



Clean Air Act Advisory Committee Inflation Reduction Act Implementation Update

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Office of Air & Radiation

June 25, 2024



Addressing Air Pollution

Improving Public Health

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



Addressing Air Pollution


Supporting Local Economies

Cultivate workforce for new industries

Spur economic growth

Support low-income and disadvantaged communities





Addressing Air Pollution

Empowering Partners





Methane Emissions Reduction Program

\$1.36 billion | Financial and technical assistance to monitor, measure, quantify, and reduce methane emissions from the oil and gas sector



MERP Financial Assistance

Competitive Funding | \$850 Million

To help oil and natural gas sector operators reduce wasteful methane emissions and adopt innovative emissions reduction technologies, while also supporting partnerships to detect and quantify emissions and provide accurate, transparent data to impacted communities.

State Formula Grants | \$350 Million

To cut methane from low-producing, marginal conventional wells.



Competitive Funding: Areas of Interest

AOI 1 Methane Emissions Reduction from Existing Wells and Infrastructure \$560M | 3 awards expected

Three primary recipients, with sub-awardees, to reduce methane emissions from existing wells and infrastructure through retrofits and repairs

- **AOI1a:** Low-producing (marginal) conventional wells.
- **AOI1b:** Low-producing (marginal and up to 40 BOED) wells owned by **small operators**.
- **AOI1c:** Wells located on **Tribal lands**

AOI 2 Accelerating Deployment of Methane Emissions Reduction Solutions \$150M | Up to 26 Awards

Deployment of near-commercial technologies that address hard-to-mitigate sources of emissions

- **AOI2a:** Engines and compressors
- **AOI2b:** Flares
- **AOI2c:** Liquids unloading, produced water, and equipment leaks

AOI 3 Accelerating Deployment of Methane Emissions Monitoring Solutions \$140M | 9 awards expected

Deployment of methane monitoring solutions at the local and regional scale

- **AOI3a (up to 4 awards):** Deploying monitoring equipment at industry sites **in or near disadvantaged communities** with data transparency.
- **AOI3b (up to 5 awards):** Up to five **regional methane characterization consortia** to quantify methane emissions across all scales

For specific program details, please refer to the Funding Opportunity Announcement

Eligible Applicants

Any domestic entity except National Energy Technology Laboratory (NETL)

Examples include:

- **Institutions of higher education**
- **For-profit** entities
- **Nonprofit** entities
- **State and local governmental** entities
- **Indian Tribes**, as defined in section 4 of the Indian Self-Determination and Education Assistance Act, 25 U.S.C. § 5304.



The background of the image is a blurred photograph of a desk calendar. The calendar shows the months of March and November. The text is overlaid on a white horizontal band across the center of the image.

Methane Emissions Reduction Program Application Due Date

August 26, 2024 5:00 p.m. ET



Methane Emissions Reduction Program

Key information

Website

www.epa.gov/inflation-reduction-act/financial-and-technical-assistance-methane-emissions-reduction-program#funding

Questions

Please refer to page 138 of the Funding Opportunity Announcement





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



The background of the image is a blurred photograph of a desk calendar. The calendar shows several months, including March, May, and November. The text is overlaid on a white horizontal band that spans the width of the image.

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

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

Questions

cleanhdvehicles@epa.gov.

July 8: Deadline to submit questions that EPA will work to respond to prior to the application deadline





Clean Ports Program

\$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





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

- ~ **\$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



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

Please note:

- All projects must serve a water port or dry port
- Competition closed May 28, 2024. Anticipated notification of selection in September 2024



Clean Ports: Keep in touch

Website & Newsletter sign-up

www.epa.gov/ports-initiative/cleanports

Questions

cleanports@epa.gov





Hydrofluorocarbon Reclaim and Innovative Destruction Grants

\$15 Million | Funding to develop projects for HFC reclamation and innovative destruction technologies



Support and contribute to the
**reduction of climate-damaging
HFCs**

Helpful tool for the phasedown
of HFCs

Project areas

Reclaim Market Dynamics

Innovative Destruction Technologies

Catalyze larger market changes



Selected Grantees Announced May 28, 2024



Seattle, WA

University of Washington

College Station, TX

Texas A&M University

Philadelphia, PA

Drexel University

Riverside, California

University of California – Riverside

Arlington, Virginia

Air Conditioning, Heating and Refrigeration Technology Institute



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

Climate Planning: Across the Country

>96% of US Population covered by Climate Action Plans

Priority Climate Action Plans

Emissions reduction plans have been developed by:

- 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



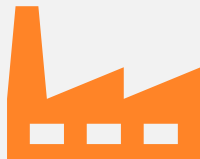
Residential & Commercial Buildings



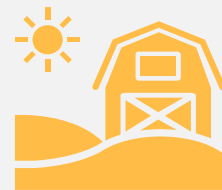
Transportation



Waste and Materials Management



Industry



Agriculture/ Natural & Working Lands



Local solutions for local priorities.



CPRG Technical Assistance

- Technical Assistance Forums
- Web resources
- Planning Grantee workshop
Minneapolis, MN



Implementation Grant Applications



\$4.3 Billion General Competition

Requests exceeded \$30 Billion

Selections expected in July

\$300 Million Tribes & Territories

Requests exceeded \$1 Billion

Selections expected in September





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



Preventing Air Pollution at Schools

\$32 Million | To help develop and implement air quality management plans to improve indoor air quality and energy efficiency at schools



Eligible projects to benefit schools

Indoor air quality and
greenhouse gas
reduction **capacity
building**

Training and education
campaigns

Research and
demonstration projects



Preventing Air Pollution at Schools

Grantee selections will be announced Summer/Fall 2024

epa.gov/iaq-schools/grant-funding-address-indoor-air-pollution-schools





Building Environmental and
Climate Justice through Engagement

U.S. ENVIRONMENTAL PROTECTION AGENCY

epa.gov/community-equity-resiliency

Inflation Reduction Act* Community Engagement

EPA's Office of Air and Radiation (OAR) and Office of Environmental Justice & External Civil Rights (OEJECR) are collaborating to **help communities, especially those that are low-income and disadvantaged, navigate once-in-a lifetime funding and technical assistance resources** available to confront the climate crisis and reduce pollution.

*Also includes other *Investing in America* funding opportunities

Resources to Help Communities

Resources to Help Communities

The Inflation Reduction Act and other new [Investing in America](#) funding opportunities provide once-in-a-lifetime financing and resources to help communities, especially those that are low-income and disadvantaged, confront the climate crisis and reduce pollution.



Historic Funding Opportunities

The Community, Equity & Resiliency initiative highlights significant funding opportunities and technical assistance programs to help communities confront environmental pollution and climate change challenges and create positive change in their communities.

[Learn about Historic Funding Opportunities](#)



Technical Assistance Hub

EPA's Inflation Reduction Act funded technical assistance programs are helping to build a healthier and brighter future for people and the planet. These programs create capacity, and make sure communities on the frontline are equipped to navigate these historic resources.

[Learn about Technical Assistance](#)



Data Tools Driving Environmental & Climate Justice

Discover how new tools help EPA leverage the power of information and data to advance environmental and climate justice.

[Learn about Data Tools for Climate Justice](#)

EPA Clean Ports Program
EPA is funding zero-emission (ZE) port equipment and infrastructure to reduce greenhouse gases and air pollutants at our nation's ports, delivering cleaner air for communities across the country.

SUPPORT ACTIVITY ACCOUNTS FEE

- 31 Million jobs*
- 26% of the U.S. economy*

Ports serve as vital gateways for the movement of goods and passengers across the country.

Support for ZE port equipment can lead to reduced health burdens for workers.

EPA Environmental and Climate Justice Community Change Grants Program
Through the Inflation Reduction Act, EPA will invest about \$2 billion for environmental and climate justice activities benefiting communities most impacted by climate change, legacy pollution and historical disinvestments.

The Community Change Grants are designed to:

- Engage disadvantaged communities in government processes.
- Invest in place- and community-based initiatives.
- Reduce pollution with community-led pollution monitoring, prevention and remediation.
- Increase climate resilience and community capacity to respond to environmental and climate justice challenges.

Community Change Technical Assistance Program
Through the Inflation Reduction Act, EPA's \$200 million technical assistance program will help eligible entities apply for and manage Community Change Grants.

For more information on this EPA Inflation Reduction Act program, please visit [Community Change Grants Program](#) | US EPA

EPA Environmental Justice Thiving Communities Technical Assistance Centers (TCTACs)
In partnership with the U.S. Department of Energy, EPA's TCTAC program is a network of technical assistance centers designed to remove barriers and improve accessibility to environmental and energy justice grant opportunities for communities that are underserved and overburdened.

EPA Clean School Bus Program
This program provides \$5 billion to replace the nation's existing school buses with clean and zero-emission (ZE) models — delivering cleaner air for communities across the country.

School buses transport 23 million American children over 4 billion miles each year.

Many school buses release pollutants from diesel exhaust. These pollutants from older buses can negatively impact air quality and human health, especially for children.

PROGRAM BENEFITS

- Improve student attendance and academic achievements
- Reduce greenhouse gas emissions (GHG)
- Prevent the reduced maintenance and funding cuts
- Create an additional source of energy by feeding power back into the grid
- Decrease exposure to air pollution

For more information, please visit [Clean School Bus Program](#) | US EPA

epa.gov/community-equity-resiliency/resources-help-communities



Regional Roadshows



The U.S. Environmental Protection Agency (EPA) is hosting in-person, community-based events across the country as a part of its groundbreaking **Community, Equity & Resiliency** initiative.



COMMUNITY

Develop new or deeper community-based partnerships



EQUITY

Learn about historic funding and technical assistance for disinvested communities



RESILIENCY

Confront the climate crisis and advance Environmental Justice locally



Milwaukee, WI*



Kansas City, MO



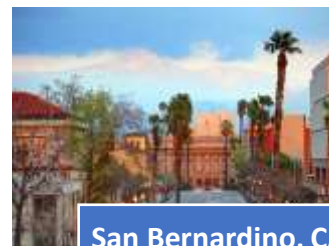
Denver, CO



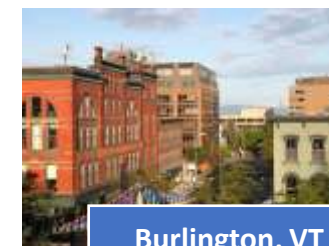
Phoenix, AZ



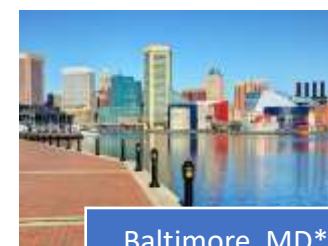
Anchorage, AK*



San Bernardino, CA



Burlington, VT



Baltimore, MD*



Albany, NY



Florence, SC

**Upcoming*





Questions?

