Update on EPA’s Ports Initiative

AAPA Harbors & Navigation Committee and QPI meeting
November 17, 2020
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!

EPA Regional Offices (R1 – R10)

Office of Transportation and Air Quality (OTAQ)

Office of Environmental Justice

- Funding
- Technical Resources
- Collaboration
- Coordination
- Communications
Helping ports capitalize on funding for clean technologies

• 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

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

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

Port Emissions Inventory Guidance: Methodologies for Estimating Port-Related and Goods Movement Mobile Source Emissions, September 2020
Stay tuned: Upcoming 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

• 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
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

• Federal coordination to support clean air projects as part of major federal infrastructure projects.
  o 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
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
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

Army Corps “Principal Ports” and EPA Regions

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