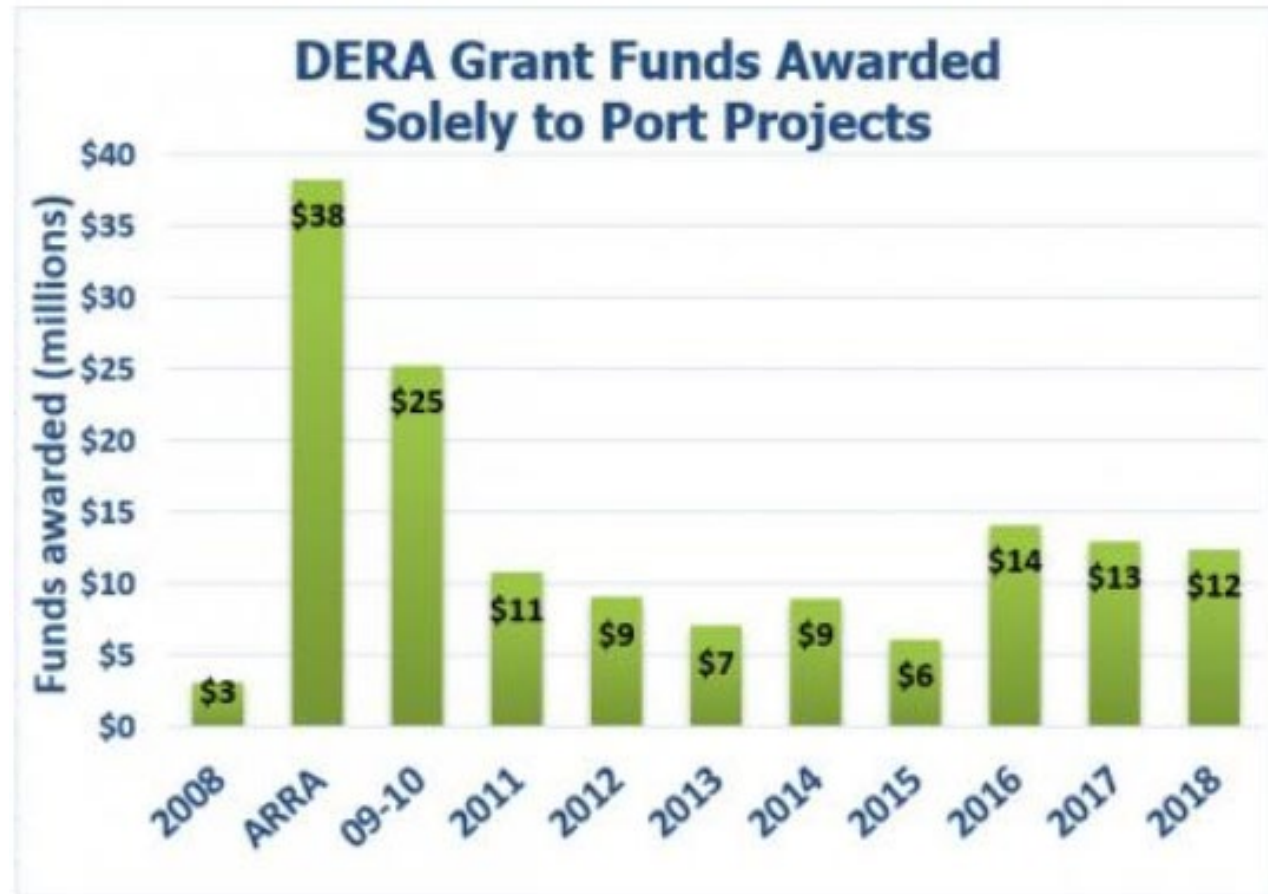


Helping ports capitalize on funding for clean technologies



Funding

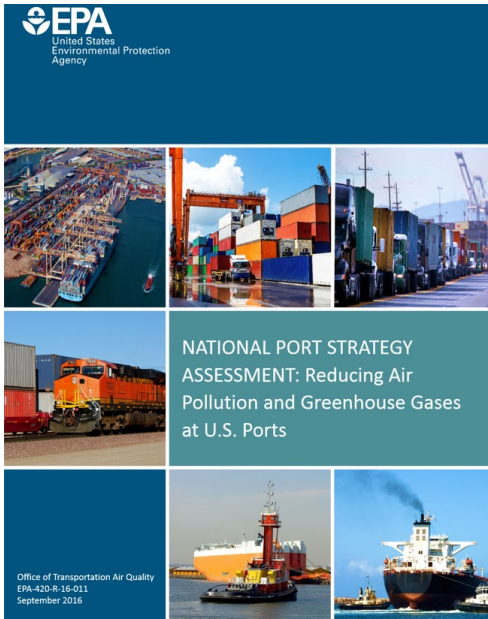
- DERA
 - Priority for port and other goods movement projects.
 - Extra points for inventories, clean air plans, community engagement.
 - DOT funding programs now includes similar criteria
- EPA Regional staff helping to make connections to other funding sources.



- 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

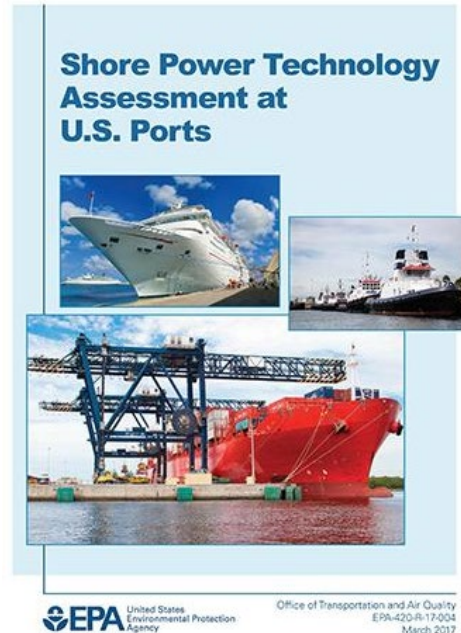
Providing tools to help identify smart infrastructure investments



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

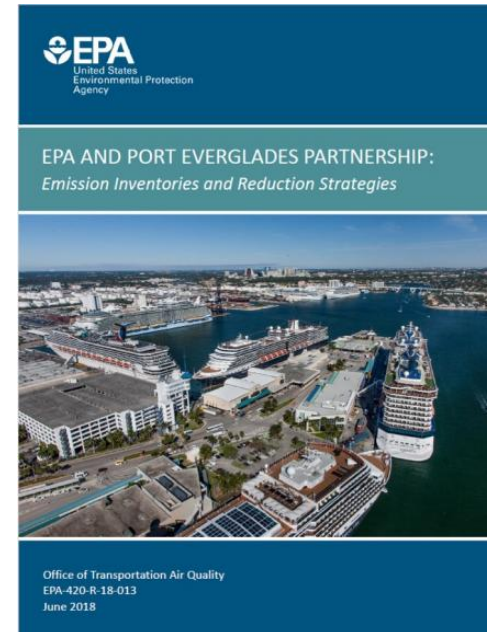


Shore Power Technology Assessment at U.S. Ports*

April 2017

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

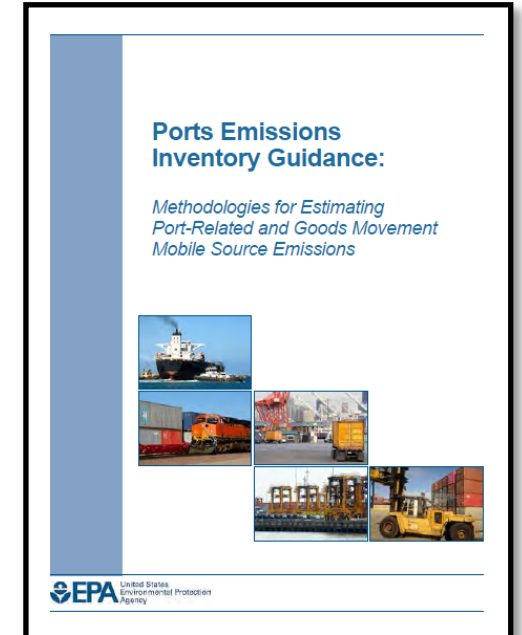
*Update planned for later this year



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>

Promoting community-port collaboration for effective planning



Collaboration



Port of Savannah Tour

- 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.

- FY21 EJ Small Grants RFA emphasis on Ports Initiative projects



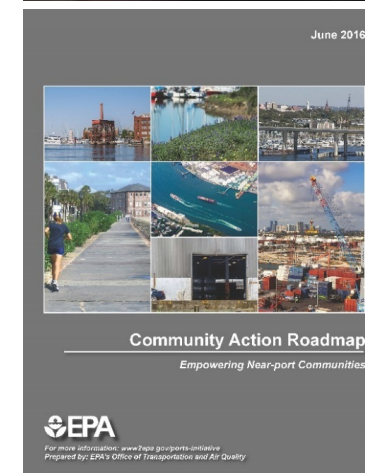
Collaboration Training

Ports Initiative Emphasis for FY21 EPA Environmental Justice Small Grants



Collaboration

- EJ Small Grants Program (FY21 RFA closed June 1)
 - Funding for projects to engage, educate, empower communities with environmental justice concerns
 - Non-profit and tribal organizations that work directly in local community and U.S. territories are eligible.
 - **\$75k** 1-year projects focused on initial steps of understanding and addressing local environmental issues
- Ports Initiative projects
 - Special focus on projects in up to six Regions to help prepare community groups for collaborative efforts with coastal and inland port and railyard operators to address diesel emissions
 - Demonstrated use of Ports Initiative [Community Action Roadmap](#) is strongly encouraged (Steps 1-3):
 - prioritizing goals and concerns
 - identifying levers of change
 - identifying influencers and other stakeholders with whom to build relations



www.epa.gov/community-port-collaboration/2021-environmental-justice-small-grants-opportunity-communities-living



Creating a Knowledge Clearinghouse

Headquarters 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.

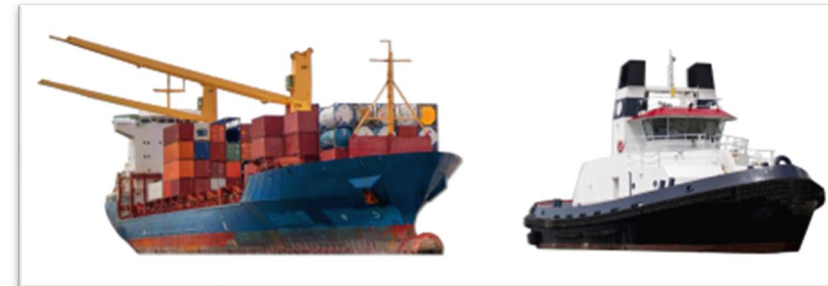
Talk About Ports





Best Practices Web Area Update

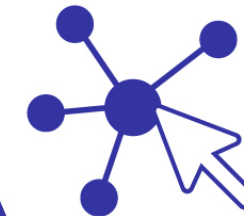
- Best clean air practices generally and for each mobile source sector:
 - Port-wide planning
 - Linking to interactive map
 - Drayage Trucks
 - Rail Facilities
 - Ocean Going Vessels
 - *Coming soon:*
 - *Cargo Handling Equipment*
 - *Harbor Craft*
- Information:
 - Overview of practice
 - Technical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





REAL-WORLD
EXAMPLES

Interactive Map Highlighting Clean Air Practices at Ports

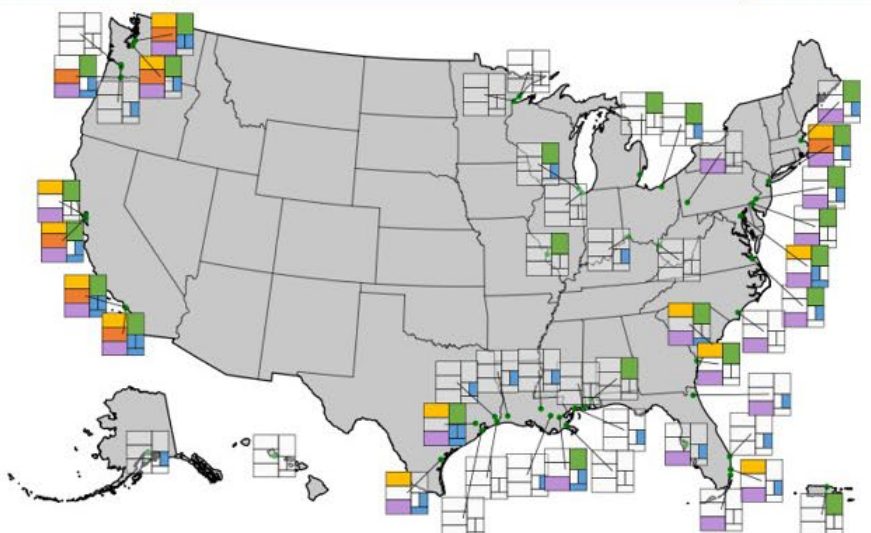


Communications

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 49 ports featured in the [Bureau of Transportation Statistics' Port Performance Freight Statistics in 2018: Annual Report to Congress](#). 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.

About
National Map
Summary Table



Go to Port Profile

Export Summary

Export Full Dataset

Clear Selections

Emissions Inventory

Emissions Reduction Target

Emissions Reduction Activity

DERA-Funded Project*

Community Engagement Policy

Forum for Public Comments

Point of Contact for Community

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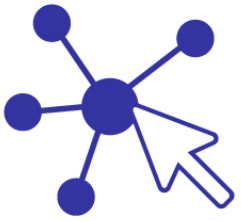
Community
Engagement

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



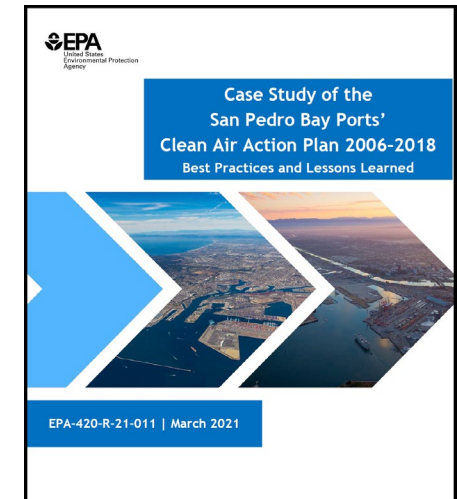
REAL-WORLD
EXAMPLES

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





Keep 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

