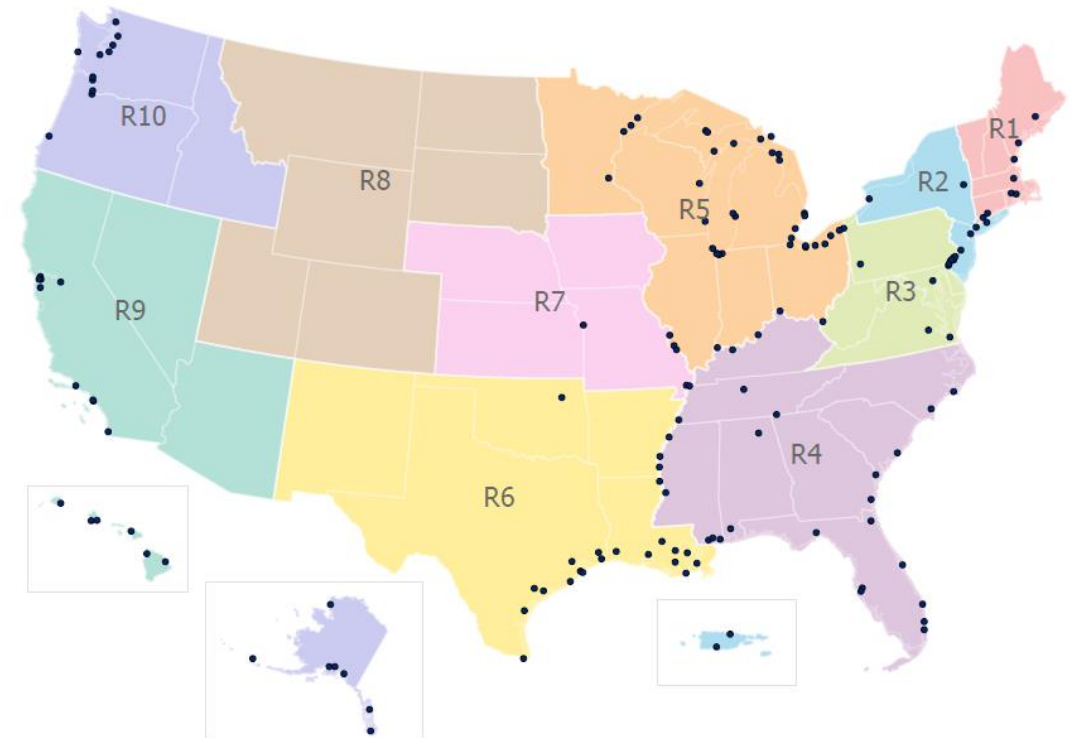


Update on EPA's Ports Initiative



Army Corps "Principal Ports" and EPA Regions



Overview of EPA's Ports Initiative



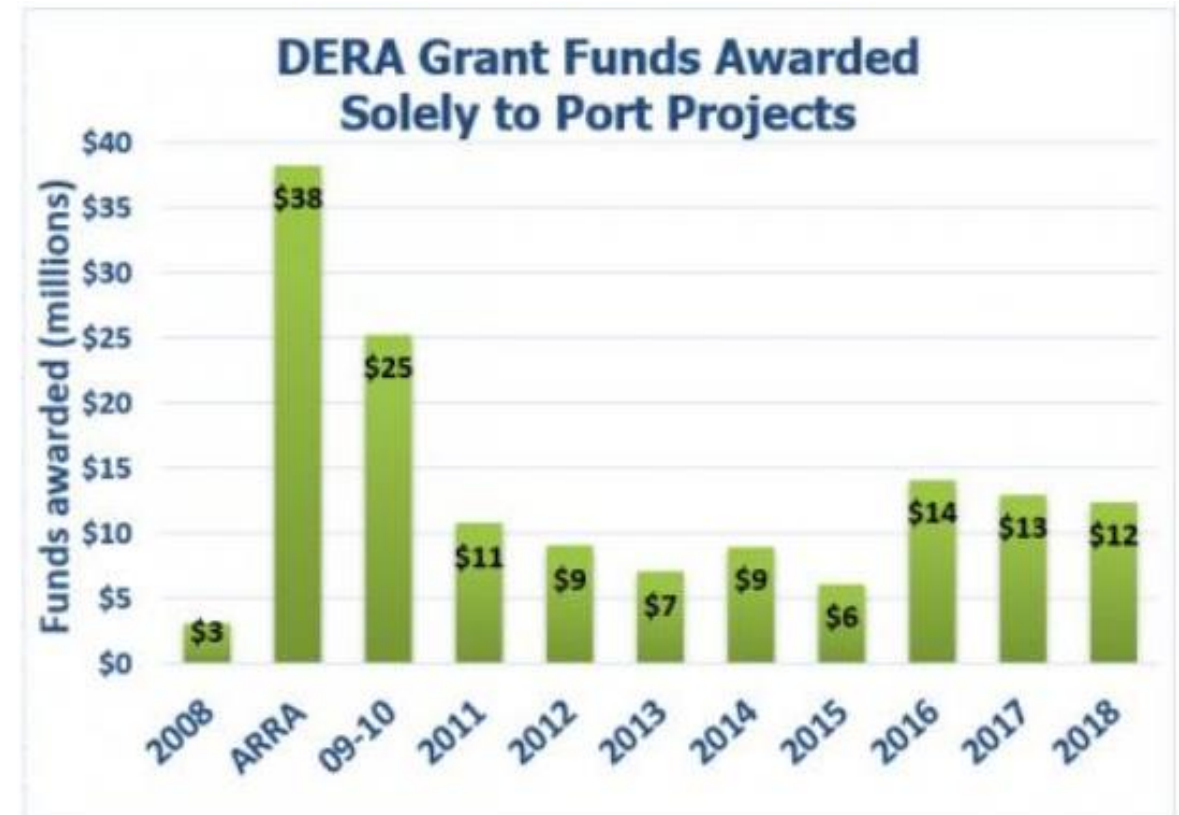
Through EPA tools and assistance in the five program areas, we are accelerating adoption of:

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

Helping ports capitalize on funding for clean technologies



- EPA Diesel Emissions Reduction Act (DERA) Grants
 - Priority for port and other goods movement projects.
 - Extra points for inventories, clean air plans, community engagement.
 - Next RFA expected in December
- Searchable table of cross-government funding opportunities
- Tips for successful grant applications
www.epa.gov/ports-initiative/funding-opportunities-ports-and-near-port-communities



Upcoming EPA Technical Resources

U.S. EPA Port Emissions Inventory Guidance Update

Kick-Off Webinar
December 13, 2018



Presented by:
United States Environmental Protection Agency
Office of Transportation and Air Quality



Update to port inventory guidance (published in 2009) to reflect new methods and emissions factors
Public review draft target date:
Dec 2019



Assessment of fuel cell applications at ports

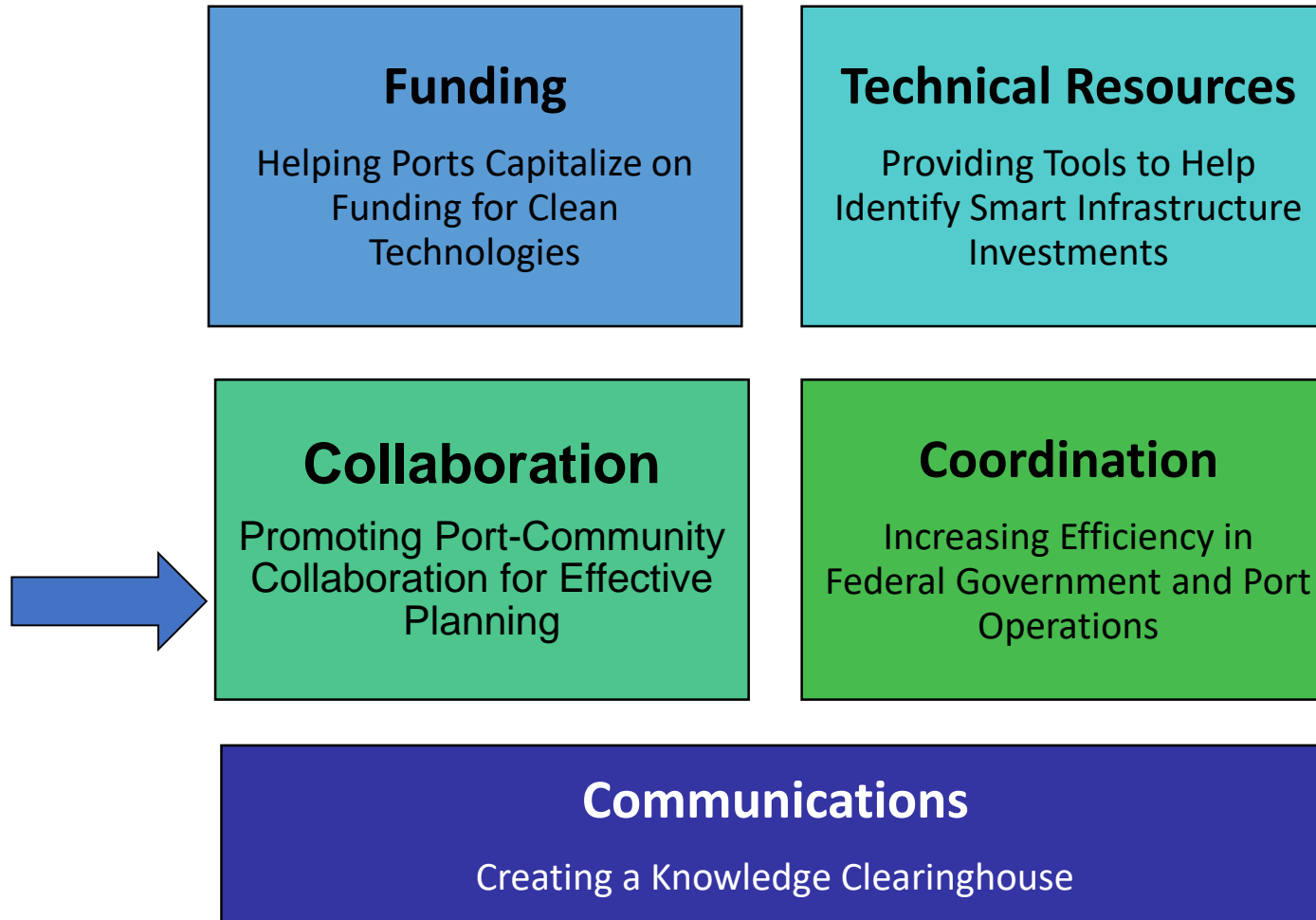
Type: Rail	Data Collection Information	Evaluation	Further Actions and Performance Targets
<i>Metric/Indicator</i> Average Engine Tier and % Tier 2 or older	<ul style="list-style-type: none">A port or terminal can track the engine tier of the locomotives that operate within port boundariesThe Inventory Guidance provides information on collecting the engine tier for locomotives	It is suggested that the port authority/operator track the average engine tier of these locomotives as a general metric, as well as the percent of locomotives that are Tier 2 or older to identify the worst performing equipment	Ports/terminals can develop a plan to incentivize or fund the repowering and replacing of old locomotives. This plan can include specific goals for increasing the average model year and decreasing the percent Tier 2 or older

Best practices for metrics and indicators that ports can use to measure, evaluate and set goals to improve air quality and community engagement



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

Ports Initiative Elements



Stakeholder Feedback

- Near-port communities seek better access to ports' decision-making process
- Communities seek transparency, user friendly/timely data, and resources to improve conditions
- Communities want access to operational data and welcome opportunities to expand their knowledge about freight transport and port facilities
- Federal agencies should revisit guidance documents on community engagement
- Feedback from industry *about* communities: Communities' primary air quality concerns are outside of port's control; communities don't understand port operations

Near-port Community Capacity Building Project

Purpose & Objectives

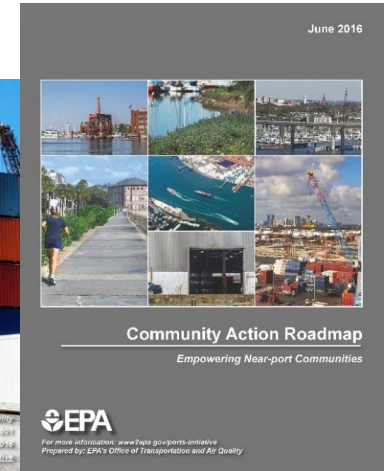
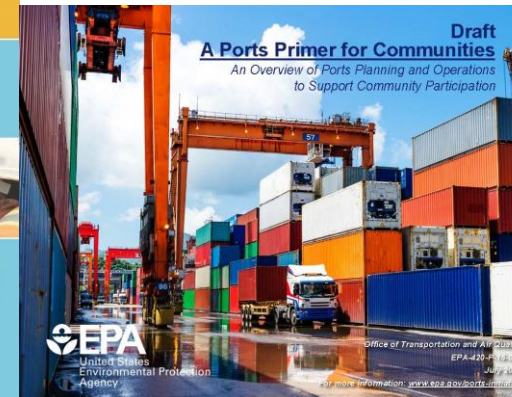
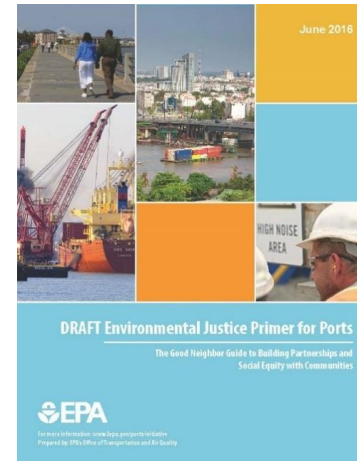
- To provide stakeholders with information and a process to collaboratively develop solutions for environmental, health and related community-driven concerns associated with port-related activities
- To develop and implement capacity-building resource tools to equip/empower communities for effective decision-making engagement with port-related entities

Promoting community-port collaboration for effective planning



Collaboration

- EPA recently completed pilot projects where we convened stakeholder dialogues, delivered technical assistance, and tested three draft tools.
 - Pilot locations: Savannah, GA; New Orleans, LA; Seattle, WA; and Providence, RI
 - On-site activities
 - Site visits
 - Putting the Toolkit into practice
 - Port tours
 - Community tours
 - Specialized training
 - Stakeholder dialogues
 - Action plan development
- Now updating tools and finalizing other resource materials from pilots (e.g. case studies, training modules).



Port of Savannah Tour

Collaboratively-developed Capacity Building Tools



[Draft Ports Primer for Communities: An Overview of Ports Planning and Operations to Support Community Participation](#)

An interactive tool and reference document that characterizes the port industry sector including environmental and community health impacts associated with port activities.



[Draft Community Action Roadmap: Empowering Near-Port Communities](#)

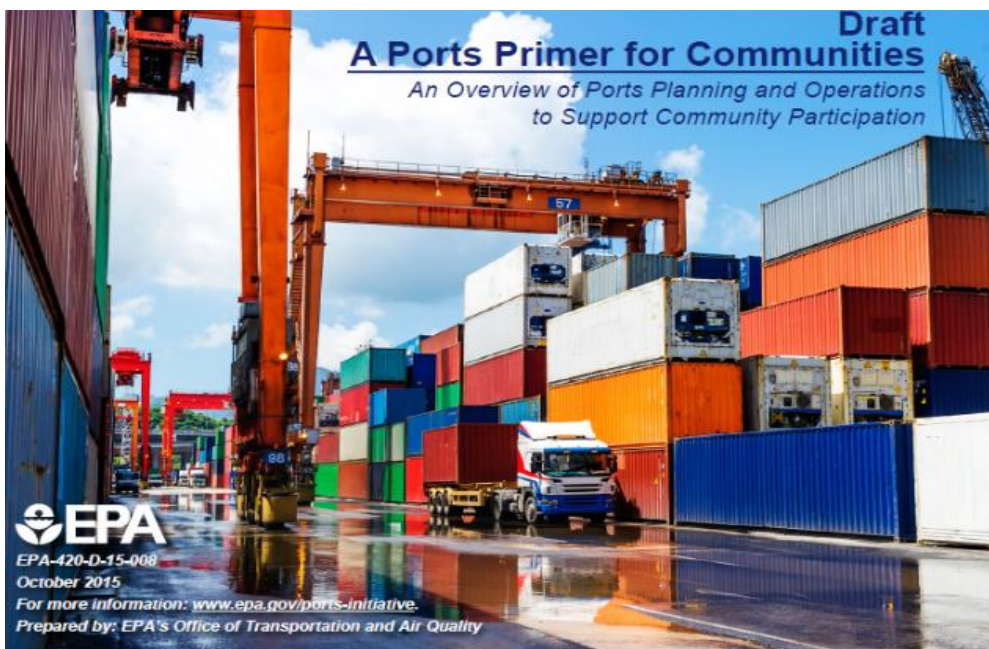
An implementation companion for the Ports Primer for Communities that provides a step-by-step process for building capacity and preparing community stakeholders



[Draft Environmental Justice \(EJ\) Primer for Ports: The Good Neighbor Guide to Building Partnerships and Social Equity with Communities](#)

Designed to inform the port industry sector of the perspectives, priorities, and challenges often unique to communities with EJ concerns.

In addition to orienting the port sector about EJ considerations this resource is structured to provide step-by-step guidance to improve the effectiveness of port and community engagement in addressing concerns of impacted residential communities.



***Draft
Ports Primer for Communities:
An Overview of Ports Planning and
Operations to Support Community
Participation***










An interactive tool and reference document that characterizes the port industry sector including environmental and community health impacts associated with port activities

[Draft Ports Primer for Communities \(PDF\)](#)

<https://www.epa.gov/community-port-collaboration-and-capacity-building/draft-ports-primer-communities> [\(webpages\)](#)

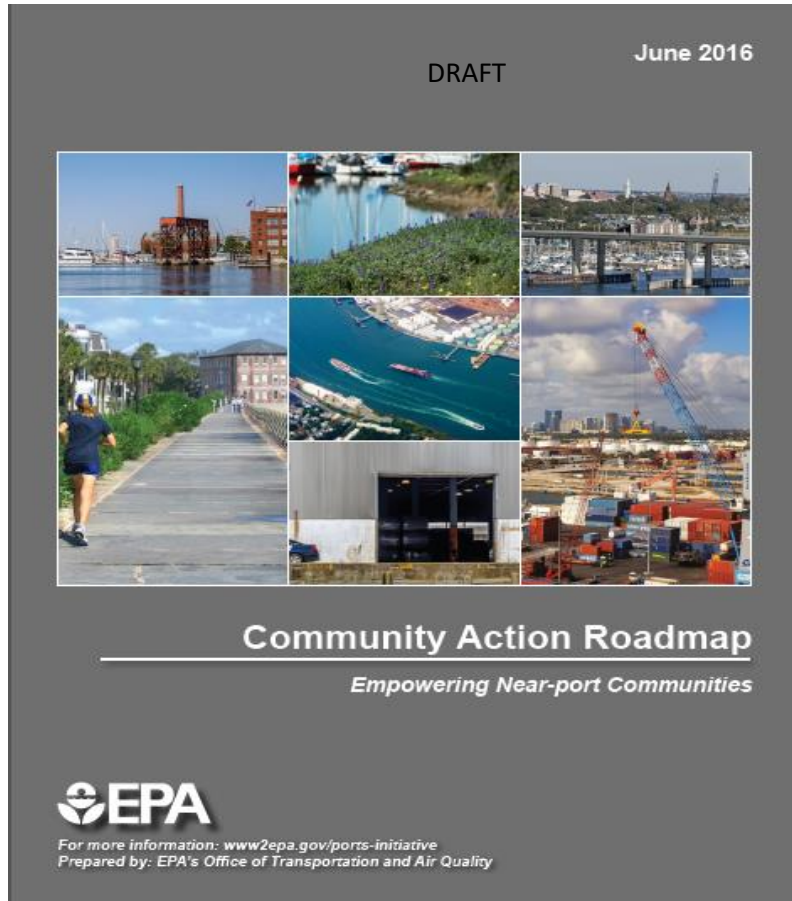
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Draft
Ports Primer for
Communities

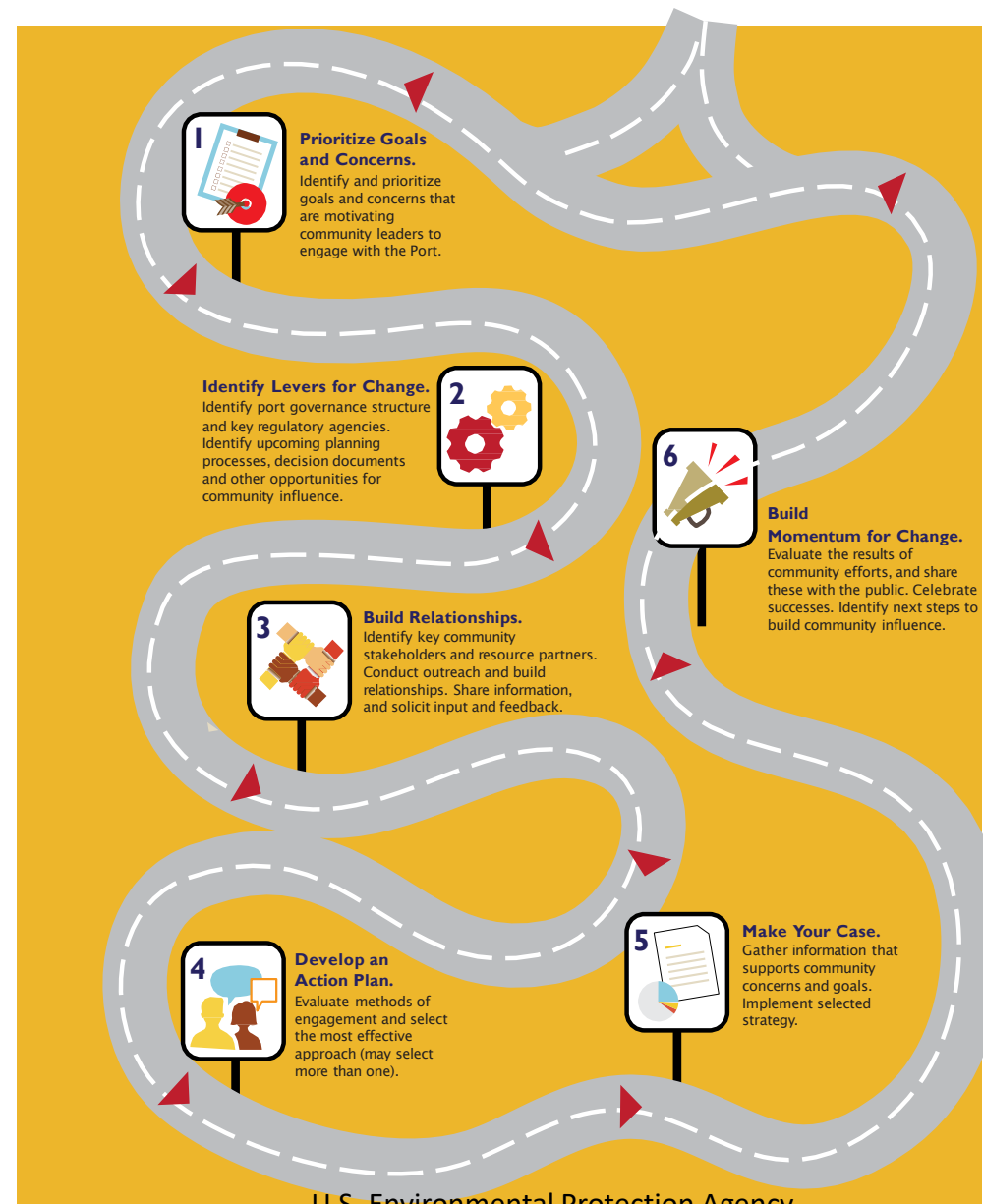




***Draft
Community Action Roadmap:
Empowering Near-port Communities***

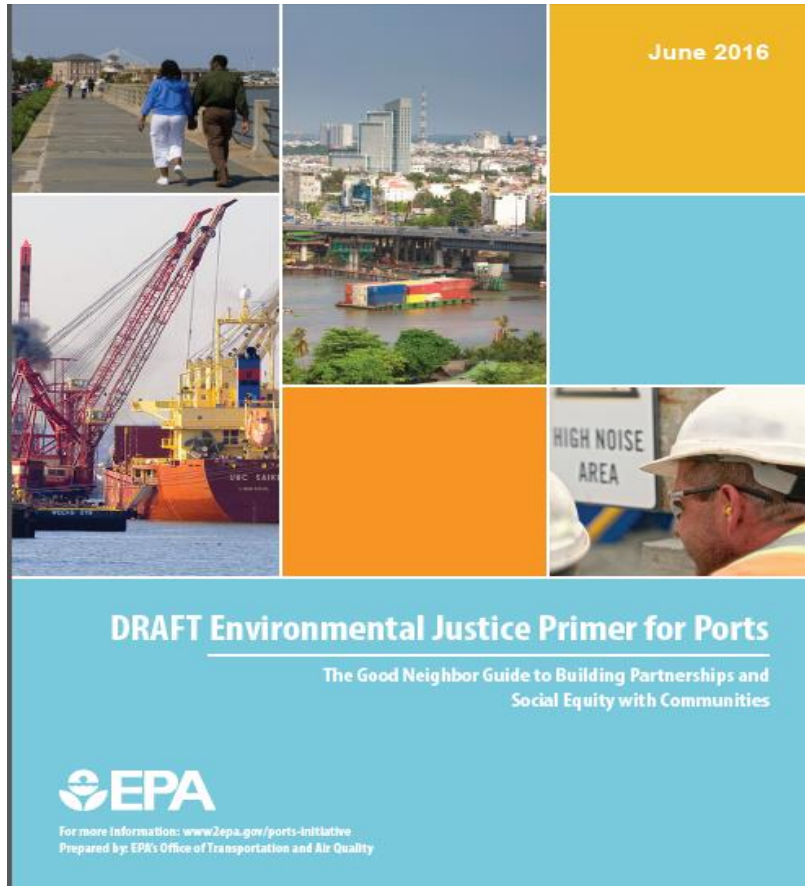
[Draft Community Action Roadmap \(PDF\)](#)

An implementation companion for the Ports Primer that provides a step-by-step process for building capacity and preparing community stakeholders to engage nearby port facilities and influence decision-making on issues of community interest



Draft
Community
Action Roadmap

sample page



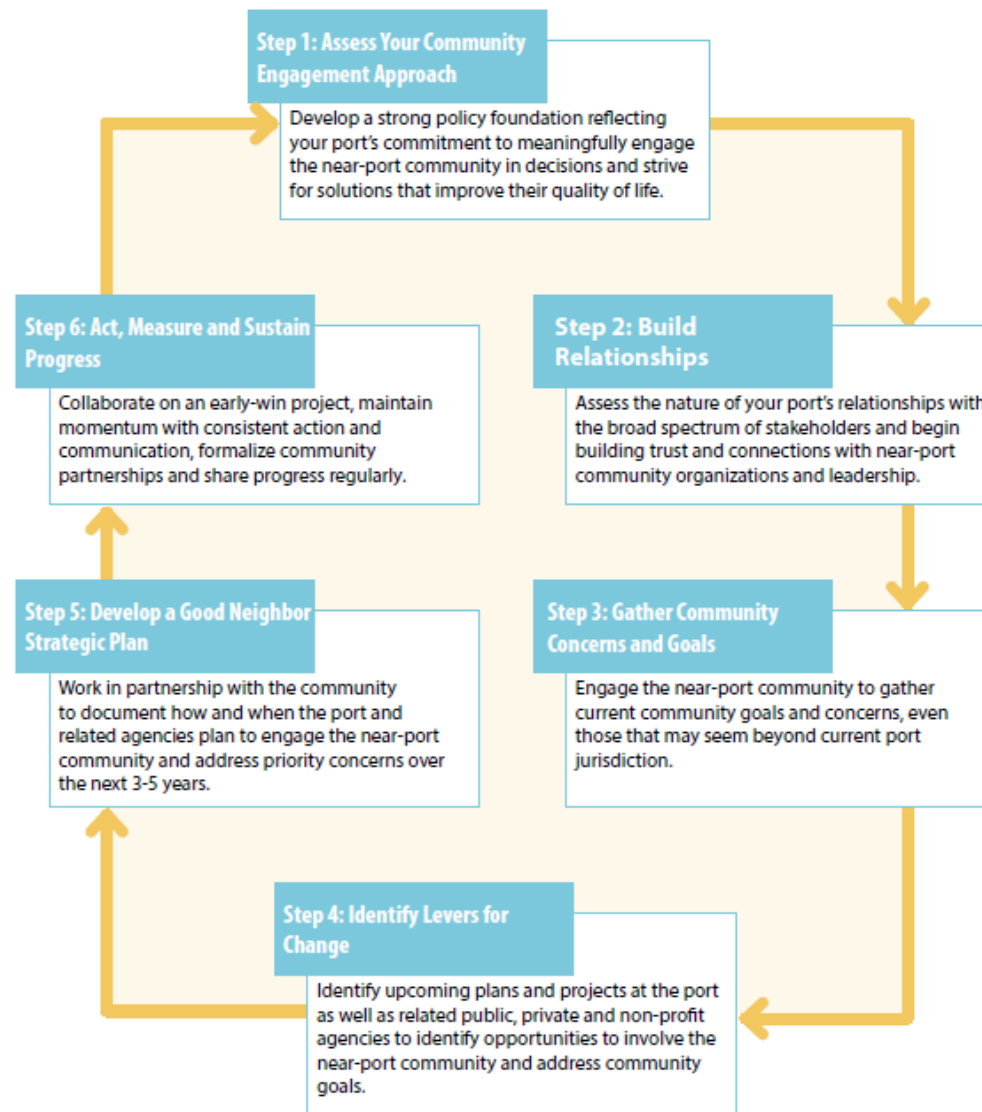
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Good Neighbor Guide Steps



Outcomes and Lessons

- A series of social equity advancements in Seattle:
 - Landmark contractual agreement which demonstrates valuing community expertise via compensation to community partners for engagement activities
 - Establishment of a Community-based External Advisory Committee to participate in a port executive hiring decision
 - Pilot project has formally transitioned into a long-standing port program. Through official channels the Port of Seattle Commissioners established support for the Duwamish Valley Community Equity Program.
- An Air Quality Improvement Action Plan for near-port communities in Savannah.
- Improvements to neighborhood properties affected by port asset management and maintenance practices; strengthened partnerships and established communication channels with nearby residents in New Orleans
- Establishment of a Collaborative Working Group composed of port businesses, terminal operators, city & state government, community organizations and others which meets regularly to collaboratively determine objectives and prioritize investments to improve environmental performance and community conditions in Providence.

Implementation & Follow-on



Updated Capacity Building Toolkit, process guidance, training modules and additional resource materials are being prepared for web accessibility



EPA continuing support for implementation of stakeholder-determined plans resulting from pilot activities

- Recent Air Quality Community Monitoring Workshop – Savannah



EPA building/expanding internal capacity for supporting additional stakeholder engagement activities for near-port communities, ports, and other freight transport entities



EPA exploring opportunities to advance the equity conversation among a variety of institutions, organizations, and businesses



National Clean Diesel Campaign



**EPA Regions 9 & 10: AK, AZ, CA, HI, ID, NV, OR, WA,
Pacific Islands & 419 Native Tribes**



WEST COAST COLLABORATIVE

A public-private partnership to reduce diesel emissions

- 1) Public-private partnerships to reduce diesel emissions
- 2) Support technology advancements and deployments to increase efficiency and economic growth
- 3) Provide technical assistance and EPA grant funding to deploy cleaner vehicles and equipment



Picture: Pre-1980 school bus exhaust

Port-related WCC DERA awards

- FY 2019:
 - Hybrid Rubber-Tired Gantry Crane Replacements, Port of Long Beach, \$1.5M
- FY 2018:
 - Tugboat Engine Replacements and Non-Road Equipment Replacement, Port of Los Angeles, \$279,750
 - Tier 4 Locomotive Replacement at the Port of Long Beach, South Coast AQMD, \$719,500
 - Low NOx Truck Replacements in Southern California, South Coast AQMD, \$1,601,523
 - The Columbia Corridor Association – Diesel-Powered Truck Replacement Program, \$576,419

Targeted Airshed Grant program

A competitive grant program to reduce air pollution in the top 5 nonattainment areas throughout the nation for: 8-hour average ozone (based on the 2015 8-hour standard); 24-hour PM_{2.5} and annual average PM_{2.5}.

R9 Ports Initiative activity – CAAP Case Study

- A case study of the San Pedro Bay Ports' (POLA + POLB) Clean Air Action Plan (CAAP)
- History, key aspects of the plan, community-port relationship
- To be released early 2020