



Show Power Assessment and other EPA Ports Initiative Resources

Mike Moltzen
U.S. EPA - Office of Transportation & Air Quality

AAPA Cruise Seminar
Feb 21, 2019



Vision for EPA 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.





EPA 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

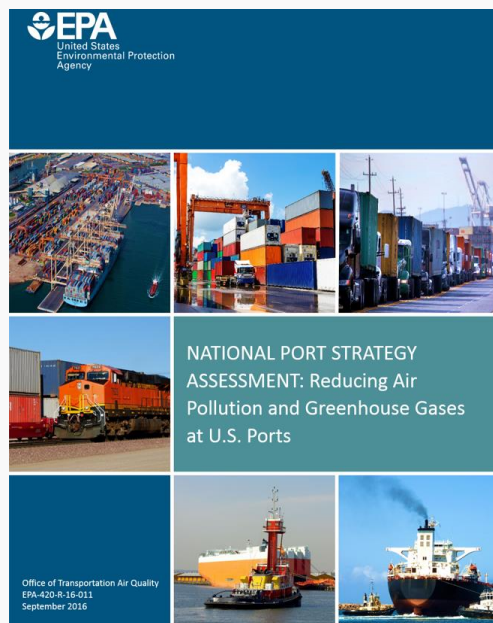
Increasing Efficiency in
Federal Government and
Port Operations

Communications

Creating a Knowledge Clearinghouse

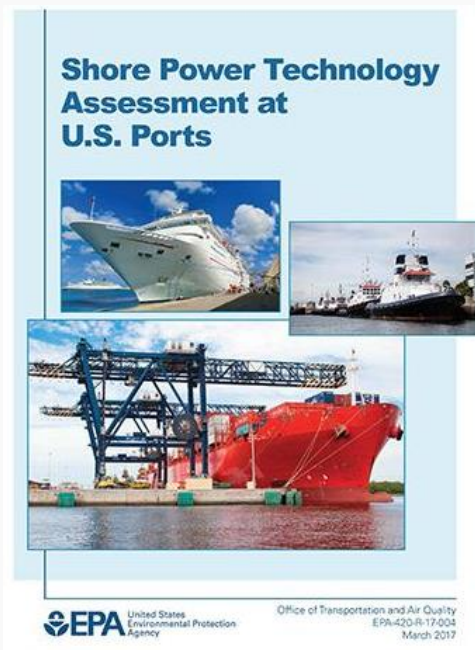
Technical Resources

Providing Tools to Help Identify Smart Infrastructure Investments



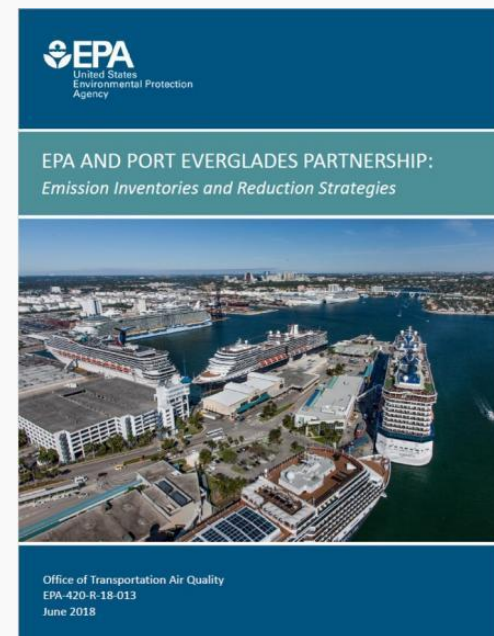
National Port Strategy Assessment: Reducing Air Pollution and Greenhouse Gases at U.S. Ports

- Released September 22, 2016
- Available at: www.epa.gov/ports-initiative/national-port-strategy-assessment



Shore Power Technology Assessment at U.S. Ports

- Released April 4, 2017
- Available at: 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

- Released June 1, 2018
- Available at: <https://www.epa.gov/ports-initiative/epa-and-port-everglades-partnership-emission-inventories-and-reduction-strategies>

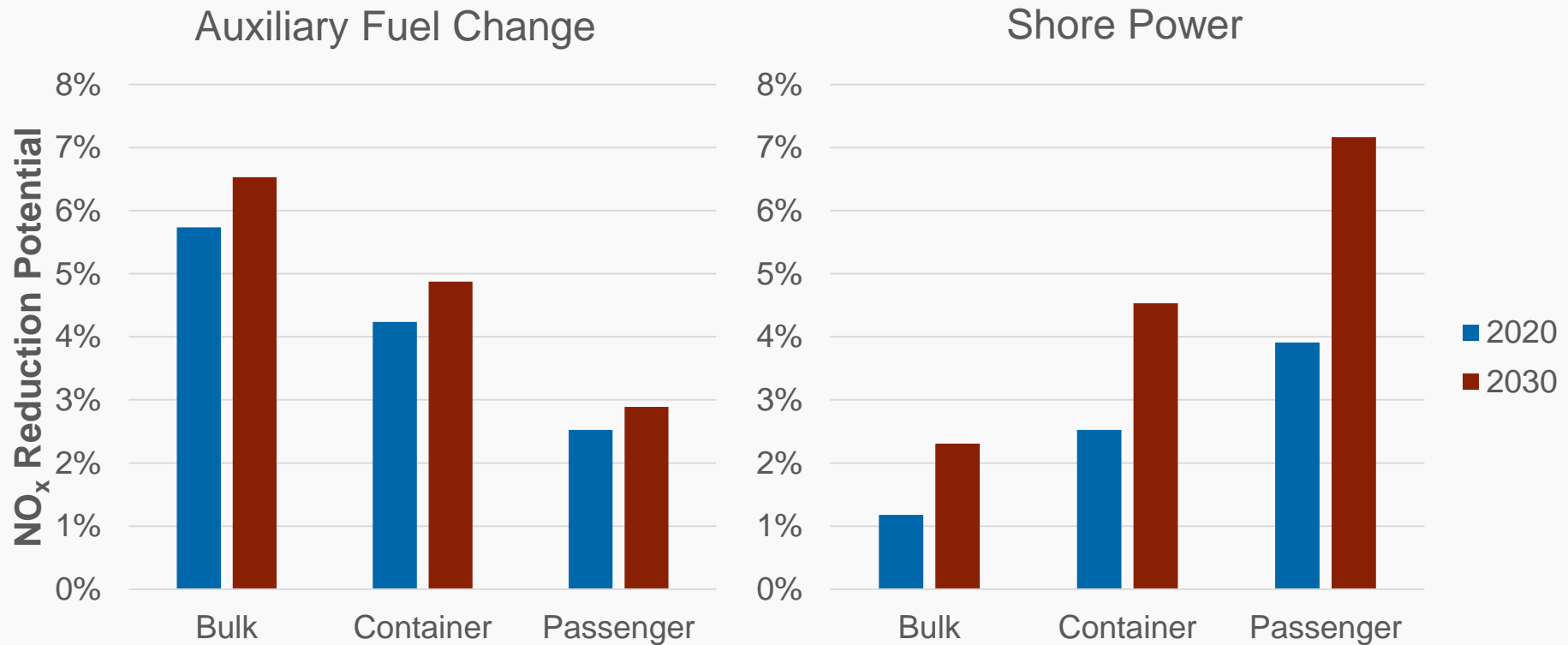
National Port Strategy Assessment

OGV Strategies

Strategy:	Applied to:
Fuel Changes (lower sulfur levels, LNG)	Propulsion & Auxiliary Engines
Shore Power	Frequent Callers Only
At-Berth Alternative Control Technology	Non-frequent Callers Only (container & tanker)
Reduced Hoteling	Container Ships Only

National Port Strategy Assessment

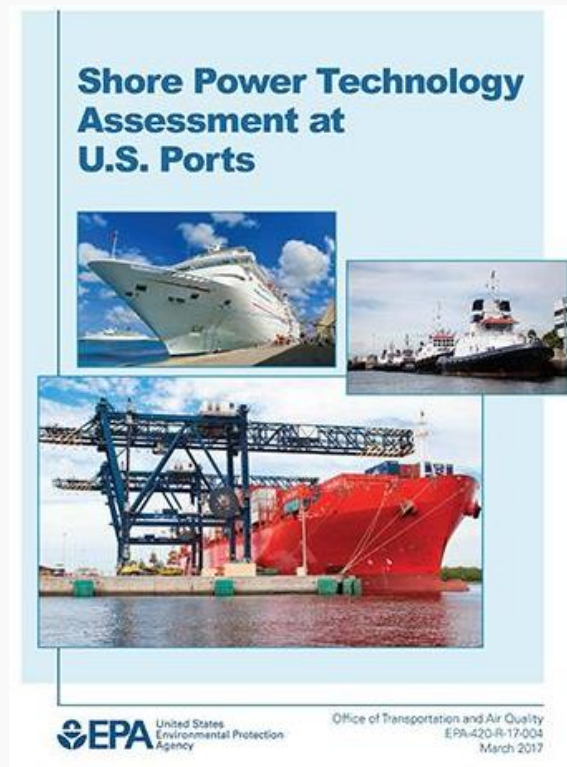
Effective strategies are available for every type and size of port



Shore Power Assessment

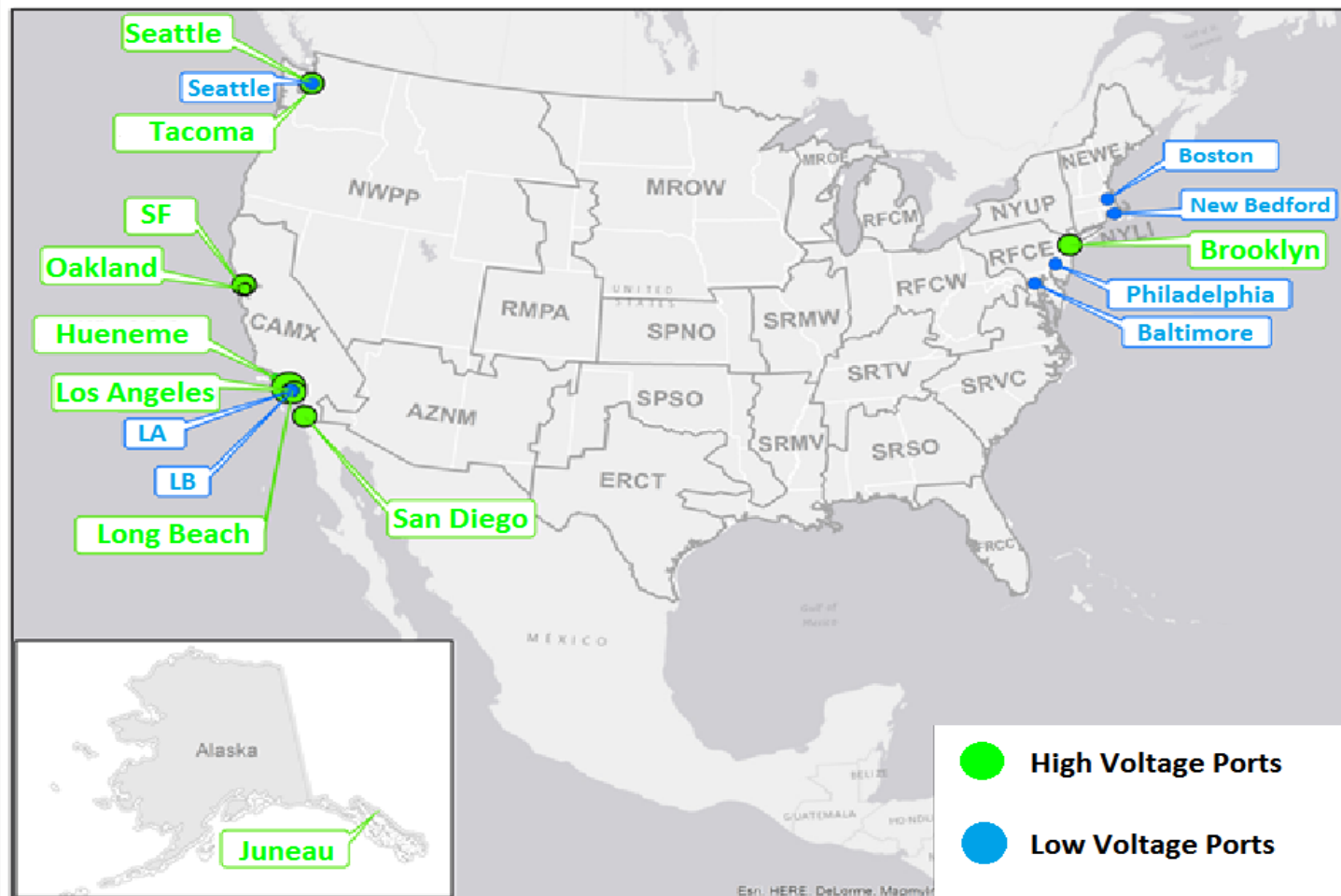
Overview

- 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



Shore Power Assessment

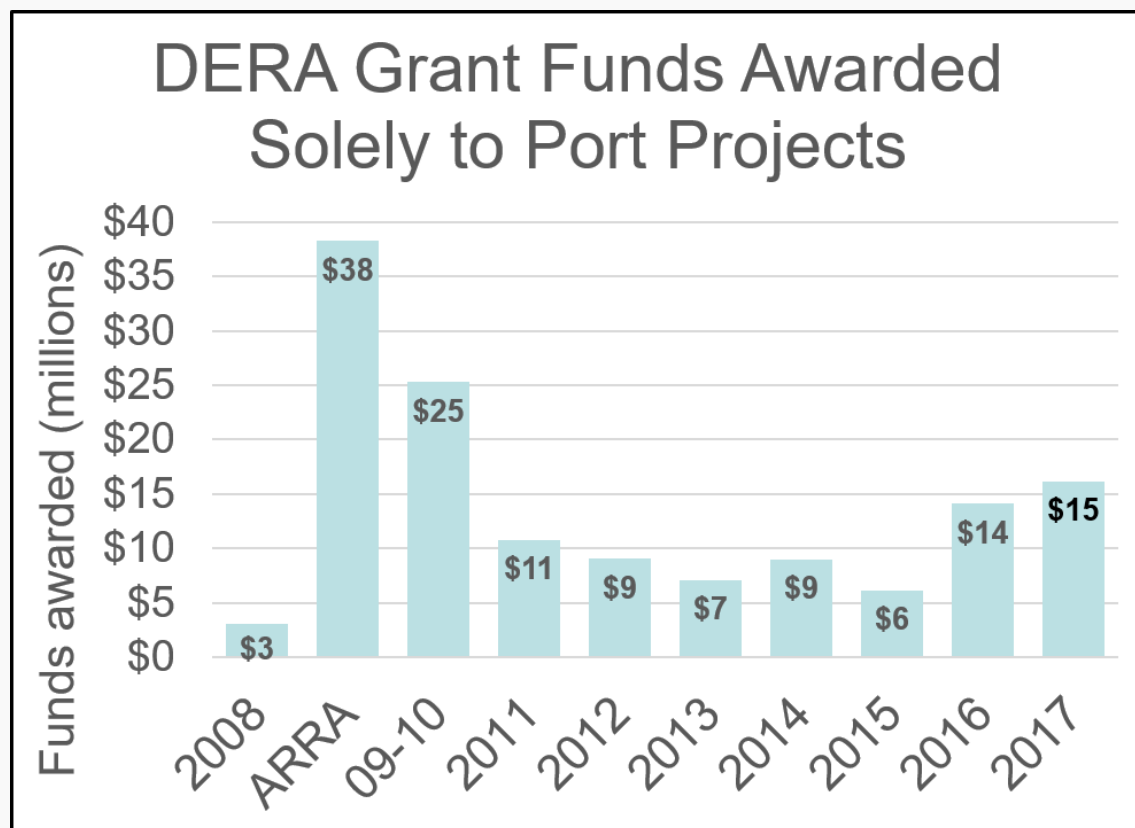
Existing Locations



Funding

Helping Ports Capitalize on Funding for Clean Technologies

- EPA Diesel Emission Reduction Act (DERA) grants.
 - 2019 DERA RFA closes on March 6.
- VW beneficiaries demonstrating interest in local port projects.
- EPA Regional staff helping to make connections to other funding sources.



- Searchable table of funding opportunities on Ports Initiative website:

Stay Tuned...!

Additional Resources Coming This Year

- Update to port inventory guidance including methods for estimating marine vessel emissions.
- Factsheets on operational strategies that can reduce emissions and increase efficiency such as vessel speed reduction.
- Additional case studies.
- Updates to searchable table of funding opportunities.

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

www.epa.gov/ports-initiative

Keep in touch:

talkaboutports@epa.gov

Mike Moltzen: (734) 214-4830, Moltzen.Michael@epa.gov

