



AAPCA Update

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Office of Air & Radiation

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Addressing Air Pollution

Supporting Local Economies

Cultivate workforce for new industries

Spur economic growth

Support low-income and disadvantaged communities




Addressing Air Pollution

Improving Public Health

Gain public health benefits through reduction of criteria and toxic air pollutants and greenhouse gases





Addressing Air Pollution

Empowering State & Local Partners





Clean Ports

\$3 Billion

Climate Pollution Reduction Grants

\$5 Billion

Clean Heavy-Duty Vehicles

\$1 Billion





Clean Ports

\$3 Billion | To fund zero-emission port equipment and infrastructure as well as climate and air quality planning at U.S. ports





Builds on EPA's Ports Initiative
efforts to address diesel
pollution at ports

Tools and assistance to
accelerate adoption of:

- Cleaner technologies
- Clean air planning practices





Clean Ports Program Goals

Build a foundation for the port sector to transition over time to **fully zero-emissions (ZE) operations**

Reduce diesel pollution

Help ensure that **meaningful community engagement** and emissions reduction planning are port industry standard practices in near-port communities.



Inflation Reduction Act Clean Ports Program Funding Overview



\$3 Billion

~ **\$2.8 Billion**

Zero-Emission Technology Deployment—
Equipment & Infrastructure Grants

~ **\$150 Million**

Climate and Air Quality Planning Grants

- At least 25% (\$750M) to be spent in nonattainment areas
- Open now—May 28




Applicant Eligibility

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

Note: All projects must serve a water port or dry port



A photograph of a port terminal. In the foreground, a red forklift is positioned on a paved area. To its right, a white truck is parked. Further right, a blue shipping container is mounted on a train car. In the background, there are stacks of various colored shipping containers (red, green, blue, yellow) under a clear blue sky with some clouds. The text "Provisions to Ensure Geographic & Port Type Diversity" is overlaid in the center of the image.

Provisions to Ensure Geographic & Port Type Diversity

Clean Ports Program: Port Definitions

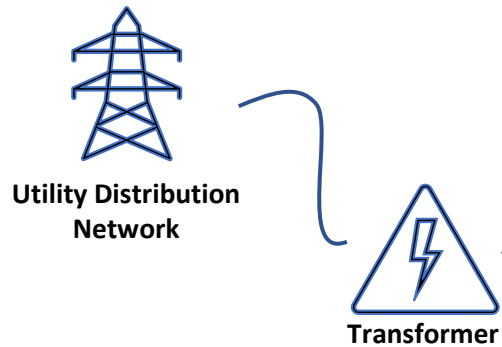
Water port: places on land alongside navigable water (e.g., oceans, rivers, or lakes) with one or more facilities in close proximity for the loading and unloading of passengers or cargo from ships, ferries, and other commercial vessels. This includes facilities that support non-commercial Tribal fishing operations.

Dry port: an intermodal truck-rail facility that is included in the 2024 Federal Highway Administration's (FHWA) Intermodal Connector Database based on meeting the criteria set in 23 CFR 470. These criteria include having more than 50,000 20-foot equivalent units per year or 100 trucks per day, or comprising more than 20 percent of freight volumes handled by any mode within a State.



ZE Technology Deployment Competition: Eligible Infrastructure Expenses

Ineligible Expenses

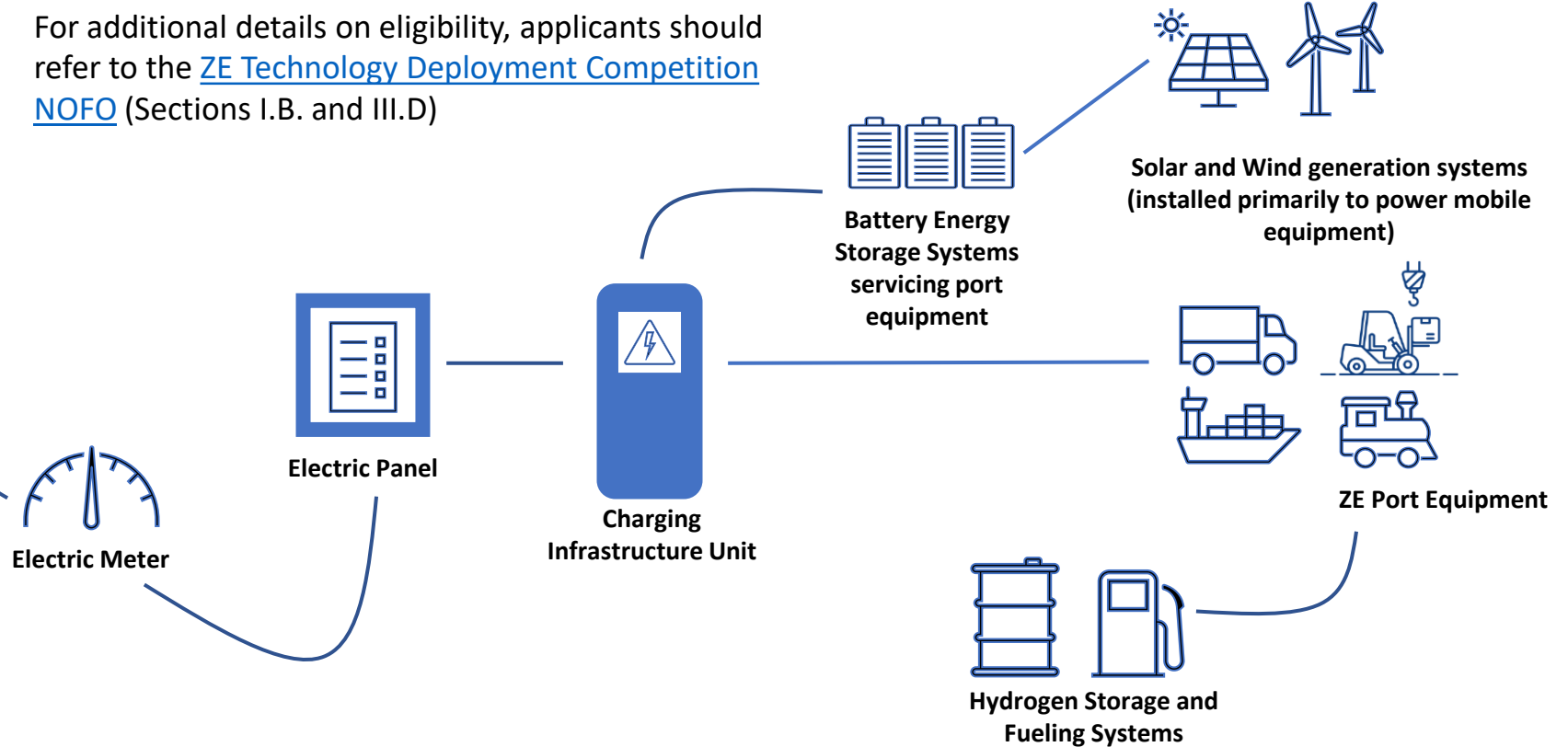


- Eligible infrastructure expenses are limited to electric meters and equipment behind the meter; transformer and electric meter expenses may be considered eligible if they are on the customer's side
- Costs for minor grid upgrades in front of the meter (utility side) may be considered if the work is necessary to connect an eligible charging station to the electric distribution network

Front-of-the-Meter (FTM) - Utility side

Eligible Expenses

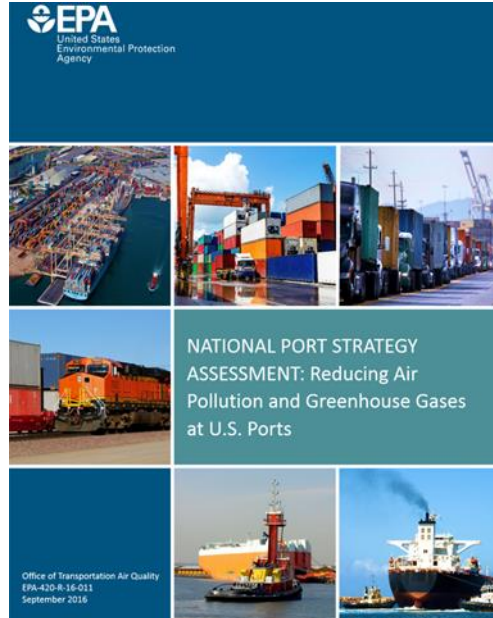
For additional details on eligibility, applicants should refer to the [ZE Technology Deployment Competition NOFO](#) (Sections I.B. and III.D)



- Infrastructure must serve eligible port equipment purchases as part of the grant, except for vessel shore power
- Applicants are encouraged to use no more than 50% of funds for infrastructure (not including shore power costs), ZE technology support activities and project administration related expenses

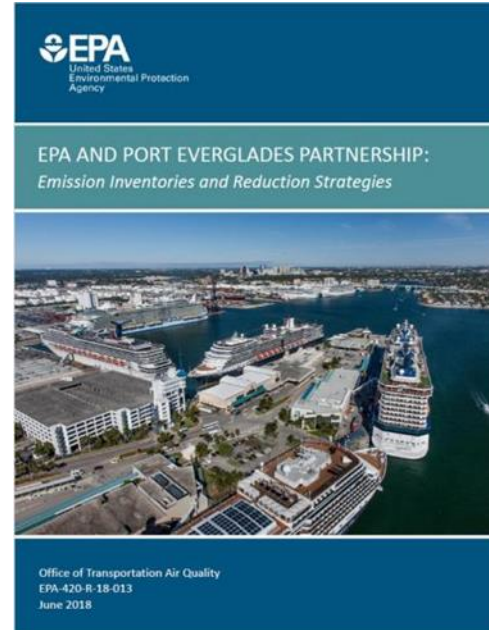
Behind-the-Meter (BTM) - Customer side

Tools to Help Identify Smart Infrastructure Investments



National Port Strategy Assessment: Reducing Air Pollution and Greenhouse Gases at U.S. Ports
September 2016

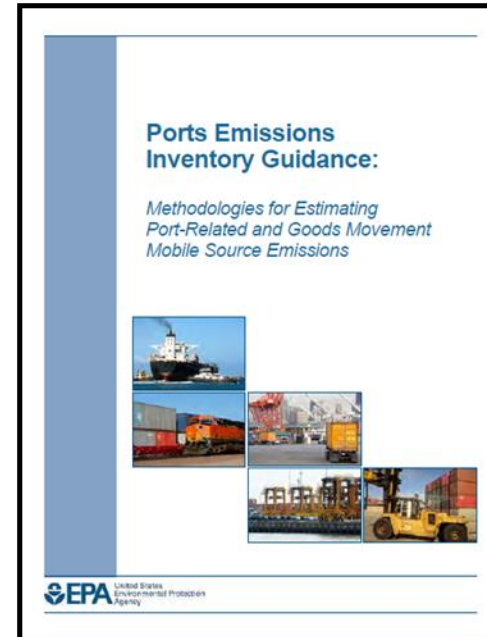
www.epa.gov/ports-initiative/national-port-strategy-assessment-reducing-air-pollution-and-greenhouse-gases-us



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,
April 2022

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



Shorepower report characterizes the technical and operational aspects of shore power systems, December 2022

<https://www.epa.gov/ports-initiative/shore-power-technology-assessment-us-ports>



ZE Technology Deployment Competition: Build America, Buy America (BABA) Act

BABA Waiver Proposed

21-day public comment period closed on April 15

- Waive the 55% domestic content requirement for zero emissions mobile port equipment
- A supplemental de minimis waiver, waiving all aspects of BABA compliance for ten percent of material costs attributable to zero emissions mobile port equipment, that may be used for recipients of the Clean Ports Program only on zero emissions mobile port equipment.

www.epa.gov/cwsrf/build-america-buy-america-baba-waivers-open-public-comment



Clean Ports: Keep in touch

Website & Newsletter sign-up

www.epa.gov/ports-initiative/cleanports

Questions

cleanports@epa.gov

Deadline for submitting questions about the Clean Ports Program funding opportunities: **May 6th, 2024**





Climate Pollution Reduction Grants

\$5 Billion | To develop and implement ambitious plans to reduce greenhouse gas emissions and other harmful air pollution and benefit low-income and disadvantaged communities





CLIMATE POLLUTION REDUCTION GRANTS

U.S. Environmental Protection Agency

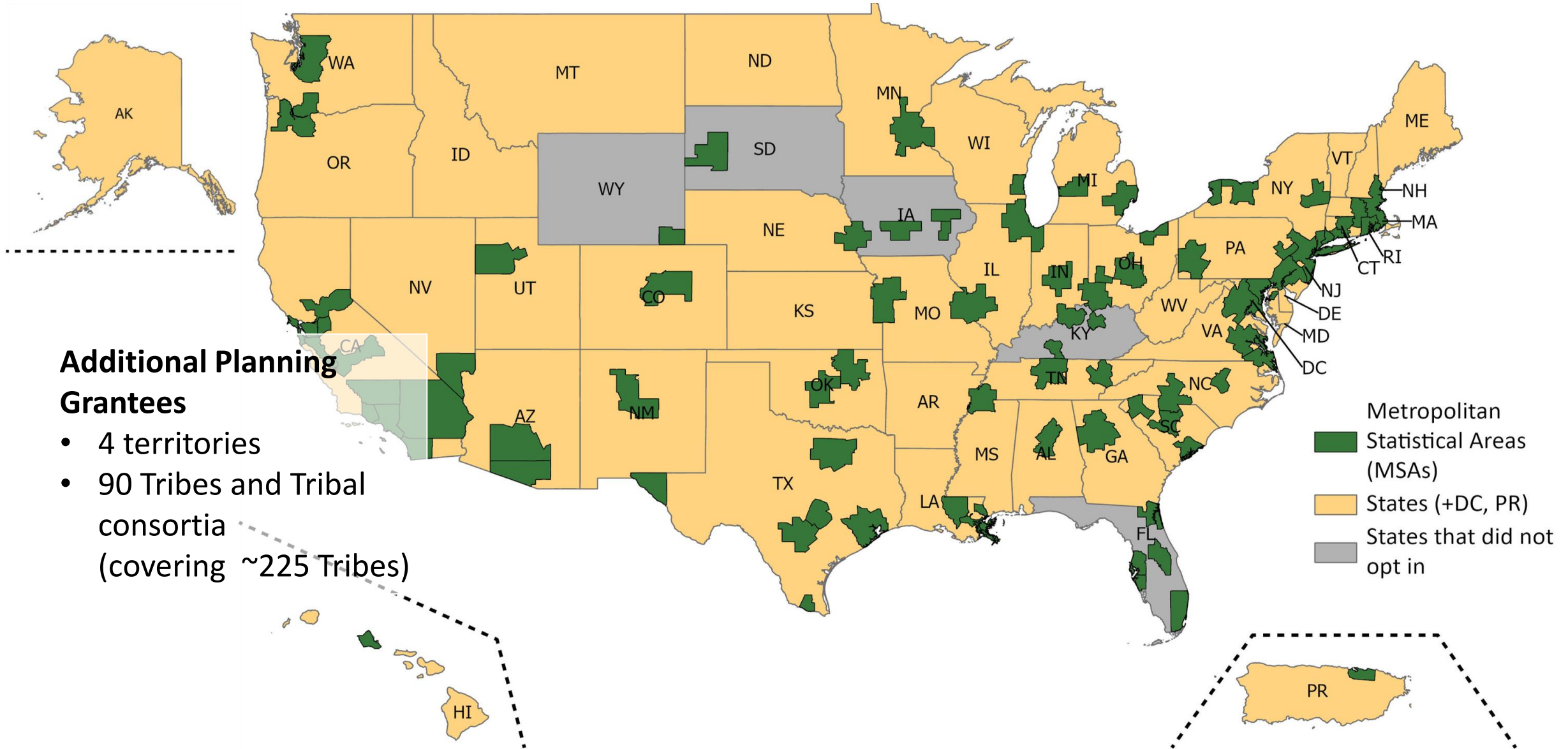
Planning Grants | \$250 million

To develop strong climate pollution reduction strategies

Competitive Implementation Grants | \$4.6 billion

To help put plans into action

CPRG Planning Grantees



Climate Planning: In all States and Territories

96% of US Population covered by Climate Action Plans

Priority Climate Action Plans

Climate strategies using a common framework

- 45 states plus DC & Puerto Rico
- 82 Metropolitan Statistical Areas
- Over 200 Tribes represented through Tribal consortia
- 4 Territories



Greenhouse Gas reduction activities across the economy



Electric Power



Residential & Commercial Buildings



Transportation



Waste and Materials Management



Industry



Agriculture/ Natural & Working Lands

PCAP External Review

Diversity of proposals across sectors

Most popular - Transportation

Everyone's doing it - Buildings

Eagerness to create economic benefit

Incentives vs. regulations

Meaningful stakeholder engagement



**CLIMATE
POLLUTION
REDUCTION
GRANTS**

U.S. Environmental Protection Agency



Local solutions for local priorities.



CPRG Technical Assistance

- Technical Assistance Forums
- Web resources
- Get involved!



Implementation Grant Applications: General Competition

General Competition

Requests exceeded
\$30 Billion

Selections expected in July
with awards in the fall





CLIMATE POLLUTION REDUCTION GRANTS

U.S. Environmental Protection Agency



Website & Newsletter sign-up

www.epa.gov/inflation-reduction-act/climate-pollution-reduction-grants

Questions

cprg@epa.gov



Clean Heavy-Duty Vehicles

\$ 1 Billion |

Invests \$1 billion to replace existing heavy-duty vehicles with zero-emission heavy-duty vehicles, support zero-emission vehicle infrastructure, and train and develop workers.



Program Design & Eligible Vehicles

- School Bus Sub-Program
- Vocational Vehicles Sub-Program

Replace existing heavy-duty **Class 6 & 7** vehicles with **clean, zero-emission vehicles**—such as **school buses, delivery trucks, and refuse trucks**



Protects Health

Cleaning up pollution from heavy-duty vehicles **helps protect the health of 72 million people living near truck freight routes in America.**



Eligible Applicants

States

Municipalities—including school districts

Indian Tribes

Nonprofit school transportation associations





Invests in Nonattainment Areas

Minimum \$400 million directed toward communities in areas that don't meet health-based air quality standards



Eligible Activities



Incremental cost of replacing a non-zero-emission Class 6/7 heavy-duty vehicle with a Class 6/7 zero-emission vehicle.

Purchase and installation of fueling infrastructure

Driver/mechanic training

Costs directly related to the **implementation, management, and oversight** of the project





Clean Heavy-Duty Vehicle Application Due Date

July 25, 2024 11:59 p.m. ET



Clean Heavy-Duty Vehicles: Keep in Touch

Website & Newsletter sign-up

www.epa.gov/clean-heavy-duty-vehicles-program/clean-heavy-duty-vehicles-grant-program

Questions

cleanhdvehicles@epa.gov.

The deadline to submit questions that EPA will work to respond to prior to the application deadline is July 8, 2024





Questions?

