

EPA Ports Initiative

IRA Clean Ports Program Overview

Transportation and Climate Division
EPA Office of Transportation and Air Quality
presented by EPA Region 5

July 28, 2023



Promoting best practices to reduce diesel emissions at ports



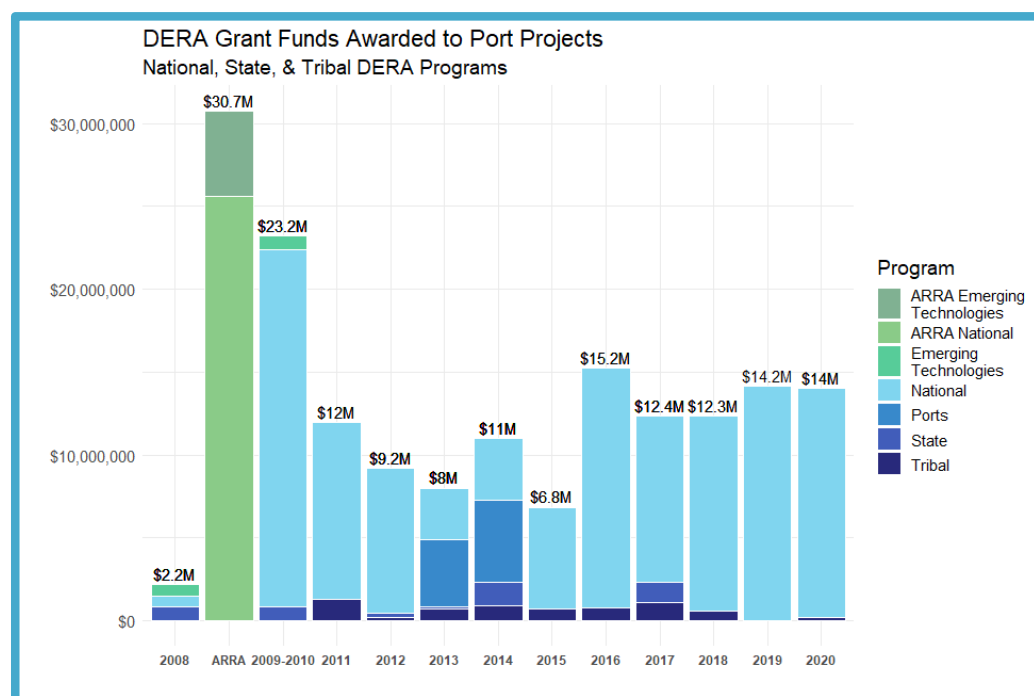
Through EPA tools and assistance in the five program areas, we aim to accelerate adoption of:

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

Helping ports capitalize on funding for clean technologies



- Diesel Emission Reduction Act (DERA) Grant program
 - Priority for port and other goods movement projects.
 - Extra points for inventories, clean air plans, community engagement.
- New funding in the:
 - Bipartisan Infrastructure Law
 - Inflation Reduction Act, including new \$3B Clean Ports Program



- 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

New Funding in the Bipartisan Infrastructure Law to Support Port Emissions Reductions

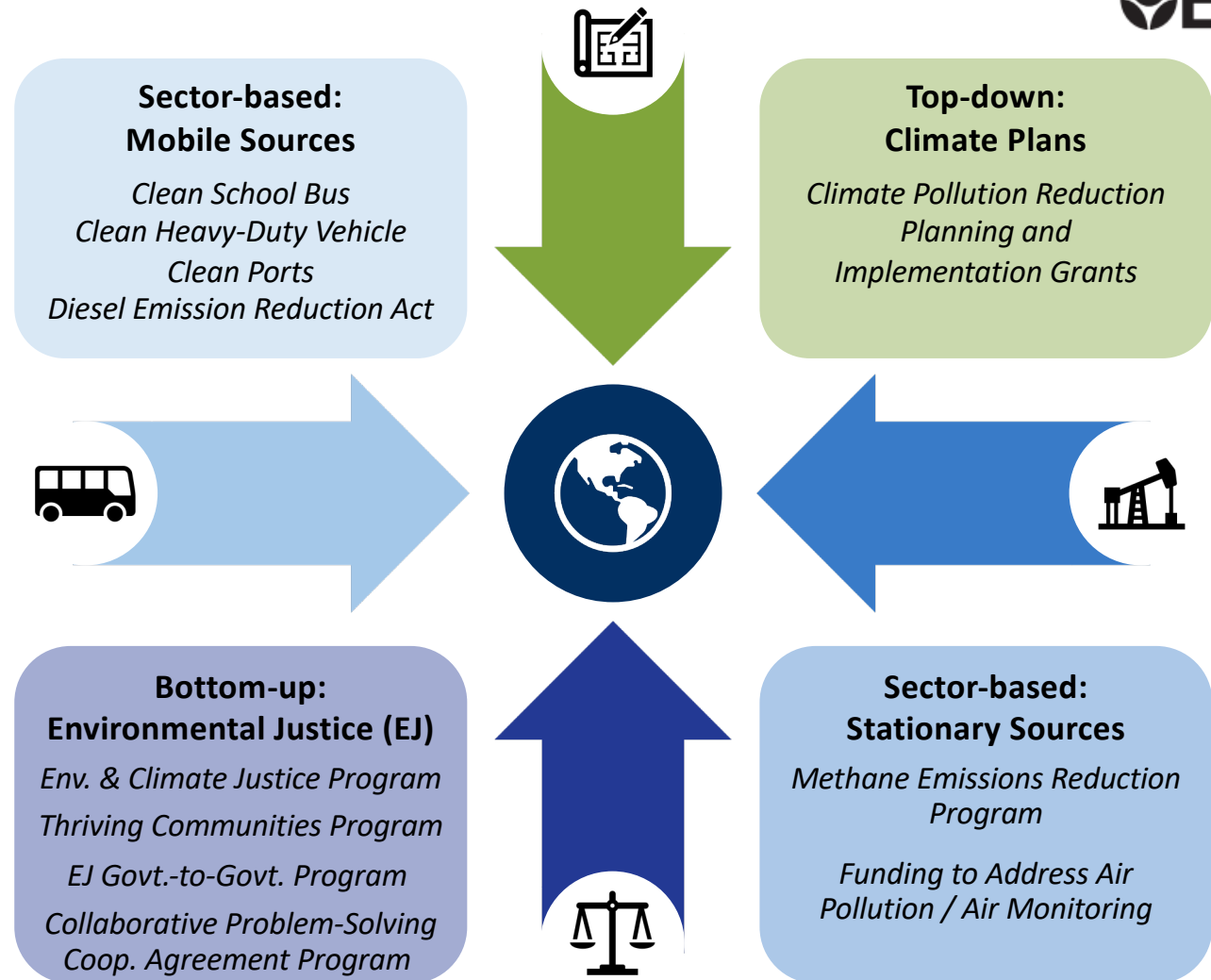


Examples of DOT programs in the November 2021 Bipartisan Infrastructure Law

- Reduction of Truck Emissions at Port Facilities – new program, \$50M/year FY22-26
 - First Notice of Funding Opportunity open now through July 26
 - Funding to test, evaluate and deploy projects to reduce emissions from trucks at port facilities (e.g., through electrification and efficiency improvements)
- Electric or Low-Emitting Ferry Pilot Program – new program, \$50M/year FY22-26
- Port Infrastructure Development Program – more funding for existing program \$450M/yr FY22-26
 - New eligible project types:
 - Cleaner port equipment (harbor craft, cargo handling equipment, anti-idling technologies)
 - Port electrification planning, micro-grid development, electric charging infrastructure
 - Resiliency measures to address sea-level rise, flooding, extreme weather events

TACKLING CLIMATE AND AIR POLLUTION FROM MULTIPLE ANGLES

U.S. Environmental Protection Agency



*Not exhaustive

Overview

Sec. 60102 Grants to Reduce Air Pollution at Ports

- New \$3B EPA program to fund grants and rebates to:
 - purchase or install zero-emission port equipment or technology;
 - conduct any relevant planning or permitting in connection with the purchase or installation of such zero-emission port equipment or technology; and
 - to develop qualified climate action plans.
- \$750M of total funding to be spent in nonattainment areas
- Up to 2% for administrative costs (\$60M)
- Funding available through September 30, 2027

Eligible Recipients

- Port authority
- State, regional, local, or Tribal agency that has jurisdiction over a port authority or port
- Air pollution control agency
- Private entity that:
 - i. Applies in partnership with an eligible entity above, and
 - ii. Owns, operates, or uses facilities, cargo-handling equipment, transportation equipment, or related technology of a port.

Criteria for Technology/ Equipment

- Produces zero emissions; or captures 100% emissions that are produced by ocean-going vessels at berth
- Human-operated equipment or human-maintained technology
- Located at, or directly serve, one or more ports

Climate Action Planning

Qualified climate action plan:

- Establishes **goals, implementation strategies, and accounting and inventory practices** to reduce emissions of *GHGs, criteria air pollutants, and hazardous air pollutants* at one or more ports
- Includes strategy to **collaborate/communicate with and to address potential effects of plan on low-income and disadvantaged near-port communities** and other stakeholders
- Describes **measures to increase resilience** of port

Stakeholder Engagement to Inform Design of Clean Ports Program



EPA has received valuable input from stakeholders on how to design the program

- November and December listening sessions
- General request for information (RFI) that closed on Jan 18
- Input shared with cleanports@epa.gov

To further inform program design, the Administrator announced a technical RFI open from May 8-June 5 on zero-emissions class 6 and 7 heavy-duty vehicles; zero-emissions port equipment; and associated charging and other fueling infrastructure. Topics of interest:

- **Availability** including manufacturer production capacity.
- **Performance** including durability and maintenance requirements.
- **Pricing** including payback period and lifecycle costs relative to those operating on conventional fuels.
- **Practical considerations** including project development best practices and workforce training needs
- **Domestic sourcing** including whether the equipment is produced or will be produced in the US in the near future

www.epa.gov/inflation-reduction-act/clean-ports-program

Keep in touch



Communications

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

www.epa.gov/ports-initiative

For questions or input on the Clean Ports Program in the Inflation Reduction Act:

cleanports@epa.gov

EPA Regional Office contacts:

www.epa.gov/ports-initiative/regional-epa-ports-initiative-contacts

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Army Corps "Principal Ports" and EPA Regions

