



Major Shore, Housing, Aids to Navigation, Survey and Design

Federal Agency: Department of Homeland Security

Bureau or Account: United States Coast Guard

Funding amount: \$19,500,000

Period of availability: 5 year

Funding mechanism: Direct Federal/Contract

New program: No

Recipients: Coast Guard

Description: Supports Procurement, Construction, and Improvement (PC&I) projects to address shore facility infrastructure and housing construction, replacement, upgrade or improvement needs; construction and improvements to buoys and structures assisting navigation on Federal waterways; and survey and design required for future year PC&I projects.

Eligible uses: The following are a list of Coast Guard projects:

- Ketchikan Maintenance Support Facility - \$4 million for industrial facility improvements including 65-ton crane for Fast Response Cutter engine change-outs and Response Boat - Medium drydock services
- Station Port Angeles Covered Moorings - \$9.5 million to construct covered moorings to perform boat maintenance in Port Angeles, WA
- New London City Pier Improvements - \$6 million to support CGC EAGLE homeport shift from Fort Trumbull to New London, CT

Federal cost share requirement: No non-Federal cost share required

Statutory location: Division J, Title V



Safety

Challenge: The United States has one of the highest traffic fatality rates in the industrialized world, double the rate in Canada and quadruple that in Europe. Even as people drove less because of the pandemic, 38,824 people died in motor vehicle crashes in 2020, of which 6,516 were people walking and 938 were people biking. Additionally, safety concerns remain across modes, from the risk of vehicle/train collisions at railroad grade crossings to aging natural gas pipelines throughout the country.

Solutions: The Bipartisan Infrastructure Law includes nearly \$38 billion to improve the safety of the United States transportation system by helping States and territories support a broad array of traffic safety priorities, including the safety of drivers and vulnerable road users, safety at railroad crossings, and replacement or repair of obsolete natural gas pipelines.

Funding Overview: Funding allocated to safety is divided into several categories (1) Highway Safety Improvement Program (\$15.6 billion); (2) Safety-Related Activities (\$17.5 million); (3) Safe Streets and Roads for All (\$5 billion³); (4) Federal Motor Carrier Safety Administration and National Highway Traffic Safety Administration (\$11.8 billion); (5) Pipeline and Hazardous Materials Safety Administration (\$1.2 billion); and (6) Rail Crossing Safety (\$4.2 billion).

Bipartisan Infrastructure Law reauthorizes the Federal Highway Administration's **Highway Safety Improvement Program** and includes nearly \$4 billion over levels in the Fixing America's Surface Transportation Act.

Safe Streets and Roads for All is a new competitive discretionary grant program for local and Tribal "vision zero" plans and other improvements to reduce crashes and fatalities not only for drivers, but also for cyclists, pedestrians, and all other roadway users.

Bipartisan Infrastructure Law funding will provide a five-year reauthorization for the Federal Motor Carrier Safety Administration and the National Highway Traffic Safety Administration, which includes a plus up over Fixing America's Surface Transportation Act levels.

Pipeline and Hazardous Materials Safety Administration's funding includes a new **Pipeline Modernization Program** (\$1 billion) that provides competitive grant funding for a municipality or community owned utility to repair, rehabilitate, or replace its natural gas distribution pipeline systems to reduce incidents and fatalities and to avoid economic losses.

³ \$5 billion is provided through the Bipartisan Infrastructure Law in advanced appropriations, an additional \$1 billion is authorized under Division B of the Bipartisan Infrastructure Law for a total program level of \$6 billion.



Lastly, the Bipartisan Infrastructure Law includes funding for rail crossing safety through the **Rail-Highway Grade Crossing Formula Program** (\$1.2 billion) to reduce the number and severity of incidents to motorists, bicyclists, and pedestrians at grade crossings, and the **Railroad Crossing Elimination Program** (\$3 billion⁴) for competitive grants to eliminate rail crossings, where feasible.

Getting Ready:

The Bipartisan Infrastructure Law creates a number of new discretionary grant programs like Safe Streets and Roads for All and provides additional funding for existing programs. State, regional, local, and Tribal governments are encouraged to engage with the Department about upcoming opportunities, the requirements associated with them, and the timeframes when application opportunities will occur.

The Bipartisan Infrastructure Law also updates Federal aid formula program requirements and eligibilities, and States should expect updated guidance from Federal Highway Administration, Federal Motor Carrier Safety Administration, and National Highway Traffic Safety Administration in the coming months.

⁴ \$3 billion is provided through the Bipartisan Infrastructure Law in advanced appropriations and an additional \$2.5 billion is authorized under Division B of the Bipartisan Infrastructure Law for a total program level of \$5.5 billion.



Program Name	Agency Name	Funding Amount
Highway Safety Improvement Program	Department of Transportation	\$15,557,499,996
Safe Streets and Roads for All	Department of Transportation	\$5,000,000,000
Railroad Crossing Elimination Grants	Department of Transportation	\$3,000,000,000
Motor Carrier Safety Assistance Program	Department of Transportation	\$2,432,500,000
Highway Safety Programs	Department of Transportation	\$1,992,000,000
Motor Carrier Safety Operations and Programs	Department of Transportation	\$1,925,000,000
National Priority Safety Programs	Department of Transportation	\$1,874,500,000
Railway-Highway Crossings Program	Department of Transportation	\$1,225,000,000
Natural Gas Distribution Infrastructure Safety and Modernization Grants	Department of Transportation	\$1,000,000,000
Highway Safety Research & Development	Department of Transportation	\$970,000,000
Crash Data	Department of Transportation	\$750,000,000
Vehicle Safety and Behavioral Research	Department of Transportation	\$548,500,000
High Priority Activities Program	Department of Transportation	\$432,500,000
Wildlife Crossings Pilot Program	Department of Transportation	\$350,000,000
Commercial Driver's License Implementation Program	Department of Transportation	\$297,500,000
High-Visibility Enforcement	Department of Transportation	\$201,600,000
National Driver Register	Department of Transportation	\$36,000,000
Commercial Motor Vehicle Enforcement Training & Support Grant Program	Department of Transportation	\$25,000,000
TOTAL - SAFETY		\$37,617,599,996



Highway Safety Improvement Program

Federal Agency: Department of Transportation

Bureau or Account: Federal Highway Administration

Funding amount: \$15,557,499,996

Period of availability: 4 year

Funding mechanism: Grant

New program: No

Recipients: States (including District of Columbia)

Description: The Highway Safety Improvement Program provides States with critical safety funding that is used to save lives and prevent serious injuries on all public roads. The Highway Safety Improvement Program is based on a performance-driven process that identifies and analyzes highway safety problems and advances highway safety improvement projects that have the greatest potential to reduce fatalities and serious injuries.

Eligible uses: Safety projects on all public roads.

Federal cost share requirement: 90 percent Federal / 10 percent non-Federal. Waivers are available in some circumstances.

Statutory location: 11101; 11111



Safe Streets and Roads for All

Federal Agency: Department of Transportation

Bureau or Account: Office of the Secretary

Funding amount: \$5,000,000,000

Period of availability: Available until expended

Funding mechanism: Competitive Grant

New program: Yes

Recipients: A metropolitan planning organization, a political subdivision of a State, a Federally recognized Tribal government, and a multijurisdictional group of any of the aforementioned entities.

Description: The Office of the Secretary's Safe Streets and Roads for All Grant program provides supplemental funding to support local initiatives to prevent death and serious injury on roads and streets, commonly referred to as “Vision Zero” or “Toward Zero Deaths” initiatives.

Eligible uses: Development of a comprehensive safety action plan, conducting planning, design, and development activities for projects and strategies identified in a comprehensive safety action plan, and carrying out such projects and strategies.

Federal cost share requirement: 80 percent Federal / 20 percent non-Federal. Waivers are not available.

Statutory location: 24112



Railroad Crossing Elimination Grants

Federal Agency: Department of Transportation
Bureau or Account: Federal Railroad Administration

Funding amount: \$3,000,000,000

Period of availability: Available until expended

Funding mechanism: Competitive Grant

New program: Yes

Recipients: A State, including the District of Columbia, Puerto Rico, and other United States territories and possessions. A political subdivision of a State. Federally recognized Tribe. A unit of local government or a group of local governments. A public port authority. A metropolitan planning organization. A group of entities described above.

Description: To fund highway-rail or pathway-rail grade crossing improvement projects that focus on improving the safety and mobility of people and goods.

Eligible uses: Eligible projects include: (1) a grade separation or closure, including through the use of a bridge, embankment, tunnel, or combination thereof; (2) track relocation; (3) the improvement or installation of protective devices, signals, signs, or other measures to improve safety, provided that such activities are related to a separation or relocation project described previously; (4) other means to improve the safety and mobility of people and goods at highway-rail grade crossings (including technological solutions); and (5) a group of related projects described previously that would collectively improve the mobility of people and goods. The planning, environmental review, and design of projects previously described are also eligible.

Federal cost share requirement: 80 percent Federal / 20 percent non-Federal. Waivers are not available.

Statutory location: 22909



Motor Carrier Safety Assistance Program

Federal Agency: Department of Transportation

Bureau or Account: Federal Motor Carrier Safety Administration

Funding amount: \$2,432,500,000

Period of availability: Year of award + two years

Funding mechanism: Formula Grant

New program: No

Recipients: State Lead Motor Carrier Safety Assistance Program Agencies

Description: The Motor Carrier Safety Assistance Program is a Federal grant program that provides financial assistance to States to reduce the number and severity of crashes and hazardous materials incidents involving commercial motor vehicles. The goal of the Motor Carrier Safety Assistance Program is to reduce commercial motor vehicle-involved crashes, fatalities, and injuries through consistent, uniform, and effective commercial motor vehicle safety programs. The Motor Carrier Safety Assistance Program is Federal Motor Carrier Safety Administration's largest grant program that supports State and local law enforcement agencies to utilize over 12,000 enforcement officers to increase enforcement and safety activities nationwide.

Eligible uses: To carry out the State's Commercial Motor Vehicle Safety Plan.

Federal cost share requirement: Federal share is at least 85 percent statutorily, but 95 percent Federal/5 percent non-Federal for fiscal year 2022. Waivers are available.

Statutory location: 23001



Highway Safety Programs

Federal Agency: Department of Transportation

Bureau or Account: National Highway Traffic Safety Administration

Funding amount: \$1,992,000,000

Period of availability: 4 year

Funding mechanism: Formula Grant

New program: No

Recipients: States, the Secretary of Interior for the Tribes, the District of Columbia, Puerto Rico, American Samoa, Guam, Commonwealth of the Northern Mariana Islands, and the U.S. Virgin Islands.

Description: Section 402 funds are authorized by Congress and are available to the 50 States, the District of Columbia, Puerto Rico, the U. S. Territories and the Bureau of Indian Affairs. These funds are apportioned using statutory apportionment formula. These funds are provided to the State and Territorial Highway Safety Offices based on an approved highway safety plan that details problem identification, performance measures, countermeasures and projects using identified countermeasures to help reduce crashes, injuries and fatalities resulting from motor vehicle crashes.

Eligible uses: To be specified in the implementing regulation.

Federal cost share requirement: 80 percent Federal / 20 percent non-Federal (except for American Samoa, Guam, Northern Marianas, and the Virgin Islands = 100 percent Federal share). Waivers are available for Tribes.

Statutory location: 24101; 24102



Motor Carrier Safety Operations and Programs

Federal Agency: Department of Transportation

Bureau or Account: Federal Motor Carrier Safety Administration

Funding amount: \$1,925,000,000

Period of availability: Mixture of Available until expended, but annually appropriated, and 4-year funding

Funding mechanism: Administrative Expenses

New program: No

Recipients: N/A

Description: The Operations and Programs account provides the necessary resources to support program and administrative activities to include salaries and benefits for motor carrier safety personnel.

Eligible uses: Funding supports motor carrier safety and consumer enforcement, along with Federal safety enforcement at U.S. borders to ensure foreign-domiciled trucks entering the U.S. are in compliance with safety regulations. Resources are also provided to fund regulatory development and implementation, investment in research and technology with a focus on research regarding highly automated vehicles and related technology, and information technology and information management.

Federal cost share requirement: No non-Federal cost share required

Statutory location: 23001



National Priority Safety Programs

Federal Agency: Department of Transportation

Bureau or Account: National Highway Traffic Safety Administration

Funding amount: \$1,874,500,000

Period of availability: 4 year

Funding mechanism: Formula Grant

New program: No

Recipients: States, the District of Columbia, Puerto Rico, American Samoa, Guam, Commonwealth of the Northern Mariana Islands, and the U.S. Virgin Islands for most grants.

Description: To encourage States to address national priorities for reducing highway deaths and injuries through occupant protection programs, State traffic safety information system improvements, impaired driving countermeasures, passage of effective laws to reduce distracted driving, implementation of motorcyclist safety programs, and non-motorist safety programs. Two new grant programs were introduced to improve roadside safety and driver and officer safety grants.

Eligible uses: To be specified in the implementing regulation.

Federal cost share requirement: 80 percent Federal / 20 percent non-Federal. Waivers are not available.

Statutory location: 24101; 24102



Railway-Highway Crossings Program

Federal Agency: Department of Transportation

Bureau or Account: Federal Highway Administration

Funding amount: \$1,225,000,000

Period of availability: 4 year

Funding mechanism: Formula Grant

New program: No

Recipients: States (including District of Columbia)

Description: The Railway-Highway Crossings program supports projects with the goal of reducing the number of fatalities, injuries, and crashes at public railway-highway grade crossings.

Eligible uses: Railway-highway crossing projects

Federal cost share requirement: No non-Federal cost share required

Statutory location: 11108



Natural Gas Distribution Infrastructure Safety and Modernization Grants

Federal Agency: Department of Transportation

Bureau or Account: Pipeline and Hazardous Materials Safety Administration

Funding amount: \$1,000,000,000

Period of availability: 11 Years

Funding mechanism: Competitive Grant

New program: Yes

Recipients: Municipal or community-owned utilities (Not-for-Profit)

Description: Grant funds will be made available to municipalities or community owned utilities (not including for-profit entities) to repair, rehabilitate, or replace natural gas distribution pipeline systems or portions thereof or to acquire equipment to reduce incidents and fatalities, and to avoid economic loss.

Eligible uses: Cost to repair, rehabilitate, or replace natural gas distribution pipeline systems or portions thereof or to acquire equipment to reduce incidents and fatalities, and to avoid economic loss.

Federal cost share requirement: No non-Federal cost share required

Statutory location: Division J, Title VIII



Highway Safety Research & Development

Federal Agency: Department of Transportation

Bureau or Account: National Highway Traffic Safety Administration

Funding amount: \$970,000,000

Period of availability: 4 year

Funding mechanism: Grants, Cooperative Agreements, Contracts

New program: No

Recipients: States, Counties, Cities / Townships, Special Districts, Tribal Governments (Federally recognized), Tribal Governments (other than Federally recognized), Independent School Districts, Public Higher-Ed Institutions, Private Higher-Ed Institutions, Nonprofits with 501(c)(3) status, Nonprofits - without 501(c)(3) status, Small Businesses, Businesses (other than small businesses), and / or Individuals

Description: The Highway Safety Research and Development program is authorized under 23 U.S.C. 403. Research and development activities with respect to (1) highway and traffic safety systems and conditions, (2) human behavioral factors and their effect on highway and traffic safety, (3) evaluation of the effectiveness of countermeasures to increase highway and traffic safety, (4) development of technologies to detect drug impaired drivers, (5) driver education programs, State laws on highway and traffic safety; Cooperative research and evaluation to research and evaluate priority highway safety countermeasures; Collaborative research on in-vehicle technology to prevent alcohol-impaired driving; Education campaign to reduce incidence of vehicular heatstroke of children; Grant program to develop and implement State processes for informing consumers of recalls; and Evaluation of innovative highway safety countermeasures.

Eligible uses: TBD via Notice of Funding Opportunity

Federal cost share requirement: Up to 100 percent Federal

Statutory location: 24101; 24103



Crash Data

Federal Agency: Department of Transportation

Bureau or Account: National Highway Traffic Safety Administration

Funding amount: \$750,000,000

Period of availability: 4 year

Funding mechanism: Competitive Grants and Contracts

New program: Yes

Recipients: Grants: States, the Secretary of Interior for the Tribes, the District of Columbia, Puerto Rico, American Samoa, Guam, Commonwealth of the Northern Mariana Islands, and the U.S. Virgin Islands; ; Contracts: businesses, non-profits

Description: Funding will be used pursuant to Bipartisan Infrastructure Law §24108 to improve crash data collections and analysis, specifically: to revise non-motorist data collection to distinguish individual personal conveyances like electric scooters and bicycles, update the Model Minimum Uniform Crash Criteria (MMUCC), collect additional data elements related to vulnerable road users, coordinate with Centers for Disease Control and Prevention on national database of pedestrian injuries & fatalities, increase participation in the Electronic Data Transfer (EDT) protocol via new State grant program and internal investment, and expand the Crash Investigation Sampling System by adding sites, broadening scope, and adopting on-scene investigation protocols

Eligible uses: For EDT grants: equipment to upgrade a Statewide crash data repository, adoption of electronic crash reporting by law enforcement agencies, and increasing alignment of State crash data with the latest Model Minimum Uniform Crash Criteria.

Federal cost share requirement: 80 percent Federal / 20 percent non-Federal. Waivers are not available.

Statutory location: 24108



Vehicle Safety and Behavioral Research

Federal Agency: Department of Transportation

Bureau or Account: National Highway Traffic Safety Administration

Funding amount: \$548,500,000

Period of availability: 4 year

Funding mechanism: Grants, Cooperative Agreements, or Contracts

New program: No

Recipients: States, Counties, Cities / Townships, Special Districts, Tribal Governments (Federally recognized), Tribal Governments (other than Federally recognized), Independent School Districts, Public Higher-Ed Institutions, Private Higher-Ed Institutions, Nonprofits with 501(c)(3) status, Nonprofits - without 501(c)(3) status, Small Businesses, Businesses (other than small businesses), and / or Individuals

Description: To provide supplemental funding to accelerate vehicle and behavioral safety research.

Eligible uses: Vehicle and behavioral safety

Federal cost share requirement: Up to 100 percent Federal

Statutory location: Division J, Title VIII



High Priority Activities Program

Federal Agency: Department of Transportation

Bureau or Account: Federal Motor Carrier Safety Administration

Funding amount: \$432,500,000

Period of availability: Year of award + two years or year of award + four years, depending on the priority

Funding mechanism: Grant and Cooperative Agreement

New program: No

Recipients: States, local governments, Federally recognized Tribes, other political jurisdictions as necessary, and any person

Description: The High Priority Activities grant program is a discretionary (competitive) grant program designed to provide Federal financial assistance to enhance States' commercial vehicle safety plan activities, including commercial vehicle inspections, traffic enforcement, and outreach while supporting innovative technology development and/or new project(s) not included in the commercial vehicle safety plan that will have a positive impact on commercial vehicle safety. Other applicants, such as academia and safety associations are also eligible for these grants that improve safety. Overall this grant supports safety programs and innovative technology deployment with a goal of increasing efficiency improvements in exchanging commercial vehicle safety data.

Eligible uses: The grant program provides financial assistance to carry out activities and projects that augment motor carrier safety which include: supporting participation in performance and registration information systems management; conducting safety data improvement projects; increasing public awareness and education on commercial vehicle safety; targeting unsafe driving in areas identified as high risk crash corridors; improving the safe and secure movement of hazardous materials; improving safe transportation of goods and persons in foreign commerce; demonstrating new technologies to improve commercial vehicle safety; and otherwise improving safety and compliance with commercial vehicle safety regulations; and to support and maintain commercial safety information systems and networks.

Federal cost share requirement: Federal share at least 85 percent

Statutory location: 23001



Wildlife Crossings Pilot Program

Federal Agency: Department of Transportation

Bureau or Account: Federal Highway Administration

Funding amount: \$350,000,000

Period of availability: 4 year

Funding mechanism: Grant

New program: Yes

Recipients: State highway agency (or equivalent), Metropolitan Planning Organizations, Local government, Regional transportation authority, Special purpose district or public authority with a transportation function, Tribe, Federal land management agency

Description: The Wildlife Crossings Pilot program will support projects that seek to reduce the number of wildlife-vehicle collisions, and in carrying out that purpose, improve habitat connectivity

Eligible uses: Projects to reduce wildlife-vehicle collisions

Federal cost share requirement: See 23 U.S.C. 120 (default)

Statutory location: 11101; 11123



Commercial Driver's License Implementation Program

Federal Agency: Department of Transportation

Bureau or Account: Federal Motor Carrier Safety Administration

Funding amount: \$297,500,000

Period of availability: Year of award + four years

Funding mechanism: Grant and Cooperative Agreement

New program: No

Recipients: A State agency, local government, or any person

Description: The Commercial Driver's License Implementation Program discretionary grant seeks to improve highway safety by supporting Commercial Driver's License Programs on a State and national level. The funding assists grant partners in achieving compliance with the Commercial Driver's License regulations in 49 CFR Parts 383 and 384 by providing funding directly to States and other entities capable of executing national projects to aid States in their compliance efforts.

Eligible uses: To assist the State in complying with the requirements of section 31311; to improve the State's implementation of its commercial driver's license program; research, development and testing, demonstration projects, public education, and other special activities and projects relating to commercial drivers licensing and motor vehicle safety

Federal cost share requirement: Federal share is at least 85 percent.

Statutory location: 23001



High-Visibility Enforcement

Federal Agency: Department of Transportation

Bureau or Account: National Highway Traffic Safety Administration

Funding amount: \$201,600,000

Period of availability: 4 year

Funding mechanism: Contract

New program: No

Recipients: Businesses (other than small businesses) and Nonprofits with 501(c)(3)

Description: Under 23 U.S.C. 404, the National Highway Traffic Safety Administration carries out national traffic safety campaigns to reduce alcohol-impaired or drug-impaired driving and to increase the use of seatbelts.

Eligible uses: N/A

Federal cost share requirement: No non-Federal cost share required

Statutory location: 24101; 24104



National Driver Register

Federal Agency: Department of Transportation

Bureau or Account: National Highway Traffic Safety Administration

Funding amount: \$36,000,000

Period of availability: 4 year

Funding mechanism: Notice of Funding Opportunity and Competitive Contracts

New program: No

Recipients: Businesses (other than small businesses) and Nonprofits with 501(c)(3)

Description: The National Driver Register (NDR) program is authorized under 49 U.S.C. Chapter 303. The NDR maintains the Problem Driver Pointer System (PDPS), a computerized database containing information on individuals whose privilege to operate a motor vehicle has been revoked, suspended, canceled or denied or who have been convicted of serious traffic-related offenses.

Eligible uses: The purpose is to cover the NDR and PDPS operational costs.

Federal cost share requirement: No non-Federal cost share required

Statutory location: 24101



Commercial Motor Vehicle Enforcement Training & Support Grant Program

Federal Agency: Department of Transportation

Bureau or Account: Federal Motor Carrier Safety Administration

Funding amount: \$25,000,000

Period of availability: Year of award + four years

Funding mechanism: Grant and Cooperative Agreement

New program: Yes

Recipients: Non-profit organization with expertise in conducting training for non-Federal government employees and the ability to reach and involve a target population of Commercial Motor Vehicle safety enforcement employees

Description: The purpose of this new discretionary grant is to train non-Federal government employees who conduct Commercial Motor Vehicle enforcement activities and to develop related training materials.

Eligible uses: The purpose is to train non-Federal government employees who conduct Commercial Motor Vehicle enforcement activities and to develop related training materials.

Federal cost share requirement: Federal share is 100 percent

Statutory location: 23001



Electric Vehicles, Buses and Ferries

Challenge: Building a network of electric vehicle chargers and supporting the transition to electrification across all types of vehicles is critical to reduce emissions and help to combat the climate crisis. U.S. market share of plug-in electric vehicle sales is only one-third the size of the Chinese electric vehicle market.

Solutions: The Bipartisan Infrastructure Law includes up to a \$7.5 billion investment in electric vehicle charging to help build out a national network of 500,000 electric vehicle chargers. This investment will make electric vehicles accessible to all Americans, create good-paying jobs across the country, and ensure a convenient, reliable, affordable, and equitable charging experience for all users. The Bipartisan Infrastructure Law provides funding for deployment of electric vehicle chargers along highway corridors to facilitate long-distance travel and within communities to provide convenient charging where people live, work, and shop.

In addition, there are investments from the Bipartisan Infrastructure Law for specific vehicles to transition to electric: school buses, transit buses and even passenger ferries to reduce emissions for their riders, including children and low-income families that bear the greatest burdens of pollution while trying to meet their mobility needs.

Funding Overview: This funding falls into five major programs (1) National Electric Vehicle Infrastructure Formula Program (\$5 billion) (2) Discretionary Grant Program for Charging and Fueling Infrastructure (\$2.5 billion), (3) Clean School Bus Program (\$5 billion), (4) Low- and No-Emission Transit Bus Program (\$5.6 billion) and (5) Electric or Low Emitting Ferry Program (\$250 million) for a total of over \$18 billion in investments to reduce emissions through the electrification of vehicles.

The **National Electric Vehicle Charging Formula Program (\$5 billion) and Discretionary Grant Program for Charging and Fueling Infrastructure (\$2.5 billion)** provide a total of \$7.5 billion to States to procure and install electric vehicle chargers, with the goal of building a national network of electric vehicle chargers and to support charging in communities where people live, work, and shop. The Formula Program targets electric vehicle charging along corridors and Interstates. The Grant Program will invest in charging and fueling (hydrogen, propane, and natural gas) infrastructure both along corridors and in communities to support innovative approaches that ensure charger deployment reaches rural, disadvantaged, and other hard-to-reach communities. Funding amounts by State for the \$5 billion investment can be found in the Department of Transportation's State-by-State fact sheets [here](#).

New funding will also go to improve transit and school buses. The **Clean School Bus Program, Low- and No-Emission Transit Bus Program, and Electric or Low Emitting Ferry Grant Program** support transitioning buses and ferries to zero emission alternatives. These programs will support innovation in new types of vehicles that reduce pollution in communities and for children and passengers.



In addition, the Bipartisan Infrastructure Law creates the Joint Office of Energy and Transportation, which will provide technical assistance to support the efficient and equitable deployment of electric vehicle charging and other related programs. This office will be a key resource for local communities.

Getting Ready:

- Identify a staff lead on electric vehicle charging to provide guidance, share lessons learned, and coordinate with State and federal staff.
- Connect with State Departments of Transportation who will receive the Formula Program funds and other electric vehicle planning entities like the State Departments of Energy or Environment. Work with them to identify current and potential Alternative Fuel Corridors in and near your community.
- Reach out to school districts and transit agencies to ensure they are preparing for upcoming funding opportunities and know where to go for technical assistance.
- Stay tuned for more information from the Joint Office of Energy and Transportation and the technical assistance and capacity building they will provide.
- Learn more about the technologies, case studies, and lessons learned on the Alternative Fuels Data Center (afdc.energy.gov).
- Watch for upcoming funding opportunities from Environmental Protection Agency, Department of Energy, and Department of Transportation for competitive grants funded through the Bipartisan Infrastructure Law investments.

Existing Resources:

- Read this [Department of Transportation Report](#) on charging infrastructure.
- Check out the Department of Energy's [Alternative Fuels Data Center](#).
- Read more on the Environmental Protection Agency's [Clean School Bus Program](#) and the Department of Transportation [Low or No Emission Vehicle Program](#).



Program Name	Agency Name	Funding Amount
Low or No Emission (Bus) Grants	Department of Transportation	\$5,624,550,890
National Electric Vehicle Infrastructure Formula Program	Department of Transportation	\$5,000,000,000
Clean School Bus Program	Environmental Protection Agency	\$5,000,000,000
Charging and Fueling Infrastructure Grants (Community Charging)	Department of Transportation	\$1,250,000,000
Charging and Fueling Infrastructure Grants (Corridor Charging)	Department of Transportation	\$1,250,000,000
Electric or Low-Emitting Ferry Program	Department of Transportation	\$250,000,000
Electric Drive Vehicle Battery Recycling And 2nd Life Apps	Department of Energy	\$200,000,000
Low or No Emission Vehicle Component Assessment Program	Department of Transportation	\$26,169,974
Safety-Related Activities (Set-aside)	Department of Transportation	\$17,500,000
Commercial Motor Vehicle Operators Grant Program	Department of Transportation	\$16,500,000
TOTAL - ELECTRIC VEHICLES, BUSES AND FERRIES		\$18,634,720,864



Low or No Emission (Bus) Grants

Federal Agency: Department of Transportation
Bureau or Account: Federal Transit Administration

Funding amount: \$5,624,550,890

Period of availability: Year of Allocation + three years

Funding mechanism: Grant

New program: No

Recipients: States, Counties, Cities / Townships, Special Districts, Tribal Governments (Federally recognized)

Description: Provides capital funding to replace, rehabilitate, purchase, or lease buses and bus related equipment and to rehabilitate, purchase, construct, or lease bus-related facilities. Provides capital funding for low or no emissions bus projects.

Eligible uses: Capital

Federal cost share requirement: Varies. Waivers are not available.

Statutory location: 30018



National Electric Vehicle Infrastructure Formula Program

Federal Agency: Department of Transportation

Bureau or Account: Federal Highway Administration

Funding amount: \$5,000,000,000

Period of availability: Available until expended

Funding mechanism: Formula Grant

New program: Yes

Recipients: States (including District of Columbia and Puerto Rico)

Description: Strategically deploy electric vehicle charging infrastructure and establish an interconnected network to facilitate data collection, access, and reliability. Sets aside 10 percent of funding for discretionary grants to State and local governments that require additional assistance to strategically deploy electric vehicle charging infrastructure.

Eligible uses: The acquisition and installation of electric vehicle charging infrastructure to serve as a catalyst for the deployment of such infrastructure and to connect it to a network to facilitate data collection, access, and reliability; proper operation and maintenance of electric vehicle charging infrastructure; data sharing about electric vehicle charging infrastructure to ensure the long-term success of investments.

Federal cost share requirement: 80 percent Federal / 20 percent non-Federal. Waivers are not available.

Statutory location: Division J, Title VIII



Clean School Bus Program

Federal Agency: Environmental Protection Agency
Bureau or Account: Environmental Protection Agency

Funding amount: \$5,000,000,000

Period of availability: Available until expended

Funding mechanism: Grant, Rebate and Contract

New program: Yes

Recipients: Local or State Governmental Entities; An Eligible Contractor; A Nonprofit School Transportation Association; Or an Tribe

Description: State or local governments, eligible contractors, and nonprofit school transportation associations are authorized to receive grant funds. Fifty percent of the funds are authorized for zero-emission school buses, and fifty percent of the funds are authorized for alternative fuels and zero-emission school buses. Funds may be prioritized for rural or low-income communities and entities that have matching funds available. The Environmental Protection Agency Administrator is authorized to provide funds to cover up to 100 percent of the costs for the replacement of the bus.

Eligible uses: State or local governments, eligible contractors, and nonprofit school transportation associations are authorized to receive grant funds. Fifty percent of the funds are authorized for zero-emission school buses, and fifty percent of the funds are authorized for alternative fuels and zero-emission school buses. Funds may be prioritized for rural or low-income communities and entities that have matching funds available. The Environmental Protection Agency Administrator is authorized to provide funds to cover up to 100 percent of the costs for the replacement of the bus.

Federal cost share requirement: No non-Federal cost share required

Statutory location: 71101



Charging and Fueling Infrastructure Grants (Community Charging)

Federal Agency: Department of Transportation

Bureau or Account: Federal Highway Administration

Funding amount: \$1,250,000,000

Period of availability: 4 year

Funding mechanism: Competitive Grant

New program: Yes

Recipients: State or political subdivision of a State, Metropolitan Planning Organization, Local government, Special purpose district or public authority with a transportation function, Tribe, Territory

Description: Program funds will be made available each fiscal year for Community Grants, to install electric vehicle charging and alternative fuel in locations on public roads, schools, parks, and in publicly accessible parking facilities. These grants will be prioritized for rural areas, low-and moderate-income neighborhoods, and communities with low ratios of private parking, or high ratios of multiunit dwellings.

Eligible uses: Acquisition and installation of publicly accessible electric vehicle charging or alternative fueling infrastructure, operating assistance (for the first 5 years after installation), acquisition and installation of traffic control devices.

Federal cost share requirement: 80 percent Federal / 20 percent non-Federal. Waivers are not available.

Statutory location: 11101; 11401



Charging and Fueling Infrastructure Grants (Corridor Charging)

Federal Agency: Department of Transportation

Bureau or Account: Federal Highway Administration

Funding amount: \$1,250,000,000

Period of availability: 4 year

Funding mechanism: Competitive Grant

New program: Yes

Recipients: State or political subdivision of a State, Metropolitan Planning Organizations, Local government, Special purpose district or public authority with a transportation function, Tribe, Territory

Description: Deploy electric vehicle charging and hydrogen/propane/natural gas fueling infrastructure along designated alternative fuel corridors and in communities.

Eligible uses: Acquisition and installation of publicly accessible electric vehicle charging or alternative fueling infrastructure, operating assistance (for the first 5 years after installation), acquisition and installation of traffic control devices.

Federal cost share requirement: 80 percent Federal / 20 percent non-Federal. Waivers are not available.

Statutory location: 11101; 11401



Electric or Low-Emitting Ferry Program

Federal Agency: Department of Transportation
Bureau or Account: Federal Transit Administration

Funding amount: \$250,000,000

Period of availability: To be determined

Funding mechanism: Grant

New program: Yes

Recipients: TBD

Description: The Bipartisan Infrastructure Law, establishes an Electric or Low-Emitting Ferry Pilot Program that makes Federal funding available to support the transition of passenger ferries to low or zero emission technologies.

Eligible uses: Capital

Federal cost share requirement: Varies. Waivers are not available.

Statutory location: Division J, Title VIII



Electric Drive Vehicle Battery Recycling And 2nd Life Apps

Federal Agency: Department of Energy

Bureau or Account: Energy Programs

Funding amount: \$200,000,000

Period of availability: Available until expended

Funding mechanism: Cooperative Agreement

New program: Yes

Recipients: (1) Institutions of higher education. (2) National Laboratories. (3) Nonprofit and for-profit private entities. (4) State and local governments. (5) Consortia of entities described in paragraphs (1) through (4)

Description: To expand an existing program at the Department of Energy for research, development, and demonstration of electric vehicle battery recycling and second-life applications for vehicle batteries.

Eligible uses: (i) To conduct research, development, testing, evaluation of solutions to increase the rate and productivity of electric drive vehicle battery recycling; and(ii) for research, development, and demonstration projects to create innovative and practical approaches to increase the recycling and second-use of electric drive vehicle batteries.

Federal cost share requirement:

Statutory location: 40208



Low or No Emission Vehicle Component Assessment Program

Federal Agency: Department of Transportation
Bureau or Account: Federal Transit Administration

Funding amount: \$26,169,974

Period of availability: To be determined

Funding mechanism: Cooperative Agreement, Contract, Grant

New program: No

Recipients: Qualified institutions of higher education

Description: The Federal Transit Administration will provide funds to two qualified institutions of higher education to conduct testing, evaluation, and analysis of low or no emission components intended for use in low- and zero emission buses used to provide public transportation. The Low and No-Emission Component Assessment Program (LoNO-CAP) is intended to test items that are separately installed in and removable from a low- or no-emission transit bus.

Eligible uses: To conduct testing, evaluation, and analysis of low- or no-emission vehicle and to conduct testing, evaluation, and analysis of low- or no-emission vehicle components, and new and emerging technology components intended for use in low- or no-emission vehicles; and to conduct directed technology research, as well as operations, maintenance, testing, and evaluation.

Federal cost share requirement: 50 percent Federal share/50 percent non-Federal share. Waivers are not available.

Statutory location: 30007



Safety-Related Activities (Set-aside)

Federal Agency: Department of Transportation
Bureau or Account: Federal Highway Administration

Funding amount: \$17,500,000

Period of availability: 4 year

Funding mechanism: Competitive Grant

New program: No

Recipients: States (including District of Columbia)

Description: This set-aside is for transportation safety outreach, training, and education.

Eligible uses: Eligible activities includes: Operation Lifesaver, the Public Road Safety Clearinghouse, Work Zone Safety Grants, the National Work Zone Safety Information Clearinghouse, and guardrail training

Federal cost share requirement: No non-Federal cost share required

Statutory location: 11124



Commercial Motor Vehicle Operators Grant Program

Federal Agency: Department of Transportation

Bureau or Account: Federal Motor Carrier Safety Administration

Funding amount: \$16,500,000

Period of availability: Year of award + two years

Funding mechanism: Competitive Grant

New program: No

Recipients: An entity that can train individuals in the safe operation of commercial motor vehicles

Description: The Commercial Motor Vehicle Operator Safety Training grant program awards grants to a variety of educational institutions that provide commercial truck and bus driving training, including accredited public or private colleges, universities, vocational-technical schools, post-secondary educational institutions, truck driver training schools, associations, and State and local governments, including Federally recognized Tribal governments.

Eligible uses: The purpose of this discretionary grant program is to train individuals in the safe operation of commercial motor vehicles and prioritize grant applications for programs to train former members of the armed forces and eligible family members.

Federal cost share requirement: Federal share is at least 85 percent.

Statutory location: 23001



Climate, Energy, and the Environment

“This bill will make historic and significant strides that take on the climate crisis. It will build out the first-ever national network of electric vehicle charging stations across the country. We will get America off the sidelines on manufacturing solar panels, wind farms, batteries, and electric vehicles to grow these supply chains, reward companies for paying good wages and for sourcing their materials from here in the United States, and allow us to export these products and technologies to the world. It will also make historic investments in environmental clean-up and remediation, and build up our resilience for the next superstorms, droughts, wildfires, and hurricanes that cost us billions of dollars in damage each year.”

– Statement by President Biden on the House Passage of the Bipartisan Infrastructure Law, November 6, 2021



Clean Energy and Power

Challenge: Our energy system is in desperate need of modernization and reform to increase resilience and bring low-cost clean energy to more Americans. Power outages cost the U.S. economy up to \$70 billion every year, and one in three U.S. households face challenges paying their energy bills. Many promising clean energy technologies that can help to meet our climate goals work in the lab but have yet to be demonstrated at scale. Too many of our homes, schools, and offices are inefficient, contributing to high energy bills and air pollution. And for too long, we have ceded ground on manufacturing to our global competitors.

Solutions: The Bipartisan Infrastructure Law is the largest investment in clean energy infrastructure in American history. It will modernize our power grid by building and upgrading thousands of miles of resilient transmission lines to reduce outages and energy costs and facilitate the expansion of clean energy. It will invest in energy efficiency and clean energy improvements in our homes, schools, businesses, and communities to make them cleaner and more affordable. And it will fund new programs to support the development, demonstration, and deployment of cutting-edge clean energy technologies to accelerate our transition to a zero-emission economy, while also creating good paying jobs and investing in manufacturing in communities across the country.

Funding Overview: This funding includes four major areas, covered under this section – (1) delivering clean power (~\$21.3 billion), (2) clean energy demonstrations (~\$21.5 billion), (3) energy efficiency and weatherization retrofits for homes, buildings, and communities (\$6.5 billion), and (4) funding for clean energy manufacturing and workforce development (\$8.6 billion).

Delivering clean power

In January 2022, the Department of Energy launched a new **“Building a Better Grid Initiative” to accelerate the deployment of new transmission lines** that will connect Americans to cleaner, cheaper electricity, while improving the resilience and reliability of the grid. This initiative will leverage the ~\$16.5 billion in Bipartisan Infrastructure Law funding to reliably deliver clean, affordable power to more Americans, improve the resilience of our grid infrastructure, and help achieve the President’s goal of 100 percent carbon pollution-free electricity by 2035. In addition, the Bipartisan Infrastructure Law provides \$6 billion for a **Civil Nuclear Credit Program** that will provide financial support to existing nuclear reactors that are at risk of closing and being replaced by higher-emitting power resources, and more than \$700 million for **upgrades to our existing hydropower fleet** that will improve efficiency, maintain safety, and reduce environmental impacts. Eligible recipients for this funding include States, Tribes, communities, and utilities, including utilities that operate under regulatory supervision by local governments and State commissions.



Clean energy demonstrations

In December 2021, the Department of Energy established a new **Office of Clean Energy Demonstrations** to oversee the \$21.5 billion in Bipartisan Infrastructure Law funding for clean energy demonstration projects for innovative technologies like clean hydrogen, carbon capture, grid-scale energy storage, advanced nuclear reactors, and more. Demonstration projects test the effectiveness of innovative technologies in real world conditions at scale, often leveraging public-private partnerships to pave the way towards commercialization and widespread deployment. Much of this funding will go to large projects that can be significant engines of local and regional economic development and job creation.

Energy efficiency

In the Bipartisan Infrastructure Law, Department of Energy is charged with investing an additional \$6.5 billion to support weatherization and other energy efficiency improvements to reduce energy costs for American families, businesses, schools, and communities, improve comfort and health, and cut carbon and air pollution, which disproportionately harms lower-income communities and communities of color. These investments will also help State, local, and Tribal governments develop and implement their own clean energy and energy efficiency programs that will create jobs in their communities. Much of this funding will flow through existing State energy offices, local governments, or weatherization and housing agencies.

Clean energy manufacturing and workforce

The Bipartisan Infrastructure Law investments in clean energy technology supply chains for technologies like batteries will allow America to make the energy technologies of the future right here at home, boosting our competitiveness within a global clean energy market expected to reach \$23 trillion by the end of the decade. These investments will create good jobs up and down the supply chain—especially manufacturing jobs and skills-matched opportunities for fossil fuel workers. Department of Energy’s funding will go primarily to clean energy manufacturing facilities across the country. Department of Interior’s funding will enable the U.S. Geological Survey’s Earth Mapping Resources Initiative (Earth MRI) to modernize the Nation’s mapping of critical mineral potential, including those minerals necessary for clean energy technologies and for other key manufacturing sectors of the economy. This mapping will focus on both minerals still in the ground and mineral resources that may be reprocessed from mine wastes. The maps will also provide data useful to support remediation of abandoned mine lands, and will improve the Nation’s understanding of other natural resources such as groundwater and geothermal energy, and geologic hazards such as earthquakes.

**Getting Ready:**

The power and clean energy provisions in the Bipartisan Infrastructure Law cover a variety of technologies, funding across competitive and formula formats, and potential recipient including State, local, territorial, and Tribal governments, clean energy companies, utilities, and others. To guide program design and help potential recipients prepare to apply for and receive funding, the Department of Energy will issue requests for information, notices of intent, webinars, and other stakeholder engagement opportunities.

To stay apprised of these opportunities, potential applicants can go to www.energy.gov/bipartisan-infrastructure-law-programs for the latest announcements and upcoming engagements.

Existing Resources:

- The Department of Energy has stood-up a centralized [one-stop shop](#) online for Bipartisan Infrastructure Law program information.
- Please review the Department of Energy’s Notice of Intent on its “[Building a Better Grid Initiative](#)” which lays out a plan for forthcoming actions on grid modernization.
- The United States Geological Survey is leading an ongoing effort to identify areas that may contain undiscovered critical mineral resources, as the enhancement of our domestic mineral supply decreases our national reliance on foreign sources of minerals fundamental to our economy and security. Read more on their Earth Mapping Resources Initiative [here](#).



Program Name	Agency Name	Funding Amount
Power Marketing Administration Transmission Borrowing Authority	Department of Energy	\$10,000,000,000
Regional Clean Hydrogen Hubs	Department of Energy	\$8,000,000,000
Civil Nuclear Credit Program	Department of Energy	\$6,000,000,000
Program Upgrading Our Electric Grid and Ensuring Reliability and Resiliency	Department of Energy	\$5,000,000,000
Preventing Outages and Enhancing the Resilience of the Electric Grid / Hazard Hardening	Department of Energy	\$5,000,000,000
Four Regional Clean Direct Air Capture Hubs	Department of Energy	\$3,500,000,000
Weatherization Assistance Program	Department of Energy	\$3,500,000,000
Battery Materials Processing Grants	Department of Energy	\$3,000,000,000
Battery Manufacturing and Recycling Grants	Department of Energy	\$3,000,000,000
Smart Grid Investment Matching Grant Program	Department of Energy	\$3,000,000,000
Carbon Capture Demonstration Projects Program	Department of Energy	\$2,537,000,000
Transmission Facilitation Program	Department of Energy	\$2,500,000,000
Carbon Storage Validation and Testing	Department of Energy	\$2,500,000,000
Advanced Reactor Demonstration Program	Department of Energy	\$2,477,000,000
Carbon Dioxide Transportation Infrastructure Finance and Innovation Program	Department of Energy	\$2,100,000,000
Energy Improvement in Rural or Remote Areas	Department of Energy	\$1,000,000,000
Clean Hydrogen Electrolysis Program	Department of Energy	\$1,000,000,000
Carbon Capture Large-Scale Pilot Programs	Department of Energy	\$937,000,000
Advanced Energy Manufacturing and Recycling Grants	Department of Energy	\$750,000,000
Critical Material Innovation, Efficiency, And Alternatives	Department of Energy	\$600,000,000
Rehabilitation of High Hazard Potential Dams	Department of Homeland Security	\$585,000,000
Maintaining and Enhancing Hydroelectricity Incentives	Department of Energy	\$553,600,000
Energy Efficiency and Conservation Block Grant Program	Department of Energy	\$550,000,000
Purchase of Power and Transmission Services	Department of Energy	\$500,000,000
State Energy Program	Department of Energy	\$500,000,000
Clean Hydrogen Manufacturing Recycling Research, Development, and Demonstration Program	Department of Energy	\$500,000,000
Industrial Emission Demonstration Projects	Department of Energy	\$500,000,000
Grants for Energy Efficiency and Renewable Energy Improvements at Public School Facilities	Department of Energy	\$500,000,000
Industrial Research and Assessment Center Implementation Grants	Department of Energy	\$400,000,000
Energy Storage Demonstration and Pilot Grant Program	Department of Energy	\$355,000,000
Earth Mapping Resources Initiative	Department of the Interior	\$320,000,000
Carbon Utilization Program	Department of Energy	\$310,140,781
Assisting Federal Facilities with Energy Conservation Technologies Grant Program	Department of Energy	\$250,000,000
Energy Efficiency Revolving Loan Fund Capitalization Grant Program	Department of Energy	\$250,000,000
Cost-effective Codes Implementation for Efficiency and Resilience	Department of Energy	\$225,000,000
National Dam Safety Program	Department of Homeland Security	\$215,000,000



Energy and Minerals Research Facility	Department of the Interior	\$167,000,000
Industrial Research and Assessment Centers	Department of Energy	\$150,000,000
Long-Duration Energy Storage Demonstration Initiative and Joint Program	Department of Energy	\$150,000,000
Rare Earth Elements Demonstration Facility	Department of Energy	\$140,000,000
Rare Earth Security Activities	Department of Energy	\$127,000,000
Battery and Critical Mineral Recycling	Department of Energy	\$125,000,000
Hydroelectric Production Incentives	Department of Energy	\$125,000,000
Watershed Rehabilitation Program	Department of Agriculture	\$118,000,000
Front-End Engineering and Design Program Out Activities Under Carbon Capture Tech Program 962 Of EPA (Sec 40303)	Department of Energy	\$100,000,000
Commercial Direct Air Capture Technology Prize Competition	Department of Energy	\$100,000,000
Enhanced Geothermal Systems and Pilot Demonstrations	Department of Energy	\$84,000,000
Section 243 Hydroelectric Efficiency Improvement Incentives (Sec 40332)	Department of Energy	\$75,000,000
Critical Material Supply Chain Research Facility	Department of Energy	\$75,000,000
Marine Energy Research, Development, and Demonstration	Department of Energy	\$70,400,000
Wind Energy Technology Program	Department of Energy	\$60,000,000
Energy Efficiency Materials Pilot Program	Department of Energy	\$50,000,000
Energy Auditor Training Grant Program	Department of Energy	\$40,000,000
Solar Energy Research and Development	Department of Energy	\$40,000,000
Wind Energy Tech Recycling Research & Development	Department of Energy	\$40,000,000
National Marine Energy Centers	Department of Energy	\$40,000,000
Hydropower Research, Development, and Demonstration	Department of Energy	\$36,000,000
Solar Recycling Research & Development	Department of Energy	\$20,000,000
New Solar Research & Development	Department of Energy	\$20,000,000
Pre-Commercial Direct Air Capture Prize Competitions	Department of Energy	\$15,000,000
Pumped Storage Hydropower Wind and Solar Integration and System Reliability Initiative	Department of Energy	\$10,000,000
Extended Product System Rebates	Department of Energy	\$10,000,000
Energy Efficient Transformer Rebates	Department of Energy	\$10,000,000
Lithium-Ion Recycling Prize	Department of Energy	\$10,000,000
Career Skills Training	Department of Energy	\$10,000,000
Building, Training, And Assessment Centers	Department of Energy	\$10,000,000
Capital Improvement and Maintenance for Dams	Department of Agriculture	\$10,000,000
TOTAL - CLEAN ENERGY AND POWER		\$74,952,140,781



Power Marketing Administration Transmission Borrowing Authority

Federal Agency: Department of Energy

Bureau or Account: Power Marketing Administration

Funding amount: \$10,000,000,000 *in borrowing authority*

Period of availability: The obligation of additional borrowing authority shall not exceed \$6,000,000,000 by fiscal year 2028

Funding mechanism: Borrowing Authority for Federal Expenditure at Discretion of BPA Administrator

New program: No

Recipients: Entities That Assist in Implementing the Construction, Acquisition, And Replacement of The Federal Columbia River Power System

Description: Borrowing authority for the Bonneville Power Authority (BPA) to assist in the financing of the construction, acquisition, and replacement of the Federal Columbia River Power System. Requires BPA to issue an updated financial plan.

Eligible uses: Financing of the construction, acquisition, and replacement of the Federal Columbia River Power System and implementation of the authority of the Administrator of the Bonneville Power Administration under the Pacific Northwest Electric Power Planning and Conservation Act.

Federal cost share requirement: N/A

Statutory location: 40110



Regional Clean Hydrogen Hubs

Federal Agency: Department of Energy

Bureau or Account: Energy Programs

Funding amount: \$8,000,000,000

Period of availability: Available until expended

Funding mechanism: Grants, Contracts, Cooperative Agreements, or any other agreements authorized under this Act or other Federal law

New program: Yes

Recipients: Technology Developers, Industry, Utilities, Universities, National Laboratories, Engineering and Construction firms, State and Local Governments, Tribal, Environmental Groups, and Community Based Organizations.

Description: To support the development of at least 4 regional clean hydrogen hubs to improve clean hydrogen production, processing, delivery, storage, and end use.

Eligible uses: Projects that demonstrate the production, processing, delivery, storage, and end-use of, clean hydrogen through regional clean hydrogen hubs, which are networks of clean hydrogen producers, potential clean hydrogen consumers, and connective infrastructure located in close proximity.

Federal cost share requirement: TBD

Statutory location: 40314



Civil Nuclear Credit Program

Federal Agency: Department of Energy

Bureau or Account: Energy Programs

Funding amount: \$6,000,000,000

Period of availability: fiscal year 2022 - 2026

Funding mechanism: Credit allocation

New program: Yes

Recipients: Certified nuclear reactors

Description: To establish a Civil Nuclear Credit (CNC) Program to prevent premature retirements of existing commercial nuclear reactors due to economic factors. The CNC Program will: certify nuclear reactors for program eligibility; establish a process to accept sealed bids for credits from certified nuclear reactors; allocate credits to certified nuclear reactors; and conduct periodic audits, with possible recapture of credits.

Eligible uses: Nuclear reactors that compete in a competitive electricity market and are projected to cease operations due to economic factors during the four-year credit period may apply for certification. The Secretary of Energy must determine that the nuclear reactor is projected to cease operations due to economic factors, that emissions will increase if the nuclear reactor retires, and that the U.S. Nuclear Regulatory Commission has reasonable assurance that the nuclear reactor will continue to operate consistent with its current licensing basis and that it poses no significant safety hazards. The first CNC award period, which began with the publication of Guidance on April 19, 2022, prioritizes nuclear reactors that made a public filing before November 15, 2021 of the intent to cease operations. Future award periods will not be limited to nuclear reactors that have publicly announced their intentions to cease operations.

Federal cost share requirement: Not applicable

Statutory location: 40323



Program Upgrading Our Electric Grid and Ensuring Reliability and Resiliency

Federal Agency: Department of Energy

Bureau or Account: Energy Programs

Funding amount: \$5,000,000,000

Period of availability: \$1,000,000,000 appropriated annually for fiscal years 2022 through 2026 (to remain available until expended).

Funding mechanism: Grant, Cooperative Agreement, or Other

New program: Yes

Recipients: State, combination of 2 or more States; Tribes; units of local government, and/or public utility commissions.

Description: To provide Federal financial assistance to demonstrate innovative approaches to transmission, storage, and distribution infrastructure to harden and enhance resilience and reliability; and to demonstrate new approaches to enhance regional grid resilience.

Eligible uses: To coordinate and collaborate with electric sector owners and operators—(A) to demonstrate innovative approaches to transmission, storage, and distribution infrastructure to harden and enhance resilience and reliability; and (B) to demonstrate new approaches to enhance regional grid resilience, implemented through States by public and rural electric cooperative entities on a cost-shared basis

Federal cost share requirement: At least a 20 percent cost-share for a funded “research or development activity,” unless the activity is of a basic or fundamental nature. A 50 percent cost-share of total costs for a funded “demonstration or commercial application activity.”

Statutory location: 40103



Preventing Outages and Enhancing the Resilience of the Electric Grid / Hazard Hardening

Federal Agency: Department of Energy

Bureau or Account: Energy Programs

Funding amount: \$5,000,000,000

Period of availability: Available until expended

Funding mechanism: States, Territories and Tribes – Formula Grants; Eligible entities – Grants or Cooperative Agreements

New program: Yes

Recipients: Electric Grid Operators, Electricity Storage Operators, Electricity Generators, Transmission Owners and Operators, Distribution Providers, Fuel Suppliers, States, Tribes

Description: To make grants to eligible entities, States, and Tribes to prevent outages and enhance the resilience of the electric grid.

Eligible uses: To carry out activities that are supplemental to existing hardening efforts and reduce the risk of power lines causing a wildfire; or reduce the likelihood and consequences of disruptive events.

Federal cost share requirement: States, Territories and Tribes – 15 percent cost share; Eligible entities – 100 percent match; Small utilities 1/3 matching cost share.

Statutory location: 40101

Note: This program was called 'Preventing Outages and Enhancing the Resilience of the Electric Grid Grants' in previous versions of this Guidebook.



Four Regional Clean Direct Air Capture Hubs

Federal Agency: Department of Energy

Bureau or Account: Energy Programs

Funding amount: \$3,500,000,000

Period of availability: \$700,000,000 annually for the period of fiscal years 2022 through 2026 (to remain available until expended)

Funding mechanism: Grant, Cooperative Agreement, or Other

New program: Yes

Recipients: Technology Developers, Industry, Utilities, Universities, National Laboratories, Engineering and Construction firms, State and Local Governments, Tribal, Environmental Groups, and Community Based Organizations

Description: To establish a program under which the Secretary shall provide funding for eligible projects that contribute to the development of 4 regional direct air capture hubs.

Eligible uses: A regional direct air capture hub that: (i) facilitates the deployment of direct air capture projects; (ii) has the capacity to capture and sequester, utilize, or sequester and utilize at least 1,000,000 metric tons of carbon dioxide from the atmosphere annually from a single unit or multiple interconnected units; (iii) demonstrates the capture, processing, delivery, and sequestration or end-use of captured carbon; and (iv) could be developed into a regional or interregional carbon network to facilitate sequestration or carbon utilization.

Federal cost share requirement: TBD

Statutory location: 40308



Weatherization Assistance Program

Federal Agency: Department of Energy

Bureau or Account: Energy Programs

Funding amount: \$3,500,000,000

Period of availability: Beginning fiscal year 2022 (to remain until expended)

Funding mechanism: Formula Grant

New program: No

Recipients: States, Tribes

Description: To increase the energy efficiency of dwellings owned or occupied by low-income persons, reduce their total residential energy expenditures, and improve their health and safety, especially low-income persons who are particularly vulnerable such as the elderly, the handicapped, and children.

Eligible uses: Improvement of heating and cooling of dwellings by the installation of weatherization materials such as attic insulation, caulking, weather-stripping, furnace efficiency modifications, certain mechanical measures to heating and cooling systems, and replacement furnaces, boilers, and air-conditioners. Grantees may receive formula-based allocations and can perform weatherization retrofits with an average cost of up to \$8,009 per dwelling unit in fiscal year 2022. Up to 15 percent of each grant may be spent by a grantee and its subgrantees for administrative expenses (in the Formula Grants a grantee may not use more than 7.5 percent of the total State grant for such purposes).

Federal cost share requirement: No non-Federal cost share required

Statutory location: 40551



Battery Materials Processing Grants

Federal Agency: Department of Energy

Bureau or Account: Energy Programs

Funding amount: \$3,000,000,000

Period of availability: \$600,000,000 appropriated annually for fiscal years 2022 through 2026 (to remain available until expended)

Funding mechanism: Grant

New program: Yes

Recipients: (1) Institutions of higher education. (2) National Laboratories. (3) Nonprofit and for-profit private entities. (4) State and local governments. (5) Consortia of entities described in (1) through (4)

Description: To provide grants for battery materials processing to ensure that the United States has a viable battery materials processing industry. Funds can also be used to expand our domestic capabilities in battery manufacturing and enhance processing capacity.

Eligible uses: Demonstration projects, construction of commercial-scale facilities, and retrofit or retooling of existing battery material processing facilities.

Federal cost share requirement: ≥50 percent of the total project cost

Statutory location: 40207



Battery Manufacturing and Recycling Grants

Federal Agency: Department of Energy

Bureau or Account: Energy Programs

Funding amount: \$3,000,000,000

Period of availability: \$600,000,000 appropriated annually for fiscal years 2022 through 2026 (to remain available until expended)

Funding mechanism: Grant

New program: Yes

Recipients: (1) Institutions of higher education. (2) National Laboratories. (3) Nonprofit and for-profit private entities. (4) State and local governments. (5) Consortia of entities described in paragraphs (1) through (4)

Description: To provide grants to ensure that the United States has a viable domestic manufacturing and recycling capability to support a North American battery supply chain.

Eligible uses: Demonstration projects, construction of commercial-scale facilities, and retrofit or retooling of existing facilities for battery component manufacturing, advanced battery manufacturing, and recycling.

Federal cost share requirement: ≥50 percent of the total project cost

Statutory location: 40207



Smart Grid Investment Matching Grant Program

Federal Agency: Department of Energy

Bureau or Account: Energy Programs

Funding amount: \$3,000,000,000

Period of availability: \$600,000,000 appropriated annually for fiscal years 2022 through 2026 (to remain available until expended)

Funding mechanism: Grant

New program: Yes

Recipients: Utilities

Description: Funding and expansion of eligible activities under the Smart Grid Investment Matching Grant Program established under section 1306 of the Energy Independence and Security Act of 2007.

Eligible uses: Qualifying Smart Grid investments including for installation, that allow buildings to engage in demand flexibility or Smart Grid functions. Qualifying Smart Grid investments including for installation, that allow buildings to engage in demand flexibility or Smart Grid functions. Eligible investments include metering, control, and other devices, sensors, and software; communications and broadband technologies to support smart grid deployment; technologies and programs to integrate electric vehicles to the grid; devices and software for buildings support demand flexibility and other smart grid functions; operational fiber and wireless broadband communications networks enabling data sharing between distribution system components; and Advanced transmission technologies, including dynamic line rating, flow control devices, advanced conductors, and network topology optimization, to increase the operational transfer capacity transmission networks.

Federal cost share requirement: A 50 percent cost-share of total costs.

Statutory location: 40107

Note: This program was called 'Deployment of Technologies to Enhance Grid Flexibility' in previous versions of this Guidebook.



Carbon Capture Demonstration Projects Program

Federal Agency: Department of Energy

Bureau or Account: Energy Programs

Funding amount: \$2,537,000,000

Period of availability: Available until expended

Funding mechanism: Cooperative Agreement

New program: Yes

Recipients: Technology Developers, Industry, Utilities, Universities, National Laboratories, Engineering and Construction firms, State and Local Governments, Tribal, Environmental Groups, and Community Based Organizations.

Description: To establish a carbon capture technology program for the development of 6 facilities to demonstrate transformational technologies that will significantly improve the efficiency, effectiveness, costs, emissions reductions, and environmental performance of coal and natural gas use, including in manufacturing and industrial facilities.

Eligible uses: Of the demonstration projects carried out — (i) 2 shall be designed to capture carbon dioxide from a natural gas electric generation facility; (ii) 2 shall be designed to capture carbon dioxide from a coal electric generation facility; and (iii) 2 shall be designed to capture carbon dioxide from an industrial facility not purposed for electric generation.

Federal cost share requirement: TBD

Statutory location: 41004



Transmission Facilitation Program

Federal Agency: Department of Energy

Bureau or Account: Energy Programs

Funding amount: \$2,500,000,000 (*Borrowing Authority*)

Period of availability: Available until expended

Funding mechanism: Loan, Direct Financing, or Capacity Purchase

New program: Yes

Recipients: Transmission Developers

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

Eligible uses: To facilitate eligible projects, the Secretary may-- (A) enter into a capacity contract with respect to an eligible project with the objective of reselling that capacity once the financial viability of the project has been established; (B) issue a loan to an eligible entity for the costs of carrying out an eligible project; or (C) participate with an eligible entity in designing, developing, constructing, operating, maintaining, or owning an eligible project.

Federal cost share requirement: N/A

Statutory location: 40106



Carbon Storage Validation and Testing

Federal Agency: Department of Energy

Bureau or Account: Energy Programs

Funding amount: \$2,500,000,000

Period of availability: Available until expended

Funding mechanism: Grant, Cooperative Agreement, or Other

New program: Yes

Recipients: Technology Developers, Industry, Utilities, Universities, National Laboratories, Engineering and Construction firms, and State and Local Governments.

Description: To establish a program of research, development, and demonstration for carbon storage.

Eligible uses: Development of new or expanded commercial large-scale carbon sequestration projects and associated carbon dioxide transport infrastructure, including funding for the feasibility, site characterization, permitting, and construction stages of project development.

Federal cost share requirement: TBD

Statutory location: 40305



Advanced Reactor Demonstration Program

Federal Agency: Department of Energy

Bureau or Account: Energy Programs

Funding amount: \$2,477,000,000

Period of availability: Available until expended

Funding mechanism: Cooperative Agreement

New program: No

Recipients: Domestic Nuclear Industry Partners, National Laboratories, and Engineering and Construction firms.

Description: To fund two large demonstrations of advanced nuclear reactors for electricity generation.

Eligible uses: Funding for the existing advanced reactor demonstration program (DE-FOA-0002271).

Federal cost share requirement:

Statutory location: 41002



Carbon Dioxide Transportation Infrastructure Finance and Innovation Program

Federal Agency: Department of Energy

Bureau or Account: Energy Programs

Funding amount: \$2,100,000,000

Period of availability: Available until expended

Funding mechanism: Loan / Grant

New program: Yes

Recipients: State / Local / Public Authority

Description: To establish and carry out a carbon dioxide transportation infrastructure finance and innovation program.

Eligible uses: Projects that: (A) are large-capacity, common carrier infrastructure; (B) have demonstrated demand for use of the infrastructure by associated projects that capture carbon dioxide from anthropogenic sources or ambient air; (C) enable geographical diversity in associated projects that capture carbon dioxide from anthropogenic sources or ambient air, with the goal of enabling projects in all major carbon dioxide-emitting regions of the United States; and (D) are sited within, or adjacent to, existing pipelines or other linear infrastructure corridors, in a manner that minimizes environmental disturbance and other siting concerns.

Federal cost share requirement: TBD

Statutory location: 40304



Energy Improvement in Rural or Remote Areas

Federal Agency: Department of Energy

Bureau or Account: Energy Programs

Funding amount: \$1,000,000,000

Period of availability: \$200,000,000 appropriated annually for fiscal years 2022 through 2026 (to remain available until expended)

Funding mechanism: Grant, Cooperative Agreement, or Other

New program: Yes

Recipients: Cities, towns, or unincorporated areas with populations of not more than 10,000 inhabitants.

Description: In consultation with the Department of the Interior, to provide financial assistance to improve, in rural or remote areas of the United States, the resilience, safety, reliability, and availability of energy, as well as environmental protection from adverse impacts of energy generation.

Eligible uses: Overall cost-effectiveness of energy generation, transmission, or distribution systems;
siting or upgrading transmission and distribution lines;
reducing greenhouse gas emissions from energy generation by rural or remote areas;
providing or modernizing electric generation facilities;
developing microgrids; and
increasing energy efficiency.

Federal cost share requirement: TBD

Statutory location: 40103

Note: This program was called 'Energy Improvement in Rural and Remote Areas' in previous versions of this Guidebook.



Clean Hydrogen Electrolysis Program

Federal Agency: Department of Energy

Bureau or Account: Energy Programs

Funding amount: \$1,000,000,000

Period of availability: Available until expended

Funding mechanism: Grants, Contracts, Cooperative Agreements, or any other agreements authorized under this Act or other Federal law

New program: Yes

Recipients: Nonprofit and for-profit private entities, Institutions of higher education, National Laboratories, Consortia, State and local governments, Tribes and Tribal organizations, and other entities deemed eligible by the secretary

Description: To establish a research, development, demonstration, and deployment program for purposes of commercialization to improve the efficiency, increase the durability, and reduce the cost of producing clean hydrogen using electrolyzers.

Eligible uses: (1) To demonstrate technologies that produce clean hydrogen using electrolyzers; and (2) to validate information on the cost, efficiency, durability, and feasibility of commercial deployment.

Federal cost share requirement: TBD

Statutory location: 40314



Carbon Capture Large-Scale Pilot Programs

Federal Agency: Department of Energy

Bureau or Account: Energy Programs

Funding amount: \$937,000,000

Period of availability: Available until expended

Funding mechanism: Cooperative Agreement

New program: Yes

Recipients: Technology Developers, Industry, Utilities, Universities, National Laboratories, Engineering and Construction firms, State, Tribal, and Local Governments, Environmental Groups, and Community Based Organizations.

Description: To establish a carbon capture technology program for the development of transformational technologies that will significantly improve the efficiency, effectiveness, costs, emissions reductions, and environmental performance of coal and natural gas use, including in manufacturing and industrial facilities.

Eligible uses: Pilot projects that—(A) represent the scale of technology development beyond laboratory development and bench scale testing, but not yet advanced to the point of being tested under real operational conditions at commercial scale; (B) represent the scale of technology necessary to gain the operational data needed to understand the technical and performance risks of the technology before the application of that technology at commercial scale or in commercial-scale demonstration; and (C) are large enough—(i) to validate scaling factors; and (ii) to demonstrate the interaction between major components so that control philosophies for a new process can be developed and enable the technology to advance from large-scale pilot project application to commercial-scale demonstration or application.

Federal cost share requirement: TBD

Statutory location: 41004



Advanced Energy Manufacturing and Recycling Grants

Federal Agency: Department of Energy

Bureau or Account: Energy Programs

Funding amount: \$750,000,000

Period of availability: Available until expended

Funding mechanism: Grant

New program: Yes

Recipients: Manufacturing firm with: (A) gross annual sales of less than \$100,000,000; (B) fewer than 500 employees at the plant site of the manufacturing firm; and (C) annual energy bills which total more than \$100,000 but less than \$2,500,000.

Description: To provide grants to small- and medium-sized manufacturers to enable them to build new or retrofit existing manufacturing and industrial facilities to produce or recycle advanced energy products in communities where coal mines or coal power plants have closed.

Eligible uses: To re-equip, expand, or establish a manufacturing or recycling facility for the production or recycling of advanced energy technologies (including clean electricity, industrial decarbonization, clean transportation, clean fuels, etc.); or to re-equip an industrial of manufacturing facility with equipment designed to reduce greenhouse gas emissions of that facility.

Federal cost share requirement: Not specified

Statutory location: 40209



Critical Material Innovation, Efficiency, And Alternatives

Federal Agency: Department of Energy

Bureau or Account: Energy Programs

Funding amount: \$600,000,000

Period of availability: Available until expended

Funding mechanism: Grant

New program: Yes

Recipients: Industry Partner

Description: To conduct a program of research, development, demonstration, and commercialization to develop alternatives to critical materials, to promote their efficient production and use, and ensure a long-term secure and sustainable supply of them.

Eligible uses: (A) Alternative materials, particularly materials available in abundance within the United States and not subject to potential supply restrictions, that lessen the need for critical materials; (B) alternative energy technologies or alternative designs of existing energy technologies; (C) technologies or process improvements that minimize the use and content, or lead to more efficient use, of critical materials across the full supply chain; (D) innovative technologies and practices to diversify commercially viable and sustainable domestic sources of critical materials; (E) technologies, process improvements, or design optimizations that facilitate the recycling of critical materials; (F) advanced critical material extraction, production, separation, alloying, or processing technologies that decrease the energy consumption, environmental impact, and costs of those activities; (G) commercial markets, advanced storage methods, energy applications, and other beneficial uses of critical materials; and (H) advanced theoretical, computational, and experimental tools necessary to support the crosscutting research and development needs of diverse critical minerals stakeholders.

Federal cost share requirement: TBD

Statutory location: 41003



Rehabilitation of High Hazard Potential Dams

Federal Agency: Department of Homeland Security

Bureau or Account: Federal Emergency Management Agency

Funding amount: \$585,000,000

Period of availability: Available until expended

Funding mechanism: Grant

New program: No

Recipients: States

Description: The Rehabilitation of High Hazard Potential Dams Grant Program makes available Federal funds to eligible States for pass through to non-Federal governmental organizations or nonprofit organizations for the rehabilitation of dams that fail to meet minimum dam safety standards and pose unacceptable risk to life and property.

Eligible uses: Eligible activities include repair, removal, or any other structural or nonstructural measures to rehabilitate an eligible high hazard potential dam. The Federal Emergency Management Agency's Rehabilitation of High Hazard Potential Dams grant program provides technical, planning, design, and construction assistance for eligible rehabilitation activities that reduce dam risk and increase community preparedness.

Federal cost share requirement:

Statutory location: Division J, Title V



Maintaining and Enhancing Hydroelectricity Incentives

Federal Agency: Department of Energy

Bureau or Account: Energy Programs

Funding amount: \$553,600,000

Period of availability: Available until expended

Funding mechanism: Incentive Payments

New program: Yes

Recipients: Non-Federal owners of qualified hydroelectric facilities

Description: To make incentive payments to the owners or operators of qualified hydroelectric facilities for capital improvements.

Eligible uses: Payments to Federal Energy Regulatory Commission (FERC)-licensed hydropower facilities for: (1) Improving grid resiliency; (2) improving dam safety to ensure acceptable performance under all loading conditions (including static, hydrologic, and seismic conditions); and (3) environmental improvements.

Federal cost share requirement: Not applicable

Statutory location: 40333

Note: This program was called 'Hydroelectric Incentives' in previous versions of this Guidebook.



Energy Efficiency and Conservation Block Grant Program

Federal Agency: Department of Energy

Bureau or Account: Energy Programs

Funding amount: \$550,000,000

Period of availability: Available until expended

Funding mechanism: Block and Competitive Grants

New program: Yes

Recipients: States, Local governments, and Tribes

Description: To assist States, local governments, and Tribes in implementing strategies to reduce energy use, reduce fossil fuel emissions, and improve energy efficiency.

Eligible uses: (1) Development and implementation of an energy efficiency and conservation strategy;

(2) retaining technical consultant services to assist the eligible entity in the development of such a strategy, including: (A) formulation of energy efficiency, energy conservation, and energy usage goals; (B) identification of strategies to achieve those goals — (i) through efforts to increase energy efficiency and reduce energy consumption; and (ii) by encouraging behavioral changes among the population served by the eligible entity; (C) development of methods to measure progress in achieving the goals; (D) development and publication of annual reports to the population served by the eligible entity describing — (i) the strategies and goals; and (ii) the progress made in achieving the strategies and goals during the preceding calendar year; and (E) other services to assist in the implementation of the energy efficiency and conservation strategy;

(3) conducting residential and commercial building energy audits;

(4) establishment of financial incentive programs for energy efficiency improvements;

(5) the provision of grants to nonprofit organizations and governmental agencies for the purpose of performing energy efficiency retrofits;

(6) development and implementation of energy efficiency and conservation programs for buildings and facilities within the jurisdiction of the eligible entity, including—(A) design and operation of the programs; (B) identifying the most effective methods for achieving maximum participation and efficiency rates; (C) public education; (D) measurement and verification protocols; and (E) identification of energy efficient technologies;

(7) development and implementation of programs to conserve energy used in transportation, including: (A) use of flex time by employers; (B) satellite work centers; (C) development and promotion of zoning guidelines or requirements that promote energy efficient development; (D) development of infrastructure, such as bike lanes and pathways and pedestrian walkways; (E) synchronization of traffic signals; and (F) other measures that increase energy efficiency and decrease energy consumption;



- (8) development and implementation of building codes and inspection services to promote building energy efficiency;
- (9) application and implementation of energy distribution technologies that significantly increase energy efficiency, including—(A) distributed resources; and (B) district heating and cooling systems;
- (10) activities to increase participation and efficiency rates for material conservation programs, including source reduction, recycling, and recycled content procurement programs that lead to increases in energy efficiency;
- (11) the purchase and implementation of technologies to reduce, capture, and, to the maximum extent practicable, use methane and other greenhouse gases generated by landfills or similar sources;
- (12) replacement of traffic signals and street lighting with energy efficient lighting technologies, including—(A) light emitting diodes; and (B) any other technology of equal or greater energy efficiency;
- (13) development, implementation, and installation on or in any government building of the eligible entity of onsite renewable energy technology that generates electricity from renewable resources, including—(A) solar energy; (B) wind energy; (C) fuel cells; and (D) biomass;
- (14) programs for financing energy efficiency, renewable energy, and zero-emission transportation (and associated infrastructure), capital investments, projects, and programs, which may include loan programs and performance contracting programs, for leveraging of additional public and private sector funds, and programs that allow rebates, grants, or other incentives for the purchase and installation of energy efficiency, renewable energy, and zero-emission transportation (and associated infrastructure) measures; and
- (15) any other appropriate activity, as determined by the Secretary, in consultation with— (A) the Administrator of the Environmental Protection Agency; (B) the Secretary of Transportation; and (C) the Secretary of Housing and Urban Development.

Federal cost share requirement: No non-Federal cost share required

Statutory location: 40552



Purchase of Power and Transmission Services

Federal Agency: Department of Energy

Bureau or Account: Power Marketing Administration

Funding amount: \$500,000,000

Period of availability: Available until expended

Funding mechanism: Federal Expenditure at Discretion of Western Area Power Administration Administrator

New program: No

Recipients: Power Generation and Wheeling Providers

Description: For the Western Area Power Administration to purchase power and transmission services.

Eligible uses: To purchase power and transmission services, recover purchase power and wheeling services, and transfer to the Colorado River Basins Power Marketing Fund.

Federal cost share requirement: N/A

Statutory location: Division J, Title III



State Energy Program

Federal Agency: Department of Energy

Bureau or Account: Energy Programs

Funding amount: \$500,000,000

Period of availability: Available until expended

Funding mechanism: Formula Grant

New program: No

Recipients: States

Description: To provide funding to States to support electric transmission and distribution planning as well as planning activities and programs that help reduce carbon emissions in all sectors of the economy, including the transportation sector and accelerate the use of alternative transportation fuels and vehicle electrification.

Eligible uses: Energy conservation measures, renewable energy measures, and programs to increase deployment of clean energy technologies in buildings, industry and transportation, including programs to help reduce carbon emissions in the transportation sector and accelerate the use of alternative transportation fuels for, and the electrification of, State government vehicles, fleet vehicles, taxis and ridesharing services, mass transit, school buses, ferries, and privately owned passenger and medium- and heavy-duty vehicles .

Federal cost share requirement: No non-Federal cost share required

Statutory location: 40109



Clean Hydrogen Manufacturing Recycling Research, Development, and Demonstration Program

Federal Agency: Department of Energy

Bureau or Account: Energy Programs

Funding amount: \$500,000,000

Period of availability: Available until expended

Funding mechanism: Grants, contracts, cooperative agreements, or any other agreements authorized under this Act or other Federal law

New program: Yes

Recipients: Nonprofit and for-profit private entities, institutions of higher education, national laboratories, consortia, State and local governments, Tribes and Tribal organizations, and other entities deemed eligible by the secretary

Description: To provide Federal financial assistance to advance new clean hydrogen production, processing, delivery, storage, and use equipment manufacturing technologies and techniques.

Eligible uses: (A) Increasing the efficiency and cost-effectiveness of the recovery of raw materials from clean hydrogen technology components and systems; (B) minimizing environmental impacts from the recovery and disposal processes; (C) addressing any barriers to the research, development, demonstration, and commercialization of technologies and processes for the disassembly and recycling; (D) developing alternative materials, designs, manufacturing processes, and other aspects of clean hydrogen technologies; (E) developing alternative disassembly and resource recovery processes that enable efficient, cost-effective, and environmentally responsible disassembly of and resource recovery from clean hydrogen technologies; and (F) developing strategies to increase consumer acceptance of and participation in the recycling of fuel cells.

Federal cost share requirement: TBD

Statutory location: 40314

Note: This program was called 'Clean Hydrogen Manufacturing Recycling' in previous versions of this Guidebook.



Industrial Emission Demonstration Projects

Federal Agency: Department of Energy

Bureau or Account: Energy Programs

Funding amount: \$500,000,000

Period of availability: Available until expended

Funding mechanism: Grant, Cooperative Agreement, or Other

New program: Yes

Recipients: Technology Developers, Industry, Manufacturers, Universities, National Laboratories, Engineering and Construction firms, State and Local Governments, Environmental Groups, and Community Based Organizations.

Description: To fund demonstration projects that test and validate technologies that reduce industrial emissions.

Eligible uses: Industrial production processes, including technologies and processes that (A) achieve emissions reduction in high emissions industrial materials production processes, including production processes for iron, steel, steel mill products, aluminum, cement, concrete, glass, pulp, paper, and industrial ceramics; (B) achieve emissions reduction in medium- and high-temperature heat generation; (C) achieve emissions reduction in chemical production processes, including by incorporating, if appropriate and practicable, principles, practices, and methodologies of sustainable chemistry and engineering; (D) leverage smart manufacturing technologies and principles, digital manufacturing technologies, and advanced data analytics to develop advanced technologies and practices in information, automation, monitoring, computation, sensing, modeling, and networking; (E) leverage the principles of sustainable manufacturing to minimize the potential negative environmental impacts of manufacturing while conserving energy and resources; (F) increase the energy efficiency of industrial processes

Federal cost share requirement: TBD

Statutory location: 41008



Grants for Energy Efficiency and Renewable Energy Improvements at Public School Facilities

Federal Agency: Department of Energy

Bureau or Account: Energy Programs

Funding amount: \$500,000,000

Period of availability: Available until expended

Funding mechanism: Grant

New program: Yes

Recipients: Consortia of one local education agency and one or more schools, non-profits, for-profits, and community partners

Description: To provide competitive grants to make energy efficiency, renewable energy, and alternative fueled vehicle upgrades and improvements at public schools.

Eligible uses: Energy efficiency (envelope, HVAC, lighting, controls, hot water, etc.), ventilation, renewable energy, alternative fuel vehicles, and alternative fuel vehicle infrastructure improvements.

Federal cost share requirement: TBD

Statutory location: 40541



Industrial Research and Assessment Center Implementation Grants

Federal Agency: Department of Energy

Bureau or Account: Energy Programs

Funding amount: \$400,000,000

Period of availability: Available until expended

Funding mechanism: Grant

New program: Yes

Recipients: Small- and medium-sized manufacturers

Description: To fund upgrades for small- and medium-sized manufacturers that have been recommended in an assessment from an Industrial Assessment Center, Combined Heat and Power Technical Assistance Partnership, or an approved third-party performing an equivalent assessment.

Eligible uses: For eligible small- and medium-sized manufacturers to (i) improve energy efficiency; material efficiency; cybersecurity; or productivity; or reduce waste production; greenhouse gas emissions; or non-greenhouse gas pollution.

Federal cost share requirement: 50 percent

Statutory location: 40521



Energy Storage Demonstration and Pilot Grant Program

Federal Agency: Department of Energy

Bureau or Account: Energy Programs

Funding amount: \$355,000,000

Period of availability: Available until expended

Funding mechanism: Grant, Cooperative Agreement, or Other

New program: Yes

Recipients: Technology Developers, Industry, State and Local Governments, Tribal Organizations, Community Based Organizations, National Laboratories, Universities, and Utilities.

Description: To enter into agreements to carry out 3 energy storage system demonstration projects.

Eligible uses: (i) To improve the security of critical infrastructure and emergency response systems. (ii) To improve the reliability of transmission and distribution systems, particularly in rural areas, including high-energy cost rural areas. (iii) To optimize transmission or distribution system operation and power quality to defer or avoid costs of replacing or upgrading electric grid infrastructure, including transformers and substations. (iv) To supply energy at peak periods of demand on the electric grid or during periods of significant variation of electric grid supply. (v) To reduce peak loads of homes and businesses. (vi) To improve and advance power conversion systems. (vii) To provide ancillary services for grid stability and management. (viii) To integrate renewable energy resource production. (ix) To increase the feasibility of microgrids (grid-connected or islanded mode). (x) To enable the use of stored energy in forms other than electricity to support the natural gas system and other industrial processes. (xi) To integrate fast charging of electric vehicles. (xii) To improve energy efficiency.

Federal cost share requirement: TBD

Statutory location: 41001

Note: This program was called 'Energy Storage Demonstration Pilot Grant Program' in previous versions of this Guidebook.



Earth Mapping Resources Initiative

Federal Agency: Department of the Interior
Bureau or Account: United States Geological Survey

Funding amount: \$320,000,000

Period of availability: Each fiscal year appropriated is available for obligation for 3 years. Funding will be received over a period of four years, with \$8.668 million in fiscal year 2022 and \$5 million in fiscal year 2023 through fiscal year 2025.

Funding mechanism: Cooperative Agreement, Direct Federal Spending

New program: No

Recipients: State Geological Surveys, Private Entities

Description: To accelerate the U.S. Geological Survey mapping mission by providing integrated topographic, geologic, geochemical, and geophysical mapping; accelerating the integration and consolidation of geospatial and resource data; and providing an interpretation of both critical mineral resources still in the ground and critical mineral resources that may be reprocessed from mine wastes.

Eligible uses: Cooperative agreements or contracts for mapping and data.

Federal cost share requirement: No non-Federal cost share required

Statutory location: 40201



Carbon Utilization Program

Federal Agency: Department of Energy

Bureau or Account: Energy Programs

Funding amount: \$310,140,781

Period of availability: Available until expended

Funding mechanism: Grant

New program: Yes

Recipients: State and local governments, Public Utilities

Description: To establish a grant program for State and local governments to procure and use products derived from captured carbon oxides.

Eligible uses: An eligible entity shall use a grant received under this paragraph to procure and use commercial or industrial products that: (i) use or are derived from anthropogenic carbon oxides; and (ii) demonstrate significant net reductions in lifecycle greenhouse gas emissions compared to incumbent technologies, processes, and products.

Federal cost share requirement: TBD

Statutory location: 40302



Assisting Federal Facilities with Energy Conservation Technologies Grant Program

Federal Agency: Department of Energy

Bureau or Account: Energy Programs

Funding amount: \$250,000,000

Period of availability: Available until expended

Funding mechanism: Grant

New program: No

Recipients: Federal Agencies

Description: To provide grants to Federal agencies that they can leverage with private capital to make energy and water efficiency upgrades to Federal buildings.

Eligible uses: To aid Federal agencies in meeting energy and water use requirements to improve sustainability.

Federal cost share requirement: No non-Federal cost share required

Statutory location: 40554

Note: This program was called 'Assisting Federal Facilities with Conservation Technologies' in previous versions of this Guidebook.



Energy Efficiency Revolving Loan Fund Capitalization Grant Program

Federal Agency: Department of Energy

Bureau or Account: Energy Programs

Funding amount: \$250,000,000

Period of availability: Available until expended

Funding mechanism: Formula Grant

New program: Yes

Recipients: States

Description: To provide capitalization grants to States to establish a revolving loan fund under which the State shall provide loans and grants for energy efficiency audits, upgrades, and retrofits to increase energy efficiency and improve the comfort of buildings.

Eligible uses: Residential and commercial energy audits, upgrades, and retrofits.

Federal cost share requirement: No non-Federal cost share required

Statutory location: 40502



Cost-effective Codes Implementation for Efficiency and Resilience

Federal Agency: Department of Energy

Bureau or Account: Energy Programs

Funding amount: \$225,000,000

Period of availability: Available until expended

Funding mechanism: Grant

New program: Yes

Recipients: States and State partnerships

Description: A competitive grant program to enable sustained, cost-effective implementation of updated building energy codes to save customers money on their energy bills.

Eligible uses: (A) To create or enable State or regional partnerships to provide training and materials to—(i) builders, contractors and subcontractors, architects, and other design and construction professionals, relating to meeting updated building energy codes in a cost-effective manner; and (ii) building code officials, relating to improving implementation of and compliance with building energy codes; (B) to collect and disseminate quantitative data on construction and codes implementation, including code pathways, performance metrics, and technologies used; (C) to develop and implement a plan for highly effective codes implementation, including measuring compliance; (D) to address various implementation needs in rural, suburban, and urban areas; and (E) to implement updates in energy codes for — (i) new residential and commercial buildings (including multifamily buildings); and (ii) additions and alterations to existing residential and commercial buildings (including multifamily buildings).

Federal cost share requirement:

Statutory location: 40511

Note: This program was called 'Building Codes Implementation for Efficiency and Resilience' in previous versions of this Guidebook.



National Dam Safety Program

Federal Agency: Department of Homeland Security

Bureau or Account: Federal Emergency Management Agency

Funding amount: \$215,000,000 (*\$148,000,000 for States, plus \$67,000,000 for program operations.*)

Period of availability: \$148,000,000 available until expended; \$67,000,000 available until September 30, 2026

Funding mechanism: Grant, Direct Federal Spending.

New program: No

Recipients: States

Description: To encourage the establishment and maintenance of effective State programs intended to ensure dam safety, to protect human life and property, and to improve State dam safety programs. The National Dam Safety Program is a partnership of States, Federal agencies and other stakeholders to encourage and promote the establishment and maintenance of effective Federal and State dam safety programs to reduce the risk to human life and property.

Eligible uses: Eligible activities are those that 1) Reduce risks to life and property associated with dams; 2) Increase awareness of the risks associated with dams and the benefit of State dam safety programs; and 3) Advance the State of practice of dam safety and dam risk management. Examples include conducting dam safety inspections, performing condition assessments of dams, development of Emergency Action Plans, implementing regulatory enforcement actions, conducting public awareness and outreach activities, and professional development for dam safety officials and dam owners.

Federal cost share requirement:

Statutory location: Division J, Title V



Energy and Minerals Research Facility

Federal Agency: Department of the Interior
Bureau or Account: United States Geological Survey

Funding amount: \$167,000,000

Period of availability: Available until expended

Funding mechanism: Cooperative Agreement, Direct Federal Spending

New program: No

Recipients: State Academic Institutions

Description: For design, construction and tenant build out of a facility to support energy and minerals research and associated structures, through a cooperative agreement with an academic partner. The new building will establish a center of excellence in minerals and energy science and provide opportunities for science collaboration that will leverage U.S. Geological Survey science; support the development of science, technology, engineering and mathematics talent by engaging students in U.S. Geological Survey science; and expand the diversity of the U.S. Geological Survey workforce.

Eligible uses: For design, construction, and tenant build out of a new Federally owned facility.

Federal cost share requirement: No non-Federal cost share required

Statutory location: 40204



Industrial Research and Assessment Centers

Federal Agency: Department of Energy

Bureau or Account: Energy Programs

Funding amount: \$150,000,000

Period of availability: Available until expended

Funding mechanism: Grant

New program: No

Recipients: Institutions of Higher Education, Community College, Trade School, Or Union Training Program

Description: To provide funding for institutions of higher education-based industrial research and assessment centers to identify opportunities for optimizing energy efficiency and environmental performance at manufacturing and other industrial facilities.

Eligible uses: To provide in-depth assessments of small- and medium-sized manufacturing plant sites to evaluate the facilities, services, and manufacturing operations of the plant sites; to identify opportunities for optimizing energy efficiency and environmental performance, including implementation of— (i) smart manufacturing; (ii) energy management systems; (iii) sustainable manufacturing; (iv) information technology advancements for supply chain analysis, logistics, system monitoring, industrial and manufacturing processes, and other purposes; and (v) waste management systems; to promote applications of emerging concepts and technologies in small- and medium-sized manufacturers (including water and wastewater treatment facilities and Federally owned manufacturing facilities); to promote research and development for the use of alternative energy sources to supply heat, power, and new feedstocks for energy-intensive industries; to coordinate with appropriate Federal and State research offices; to provide a clearinghouse for industrial process and energy efficiency technical assistance resources; and to coordinate with State-accredited technical training centers and community colleges, while ensuring appropriate services to all regions of the United States.

Federal cost share requirement: none specified

Statutory location: 40521



Long-Duration Energy Storage Demonstration Initiative and Joint Program

Federal Agency: Department of Energy

Bureau or Account: Energy Programs

Funding amount: \$150,000,000

Period of availability: Available until expended

Funding mechanism: Grant, Cooperative Agreement, or Other

New program: Yes

Recipients: Technology Developers, Industry, State and Local Governments, Tribal Organizations, Community Based Organizations, National Laboratories, Universities, and Utilities

Description: To establish a demonstration initiative composed of demonstration projects focused on the development of long-duration energy storage technologies.

Eligible uses: Projects that -- (i) demonstrate promising long-duration energy storage technologies at different scales; and (ii) help new, innovative long-duration energy storage technologies become commercially viable.

Federal cost share requirement: TBD

Statutory location: 41001



Rare Earth Elements Demonstration Facility

Federal Agency: Department of Energy

Bureau or Account: Energy Programs

Funding amount: \$140,000,000

Period of availability: Available until expended

Funding mechanism: Grant

New program: Yes

Recipients: Industry Partner

Description: To demonstrate the feasibility of a full-scale integrated rare earth element extraction and separation facility and refinery.

Eligible uses: The facility established shall: (A) provide environmental benefits through use of feedstock derived from acid mine drainage, mine waste, or other deleterious material; (B) separate mixed rare earth oxides into pure oxides of each rare earth element; (C) refine rare earth oxides into rare earth metals; and (D) provide for separation of rare earth oxides and refining into rare earth metals at a single site.

Federal cost share requirement:

Statutory location: 40205



Rare Earth Security Activities

Federal Agency: Department of Energy

Bureau or Account: Energy Programs

Funding amount: \$127,000,000

Period of availability: Available until expended

Funding mechanism: Grant

New program: Yes

Recipients: Industry Partner

Description: To conduct a program of research and development to improve the security of rare earth elements.

Eligible uses: (A) To develop and assess advanced separation technologies for the extraction and recovery of rare earth elements and other critical materials from coal and coal byproducts; and (B) To determine if there are, and mitigate, any potential environmental or public health impacts that could arise from the recovery of rare earth elements from coal-based resources.

Federal cost share requirement: TBD

Statutory location: 41003



Battery and Critical Mineral Recycling

Federal Agency: Department of Energy

Bureau or Account: Energy Programs

Funding amount: \$125,000,000

Period of availability: Available until expended

Funding mechanism: Grants

New program: Yes

Recipients: (i) An institution of higher education; (ii) a National Laboratory; (iii) a Federal research agency; (iv) a State research agency; (v) a nonprofit organization; (vi) an industrial entity; (vii) a manufacturing entity; (viii) a private battery-collection entity; (ix) an entity operating one or more battery recycling activities; (x) a State or municipal government entity; (xi) a battery producer; (xii) a battery retailer; or (xiii) a consortium of two or more entities described in (i) through (xii).

Description: To award grants for research, development, and demonstration projects to create innovative and practical approaches to increase the reuse and recycling of batteries.

Eligible uses: Research, development, and demonstration to address (i) recycling activities; (ii) the development of methods to promote the design and production of batteries that take into full account and facilitate the dismantling, reuse, recovery, and recycling of battery components and materials; (iii) strategies to increase consumer acceptance of, and participation in, the recycling of batteries; (iv) the extraction or recovery of critical minerals from batteries that are recycled; (v) the integration of increased quantities of recycled critical minerals in batteries and other products to develop markets for recycled battery materials and critical minerals; (vi) safe disposal of waste materials and components recovered during the recycling process; (vii) the protection of the health and safety of all persons involved in, or in proximity to, recycling and reprocessing activities, including communities located near recycling and materials reprocessing facilities; (viii) mitigation of environmental impacts that arise from recycling batteries, including disposal of toxic reagents and byproducts related to recycling processes; (ix) protection of data privacy associated with collected covered battery-containing products; (x) the optimization of the value of material derived from recycling batteries; and (xi) the cost-effectiveness and benefits of the reuse and recycling of batteries and critical minerals.

Federal cost share requirement: ≥20 percent of the total project cost

Statutory location: 40207



Hydroelectric Production Incentives

Federal Agency: Department of Energy

Bureau or Account: Energy Programs

Funding amount: \$125,000,000

Period of availability: Available until expended

Funding mechanism: Incentive Payment

New program: No

Recipients: Non-Federal owners of qualified hydroelectric or marine energy facilities

Description: Provides incentive payments for electric energy generated and sold by a qualified hydroelectric facility during the incentive period, to the owner or authorized operator of such a facility. Incentive payments for qualified facilities are based on the number of kilowatt-hours (kWh) generated in calendar year which Department of Energy determines, at a rate of 1.8 cents/kWh with a total ceiling of \$1 million per facility

Eligible uses: Incentive payments are provided based on determination of a qualified facility. A qualified hydroelectric facility is a hydroelectric generation facility that:

- is located in a State or in U.S. jurisdictional waters;
 - has a water-powered turbine or other generating device (including conventional or new and innovative technologies capable of continuous operation);
 - is owned or solely operated by a non-Federal entity;
 - began producing hydroelectric energy for sale on or after October 1, 2005; and
- that either:
- added generation capability, excluding maintenance, through the incorporation of new equipment, refurbished equipment, or both to an existing dam or conduit that was completed before November 15, 2021;
- or,
- has a generating capacity of not more than 20 megawatts;
 - for which the non-Federal entity has received a construction authorization from the Federal Energy Regulatory Commission, if applicable; and
 - that is constructed in an area in which there is inadequate electric service.

Federal cost share requirement: Not applicable

Statutory location: 40331



Watershed Rehabilitation Program

Federal Agency: Department of Agriculture

Bureau or Account: Natural Resources Conservation Service

Funding amount: \$118,000,000

Period of availability: Available until expended

Funding mechanism: Technical and Financial Assistance

New program: No

Recipients: Local Sponsor or Legal Subdivision of State or Tribal Government. Eligible Sponsors include cities, counties, towns, conservation districts, or any Federally-recognized Tribe or Tribal Organization.

Description: Provides planning, design and construction for Department of Agriculture assisted dams to extend their service life and meet current safety requirements.

Eligible uses: Rehabilitate high hazard watershed dams previously installed under the following four authorities: PL 83-566, PL 78-534, RC&D, Pilot Program.

Federal cost share requirement: 65/35. Waivers are not available.

Statutory location: Division J, Title I



Front-End Engineering and Design Program Out Activities Under Carbon Capture Tech Program 962 Of EPA (Sec 40303)

Federal Agency: Department of Energy

Bureau or Account: Energy Programs

Funding amount: \$100,000,000

Period of availability: Available until expended

Funding mechanism: Cooperative Agreement

New program: Yes

Recipients: Industry Partner

Description: Expands the Department of Energy's Carbon Capture Technology program to include a program for carbon dioxide transport infrastructure necessary to deploy Carbon Capture Utilization and Storage technologies.

Eligible uses: Front-end engineering and design program for carbon dioxide transport infrastructure necessary to enable deployment of carbon capture, utilization, and storage technologies.

Federal cost share requirement: TBD

Statutory location: 40303



Commercial Direct Air Capture Technology Prize Competition

Federal Agency: Department of Energy

Bureau or Account: Energy Programs

Funding amount: \$100,000,000

Period of availability: Available until expended

Funding mechanism: Prize

New program: Yes

Recipients: Industry Partner

Description: Reauthorization of program to support large-scale pilot projects and demonstration projects and test carbon capture technologies.

Eligible uses: Projects that advance the technical and commercial viability of technologies that result in net removal of CO₂ from the atmosphere.

Federal cost share requirement: TBD

Statutory location: 41005



Enhanced Geothermal Systems and Pilot Demonstrations

Federal Agency: Department of Energy

Bureau or Account: Energy Programs

Funding amount: \$84,000,000

Period of availability: Available until expended

Funding mechanism: Cooperative Agreement

New program: Yes

Recipients: Industry, National Labs, institutes of higher education, multi-institutional collaborations, Tribes, and local communities

Description: To support a program of research, development, demonstration, and commercial application for enhanced geothermal systems.

Eligible uses: Four pilot demonstration projects to be carried out in locations that are potentially commercially viable for enhanced geothermal systems development, while also considering environmental impacts to the maximum extent practicable, as determined by the Secretary.

Demonstration projects will collectively demonstrate different geologic settings, a variety of development techniques, and to the extent practicable will use existing sites where subsurface characterization or geothermal energy integration analysis has been conducted.

Federal cost share requirement: TBD

Statutory location: 41007

Note: This program was called 'Geothermal Research & Development' in previous versions of this Guidebook.



Section 243 Hydroelectric Efficiency Improvement Incentives (Sec 40332)

Federal Agency: Department of Energy

Bureau or Account: Energy Programs

Funding amount: \$75,000,000

Period of availability: Available until expended

Funding mechanism: Incentive payment

New program: Yes

Recipients: Owners or operators of hydroelectric facilities at existing dams

Description: To incentivize upgrades to hydroelectric facilities to increase their efficiency.

Eligible uses: Capital improvements to hydroelectric facilities at existing dams to improve the efficiency of such facilities by at least 3 percent. Maximum percentage of Federal funds going to the capital improvement is 30 percent with a total cap of \$5 million per facility.

Federal cost share requirement: Not applicable

Statutory location: 40332



Critical Material Supply Chain Research Facility

Federal Agency: Department of Energy

Bureau or Account: Energy Programs

Funding amount: \$75,000,000

Period of availability: Available until expended

Funding mechanism: Contract

New program: Yes

Recipients: Industry partner

Description: To support construction of a Critical Materials Supply Chain Research Facility.

Eligible uses: (A) Further enable research, development, demonstration, and commercialization activities throughout the supply chain for critical materials; and (B) Provide an integrated, rapidly reconfigurable research platform.

Federal cost share requirement: TBD

Statutory location: 41003



Marine Energy Research, Development, and Demonstration

Federal Agency: Department of Energy

Bureau or Account: Energy Programs

Funding amount: \$70,400,000

Period of availability: Available until expended

Funding mechanism: TBD

New program: No

Recipients: Industry, National Labs, academia, other

Description: To fund research, development, and demonstration activities to improve marine energy technologies.

Eligible uses: (1) Assist technology development to improve the components, processes, and systems used for power generation from marine energy resources at a variety of scales;

(2) establish and expand critical testing infrastructure and facilities necessary to: (A) demonstrate and prove marine energy devices at a range of scales in a manner that is cost-effective and efficient; and (B) accelerate the technological readiness and commercial application of such devices;

(3) address marine energy resource variability issues, including through the application of energy storage technologies;

(4) advance efficient and reliable integration of marine energy with the electric grid, which may include smart building systems;

(5) identify and study critical short-term and long-term needs to maintaining a sustainable marine energy supply chain based in the United States;

(6) increase the reliability, security, and resilience of marine energy technologies;

(7) validate the performance, reliability, maintainability, and cost of marine energy device designs and system components in an operating environment;

(8) consider the protection of critical infrastructure, such as adequate separation between marine energy devices and submarine telecommunications cables, including through the development of voluntary, consensus-based standards for such purposes;

(9) identify opportunities for crosscutting research, development, and demonstration programs between existing energy research programs;

(10) identify and improve, in conjunction with the Secretary of Commerce, acting through the Under Secretary of Commerce for Oceans and Atmosphere, and other relevant Federal agencies as appropriate, the environmental impact, including potential cumulative environmental impacts, of marine energy technologies, including: (A) potential impacts on fisheries and other marine resources and (B) developing technologies, including mechanisms for self-evaluation, and other means available for improving environmental impact, including potential cumulative environmental impacts;



- (11) identify, in consultation with relevant Federal agencies, potential navigational impacts of marine energy technologies and strategies to prevent possible adverse impacts, in addition to opportunities for marine energy systems to aid the United States Coast Guard, such as remote sensing for coastal border security;
- (12) develop numerical and physical tools, including models and monitoring technologies, to assist industry in device and system design, installation, operation, and maintenance, including methods to validate such tools;
- (13) support materials science as it relates to marine energy technology, such as the development of corrosive-resistant materials;
- (14) improve marine energy resource forecasting and general understanding of aquatic system behavior, including turbulence and extreme conditions;
- (15) develop metrics and voluntary, consensus-based standards, in coordination with the National Institute of Standards and Technology and appropriate standard development organizations, for marine energy components, systems, and projects, including: (A) measuring performance of marine energy technologies and (B) characterizing environmental conditions;
- (16) enhance integration with hybrid energy systems, including desalination;
- (17) identify opportunities to integrate marine energy technologies into new and existing infrastructure; and
- (18) to develop technology necessary to support the use of marine energy— (A) for the generation and storage of power at sea; and (B) for the generation and storage of power to promote the resilience of coastal communities, including in applications relating to— (i) desalination; (ii) disaster recovery and resilience; and (iii) community microgrids in isolated power systems.

Federal cost share requirement: TBD

Statutory location: 41006



Wind Energy Technology Program

Federal Agency: Department of Energy

Bureau or Account: Energy Programs

Funding amount: \$60,000,000

Period of availability: Available until expended

Funding mechanism: Cooperative Agreement

New program: No

Recipients: (A) An institution of higher education; (B) A National Laboratory; (C) A Federal research agency; (D) A State research agency; (E) A research agency associated with a territory or freely associated State; (F) a Tribal energy development organization; (G) a Tribe; (H) a Tribal organization; (I) a Native Hawaiian community-based organization; (J) a nonprofit research organization; (K) an industrial entity; (L) any other entity, as determined by the Secretary; and (M) a consortium of 2 or more entities described in subparagraphs (A) through (L).

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

Eligible uses: Research, development, demonstration, and commercialization activities to improve wind energy technologies, including: (i) awarding grants and awards, on a competitive, merit-reviewed basis; (ii) performing precompetitive research and development; (iii) establishing or maintaining demonstration facilities and projects, including through stewardship of existing facilities such as the National Wind Test Center; (iv) providing technical assistance; (v) entering into contracts and cooperative agreements; (vi) providing small business vouchers; (vii) establishing prize competitions; (viii) conducting education and outreach activities; (ix) conducting professional development activities; and (x) conducting analyses, studies, and reports.

Federal cost share requirement: TBD

Statutory location: 41007



Energy Efficiency Materials Pilot Program

Federal Agency: Department of Energy

Bureau or Account: Energy Programs

Funding amount: \$50,000,000

Period of availability: Available until expended

Funding mechanism: Grant

New program: Yes

Recipients: Non-Profit Organizations

Description: To provide grants to supply nonprofit buildings with energy-efficiency materials.

Eligible uses: To provide non-profits with energy efficiency materials including (i) a roof or lighting system or component of the system; (ii) a window; (iii) a door, including a security door; and (iv) a heating, ventilation, or air conditioning system or component of the system (including insulation and wiring and plumbing improvements needed to serve a more efficient system).

Federal cost share requirement: TBD

Statutory location: 40542



Energy Auditor Training Grant Program

Federal Agency: Department of Energy

Bureau or Account: Energy Programs

Funding amount: \$40,000,000

Period of availability: Available until expended

Funding mechanism: Grant

New program: Yes

Recipients: States

Description: To provide grants to eligible States to train individuals to conduct energy audits or surveys of commercial and residential buildings to build the clean energy workforce, save customers money on their energy bills, and reduce pollution from building energy use.

Eligible uses: (A) To cover any cost associated with individuals being trained or certified to conduct energy audits by: (i) the State or (ii) a State-certified third-party training program; and (B) to pay the wages of a trainee during the period in which the trainee receives training and certification.

Federal cost share requirement: No non-Federal cost share required

Statutory location: 40503



Solar Energy Research and Development

Federal Agency: Department of Energy

Bureau or Account: Energy Programs

Funding amount: \$40,000,000

Period of availability: Available until expended

Funding mechanism: Cooperative Agreement

New program: No

Recipients: (A) An institution of higher education; (B) A National Laboratory; (C) A Federal research agency; (D) A State research agency; (E) A research agency associated with a territory or freely associated State; (F) a Tribal energy development organization; (G) a Tribe; (H) a Tribal organization; (I) a Native Hawaiian community-based organization; (J) a nonprofit research organization; (K) an industrial entity; (L) any other entity, as determined by the Secretary; and (M) a consortium of 2 or more entities described in subparagraphs (A) through (L).

Description: To fund research, development, demonstration, and commercialization activities to improve solar energy technologies.

Eligible uses: Research, development, demonstration, and commercialization activities, including: (i) awarding grants and awards, on a competitive, merit-reviewed basis; (ii) performing precompetitive research and development; (iii) establishing or maintaining demonstration facilities and projects, including through stewardship of existing facilities; (iv) providing technical assistance; (v) entering into contracts and cooperative agreements; (vi) providing small business vouchers; (vii) establishing prize competitions; (viii) conducting education and outreach activities; (ix) conducting workforce development activities; and (x) conducting analyses, studies, and reports.

Federal cost share requirement: TBD

Statutory location: 41007

Note: This program was called 'Solar Improvement Research & Development' in previous versions of this Guidebook.



Wind Energy Tech Recycling Research & Development

Federal Agency: Department of Energy

Bureau or Account: Energy Programs

Funding amount: \$40,000,000

Period of availability: Available until expended

Funding mechanism: Cooperative Agreement

New program: Yes

Recipients: (A) An institution of higher education; (B) a National Laboratory; (C) a Federal research agency; (D) a State research agency; (E) a research agency associated with a territory or freely associated State; (F) a Tribal energy development organization; (G) a Tribe; (H) a Tribal organization; (I) a Native Hawaiian community-based organization; (J) a nonprofit research organization; (K) an industrial entity; (L) any other entity, as determined by the Secretary; and (M) a consortium of two or more entities described in subparagraphs (A) through (L).

Description: To award financial assistance to eligible entities for research, development, and demonstration, and commercialization projects to create innovative and practical approaches to increase the reuse and recycling of wind energy technologies

Eligible uses: (i) Increasing the efficiency and cost effectiveness of the recovery of raw materials from wind energy technology components and systems, including enabling technologies such as inverters;
(ii) minimizing potential environmental impacts from the recovery and disposal processes;
(iii) advancing technologies and processes for the disassembly and recycling of wind energy devices;
(iv) developing alternative materials, designs, manufacturing processes, and other aspects of wind energy technologies and the disassembly and resource recovery process that enable efficient, cost effective, and environmentally responsible disassembly of, and resource recovery from, wind energy technologies; and
(v) strategies to increase consumer acceptance of, and participation in, the recycling of wind energy technologies.

Federal cost share requirement: TBD

Statutory location: 41007



National Marine Energy Centers

Federal Agency: Department of Energy

Bureau or Account: Energy Programs

Funding amount: \$40,000,000

Period of availability: Available until expended

Funding mechanism: TBD

New program: No

Recipients: Institutions of higher education or consortia

Description: To provide financial assistance for the establishment of new National Marine Energy Centers and the continuation and expansion of the research, development, demonstration, testing, and commercial application activities at the existing Centers.

Eligible uses: (1) Advance research, development, demonstration, and commercial application of marine energy technologies in response to industry and commercial needs; (2) support in-water testing and demonstration of marine energy technologies, including facilities capable of testing— (A) marine energy systems of various technology readiness levels and scales; (B) a variety of technologies in multiple test berths at a single location; (C) arrays of technology devices; and (D) interconnectivity to an electrical grid, including microgrids; and (3) collect and disseminate information on best practices in all areas relating to developing and managing marine energy resources and energy systems.

Federal cost share requirement: TBD

Statutory location: 41006



Hydropower Research, Development, and Demonstration

Federal Agency: Department of Energy

Bureau or Account: Energy Programs

Funding amount: \$36,000,000

Period of availability: Available until expended

Funding mechanism: TBD

New program: No

Recipients: Industry, National Labs, academia, other

Description: To fund research, development, and demonstration activities to improve hydropower technologies.

Eligible uses: Research, development, demonstration, and commercial application for technologies that improve the capacity, efficiency, resilience, security, reliability, affordability, and environmental impact, including potential cumulative environmental impacts, of hydropower systems.

Federal cost share requirement: N/A

Statutory location: 41006



Solar Recycling Research & Development

Federal Agency: Department of Energy

Bureau or Account: Energy Programs

Funding amount: \$20,000,000

Period of availability: Available until expended

Funding mechanism: Cooperative Agreements and Management and Operating Contracts at National Laboratories

New program: Yes

Recipients: (A) An institution of higher education; (B) a National Laboratory; (C) a Federal research agency; (D) a State research agency; (E) a research agency associated with a territory or freely associated State; (F) a Tribal energy development organization; (G) a Tribe; (H) a Tribal organization; (I) a Native Hawaiian community-based organization; (J) a nonprofit research organization; (K) an industrial entity; (L) any other entity, as determined by the Secretary; and (M) a consortium of two or more entities described in (A) through (L).

Description: To award financial assistance to eligible entities for research, development, demonstration, and commercialization projects to create innovative and practical approaches to increase the reuse and recycling of solar energy technologies.

Eligible uses: Projects aimed at increasing the reuse and recycling of solar energy technologies, including: (i) increasing the efficiency and cost effectiveness of the recovery of raw materials from solar energy technology components and systems, including enabling technologies such as inverters; (ii) minimizing potential environmental impacts from the recovery and disposal processes; (iii) advancing technologies and processes for the disassembly and recycling of solar energy devices; (iv) developing alternative materials, designs, manufacturing processes, and other aspects of solar energy technologies and the disassembly and resource recovery process that enable efficient, cost effective, and environmentally responsible disassembly of, and resource recovery from, solar energy technologies; and (v) strategies to increase consumer acceptance of, and participation in, the recycling of photovoltaic devices.

Federal cost share requirement: TBD

Statutory location: 41007



New Solar Research & Development

Federal Agency: Department of Energy

Bureau or Account: Energy Programs

Funding amount: \$20,000,000

Period of availability: Available until expended

Funding mechanism: Cooperative Agreement

New program: Yes

Recipients: (A) An institution of higher education; (B) a National Laboratory; (C) a Federal research agency; (D) a State research agency; (E) a research agency associated with a territory or freely associated State; (F) a Tribal energy development organization; (G) a Tribe; (H) a Tribal organization; (I) a Native Hawaiian community-based organization; (J) a nonprofit research organization; (K) an industrial entity; (L) any other entity, as determined by the Secretary; and (M) a consortium of two or more entities described in (A) through (L).

Description: To award financial assistance to eligible entities for research, development, demonstration, and commercialization projects to advance new solar energy manufacturing technologies and techniques.

Eligible uses: Solar energy manufacturing projects that—

(i) increase efficiency and cost effectiveness in—

(I) the manufacturing process; and

(II) the use of resources, such as energy, water, and critical materials;

(ii) support domestic supply chains for materials and components;

(iii) identify and incorporate nonhazardous alternative materials for components and devices;

(iv) operate in partnership with Tribal energy development organizations, Tribes, Tribal organizations, Native Hawaiian community-based organizations, minority-serving institutions, or territories or freely associated States; or

(v) are located in economically distressed areas."

Federal cost share requirement: TBD

Statutory location: 41007



Pre-Commercial Direct Air Capture Prize Competitions

Federal Agency: Department of Energy

Bureau or Account: Energy Programs

Funding amount: \$15,000,000

Period of availability: Available until expended

Funding mechanism: Prize

New program: Yes

Recipients: Industry Partner

Description: Reauthorization of program to advance research, development, demonstration, and commercial application of carbon capture technologies.

Eligible uses: Projects that advance the technical and commercial viability of technologies that result in net removal of CO₂ from the atmosphere.

Federal cost share requirement: TBD

Statutory location: 41005



Pumped Storage Hydropower Wind and Solar Integration and System Reliability Initiative

Federal Agency: Department of Energy

Bureau or Account: Energy Programs

Funding amount: \$10,000,000

Period of availability: \$2 million per year for each of fiscal years 2022 through 2026.

Funding mechanism: Cooperative Agreement

New program: Yes

Recipients: Electric utilities, State Energy Offices, Tribes, Institutes of Higher Education, or consortium thereof

Description: To provide financial assistance to eligible entities to carry out project design, transmission studies, power market assessments, and permitting for a pumped storage hydropower project to facilitate the long-duration storage of intermittent renewable electricity.

Eligible uses: To be eligible for financial assistance, a project shall—(i) be designed to provide not less than 1,000 megawatts of storage capacity;(ii) be able to provide energy and capacity for use in more than 1 organized electricity market;(iii) be able to store electricity generated by intermittent renewable electricity projects located on Tribal land; and (iv) have received a preliminary permit from the Federal Energy Regulatory Commission.

Federal cost share requirement: Matching funds equal to or greater than the amount of financial assistance provided.

Statutory location: 40334



Extended Product System Rebates

Federal Agency: Department of Energy

Bureau or Account: Energy Programs

Funding amount: \$10,000,000

Period of availability: Available until expended

Funding mechanism: Rebate/Grant

New program: Yes

Recipients: Purchaser of the qualified extended product system or manufacturer of commercial or industrial machinery or equipment that incorporates the qualified extended product system

Description: To provide rebates for qualified extended product systems (i.e., electric motor, electronic control, and driven load).

Eligible uses: Rebate for expenditures made by qualified entities for the purchase or installation of a qualified extended product system.

Federal cost share requirement: No non-Federal cost share required

Statutory location: 40555



Energy Efficient Transformer Rebates

Federal Agency: Department of Energy

Bureau or Account: Energy Programs

Funding amount: \$10,000,000

Period of availability: Available until expended

Funding mechanism: Rebate/Grant

New program: Yes

Recipients: Owners of industrial or manufacturing facilities, commercial buildings, or multifamily residential buildings, a utility, or an energy service company that purchase a qualified transformer to replace an energy-inefficient transformer

Description: To provide rebates to industrial or manufacturing facility owners, commercial building owners, multifamily building owners, utilities, or energy service companies for the replacement of a qualified energy inefficient transformer with a qualified energy efficient transformer.

Eligible uses: Rebate for the replacement of a qualified energy inefficient transformer with a qualified energy efficient transformer.

Federal cost share requirement: No non-Federal cost share required

Statutory location: 40555



Lithium-Ion Recycling Prize

Federal Agency: Department of Energy

Bureau or Account: Energy Programs

Funding amount: \$10,000,000

Period of availability: Available until expended

Funding mechanism: Prize

New program: Yes

Recipients: Prize dependent

Description: To provide a prize for recycling of lithium ion batteries and convene a task force on battery producer requirements.

Eligible uses: (i) To increase the number of winners of Phase III of the prize competition; (ii) to increase the amount awarded to each winner of Phase III of the competition; and (iii) to carry out any other activity that is consistent with the goals of Phase III of the competition, as determined by the Secretary.

Federal cost share requirement: Not applicable

Statutory location: 40207



Career Skills Training

Federal Agency: Department of Energy

Bureau or Account: Energy Programs

Funding amount: \$10,000,000

Period of availability: Available until expended

Funding mechanism: Grant

New program: Yes

Recipients: Non-Profit Partnerships

Description: To provide grants to pay the Federal share of career skills training programs under which students concurrently receive classroom instruction and on-the-job training for the purpose of obtaining an industry-related certification to install energy efficient building technologies.

Eligible uses: To pay the Federal share of associated career skills training programs under which students concurrently receive classroom instruction and on-the-job training for the purpose of obtaining an industry-related certification to install energy efficient buildings technologies.

Federal cost share requirement: TBD

Statutory location: 40513



Building, Training, And Assessment Centers

Federal Agency: Department of Energy

Bureau or Account: Energy Programs

Funding amount: \$10,000,000

Period of availability: Available until expended

Funding mechanism: Cooperative Agreement

New program: Yes

Recipients: Institutions of Higher Education

Description: To provide grants to institutions of higher education to establish building training and assessment centers to educate and train building technicians and engineers on implementing modern building technologies.

Eligible uses: (1) To identify opportunities for optimizing energy efficiency and environmental performance in buildings; (2) to promote the application of emerging concepts and technologies in commercial and institutional buildings; (3) to train engineers, architects, building scientists, building energy permitting and enforcement officials, and building technicians in energy-efficient design and operation; (4) to assist institutions of higher education and Tribal Colleges or Universities in training building technicians; (5) to promote research and development for the use of alternative energy sources and distributed generation to supply heat and power for buildings, particularly energy-intensive buildings; and (6) to coordinate with and assist State-accredited technical training centers, community colleges, Tribal Colleges or Universities, and local offices of the National Institute of Food and Agriculture and ensure appropriate services are provided under this section to each region of the United States.

Federal cost share requirement: TBD

Statutory location: 40512



Capital Improvement and Maintenance for Dams

Federal Agency: Department of Agriculture

Bureau or Account: Forest Service

Funding amount: \$10,000,000

Period of availability: Each annual tranche has a 4-yr period of availability

Funding mechanism: Direct Federal Spending

New program: No

Recipients: Forest Service Funding

Description: This program administers an extensive transportation network that is vital to the agency's mission to sustain the health, diversity, and productivity of national forest lands

Eligible uses: Dams on National Forest System lands in need of maintenance

Federal cost share requirement: Varies. Waivers are not available.

Statutory location: Division J, Title VI



Water

Challenge: The nation has underinvested in water infrastructure for too long, putting communities at risk. Lead pipes, water main breaks, PFAS contamination, and failing wastewater management systems threaten the safety and security of Americans across the country. Long-term drought and water shortages in many areas of the nation, fueled by climate change, have laid bare underinvestment in water reuse, conveyance and storage infrastructure.

Solutions: The legislation's \$55 billion investment represents the largest investment in drinking water, wastewater, water reuse, conveyance and water storage infrastructure in American history, including dedicated funding to replace lead service lines and address the dangerous chemical PFAS (per- and polyfluoroalkyl).

Funding Overview: This funding falls into seven major programs covered under this section – (1) the Drinking Water and Clean Water State Revolving Funds (\$23.43 billion), (2) Lead Service Lines (\$15 billion), (3) PFAS and Emerging Contaminants (\$10 billion), (4) Indian Water Rights (\$2.5 billion), (5) Indian Health Service Sanitation Facilities Construction (\$3.5 billion), (6) Water and Sewer Tax (\$1.25 billion), (7) Western Water including Rural Water (\$8.3 billion).

The **Drinking Water and Clean Water State Revolving Funds** provide below market rate loans and grants to fund water infrastructure improvements to protect public health and the environment. This additional funding will go towards existing Environmental Protection Agency programs– the fiscal year 2022 allocations from the Bipartisan Infrastructure Law can be found [here](#).

The **Lead Service Lines** program provides funding for lead pipe replacement. This was announced as part of a broader Lead Pipe and Paint Action Plan on December 16, 2021. The fact sheet covering the entirety of the program can be found [here](#).

The **PFAS and Emerging Contaminants** program provides funding for States and water utilities to be used in the treatment of any pollutant that is a perfluoroalkyl or polyfluoroalkyl substance (PFAS) or any pollutant identified by the Environmental Protection Agency Administrator as a contaminant of emerging concern.

The **Indian Water Rights** program is to satisfy Federal obligations under Indian water rights settlements enacted as of November 15, 2021.

The **Western Water** program appropriates funds to be spent on projects associated with water storage, groundwater storage, and conveyance projects, water recycling and reuse projects, water desalination projects and studies, watershed management, dam repair and replacement, repairing and replacing aging infrastructure, and WaterSMART grants.



The **Indian Health Service Sanitation Facilities Construction** program provides American Indian and Alaska Native homes and communities with essential water supply, sewage disposal, and solid waste disposal facilities. The Indian Health Care Improvement Act requires the Indian Health Service to maintain inventories of sanitation deficiencies for existing Indian homes and communities, to prioritize those deficiencies, and to annually report those deficiencies to Congress.

The **Water and Sewer Tax** excludes from taxable income any “contribution in aid of construction” or any other contribution for purposes of water storage.

Rural Water Projects invest in water infrastructure projects in rural communities.

Getting Ready:

The majority of the water funding will move through the State Revolving Fund programs. Water utilities, non-profits, drinking water providers, and other potential recipients should begin to work with local stakeholders and State program contacts to identify potential projects, with a focus on prioritizing projects serving disadvantage communities. The Environmental Protection Agency and other agencies will provide technical assistance to help these disadvantaged communities overcome barriers to receiving loans and grants for water improvements. Potential recipients of the lead service line funding are also encouraged to accelerate the development and use of lead service-line inventories, which can help guide the design of replacement projects eligible for these funds. Additional national program guidance will be issued soon to State water primacy agencies.

Existing Resources:

- Funds from State and Local Fiscal Recovery Funds as part of the American Rescue Plan can be used to support necessary improvements in water, including for the State Revolving Funds, lead service line replacement programs, and other projects that assist systems most in need to provide clean drinking water. See more about the guidance that permitted the use of these funds [here](#).
- Funding through the CARES Act State and Local Fiscal Recovery Funds can also be used to make necessary investments to improve access to clean drinking water.
- Funding is available for water infrastructure through Environmental Protection
- Agency’s existing State Revolving Funds and grant programs under the Water Improvements for the Nation Act, including \$25 million in 2022 to improve drinking water quality in small, underserved, and disadvantaged communities; and additional funding for lead testing in school and child care drinking water grants, and reducing lead in drinking water grants.



- Department of Agriculture funds are also available through the Water and Waste Disposal Loan and Grant Program.
- Department of Housing and Urban Development Community Block Development Block Grant funds are available for a wide range of community needs, including lead reduction initiatives.



Program Name	Agency Name	Funding Amount
Drinking Water State Revolving Fund Lead Service Lines Replacement	Environmental Protection Agency	\$15,000,000,000
Drinking Water State Revolving Fund	Environmental Protection Agency	\$11,713,000,000
Clean Water State Revolving Fund	Environmental Protection Agency	\$11,713,000,000
Water Infrastructure Improvements for the Nation, Small and Underserved Communities Emerging Contaminants Grant Program	Environmental Protection Agency	\$5,000,000,000
Drinking Water State Revolving Fund Emerging Contaminants (incl. PFAS)	Environmental Protection Agency	\$4,000,000,000
Indian Health Service Sanitation Facilities Construction Program	Department of Health and Human Services	\$3,500,000,000
Aging Infrastructure Account	Department of the Interior	\$3,200,000,000
Indian Water Rights Settlements	Department of the Interior	\$2,500,000,000
Water & Groundwater Storage, And Conveyance	Department of the Interior	\$1,150,000,000
Water Recycling	Department of the Interior	\$1,000,000,000
Rural Water Projects	Department of the Interior	\$1,000,000,000
Clean Water State Revolving Fund-Emerging Contaminants	Environmental Protection Agency	\$1,000,000,000
Geographic Programs - Great Lakes Restoration Initiative	Environmental Protection Agency	\$1,000,000,000
Dam Safety Program	Department of the Interior	\$500,000,000
WaterSMART Grants	Department of the Interior	\$400,000,000
Water Desalination Projects	Department of the Interior	\$250,000,000
Geographic Programs - Chesapeake Bay Program	Environmental Protection Agency	\$238,000,000
Safety of Dams, Water Sanitation, And Other Facilities	Department of the Interior	\$200,000,000
National Estuary Program Grants	Environmental Protection Agency	\$132,000,000
Geographic Programs - Long Island Sound	Environmental Protection Agency	\$106,000,000
Watershed Management Projects	Department of the Interior	\$100,000,000
Geographic Programs - Puget Sound	Environmental Protection Agency	\$89,000,000
Geographic Programs - Columbia River Basin Restoration Program	Environmental Protection Agency	\$79,000,000
Geographic Programs - Lake Pontchartrain Restoration Program	Environmental Protection Agency	\$53,000,000
Geographic Programs - Gulf of Mexico	Environmental Protection Agency	\$53,000,000
Central Utah Project	Department of the Interior	\$50,000,000
Tribal Irrigation and Power Systems	Department of the Interior	\$50,000,000
Underground Injection Control Grants: Class VI wells	Environmental Protection Agency	\$50,000,000
Geographic Programs - Lake Champlain	Environmental Protection Agency	\$40,000,000
Water Resources Development Act Data Acquisition	Department of Commerce	\$25,000,000
Geographic Programs - San Francisco Bay Water Quality Improvement Fund	Environmental Protection Agency	\$24,000,000
Geographic Programs - South Florida Geographic Initiatives Program	Environmental Protection Agency	\$16,000,000



Geographic Programs - Southeast New England Coastal Watershed Restoration Program	Environmental Protection Agency	\$15,000,000
Geographic Programs - Northwest Forest	Environmental Protection Agency	\$4,000,000
Soil Moisture and Snowpack Pilot Program	Department of Commerce	\$1,000,000
TOTAL - WATER		\$64,251,000,000