

CLIMATE
INITIATIVES
TASK
FORCE



FEDERAL CLIMATE KEY PROVISIONS: NOVEMBER 2022 FACT SHEETS



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CLEAN ENERGY TRANSITION - GRID IMPROVEMENTS

Infrastructure Investment and Jobs Act (IIJA)

1. Grid Resilience Innovation Partnership (GRIP) Program

FUNDING

\$10.5B / five years

- (A) Grid Resilience Grants \$918M (B) Smart Grid Grants \$1.14B (C) Grid Innovation Program \$1.92B

FUNDING METHOD

(A/B/C) Competitive Grants

APPLICANTS

(A) Electric grid operators, electricity generators and storage operators / transmission owners or operators / distribution providers / fuel suppliers – teams encouraged

(B) Higher education institutions / for-profit entities / non-profit entities / state and local governments / Tribes

(C) State and local government / 2+ states / Tribes / utility commission – teams encouraged

DESCRIPTION

Prevent outages and enhance resilience of the electric grid, deploy technologies to enhance grid flexibility, and demonstrate innovative approaches to power sector infrastructure resilience and reliability

ELIGIBLE USES

(A) Hardening measures (B) Increased transmission capacity and grid resilience (C) Transmission interconnection

2. Energy Improvements in Rural and Remote Areas

FUNDING

\$1B / five years

FUNDING METHOD

Cooperative Agreement

APPLICANTS

Industry partners / utilities / national laboratories / universities / state and local government / community-based organizations / Tribes / environmental groups

DESCRIPTION

Provide financial assistance to improve the resilience, safety, reliability, and availability of energy for rural and remote areas; and environmental protection from adverse impacts of energy generation

ELIGIBLE USES

Siting or upgrading transmission and distribution lines, developing microgrids, and increasing energy efficiency

3. Transmission Facilitation Program

FUNDING

\$2.5B / five years

FUNDING METHOD

Loan / Direct Financing / Capacity Purchase

APPLICANTS

Transmission Developers

DESCRIPTION

To facilitate construction of electric power transmission lines and related facilities to enable greater clean energy growth and provide low-cost clean energy to Americans

ELIGIBLE USES

Enter capacity contracts or issue a loan for the costs of carrying out a project; or participate in an element of project deployment

CLEAN ENERGY TRANSITION - GRID IMPROVEMENTS

Inflation Reduction Act (IRA)

4. Siting of Interstate Electricity Transmission

FUNDING

\$760M / through FY29

FUNDING METHOD

Competitive Grants

APPLICANTS

Siting authority (state, local, or tribal with authority to make final determination regarding siting, permitting, or regulatory status of transmission) / other state, local, or Tribal government entity

DESCRIPTION

Grants to support 'covered transmission projects' of high-voltage interstate or offshore electricity transmission line that is proposed to be constructed and to operate and for which such entity has applied or informed siting authority of intent to apply for regulatory approval

ELIGIBLE USES

Studies and analyses of impacts, participating in regulatory proceedings or negotiations, or examination of alternate siting for the covered transmission project

5. Rural Energy for America

FUNDING

\$1B / through FY31

FUNDING METHOD

Competitive Grants / Guaranteed Loans

APPLICANTS

Electric cooperatives

DESCRIPTION

Provide underutilized renewable energy technologies to rural communities and technical assistance for applying to the program

ELIGIBLE USES

Deploy hydrogen and fuel cell technologies noted in Sec 9007 of the Farm Security and Rural Investment Act of 2002

6. USDA Assistance for Rural Electric Cooperatives

FUNDING

\$9.7B / through FY31

FUNDING METHOD

Competitive Grants / Loans

APPLICANTS

Rural electric cooperatives

DESCRIPTION

Long-term resilience, reliability, and affordability of rural electric systems, for zero-emission systems, or for carbon capture and storage systems for electric co-ops

ELIGIBLE USES

Purchase of renewable energy systems, zero-emissions systems, and carbon capture and storage systems or make energy efficiency improvements to electric generation and transmission systems

CLEAN ENERGY TRANSITION - POWER GENERATION

Infrastructure Investment and Jobs Act (IIJA)

1. Energy Storage Demonstration Pilot Grant Program

FUNDING

\$355M / five years

FUNDING METHOD

Grant or Cooperative Agreement

APPLICANTS

Tech developers / industry / state and local governments / Tribes / community-based organizations / national laboratories / universities / utilities

DESCRIPTION

Enter into agreements to carry out energy storage projects

ELIGIBLE USES

Improve security of critical infrastructure and improve reliability of transmission and distribution

2. Long Duration Energy Storage Demonstration Initiative and Joint Program

FUNDING

\$150M / five years

FUNDING METHOD

Grant / Cooperative Agreement

APPLICANTS

Tech developers / industry / state and local government / Tribes / community-based organizations / national laboratories / universities / utilities

DESCRIPTION

Establish a demonstration initiative composed of demonstration projects focused on the development of long-duration energy storage technology

ELIGIBLE USES

Demonstrate promising long-duration energy storage at different scales; or help new, innovative long-duration energy storage become commercially viable

3. Wind Energy Technology Program

FUNDING

\$60M / five years

FUNDING METHOD

Cooperative Agreement

APPLICANTS

Institution of Higher Ed / national laboratories / federal or state research agency / Tribes / non-profit research organization / industrial entity / consortium of 2+ listed

DESCRIPTION

To fund research, development, demonstration, and commercialization activities to improve wind energy technologies

ELIGIBLE USES

Providing small business vouchers, funding education and outreach activities, conducting analysis, establishing demonstration facilities or projects

CLEAN ENERGY TRANSITION - POWER GENERATION

Infrastructure Investment and Jobs Act (IIJA)

4. Wind Energy Tech Recycling Research and Development

FUNDING

\$40M / until expended

FUNDING METHOD

Cooperative Agreement

APPLICANTS

Institution of Higher Ed / National Lab / Federal or State Research Agency / Tribes / nonprofit research organization / industrial entity / consortium of 2+ listed

DESCRIPTION

Award financial assistance to eligible entities for research, development, and demonstration, and commercialization projects for innovative and practical approaches to increase reuse and recycling of wind energy tech

ELIGIBLE USES

Minimize potential environmental impacts from recovery and disposal, and advance tech for disassembly and recycling of wind energy devices

**See "Inclusive, Low-Carbon Economy" for IRA incentives*

INDUSTRIAL DECARBONIZATION

Infrastructure Investment and Jobs Act (IIJA)

1. Clean Hydrogen Hub (In Development)

FUNDING

\$8B / deploy eight-twelve years

FUNDING METHOD

Competitive Grants

APPLICANTS

Tech developers / industry / utilities / universities / national laboratories / engineering and construction firms / state and local government / Tribes / community-based organizations / environmental groups

DESCRIPTION

To support development of at least 4 regional clean hydrogen hubs to improve clean hydrogen production, processing, delivery storage, and end use. DOE has defined four phases of hub development from concept paper development to construction

ELIGIBLE USES

Projects that demonstrate production, processing, delivery, storage, and end-use of clean hydrogen through regional clean hydrogen hubs

2. Direct Air Capture Hubs

FUNDING

\$3.5B / deploy five years

FUNDING METHOD

Competitive Grant / Cooperative Agreement

APPLICANTS

Tech developers / industry / utilities / universities / national laboratories / engineering and construction firms / state and local government / Tribes / environmental groups / community-based organizations

DESCRIPTION

Establish a program under which the Secretary shall provide funding for eligible projects that contribute to development of four regional direct air capture hubs

ELIGIBLE USES

Facilitate deployment of direct air capture projects that demonstrates capacity to capture and sequester, utilize, or sequester at least 1M MT of CO₂ from the atmosphere annually from a single unit or multiple interconnected units

3. Carbon Storage Testing

FUNDING

\$2.25B / deploy two-and-a-half years

FUNDING METHOD

Competitive Grants

APPLICANTS

Institutions of higher education / for-profit and non-profit organizations / state and local government / Tribes

DESCRIPTION

Develop new and expand large-scale, commercial carbon storage projects with capacities to store 50+ MMTCO₂, along with CO₂ transport infrastructure. Detail site characterization, permitting, and construction stages of project development under CarbonSAFE

ELIGIBLE USES

Site Characterization and Permitting; NEPA, FEED Studies, and Storage Field Development Plan Only; or Construction

INDUSTRIAL DECARBONIZATION

4. Carbon Capture Demonstrations Projects Program and FEED Transport Program

FUNDING

\$2.54B / through FY25

FUNDING METHOD

Competitive Grant

APPLICANTS

Institutions of higher education / for-profit and non-profit organizations / state and local government / Tribes

DESCRIPTION

Develop six integrated carbon capture, transport, and storage demonstration projects that can be easily replicated and deployed at fossil energy power plans and major industrial sources of CO₂ (cement, pulp, paper iron, steel, certain types of chemicals)

ELIGIBLE USES

Funding for commercial-scale carbon capture tech demonstration of projects that are designed to capture CO₂ from coal electric generation facility, from natural gas electric generation facility, or from an industrial facility

5. Industrial Emission Demonstration Projects

FUNDING

\$500M / until expended

FUNDING METHOD

Grant / Cooperative Agreement

APPLICANTS

Technology developers / industry / manufacturing / universities / national laboratories / engineering and construction firms / state and local government / environmental groups / community-based organizations

DESCRIPTION

Establish demonstration projects that test and support technologies to reduce industrial emissions

ELIGIBLE USES

Achieve emission reduction in chemical production processes and required medium- and high-temperature heat generation

INDUSTRIAL DECARBONIZATION

Inflation Reduction Act (IRA)

6. Domestic Manufacturing Conversion Grants

FUNDING

\$2B / through FY31

FUNDING METHOD

Competitive Grants

APPLICANTS

Manufacturers

DESCRIPTION

Fund refurbishment or retooling of manufacturing facilities to encourage domestic production of clean vehicles

ELIGIBLE USES

Increase domestic production of efficient hybrid, plug-in electric hybrid, plug-in electric drive, and hydrogen fuel cell electric vehicles

7. Advanced Industrial Facilities Deployment Program

FUNDING

\$5.8B / until expended

FUNDING METHOD

Competitive Grant / Rebate / Direct Loan / Cooperative Agreement

APPLICANTS

'Eligible facility' is a domestic non-federal, non-power industrial or manufacturing facility engaged in energy intensive industrial processes (iron, steel, aluminum, cement, concrete, glass, pulp, paper, industrial ceramics, chemicals)

DESCRIPTION

Invest in decarbonization for intensive industrial processes

ELIGIBLE USES

Financial assistance to carry out purchase and installation, or implementation, of advanced industrial technology; or to retrofits, upgrades to, or operational improvements at an eligible facility

ACTIVELY MANAGED METHANE EMISSIONS

Infrastructure Investment and Jobs Act (IIJA)

1. Orphaned Well Site Plugging, Remediation, and Restoration (In Progress)

FUNDING

\$4.7B / five years

FUNDING METHOD

Formula Grants

APPLICANTS

States

DESCRIPTION

Clean up environmental and safety hazards, create good-paying jobs, catalyze economic growth, and shut down sources of harmful methane emissions

ELIGIBLE USES

Plugging, remediation, and reclamation of orphaned wells on state-owned or privately-owned lands; measures and track emissions of methane and other gases

Infrastructure Investment and Jobs Act (IIJA)

2. Funding to Address Air Pollution: Methane Monitoring

FUNDING

\$20M / through FY31

FUNDING METHOD

Grants

APPLICANTS

EPA

DESCRIPTION

Increase methane monitoring under the CAA

ELIGIBLE USES

Collect and make available results; develop improved methods and technology; make grants to air pollution control agencies and other institutions to conduct research; establish a network to monitor pollution

3. Methane Emissions Reduction Program: Waste Emission Charge

FUNDING

N/A

FUNDING METHOD

Fee on methane emissions

APPLICANTS

Applicable facility (offshore/onshore petroleum and natural gas production / onshore natural gas processing / natural gas storage / onshore transmission pipeline / etc.)

DESCRIPTION

Impose and collect a charge on methane emissions from facilities emitting more than 25,000 metrics tons of CO₂e GHG emitted per year

ELIGIBLE USES

Payment equal to number of metric tons of methane emissions multiplied by: \$900 in 2024; \$1200 in 2025; \$1500 for 2026 and each year after

ACTIVELY MANAGED METHANE EMISSIONS

4. Methane Emissions Reduction Program: Incentives for Methane Mitigation and Monitoring

FUNDING

\$850M / through FY28

FUNDING METHOD

Grants / Rebates / Contracts / Loans

APPLICANTS

Owners and operators of applicable facilities

DESCRIPTION

Support natural gas and petroleum systems to reduce methane and other GHGs alongside legacy pollution

ELIGIBLE USES

Support facilities in preparing and submitting GHG reports, implement methane emissions monitoring under the CAA, and provide technical assistance to mitigate legacy pollution and reduce methane from existing systems

5. Methane Emissions Reduction Program: Incentives for Methane Mitigation from Conventional Wells

FUNDING

\$700M / through FY28

FUNDING METHOD

Grants / Rebates / Contracts / Loans

APPLICANTS

Owners and operators of applicable facilities

DESCRIPTION

Provide technical and financial assistance to mitigate methane from wells

ELIGIBLE USES

Prepare greenhouse gas reports, to permanently shut and plug wells on non-federal lands; support environmental restoration; and deploy equipment that reduces methane

TRANSPORTATION

Infrastructure Investment and Jobs Act (IIJA)

1. National Electric Vehicle Infrastructure (NEVI) Formula Grants (In Progress)

FUNDING

\$5B / five years

FUNDING METHOD

Formula Grants

APPLICANTS

States

DESCRIPTION

Strategically deploy electric vehicle charging infrastructure and establish an interconnected network for reliability

ELIGIBLE USES

Acquisition and installation or proper operation and maintenance of EV charging infrastructure

2. National Electric Vehicle Infrastructure (NEVI) Community and Corridor Charging

FUNDING

(A) \$1.25B / 4 years (B) \$1.25B / 4 years

FUNDING METHOD

(A/B) Competitive Grants

APPLICANTS

(A/B) State or political subdivision / Metropolitan Planning Organization / local government / special purpose district or public authority with transit function/ Tribes / territory

DESCRIPTION

(A) Install EV charging and alternative fuel in locations publicly accessible; grants will be prioritized for rural areas, LMI neighborhoods, and communities with low private parking (B) Deploy electric vehicle charging and hydrogen/propane/natural gas fueling infrastructure along designated alternative fuel corridors and in communities

ELIGIBLE USES

(A/B) Acquisition and installation or operation assistance of publicly accessible electric vehicle charging or alternative fueling infrastructure

3. Promoting Resilient Operations for Transformative, Efficient, and Cost-Saving Transportation (PROTECT)

FUNDING

(A) \$7.3B / four years (B) \$1.4B / four years

FUNDING METHOD

(A) Formula (B) Competitive Grants

APPLICANTS

(A) States (B) State / MPO / local government / Tribes

DESCRIPTION

Support planning, resilience improvements, community resilience and evacuation routes, and at-risk coastal infrastructure

ELIGIBLE USES

Conduct resilience planning and increase resilience of surface transportation infrastructure from extreme weather, flooding, and sea level rise

TRANSPORTATION

Inflation Reduction Act (IRA)

4. Clean Heavy-Duty Vehicles

FUNDING

\$600M (+\$400M for non-attainment areas) / through FY31

FUNDING METHOD

Competitive Grants / Rebates

APPLICANTS

State / municipality / Tribes / nonprofit school transportation association

DESCRIPTION

(Replace emitting with zero-emission heavy duty vehicles

ELIGIBLE USES

Fund incremental costs of replacing eligible vehicles or purchasing, installing, operating, and maintaining infrastructure to charge, fuel, or maintain zero-emission vehicles

5. Air Pollution Reduction at Ports:

FUNDING

\$2.25B (+\$750M for non-attainment areas) / through FY27

FUNDING METHOD

Rebates / Competitive Grants

APPLICANTS

Port authority / state, regional, local, or tribal agency / air pollution control agency / private entity related to a port

DESCRIPTION

Deploy zero-emission equipment and technology at ports

ELIGIBLE USES

Plan, permit, purchase, or install zero-emission port equipment at use for one or more ports; develop climate action plans

DEVELOPMENT AND BUILT ENVIRONMENT

Infrastructure Investment and Jobs Act (IIJA)

1. Weatherization Assistance Program (In Progress)

FUNDING

\$3.5B / until expended

FUNDING METHOD

Formula Grants

APPLICANTS

States / Tribes

DESCRIPTION

Increase energy efficiency of dwellings owned or occupied by low-income persons, reduce total residential energy expenditures, and improve health and safety

ELIGIBLE USES

Grantees can receive formula allocations up to \$8009 per dwelling unit for heating and cooling, weather-stripping, furnace efficiency, boilers, air conditioners

2. Energy Efficiency and Conservation Block Program

FUNDING

\$550M / until expended

FUNDING METHOD

Formula Grants / Competitive Grants

APPLICANTS

States / Local Government / Tribes

DESCRIPTION

Implement strategies to reduce energy use, to reduce fossil fuel emissions, and to improve energy efficiency

ELIGIBLE USES

(1) Develop and implement an energy efficiency and conservation strategy (2) residential and commercial building energy audits (3) conserve energy used in transportation and facilities

3. Carbon Reduction Program (In Development)

FUNDING

\$6.7B / four years

FUNDING METHOD

Formula Grants

APPLICANTS

States

DESCRIPTION

Provide grants for states to reduce transportation emissions or the development of carbon reduction strategies

ELIGIBLE USES

Construction, planning, and design of trail facilities for non-motorized forms of transportation; congestion management technologies; and public transportation projects

DEVELOPMENT AND BUILT ENVIRONMENT

Inflation Reduction Act (IRA)

4. Home Energy Performance-Based, Whole-House Rebates (HOMES) / High-Efficiency Electric Home Rebate Program

FUNDING

(A) \$4.3B / through FY31 (B) \$4.275B (+\$225,000 for Tribes) / through FY31

FUNDING METHOD

(A/B) Formula Grants

APPLICANTS

(A/B) State energy offices

DESCRIPTION

(A) Provide rebates to homeowners and aggregators for whole-house energy savings retrofits (B) Develop and implement a high-efficiency electric home rebate program

ELIGIBLE USES

(A) Single-family homes receive up to \$4,000 and multi-family homes up to \$400,000 (B) Provide rebates for qualified electrified appliances with noted maximums

5. Assistance for Latest and Zero Building Energy Code Adoption

FUNDING

(A) \$330M / through FY29 (B) \$670M / through FY29

FUNDING METHOD

(A/B) Competitive Grants

APPLICANTS

(A/B) States / local government

DESCRIPTION

(A) Adopt latest building codes for residential and commercial buildings (B) Adopt zero energy provisions of the Energy Conservation Code

ELIGIBLE USES

(A) Adopt codes for residential (meet or exceed 2021 International Energy Conservation Code) and commercial (ANSI/ASHRAE/IES Standard) buildings (B) Adopt and implement codes for zero energy code provisions

6. Neighborhood Access and Equity Grant Program

FUNDING

(A) \$1.893B / through FY26 (B) \$1.262B / through FY26

FUNDING METHOD

(A/B) Competitive Grants

APPLICANTS

((A/B) States / units of local government / political subdivision / territory / public authority with transportation function / metropolitan planning organization

DESCRIPTION

((A) Improve transportation access across communities (B) Improve access across disadvantaged communities

ELIGIBLE USES

((A/B) Improve walkability, safety, and affordable transportation across communities; or plan and build capacity in disadvantaged or underserved communities

NATURAL WORKING LANDS / WETLANDS

Infrastructure Investment and Jobs Act (IIJA)

1. Tribal Climate Resilience

FUNDING

A) \$130M / until expended (B) \$86B / until expended

FUNDING METHOD

(A/B) Contract / Compact

APPLICANTS

(A/B) Tribes

DESCRIPTION

(A) Implement community relocation, managed retreat, or protect-in-place actions to increase climate resilience (B) Support climate resilience planning to sustain Tribal ecosystems

ELIGIBLE USES

(A) Assess, monitor, plan for, design, and implement activities regarding managed retreat, expansion, protect-in-place, and relocation options; (B) Training workshops, risk assessments, and monitoring for adaptation and coastal management planning

Inflation Reduction Act (IRA)

2. Farm Loan Immediate Relief for Borrowers with At-Risk Agriculture Operations

FUNDING

\$3.1B / through FY31

FUNDING METHOD

Competitive Grants / Direct or Guaranteed Loans

APPLICANTS

Qualified agricultural operators

DESCRIPTION

Provide relief to borrowers whose agricultural operations are at financial risk as expeditiously as possible

ELIGIBLE USES

N/A

3. Competitive Grants for Non-Federal Forest Landowners

FUNDING

\$2.2B / through FY31

FUNDING METHOD

Competitive Grants

APPLICANTS

Underserved forest landowners / states

DESCRIPTION

Carry out climate mitigation or forest resilience practices

ELIGIBLE USES

Support participation in emerging private markets, provide payments for forest landowners to implement forestry practices to sequester carbon

NATURAL WORKING LANDS / WETLANDS

4. State and Private Forestry Conservation

FUNDING

\$1.5B / through FY31

FUNDING METHOD

Competitive Grants

APPLICANTS

State agency / local government / nonprofit

DESCRIPTION

Acquire land and interests on land with natural carbon sequestration benefits

ELIGIBLE USES

Tree plantings and related activities for priority projects benefiting underserved communities

5. Investing in Coastal Communities and Climate Resilience

FUNDING

\$2.6B / through FY26

FUNDING METHOD

Direct expenditure / contracts / grants / cooperative agreements / technical assistance

APPLICANTS

Coastal states / Tribes / nonprofits / local government / institutions of higher education

DESCRIPTION

Prepare coastal communities and vulnerable habitats for changing climate conditions

ELIGIBLE USES

Conservation, restoration, and protection of coastal and marine habitats and resources while preparing communities for extreme weather

ACCOUNTBILITY AND ADAPTABILITY

Inflation Reduction Act (IRA)

1. Funding to Address Air Pollution: Fenceline Air Monitoring and Screening Air Monitors

FUNDING

\$117.5M / through FY31

FUNDING METHOD

Grants

APPLICANTS

EPA

DESCRIPTION

Better account for and track Fenceline pollution

ELIGIBLE USES

Deploy, integrate, support, and maintain Fenceline air monitoring, screening air monitoring, national air toxic trend stations, and other community monitoring

2. Funding to Address Air Pollution: Multipollutant Monitoring Stations

FUNDING

\$50M / through FY31

FUNDING METHOD

Grants

APPLICANTS

EPA

DESCRIPTION

Expand national ambient air quality monitoring network

ELIGIBLE USES

Build, replace, repair, operate, and maintain multipollutant monitoring stations

3. Funding to Address Air Pollution: Air Quality Sensors in Low-Income and Disadvantaged Communities

FUNDING

\$3M / through FY31

FUNDING METHOD

Grants

APPLICANTS

EPA

DESCRIPTION

Increase deployment of air quality monitoring sensors

ELIGIBLE USES

Deploy, integrate, and operate air quality sensors in low-income and disadvantaged communities

ACCOUNTABILITY AND ADAPTABILITY

4. Funding to Address Air Pollution: Schools

FUNDING

\$50M / through FY31

FUNDING METHOD

Grants

APPLICANTS

Pollution control agencies

DESCRIPTION

Monitor and reduce air pollution and greenhouse gas emissions at school in low-income and disadvantaged areas

ELIGIBLE USES

Develop and implement programs that prevent and control air pollution based on air quality plans

5. GHG Pollution Planning and Implementation Grants

FUNDING

(A) \$250M / through FY31 (B) \$4.75B / through FY31

FUNDING METHOD

(A/B) Grants

APPLICANTS

(A/B) State / air pollution control agency / municipality / Tribes / one more

DESCRIPTION

(A) Develop a plan for reducing GHG air pollution (B) and projects that reduce emissions

ELIGIBLE USES

(A) Plans should include programs, policies, measures, and projects to facilitate pollution reduction (B) Projects should note quantifiability, specificity, additionality, permanence, and verifiability of greenhouse gas reduction

6. Environmental and Climate Justice Block Grants and Technical Assistance

FUNDING

(A) \$2.8B / through FY26 (B) \$200M / through FY26

FUNDING METHOD

(A/B) Grants

APPLICANTS

(A/B) Partnership between Tribes / local government / institution of higher education / community-based nonprofit or organization / group of nonprofits

DESCRIPTION

(A/B) Grants for pollution monitoring and mitigation of climate risks in underserved communities

ELIGIBLE USES

(A) Grants for air pollution monitoring, prevent, and remediation; investment in zero-emission technology; mitigation of climate and health impacts (B) Technical assistance related to grants

INCLUSIVE, LOW-CARBON ECONOMY

Inflation Reduction Act (IRA)

1. Environmental Product Declaration Assistance

FUNDING

\$250M/ through FY31

FUNDING METHOD

Grants / Technical Assistance

APPLICANTS

Businesses that manufacture construction materials / states / Tribes

DESCRIPTION

Support tracking and reduction of greenhouse gases from materials (embodied carbon) through Environmental Product Declarations (EPDs)

ELIGIBLE USES

Support development and verifications of environmental product declarations as well as measuring reporting, and consistent reduction of embodied carbon

2. GHG Reduction Fund: Zero-Emission Technologies

FUNDING

\$7B / through FY26

FUNDING METHOD

Competitive Grants

APPLICANTS

States / municipalities / Tribes / non-profit organizations

DESCRIPTION

Enable low-income and disadvantaged communities to deploy zero-emission technologies

ELIGIBLE USES

Deploy zero-emissions technologies like distributed technologies on residential roofs alongside GHG reduction technologies

3. GHG Reduction Fund: General Assistance and Low-Income/Disadvantaged Communities

FUNDING

(A) \$11.97B (B) \$8B / through FY24

FUNDING METHOD

(A/B) Competitive Grants / Loans / Financial Assistance / Technical Assistance

APPLICANTS

A/B) Nonprofit organization that is designed to provide capital, does not take deposits other than from repayments, is funded by public or charitable contributions, and invests in or finances projects alone or with other investors (B) specific investments for low-income and disadvantaged communities

DESCRIPTION

(A/B) Invest in the deployment of zero-emissions technologies

ELIGIBLE USES

(A/B) Projects, activities, or technologies that reduce or avoid GHG emissions or air pollution; and assist communities to reduce or avoid GHGs

INCLUSIVE, LOW-CARBON ECONOMY

4. Consumer Tax Credits

A. RESIDENTIAL CLEAN ENERGY CREDIT (25D)

- Credit Amount: Up to 30% credit
- Qualifying Entities: All taxpayers claim for qualified energy efficiency improvements and property expenditures with an addition of battery storage technology
- Timeline: through 12/31/2034

B. CLEAN VEHICLE CREDIT (30D)

- Credit Amount: \$3750 for vehicles meeting critical mineral requirements and \$3750 for battery component requirements (both components equal \$7500)
- Qualifying Entities: Taxpayers purchasing a new qualified clean vehicle
- Timeline: 12/31/2032

C. CREDIT FOR PREVIOUSLY-OWNED CLEAN VEHICLES (25E)

- Credit Amount: Lesser of \$4000 or amount equal to 30% of the vehicle sale price
- Qualifying Entities: Taxpayers purchasing a previously-owned qualified clean vehicle
- Timeline: through 12/31/2032

5. Production Tax Credits

A. EXTENSION AND MODIFICATION OF CREDIT FOR ELECTRICITY PRODUCED FROM CERTAIN RENEWABLES (GEO, SOLAR, WIND, MARINE, HYDRO) (45D)

- Credit Amount: Base of 0.3 cents / kWh
- Qualifying Entities: Construction of facilities for wind, biomass, geothermal, solar, landfill gas, trash, qualified hydropower, and marine and hydrokinetic power
- Timeline: Begin construction before 01/01/2025

B. EXTENSION AND MODIFICATION OF CREDIT FOR CARBON OXIDE SEQUESTRATION (45Q)

- Credit Amount: Raise credit to \$85/metric ton for point source capture and \$180/metric ton for direct airB capture
- Qualifying Entities: Qualifying facilities capturing carbon for use, geologic storage, oil and gas storage, orB direct air capture at specified rates
- Timeline: Begin construction before 01/01/2033

C. ADVANCED MANUFACTURING PRODUCTION CREDIT (45X)

- Credit Amount: Thin film PV = \$0.04 x capacity
- Qualifying Entities: Domestic production and sale of component partners for solar and wind (ex: blades, windB turbines, PV cells, battery cells, etc.)
- Timeline: N/A

D. ADVANCED MANUFACTURING PRODUCTION CREDIT (45X)

- Credit Amount: KW hours of electricity produced in a taxable year multiplied by applicable amount (\$0.03)B
- Qualifying Entities: Facility domestically producing zero-emissions electricity
- Timeline: Facilities placed in service after 12/31/2024

E. CLEAN FUEL PRODUCTION TAX CREDIT (45Z)

- Credit Amount: Base of \$0.20 per gallon transportation fuel produced with alternative amounts for qualifiedB facilities up to \$1.00; sustainable aviation fuel
- Qualifying Entities: Sustainable aviation fuel, biodiesel renewable fuels, and alternative fuels are 'qualifyingB fuels' / Clean energy producers are 'qualified facilities'
- Timeline: January 1, 2025 – December 31, 2027

INCLUSIVE, LOW-CARBON ECONOMY

F. CLEAN HYDROGEN CREDIT FOR PRODUCTION (45V)

- Credit Amount: Up to \$3/kilogram based on life-cycle GHG rate of CO₂
- Qualifying Entities: Facility producing clean hydrogen with less than 4kgs of CO₂e per kg of hydrogen
- Timeline: Begin construction before 01/01/2023

G. ZERO-EMISSION NUCLEAR POWER PRODUCTION CREDIT (45U)

- Credit Amount: \$0.30 per kWh
 - Qualifying Entities: Taxpayer owned facilities that use nuclear power to generate zero-emission electricity
 - Timeline: through December 31, 2032
-

6. Investment Tax Credits:

A. EXTENSION AND MODIFICATION OF ENERGY CREDIT (48)

- Credit Amount: 6% total cost with potential for bonus credit up to 10% for domestic production, prevailingB wage, and apprenticeship requirements
- Qualifying Entities: Solar, fuel cells, waste energy recovery, combined heat, and power, small wind; addedB stand-alone storage, qualified biogas property, electrochromic glass, microgrid controllers
- Timeline: Begin construction before 01/01/2025

B. CLEAN ELECTRICITY INVESTMENT CREDIT (48D)

- Credit Amount: 30% base credit
- Qualifying Entities: Cost of energy property for qualifying zero-emissions electricity generation facilities orB storage technologies as well as costs for interconnection property
- Timeline: Begin construction before 12/31/2024 (eligible for 10% additional credit beginning in 2023)