

Advantages of Conducting Port Emissions Inventories

*Webinar
June 7, 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



Overview of EPA Ports Initiative

Sarah Froman, EPA Office of Transportation and Air Quality

Promoting clean air best practices at ports

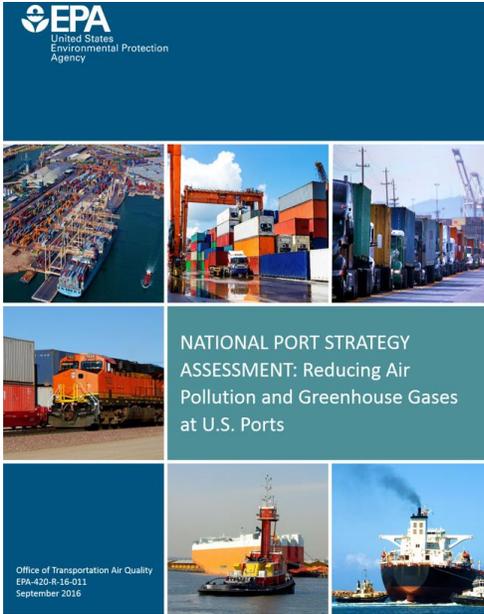


Through EPA tools and assistance in the five program areas, we aim to accelerate adoption of:

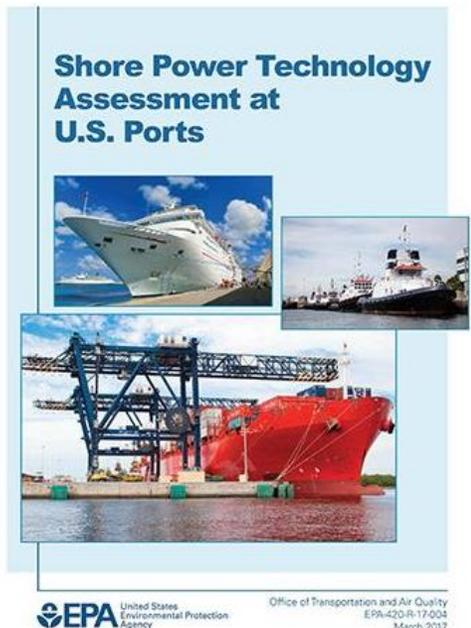
- **Cleaner technologies and other strategies**
- **Clean air planning practices** (emissions inventories, clean air plans, community engagement) that inform strategic clean air investments



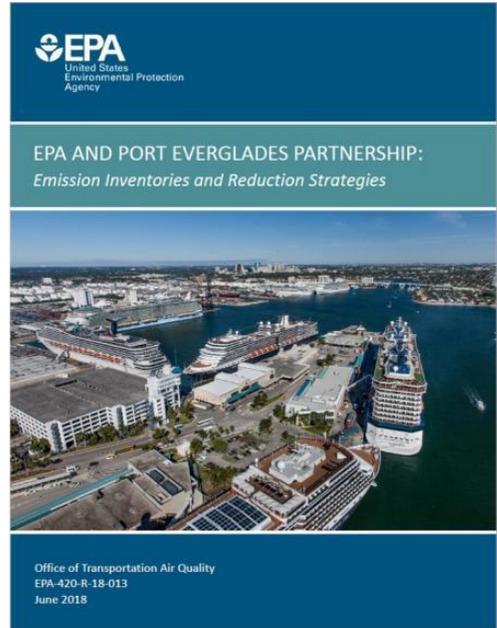
Providing tools to help identify smart infrastructure investments



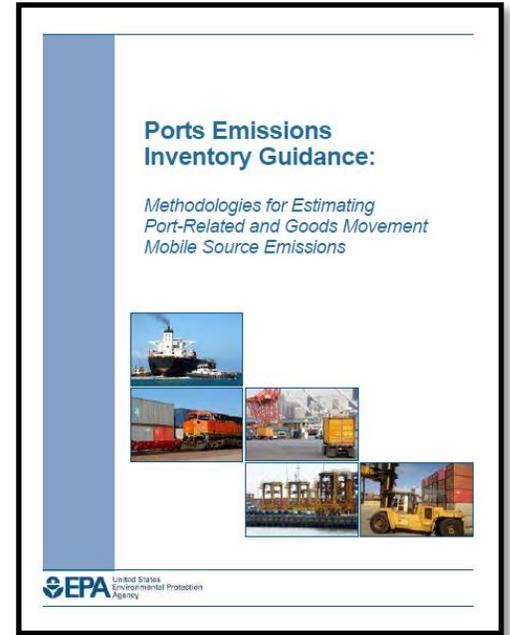
National Port Strategy Assessment: Reducing Air Pollution and Greenhouse Gases at U.S. Ports
September 2016
www.epa.gov/ports-initiative/national-port-strategy-assessment-reducing-air-pollution-and-greenhouse-gases-us



Shore Power Technology Assessment at U.S. Ports
April 2017
www.epa.gov/ports-initiative/shore-power-technology-assessment-us-ports



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



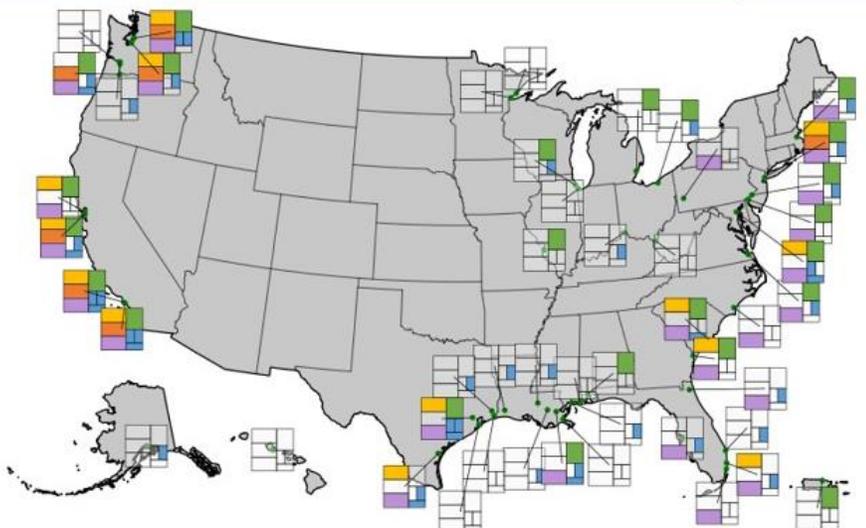
Port Emissions Inventory Guidance: Methodologies for Estimating Port-Related and Goods Movement Mobile Source Emissions, September 2020
www.epa.gov/ports-initiative/port-and-goods-movement-emission-inventories

Interactive map highlighting clean air practices at ports

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.

Navigation tabs: **About** | **National Map** | Summary Table



Interactive buttons on the right:

- Go to Port Profile
- Export Summary
- Export Full Dataset
- Clear Selections

Legend for map markers:

- Emissions Inventory
- Emissions Reduction Target
- Emissions Reduction Activity
- DERA-Funded Project*

Community Engagement options:

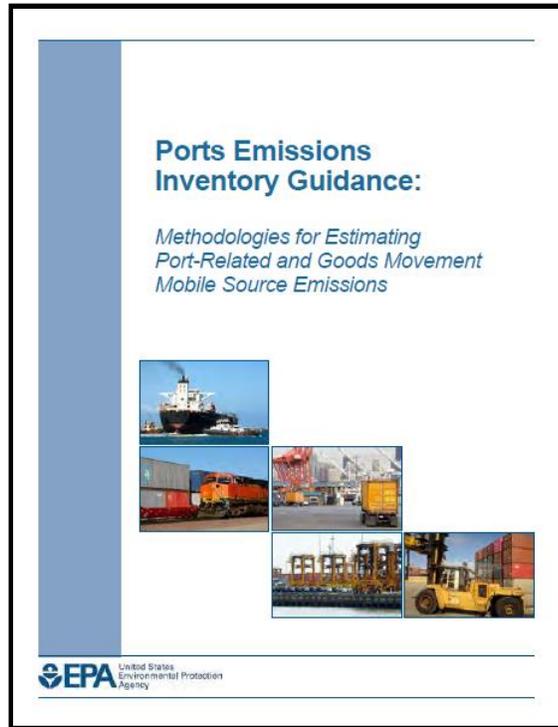
- Community Engagement Policy
- Forum for Public Comments
- Point of Contact for Community

EPA's Views on Advantages of Conducting Emission Inventories

Daniel Birkett, EPA Region 2



Port Emissions Inventory Guidance



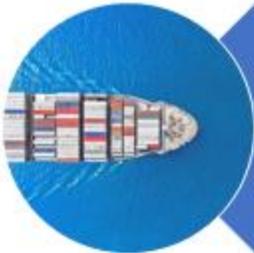
<https://www.epa.gov/ports-initiative/port-and-goods-movement-emission-inventories>

- Updated September 2020
- Describes the latest, state-of-the-science methodologies and models used to prepare a port-related emissions inventory
- Includes methods to quantify air emissions for:
 - Cargo handling equipment, onroad vehicles, rail, and vessels
 - Activity occurring at seaports, lake ports, river ports, rail yards, freight terminals, intermodal facilities, or freight corridors
- Applicable for regulatory, voluntary, or research purposes

Why port emission inventories?



Evaluation and planning tool



Federal funding



Stakeholder relationships

EPA AND PORT EVERGLADES PARTNERSHIP: *Emission Inventories and Reduction Strategies*



Evaluation and planning tool

Inventories are a starting point for understanding air quality impacts. They can help identifying specific port activities and equipment for action and benchmark progress towards clean air goals.

Diesel Emissions Reduction Act (DERA) Funding



Federal funding

The evaluation criteria for EPA's DERA grants include *"a publicly available baseline mobile source emission inventory for PM2.5 and/or NOx that was completed after 2017 or [the applicant] commit[s] to completing one before the end of the project period."*

Stakeholder relationships

Publicly available inventories can provide transparency and help strengthen relationships with local communities and other stakeholders

