



Reduction of Truck Emissions at Port Facilities



Est. application deadline¹: TBD



Est. funding¹: \$80M

1. Estimated based on last year's timing would be July; subject to change when NOFO is released. NOFO estimated to be released December 2024

Reduction of Truck Emissions at Port Facilities supports investments in intercity passenger rail transportation



Goals and merit criteria¹:

The Reduction of Truck Emissions at Port Facilities program will provide funding to test, evaluate, and deploy projects that reduce truck idling and emissions at ports, including through the advancement of port electrification and improvements in efficiency, focusing on port operations, including heavy-duty commercial vehicles, and other related projects.

The program goal can be achieved through, though is not restricted to, one or more of the following means:

- Promoting development of port-related infrastructure that reduces emissions from port-related truck idling, including the electrification of port operations, which can include truck parking electrification
- Promoting development of on-truck technologies that reduce emissions from port-related truck idling
- Promoting use of zero or low emissions powertrains or fuels on trucks
- Reducing truck congestion within or adjacent to ports, which can include promoting enhanced rail intermodal connections at ports
- Other improvements that reduce port-related emissions from idling trucks, including through the advancement of port electrification and improvements in efficiency focusing on port operations, including heavy-duty commercial vehicles, and other related projects

1. Estimated based on last year's criteria; subject to updates when NOFOs are released. NOFO estimated to be released December 2024

Source: Reduction of Truck Emissions at Port Facilities NOFO 2022-23

Reduction of Truck Emissions at Port Facilities Planning Details¹

Match funding
requirement: 20%

Direct Pay
applicability: Yes³

Description	Specific truck emissions reductions implemented include replacing diesel-powered trucks serving ports with zero or low emissions electric or alternative fuel-powered trucks, constructing electric vehicle charging infrastructure, employing port roadway access improvements, and studying technology enhancements to reduce truck emissions	
Award amounts	<i>Anticipated number of awards</i>	~15-20 ²
	<i>Approx. federal funding available for all awards</i>	~\$8M
Ongoing & past funded projects	2022-2023: Total grants: 19 Total funding: ~\$150M Average funding: ~\$8M	

1. Estimated based on last year's criteria; subject to updates when NOFOs are released. NOFO estimated to be released December 2024

2. Based on estimates from 2022 and 2023 awards, which were combined under one application

3. Description of eligible uses includes construction of electric vehicles charging infrastructure.

Source: Reduction of Truck Emissions at Port Facilities NOFO 2022-23

What you will need to apply¹

Reduction of Truck Emissions at Port Facilities Grant Program applications are open to ports, authorities that operate or utilize port facilities, and innovators for related technologies



Eligible Entities

Eligible applicants for RTEPF Grant Program funds are entities that:

1. Have authority over, operate, or utilize port facilities and/or intermodal port transfer facilities
2. Have authority over areas within or adjacent to ports and intermodal port transfer facilities, or
3. Will test and/or evaluate technologies that reduce truck emissions at port facilities and/or intermodal port transfer facilities.



Key Grant Application Components

Applicants shall submit an application that includes the following information:

- 1. Volume 1:** Technical Application
- 2. Volume 2:** Budget Application, including:
 - Standard Form (SF) 424 (Application for Federal Assistance)
 - SF-424A (Budget Information for Non-Construction Projects) or
 - SF-424C (Budget Information for Construction Projects)
 - SF-424B (Assurances for Non-Construction Projects) or SF-424D (Assurances for Construction Projects), only if required
 - SF-LLL (Disclosure of Lobbying Activities).

The projects will be evaluated to against the following criteria:

1. Safety
2. Climate Change and Sustainability
3. Equity and Justice
4. Workforce Development, Job Quality, and Wealth Creation

1. Estimated based on last year's criteria; subject to updates when NOFOs are released. NOFO estimated to be released December 2024

Examples of past winners from 2022-23 (examples outside Michigan)

Applicant: Port Department of the City of Oakland

Project: Powering Progress: Electrification of Materials Transport at the Port of Oakland

Location: Port of Oakland, CA

Funding: \$4M

Project description: The Port of Oakland and its partner, Eagle Rock, will purchase four, Class 8 electric trucks, one electric street sweeper, one electric pick-up truck, and eight EV chargers at Eagle Rock Terminal. In addition, funding will replace one aging diesel truck with a Class 8 electric truck and charger. All improvements are designed to reduce port-related emissions from idling trucks and facilitate charging at the port rather than refueling at nearby facilities.

Applicant: University of Alabama

Project: Implementation and Demonstration of On-Truck Fuel Injection Technology to Reduce Idle Emissions at Port Facilities

Location: Port of Mobile, AL

Funding: \$4M

Project description: The University of Alabama will implement a new fuel injection technology on trucks at the Port of Mobile that will reduce fuel consumption and cut emissions of greenhouse gases and other pollutants from idling trucks. Studies and continued testing of the new technology will be conducted at the port facility and has the potential for use nationwide.

Applicant: Voltera Power, LLC

Project: Voltera Electrification of American Ports (VEAP)

Location: Port of Savannah, GA

Funding: \$7.8M

Project description: Voltera Power, a zero-emissions refueling infrastructure provider will build a large-scale charging project near the Port of Savannah. The project will reduce emissions from port-related traffic by providing parking and charging services for medium- and heavy-duty electric vehicle (EV) fleets.