



U.S. Committee on the Marine Transportation System

Federal Funding Handbook for Marine Transportation System Infrastructure

Revision 3.0

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Prepared by the U.S. Committee on the Marine Transportation System

Infrastructure Investment Integrated Action Team

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Toolkit Contributors

This document was developed by the U.S. Committee on the Marine Transportation System's Infrastructure Investment Integrated Action Team which includes representatives from:

- Environmental Protection Agency
- Federal Aviation Administration
- National Maritime Intelligence-Integration Office
- National Oceanic and Atmospheric Administration
- U.S. Army Corps of Engineers
- U.S. Bureau of Reclamation
- U.S. Coast Guard
- U.S. Department of Agriculture
- U.S. Department of Energy
- U.S. Department of Transportation
- U.S. Department of Treasury
- U.S. Navy

If you have any questions about this Funding Handbook, please contact the CMTS or Catherine Simons directly at Catherine.Simons@dot.gov.

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Introduction

CMTS

The U.S. Committee on the Marine Transportation System (CMTS) is a Federal Cabinet-level partnership of 25+ Federal Government departments, agencies, and bureaus directed under statute to coordinate and recommend policies related to marine transportation. The US Committee on the Marine Transportation System (CMTS) was chartered in July 2005 and authorized in December 2012. The CMTS is directed in 46 U.S.C. §5502 to:

- Assess the adequacy of the Marine Transportation System (MTS);
- Promote the integration of the MTS with other modes of transportation and marine uses; and
- Coordinate, improve coordination and make recommendations regarding Federal policies that impact the MTS.

The annually approved work plan is implemented through task teams, agency leadership, staff support, and integrated action teams (IAT) including the Resilience IAT, Maritime Data IAT, Future of Navigation IAT and the Infrastructure Investment IAT, among others.

Infrastructure Investment Integrated Action Team

The Infrastructure Investment Integrated Action Team (IAT), an interagency group of subject matter experts who meet quarterly, facilitate the development of broad evaluation and decision criteria that can be used across Government programs for informing Federal infrastructure investment. In addition, the team identifies and develops value-added tools and products for practitioners at the local and non-Federal level as well as Federal stakeholders. This Funding Handbook is one such tool. Additional infrastructure-related products can be found on the CMTS [website](#) including the *CMTS Resource Library: Marine Transportation System (MTS) Infrastructure Finance*, a collection of information, tools, guidelines and lessons learned that can applied to the financing of infrastructure in the Federal Government.

Marine Transportation System

The MTS is essential to the American economy; it supports millions of American jobs, facilitates trade, moves people and goods, and provides a safe, secure, cost-effective, and energy-efficient transportation alternative. The CMTS is working to ensure that the MTS continues to meet the present and future needs of our nation. This interagency collaboration has resulted in a safer, more secure, environmentally friendly, and efficient MTS. The MTS includes the following:

- 25,000 miles of navigable channels
- 238 locks at 192 locations
- Great Lakes and St. Lawrence Seaway
- Over 3,700 marine terminals
- Numerous recreational marinas
- Over 174,000 miles of rail connecting all 48 contiguous States, as well as Canada and Mexico
- Over 45,000 miles of interstate highway, supported by over 115,000 miles of other roadways
- Over 1,400 designated inter-modal connections

The CMTS vision for the marine transportation System is as follows: The United States Marine Transportation System will be a safe, secure, clean, and globally integrated network that, in harmony with the environment, ensures a free-flowing, seamless, and reliable movement of people and commerce along its waterways, sea lanes, and intermodal connections.

User's Guide

The CMTS developed this *Federal Funding Handbook for Marine Transportation System Infrastructure* as a resource for public and private stakeholders. It can be challenging to navigate the myriad of Federal programs available to State and local governments; federally-recognized Indian tribal governments; Territories of the U.S; domestic public, quasi-public and private profit and nonprofit organizations and institutions; specialized groups; and individuals. The purpose of this Handbook is to serve as a value-added tool for local and non-Federal level practitioners as well as Federal stakeholders.

To that end, this Handbook contains more than 85 currently authorized Federal multimodal transportation infrastructure funding, financing, and technical assistance programs for infrastructure in the Marine Transportation System (MTS) through fiscal year (FY) 2018. The programs included in this Handbook reflect the diversity of the MTS. As described in the previous section, the MTS consists of waterways, ports, and inter-modal land-side connections that allow the various modes of transportation to move people and goods to, from, and on the water. The MTS also includes the infrastructure, both physical and technological (including cyber infrastructure), that aid in the movement of people and goods.

Federal Assistance Programs

Federal assistance programs, projects, services, and activities are government tools for funding ideas and projects to provide public services, stimulate the economy, and benefit the general public. As of June 19, 2017, the Federal government had 2,319 programs that provided assistance or benefits to the American public including, but not limited to: grants, loans, loan guarantees, scholarships, mortgage loans, insurance, and other types of financial assistance including cooperative agreements, property, technical assistance, counseling, statistical, and other expert information, and service activities of regulatory agencies. The full listing of program descriptions can be found on the [Catalog of Federal Domestic Assistance website](#) (CFDA). Of the aforementioned 2,319 programs, the majority are issued by the Department of Health and Human Services (39%) followed by the Department of the Interior (22%) and the Department of Agriculture (20%).

Grants are one of the ways the government funds ideas and projects to provide public services and stimulate the economy. Grants can be awarded for a wide-variety of activities, such as innovative research, recovery initiatives, and infrastructure building. [Grants.gov](#) centralizes information from more than 1,000 government grant programs, grant lifecycle, policies on grants management, and profiles on grant-making agencies. The [Community Blog](#) on Grants.gov is an especially helpful overview of the process including a deep dive into the three phases of a grant lifecycle:

1. Pre-Award Phase – funding opportunity announcement & application review
2. Award Phase – award decisions & notifications
3. Post Award – implementation, reports & closeout

Loans are another form of government support and serve a specific purpose such as paying for education, helping with housing or business needs, or responding to an emergency or crisis. On GovLoans.gov, you can learn more about Federal loans. Loans are different than grants because they are awarded to an individual as a personal benefit or assistance. You are required to pay back a loan, often with interest. Visit this website for more information about [Loans vs. Grants](#).

To learn more about types of Federal Assistance Programs, including loans, grants, technical assistance, cooperative agreements, tax credits, bonds and more, refer to the [Frequently Asked Questions](#) section of this document.

Federal Assistance Resource Centers

In addition to the online resources and search engines provided above, several federal assistance resource centers further streamline funding opportunities and aid the public in accessing federal resource programs including:

Build America Bureau, Department of Transportation

The "Bureau" is responsible for driving transportation infrastructure development projects in the United States. The Bureau streamlines credit opportunities and grants and provides access to the credit and grant programs with speed and transparency, while also providing technical assistance and encouraging innovative best practices in project planning, financing, delivery, and monitoring. To achieve this vision, the Bureau draws upon the full resources of U.S. DOT to best utilize the expertise of all the modes within the Department while promoting a culture of innovation and customer service.

The Bureau builds upon the foundation established by the Build America Transportation Investment Center ("BATIC"). The Bureau serves as the single point of contact and coordination for states, municipalities, and project sponsors looking to utilize federal transportation expertise; apply for federal transportation credit programs; and explore ways to access private capital in public private partnerships. The Bureau combines the Bureau, TIFIA and RRIF loan programs, Private Activity Bonds (PABs), and the INFRA grant program all under one roof within the Office of the Undersecretary for Transportation for Policy. For more information about the Bureau, visit their website:

<https://www.transportation.gov/buildamerica>.

Center for Innovative Finance Support, Department of Transportation

The Federal Highway Administration (FHWA), an agency within the U.S. Department of Transportation, supports State and local governments in the design, construction, and maintenance of the Nation's highway system and various federally and tribal owned lands. Through financial and technical assistance to State and local governments, the FHWA is responsible for ensuring that America's roads and highways continue to be safe and technologically sound.

The FHWA established the Office of Innovative Program Delivery (OIPD) in October 2008 to provide a comprehensive set of tools and resources to assist the transportation community in exploring and implementing innovative strategies to deliver programs and projects. The OIPD was reorganized in 2016 into four Centers, one of which is the Center for Innovative Finance Support. The Center for Innovative Finance Support's mission is to expand public sector capacity to design and implement alternative financial strategies for delivering transportation infrastructure. The Center conducts research, delivers training, distributes information, and provides technical assistance in support of these strategies, which are grouped into three program areas: public-private partnerships, project finance, and revenue. It also serves as FHWA's connection to the U.S. Department of Transportation's Build America Bureau (above) and collaborates to identify and coordinate FHWA technical assistance for transportation projects receiving Bureau support. For more information about the Center's resources, visit their website: https://www.fhwa.dot.gov/innovativeprograms/centers/innovative_finance/.

Water Infrastructure and Resiliency Finance Center, Environmental Protection Agency

The Environmental Protection Agency's Water Infrastructure and Resilience Finance Center is an information and assistance center, helping communities make informed decisions for drinking water, wastewater, and stormwater infrastructure to protect human health and the environment. Through its technical assistance to states, local government and non-governmental entities the Water Finance Center helps communities understand their financing options, improving the effectiveness of federal funding, and supporting local decision-making for resilient water infrastructure. For more information about the Center's resources, visit their website: <https://www.epa.gov/waterfinancecenter>.

The Center has developed a **Water Finance Clearinghouse** a one-stop-shop to assist communities who want to access information and resources that will assist them in making informed decisions for their drinking water, wastewater, and stormwater infrastructure needs.

The Clearinghouse features two searchable data sets: one focused on available Federal, State, and local funding sources for water infrastructure and the second contains resources, such as reports, tools, training materials etc. focused on financing mechanisms and approaches. For more information about the Clearinghouse, visit their website: www.epa.gov/wfc.

Handbook Organization

This Handbook was developed as a resource for the Marine Transportation System community, including public and private stakeholders. The first edition of this Handbook was released in 2013; the second edition was released in 2015.

In response to customer feedback, this updated Handbook, the third edition, has been reorganized and reformatted. The most noticeable update is that funding programs are now organized into the following four broad categories:

- 1. Energy / Economy / Resilience**
- 2. Safety & Security**
- 3. Environment**
- 4. Infrastructure**

Within these four categories, programs are listed alphabetically. Additional Handbook updates include a new “keyword” field that has been added for all funding programs (replacing the “Category” field). The funding program fields were further updated to include active hyperlinks directing users to the appropriate website with one click and an “award ceiling” field has been included, where applicable. Three appendices have been added at the end of the document including a Glossary of Terms (Appendix A), Funding Programs by Alphabetical Order (Appendix B), and Funding Programs by Agency (Appendix C). All programs now include hyperlinks to their respective government websites (Grants.gov, CFDA.gov, Notice of Funding Opportunities, and/or program pages).

Each funding program listed in the Handbook contains standardized information fields organized in the format below:

Program Title (official title)

Keywords: This field consists of index terms and descriptor words which enable an efficient search of the document.

Assistance Type: Discretionary Grant, Competitive Grant, Grant/Cost-Match, Formula Grant, Technical Assistance, Cooperative Agreement, Financial Incentive, Tax Deferral, Direct Loan, Bonds

Agency: Agency and Department, when applicable

Purpose: This field explains the purpose of the funding program. This information is sourced from the funding program and/or authorizing legislation.

Award Ceiling: This field contains the maximum dollar amount indicated for an individual award, when available.

Authorization: Authorizing legislation. In some cases, the applicable act is provided.

Website: Direct link to program page and Grants.gov website, when available.

Contact Information: Program manager or primary point of contact to obtain further information.

This is a living document that will be updated periodically, pursuant to available resources. To that end, we welcome stakeholder input to ensure this handbook continues to be a valuable and relevant document. Please direct your feedback to the CMTS at info@cmts.gov or Catherine.Simons@cmts.gov directly.

Funding Programs

Category: Energy / Economy / Resilience

1. Advanced Research Projects Agency-Energy (ARPA-E)

Keywords: Energy, Technology, Research

Assistance Type: Grants, Technical Assistance

Agency: Department of Energy, Advanced Research Projects Agency - Energy

Purpose: ARPA-E projects advance high-potential, high-impact energy technologies that are too early for private-sector investment. These projects have the potential to radically improve U.S. economic security, national security, and environmental well-being. ARPA-E empowers America's energy researchers with funding, technical assistance, and market readiness.

Award Ceiling: Most funding amounts vary between \$500,000 and \$10,000,000 in financial assistance.

Authorization: America COMPETES Act of 2007

Website: <https://arpa-e.energy.gov/?q=programs/apply-for-funding>

Contact Information: For more information, visit the Frequently Asked Questions page <https://arpa-e.energy.gov/faq>

2. Advanced Technology Solutions for Unconventional Oil and Gas Development

Keywords: Energy, Technology

Assistance Type: Cooperative Agreement

Agency: Department of Energy, National Energy Technology Laboratory (NETL)

Purpose: To select and award projects that focus on critical gaps in our understanding of reservoir behavior and optimal completion, stimulation and wastewater disposal strategies in order to increase and enable more cost-efficient and environmentally sound recovery from shale gas, tight oil, and tight gas resources. This can be achieved by developing technological solutions that enable effective resource recovery from fewer and less environmentally-impactful wells. This announcement is a critical component of the Department of Energy portfolio to advance the environmentally-sound development of domestic unconventional oil and natural gas resources.

Award Ceiling: \$8,000,000

Authorization: Public Law 95-91 DOE Organization Act of 1977, as amended by Public Law 109-58 Energy Policy Act 2005. Federal Nonnuclear Energy Research and Development Act of 1974, Public Law 93-557; Energy Policy and Conservation Act, Public Law 94-163.

Website: <https://energy.gov/indianenergy/funding>

Contact Information: Jodi L. Collins, jodi.collins@netl.doe.gov

3. Business Energy Investment Tax Credit (ITC)

Keywords: Energy, Technology, Tax Credit

Assistance Type: Financial Incentive/Corporate Tax Credit

Agency: Internal Revenue Service (IRS), Department of Energy (DOE)

Purpose: Federal corporate tax credit applicable to commercial, industrial, utility, and agricultural sectors. Eligible technologies for the ITC include solar technologies, fuel cells, small wind turbines, geothermal systems, microturbines, combined heat and power, and production tax credit-eligible technologies. This program is co-administered by the IRS and DOE.

Award Ceiling: N/A

Authorization: H.R. 2029 (Consolidated Appropriations Act, 2016)

Website: <https://energy.gov/savings/business-energy-investment-tax-credit-itc>
<https://www.irs.gov/pub/irs-pdf/i3468.pdf>

Contact Information: Department of Energy, 202-586-5000

4. Capital Construction Fund Program

Keywords: Fishing, Marine, Vessels, Maritime, Economic Development

Assistance Type: Tax Deferral

Agency: Department of Commerce, National Oceanic & Atmospheric Administration

Purpose: To improve the fishing fleet by allowing fishermen to accelerate their accumulation of funds with which to replace or improve their fishing vessels. The CCF Program enables fishermen to construct, reconstruct or acquire fishing vessels with before-tax, rather than after-tax dollars.

Award Ceiling: N/A

Authorization: Shipping Act of 1998

Website: http://www.nmfs.noaa.gov/mb/financial_services/ccf.htm

Contact Information: Richard VanGorder, NOAA, CCF Program, Financial Services Division, Richard.vangorder@noaa.gov, 301-427-8784

5. Disaster Loan Assistance

Keywords: Resilience, Disaster, Economy

Assistance Type: Loan

Agency: Department of Commerce, Small Business Administration

Purpose: To repair and rebuild non-farm, private sector disaster losses. (The disaster loan program is the only form of SBA assistance not limited to small businesses.)

Award Ceiling: As a business of any size, you may borrow up to \$2 million for physical damage. As a small business, small agricultural cooperative, small business engaged in aquaculture, or private non-profit organization you may borrow up to \$2 million for economic injury. As a small business, you may apply for a maximum business loan (physical and EIDL) of \$2 million. As a homeowner, you may borrow up to \$200,000 to repair/replace your disaster damaged primary residence. As a homeowner or renter, you may borrow up to \$40,000 to repair/replace damaged personal property.

Authorization: N/A

Website: <https://disasterloan.sba.gov/ela/>

<https://www.sba.gov/loans-grants/see-what-sba-offers/sba-loan-programs/disaster-loans>

Contact Information: If you need additional assistance or information, the Customer Service Center can be reached by phone at 1-800-659-2955 or by email at disastercustomerservice@sba.gov.

6. Economic Development Assistance Programs

Keywords: Economic Development, Job Creation, Rural

Assistance Type: Grant/Cooperative Agreement

Agency: Department of Commerce, Economic Development Administration

Purpose: To support the implementation of economic development strategies that advance new ideas and creative approaches to advance economic prosperity in urban and rural distressed communities. EDA solicits applications from applicants in rural and urban areas to provide investments that support construction, non-construction, technical assistance, and revolving loan fund projects under EDA's Public Works and Economic Adjustment Assistance programs. Grants made under these programs are designed to leverage existing regional assets and support the implementation of economic development strategies that advance new ideas and creative approaches to advance economic prosperity in distressed communities. EDA provides strategic investments on a competitive-merit-basis to support economic development, foster job creation, and attract private investment in economically distressed areas of the United States.

Award Ceiling: N/A

Authorization: EDA's Public Works and Economic Adjustment Assistance Programs

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppId=290874>

Contact Information: State-Specific Economic Development Representatives. See EDA's website at <http://eda.gov/ContactInformations.htm> or email: <http://www.eda.gov/ContactInformation/>.

7. Energy for Sustainability

Keywords: Energy, Transportation, Resilience

Assistance Type: Discretionary Grant

Agency: National Science Foundation

Purpose: To support fundamental engineering research and education that will enable innovative processes for the sustainable production of electricity and transportation fuels.

Award Ceiling: N/A

Authorization: N/A

Website: https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505339

Contact Information: Carole Read, cread@nsf.gov, 703-292-2418

8. Farm Storage Facility Loan Program

Keywords: Agriculture, Storage

Assistance Type: Loan

Agency: U.S. Department of Agriculture, Farm Service Agency (FSA)

Purpose: To provide low-interest financing so producers can build or upgrade farm storage and handling facilities to store eligible commodities they produce. A producer may borrow up to \$500,000 per loan, with a minimum down payment of 15 percent. Loan terms are up to 12 years, depending on the amount of the loan. Producers must demonstrate storage needs based on three years of production history. FSA also provides a microloan option that, while available to all eligible farms and ranchers, also should be of particular interest to new or small producers where there is a need for financing options for loans up to \$50,000 at a lower down payment with reduced documentation.

Award Ceiling: \$500,000

Authorization: Food, Conservation, and Energy Act, 2008

Website: <http://www.fsa.usda.gov/programs-and-services/price-support/facility-loans/farm-storage/index>

Contact Information: Your local FSA office can be found here:

<http://www.fsa.usda.gov/FSA/stateOffices?area=stoffice&subject=landing&topic=landing>

9. General Small Business Loans (7A)

Keywords: Economy, Business

Assistance Type: Loan

Agency: Department of Commerce, Small Business Administration

Purpose: To help start-up and existing small businesses with financing guaranteed for a variety of general business purposes. See the website for more information on the different types of SBA Small Business Loans (7A).

Award Ceiling: 7(a) loans have a maximum loan amount of \$5 million. SBA does not set a minimum loan amount. The average 7(a) loan amount in fiscal year 2015 was \$371,628.

Authorization: Small Business Act

Website: <https://www.sba.gov/7a-loan-program>

Contact Information: disastercustomerservice@sba.gov

10. Maritime Heritage Grants

Keywords: Education, Maritime, History

Assistance Type: Grant/Cost-Match

Agency: Department of the Interior, National Park Service

Purpose: The National Maritime Heritage Grants Program (Grants Program) is established to help State, local, and Tribal governments and private nonprofit organizations preserve and interpret their maritime heritage. It is a national, competitive matching grants program which provides funds for Maritime Heritage Education Projects and Maritime Heritage Preservation Projects designed to reach a broad audience and enhance public awareness and appreciation for the maritime heritage of the United States.

Award Ceiling: \$200,000

Authorization: The grant program is authorized by the National Maritime Heritage Act of 1994. Amounts for the program are derived from the proceeds of disposed obsolete vessels of the National Defense Reserve Fleet; and transferred to the NPS by the Maritime Administration (MARAD).

Website: <http://www.nps.gov/maritime/grants/apply.htm>
<https://www.grants.gov/web/grants/search-grants.html?keywords=maritime>

Contact Information: Kelly Spradley-Kurowski, Historian and Grants Manager; 202-354-2266;
kelly_spradley-kurowski@nps.gov

11. Ocean Drilling (OD)

Keywords: Energy, Science, Marine, Ocean

Assistance Type: Discretionary Grant

Agency: National Science Foundation

Purpose: To advance basic research in the marine geosciences and is supported by the National Science Foundation (NSF) and its international partners. The NSF Ocean Drilling Program will occasionally provide support for small projects to be conducted during the expedition moratorium period to increase the scientific value of, and facilitate further research on, the expedition core, data, and associated samples. Proposals fitting the criteria outlined on the program website may be submitted at any time prior to the expedition.

Award Ceiling: N/A

Authorization: N/A

Website: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13524

Contact Information: Thomas Janecek, tjanecek@nsf.gov, 703-292-5393; James F. Allan, jallan@nsf.gov, 703-292-8144

12. Ocean Freight Reimbursement Program (OFR) FY15 & FY16

Keywords: Economy, Transportation, Trade, Agriculture

Assistance Type: Discretionary Grant

Agency: U.S. Agency for International Development

Purpose: To reimburse registered PVO's ocean transport costs to transport donated commodities, such as medical supplies, agricultural equipment, educational supplies, and building equipment to responsible consignees in developing countries.

Award Ceiling: N/A

Authorization: Foreign Assistance Act, 1961

Website: <http://www.usaid.gov/work-usaid/get-grant-or-contract/ocean-transportation/ocean-freight-reimbursement-overview>

Contact Information: Prince Boating, Agreement Officer, Pboateng@usaid.gov, 202-567-4104

13. Planning Program & Local Technical Assistance Program

Keywords: Economic Development, Resilience

Assistance Type: Grant

Agency: Department of Commerce, Economic Development Administration

Purpose: To provide investments supporting planning and technical assistance projects under EDA's Planning and Local Technical Assistance programs. Under the Planning program EDA assists eligible recipients in creating regional economic development plans designed to build capacity and guide the economic prosperity and resiliency of an area or region.

Award Ceiling: N/A

Authorization: Sections 203 (42 U.S.C. § 3143) and 207 (42 U.S.C. § 3147) of PWEDA

Website: <http://www.eda.gov/funding-opportunities/>
<https://www.grants.gov/web/grants/view-opportunity.html?oppId=280447>

Contact Information: <https://www.eda.gov/contact/>

14. Prediction of and Resilience against Extreme Events (PREEVENTS)

Keywords: Resilience, Hazards, Extreme Events

Assistance Type: Discretionary Grant

Agency: National Science Foundation

Purpose: PREEVENTS is focused on natural hazards and extreme events, and not on technological or deliberately human-caused hazards. The PREEVENTS portfolio will include the potential for disciplinary and multidisciplinary research at all scales, particularly aimed at areas ripe for significant near- or medium-term advances. PREEVENTS is designed as a logical successor to Hazards SEES and is one element of the NSF-wide Risk and Resilience activity, which has the overarching goal of improving predictability and risk assessment, and increasing resilience, in order to reduce the impact of extreme events on our life, society, and economy.

Award Ceiling: Solicitation does not specify a cap but the total anticipated funding is \$18-25 million and the estimated number of awards (15-20) provide approximate guidance.

Authorization: N/A

Website: https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=504804

Contact Information: Paul Cutler, pcutler@nsf.gov, 703-292-4961. Additional Contact Information listed on the website above.

15. Real Estate & Equipment Loans (CDC/504)

Keywords: Business, Economy, Real Estate, Loans

Assistance Type: Loan

Agency: Department of Commerce, Small Business Administration

Purpose: To provide financing for major fixed assets such as equipment or real estate.

Award Ceiling: Maximum loan amounts are determined by whether funds will be used to support job creation, public policy and/or small manufacturing. For more information, visit the [program page](#).

Website: <https://www.sba.gov/Keywords/navigation-structure/loans-grants/small-business-loans/sba-loan-programs/real-estate-and-eq>

Contact Information: To connect with SBA approved lenders, visit the [program page](#).

16. Workforce Innovation and Opportunity Act (WIOA) Programs

Keywords: Economic Development, Training

Assistance Type: Formula Grant

Agency: Department of Labor, Employment and Training Administration

Purpose: To increase the employment, job retention, earnings, and career advancement of U.S. workers, supporting individuals in receiving skills, training, credentials, and related prerequisites for employment. The WIOA Final Rules improve coordination between and among agencies so that workers and job seekers have more seamless access to a system of high-quality career services, education, and training through the one-stop service delivery system, known as the American Job Centers, and partners.

Award Ceiling: N/A

Authorization: Workforce Innovation and Opportunity Act (WIOA)

Website: <https://www.doleta.gov/WIOA/Overview.cfm>

Contact Information: <http://www.servicelocator.org/>

17. Renewable Electricity Production Tax Credit (PTC)

Keywords: Energy, Tax Credit, Electricity

Assistance Type: Financial Incentive/Corporate Tax Credit

Agency: Internal Revenue Service (IRS), Department of Energy (DOE)

Purpose: The federal renewable electricity PTC is an inflation-adjusted per-kilowatt-hour (kWh) tax credit for electricity generated by qualified energy resources and sold by the taxpayer to an unrelated person during the taxable year. The duration of the credit is 10 years after the date the facility is placed in service for all facilities placed in service after August 8, 2005.

Award Ceiling: N/A

Authorization: H.R. 2029 (Consolidated Appropriations Act, 2016)

Website: <https://energy.gov/savings/renewable-electricity-production-tax-credit-ptc>

Contact Information: Department of Energy, 202-586-5000

18. Department of Energy Unsolicited Proposal Office

Keywords: Energy, Research & Development, Unsolicited

Assistance Type: Financial Incentive/Corporate Tax Credit

Agency: Department of Energy, National Energy Technology Laboratory (NETL)

Purpose: Organizations and individuals are encouraged to submit proposals which are relevant to the DOE's research and development mission either in response to formal DOE solicitations and opportunity announcements or through self-generated unsolicited proposals. An unsolicited proposal (which would fall under a noncompetitive process) may be considered if it represents a unique or innovative idea that would not otherwise be eligible under a known agency competitive announcement.

Award Ceiling: Varies

Authorization: N/A

Website: <http://www.netl.doe.gov/business/unsolicited-proposals>

Contact Information: John N. Augustine, DOEUSP@NETL.DOE.GOV

Category: Safety & Security

19. Critical Resilient Interdependent Infrastructure Systems and Processes (CRISP)

Keywords: Resilience, Infrastructure

Assistance Type: N/A

Agency: National Science Foundation

Purpose: To (1) foster an interdisciplinary research community of engineers, computer, computational, social and behavioral scientists creating new approaches and solutions for the design and operation of various infrastructure; (2) enhance the understanding & design of interdependent critical infrastructure systems (ICIs) and processes providing essential goods and services despite disruptions and failures; (3) create the knowledge for innovation in ICIs so they expand the range of goods and services they enable; and (4) improve the effectiveness & efficiency with which they deliver goods & services.

Award Ceiling: N/A

Authorization: N/A

Website: https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505277

Contact Information: Richard J. Fragaszy, rfragasz@nsf.gov, 703-292-7011, Bruce Hamilton, bhamilto@nsf.gov, 703-292-7066

20. Cyber-Physical Systems (CPS)

Keywords: Cyber Infrastructure, Security, Resilience

Assistance Type: Discretionary Grant

Agency: National Science Foundation

Purpose: To develop the core system science needed to engineer complex cyber-physical systems which people can use or interact with and depend upon. Some of these may require high-confidence or provable behaviors. The program aims to foster a research community committed to advancing research and education in CPS and to transitioning CPS science and technology into engineering practice. By abstracting from the particulars of specific systems and application domains, the CPS program seeks to reveal cross-cutting fundamental scientific and engineering principles that underpin the integration of cyber and physical elements across all application sectors. To expedite and accelerate the realization of cyber-physical systems in a wide range of applications, the CPS program also supports the development of methods, tools, and hardware and software components based upon these cross-cutting principles, along with validation of the principles via prototypes and testbeds. We have also seen a convergence of CPS technologies and research thrusts that underpin Smart & Connected Communities (S&CC) and the Internet of Things (IoT). These domains offer new and exciting challenges for foundational research and provide opportunities for maturation at multiple time horizons.

Award Ceiling: N/A

Authorization: N/A

Website: https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503286. Also, see <http://www.cccb.org/2014/03/07/nsf-expands-cyber-physical-systems-program-to-include-dhs-dot/> for interagency effort with DHS & DOT.

Contact Information: David Corman, dcorman@nsf.gov, 703-292-8754; Radhakisan Baheti, rbaheti@nsf.gov, 703-292-8339

21. DHS S&T Center of Excellence for Cross-Border Threat Screening and Supply Chain Defense – Center Partner

Keywords: Security, Education, Science & Technology, Center of Excellence, Training

Assistance Type: Cooperative Agreement

Agency: Department of Homeland Security

Purpose: The Cross Border Threat Screening and Supply Chain Defense Center of Excellence (CBTS) will research and develop solutions, protocols, and capabilities to support DHS operations that detect, assess, and respond to known and unknown biological threats and hazards that could adversely impact the Nation's people, agriculture, and economy. CBTS will research and develop solutions, protocols, and capabilities to support DHS operations that detect, assess, and respond to known and unknown biological threats and hazards that could adversely impact the Nation's people, agriculture, and economy. DHS seeks to understand alternative approaches to reduce risks posed by new biological threats encountered at borders, ports of entry (POEs), and within the global supply chain in which DHS has responsibility. DHS is most concerned with transnational agro- and bio- terrorism, pandemics, transboundary animal diseases, and other unknown biothreats. Faced with ever-increasing volumes of trade and travelers, border security and immigration managers need technological innovations and better management of information.

Award Ceiling: \$500,000. Note: there is a separate Notice of Funding Opportunity for the Lead institution listed on Grants.gov for up to \$35,000,000 over 10 years, subject to the availability of funds.

Authorization: Homeland Security Act of 2002, Section 308, as amended, P.L. 107-296. codified at 6 U.S.C. 188

Website: <https://www.grants.gov/web/grants/search-grants.html?keywords=maritime>, <https://www.hsuniversityprograms.org/>

Contact Information: Matthew Coats, Matthew.Coats@hq.dhs.gov, 202-254-6018

22. Fire Prevention & Safety Grant Program

Keywords: Resilience, Fire Prevention, Safety, Firefighters

Assistance Type: Grant/Cost-Match

Agency: Department of Homeland Security, Federal Emergency Management Agency

Purpose: To enhance the safety of the public and firefighters from fire and related hazards. The primary or overarching goal is to reduce injury and prevent death among high-risk populations.

Award Ceiling: \$1,500,000

Authorization: Section 33 of the Federal Fire Prevention and Control Act of 1974, Pub. L. No. 93-498, as amended (15 USC § 2229)

Website: <https://www.fema.gov/welcome-assistance-firefighters-grant-program>

Contact Information: FP&S Help Desk, firegrants@fema.gov, 866-274-0960

23. Homeland Security Grant Program (HSGP)

Keywords: Security, Preparedness

Assistance Type: Formula Grant

Agency: Department of Homeland Security, Federal Emergency Management Agency

Purpose: To support state, local and tribal efforts to prevent terrorism and other catastrophic events and to prepare the Nation for the threats and hazards that pose the greatest risk to the security of the Nation. The HSGP plays an important role in the implementation of the National Preparedness System by supporting the building, sustainment, and delivery of core capabilities essential to achieving the National Preparedness Goal of a security and resilient Nation. The HSGP supports efforts to build and sustain core capabilities across the five mission areas of Prevention, Protection, Mitigation, Response and Recovery based on allowable costs.

Award Ceiling: N/A. Available funding for the HSGP FY 2017 allocation is \$1,037,000,000.

Authorization: Appropriated by the Department of Homeland Security Appropriations Act, 2017; and authorized by the Homeland Security Act of 2002, as amended.

Website: <https://www.fema.gov/fy-2015-homeland-security-grant-program>

https://www.fema.gov/media-library-data/1496691855715-4d78d65ebb300900ce6c945931eff2c6/FY_2017_HSGP_NOFO_20170601v2014_605.pdf

Contact Information: For additional program-specific information, please Contact Information the Centralized Scheduling and Information Desk (CSID) help line at 800-368-6498 or askcsid@dhs.gov.

24. Secure and Trustworthy Cyberspace (SaTC)

Keywords: Cyber-Infrastructure, Security, Privacy

Assistance Type: N/A

Agency: National Science Foundation

Purpose: The SaTC program welcomes proposals that address cybersecurity and privacy, and draw on expertise in one or more of these areas: computing; communication and information sciences; engineering; economics; education; mathematics; statistics; and social and behavioral sciences. Proposals that advance the field of cybersecurity and privacy within a single discipline or interdisciplinary efforts that span multiple disciplines are both encouraged.

Award Ceiling: N/A

Authorization: N/A

Website: https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=504709

Contact Information: Nina Amla, Program Director, CISE/CNS, namla@nsf.gov, 703-292-7991

25. Securing the Cities Program

Keywords: Security, Training

Assistance Type: Discretionary Grant

Agency: Department of Homeland Security Domestic Nuclear Detection Office

Purpose: To reduce the risk of a successful deployment of a radiological/nuclear (R/N) terrorist weapon against a major U.S. metropolitan area by establishing sustainable capability within Global Nuclear Detection Architecture (GNDA) partner agencies to detect, analyze, and report nuclear and other radioactive materials out of regulatory control within their jurisdictions. Capability in this sense is defined as trained and equipped personnel, proficient in the use of R/N detection equipment, and guided by detection and response protocol.

Award Ceiling: N/A

Authorization: Further Continuing and Security Assistance Appropriates Act, 2017; Title IV – Research and Development, Training, and Services; Domestic Nuclear Detection Office.

Website: <https://www.dhs.gov/operations-support-directorate>

Contact Information: Janet Bailey, Grants Specialist, janet.bailey@hq.dhs.gov, 202-447-0362; Christopher Magrino, Program Officer, christopher.magrino@hq.dhs.gov, 202-254-7443

26. Transit Security Grant Program (TSGP)

Keywords: Security, Public Transportation, Infrastructure, Security, Maritime, Resilience

Assistance Type: Competitive Grant

Agency: Department of Homeland Security, Federal Emergency Management Agency

Purpose: To provide funds to eligible publicly-owned operators of public transportation (which include ferries and other transit modes) to protect critical surface transportation infrastructure and the traveling public from acts of terrorism and to increase the resilience of transit infrastructure.

Award Ceiling: N/A. Total available funding for the TSGP is \$88,000,000

Authorization: Authorized by Section 1406 of the *Implementing Recommendations of the 9/11 Commission Act of 2007* (Pub. L. No. 110-53) (6 U.S.C. 1135). Appropriated by the Department of Homeland Security Appropriations Act, 2017 (Pub. L. No. 115-31).

Website: <https://www.fema.gov/fiscal-year-2017-transit-security-grant-program>

Contact Information: For additional program-specific information, please Contact Information the Centralized Scheduling and Information Desk (CSID) help line at (800) 368-6498 or by email at askcsid@dhs.gov.

27. Port Security Grant Program (PSGP)

Keywords: Security, Infrastructure, Ports, Training, Maritime, Resilience

Assistance Type: Grant/Cost-Match

Agency: Department of Homeland Security, Federal Emergency Management Agency

Purpose: To strengthen the Nation's critical infrastructure against risks associated with potential terrorist attacks and improve port-wide maritime security risk management; enhance maritime domain awareness; support maritime security training and exercises; and maintain or reestablish maritime security mitigation protocols that support port recovery and resiliency capabilities.

Award Ceiling: N/A. Available funding for the PSGP program is \$100,000,000.

Authorization: Section 102 of the Maritime Transportation Security Act of 2002, as amended, (Pub. L. No. 107-295) (46 U.S.C. § 70107)

Website: <https://www.fema.gov/preparedness-non-disaster-grants>

https://www.fema.gov/media-library-data/1496328927518-cfc5486f1846263e697754eb2e7fed50/FY_2017_PSGP_NOFO_508.pdf

Contact Information: Duane Davis, 202-786-9533, Duane.Davis@dhs.gov

Category: Environment

28. Biological Oceanography

Keywords: Environment, Biology, Ocean, Great Lakes

Assistance Type: Discretionary Grant

Agency: National Science Foundation

Purpose: To support research in marine ecology broadly defined: relationships among aquatic organisms and their interactions with the environments of the oceans or Great Lakes. Projects submitted to the program for consideration are often interdisciplinary efforts that may include participation by other OCE Programs.

Award Ceiling: N/A

Authorization: N/A

Website: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=11696

Contact Information: David L. Garrison, dgarriso@nsf.gov, 703-292-8582, Michael Sieracki, msierack@nsf.gov, 703-292-7585

29. Chemical Oceanography

Keywords: Environment, Ocean, Marine, Science, Research

Assistance Type: Discretionary Grant

Agency: National Science Foundation

Purpose: To support research into the chemical components, reaction mechanisms, and geochemical pathways within the ocean and at its interfaces with the solid earth and the atmosphere.

Award Ceiling: N/A

Authorization: N/A

Website: https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=11698

Contact Information: Simone Metz, smetz@nsf.gov, 703-292-8582

30. Environmental Sustainability

Keywords: Environment, Resilience

Assistance Type: Discretionary Grant

Agency: National Science Foundation

Purpose: To promote sustainable engineered systems that support human well-being and that are also compatible with sustaining natural (environmental) systems.

Award Ceiling: N/A

Authorization: N/A

Website: https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505338

Contact Information: Bruce Hamilton, bhamilto@nsf.gov, (703) 292-7066

31. Geotechnical Engineering & Materials (GEM)

Keywords: Resilience, Research

Assistance Type: Discretionary Grant

Agency: National Science Foundation

Purpose: This program supports fundamental research in soil and rock mechanics and dynamics in support of physical civil infrastructure systems. Also supported is research on improvement of the engineering properties of geologic materials for infrastructure use by mechanical, biological, thermal, chemical, and electrical processes. The Program supports the traditional areas of foundation engineering, earth structures, underground construction, tunneling, geoenvironmental engineering, and site characterization, as well as the emerging area of bio-geo engineering, for civil engineering applications,

with emphasis on sustainable geosystems. Research related to the geotechnical engineering aspects of geothermal energy and geothermal heat pump systems is also supported. The GEM program encourages knowledge dissemination and technology transfer activities that can lead to broader societal benefit and implementation for provision of physical civil infrastructure. The Program also encourages research that explores and builds upon advanced computing techniques and tools to enable major advances in Geotechnical Engineering. The program supports relevant research topics that address the emerging areas of geotechnical engineering and the Grand Challenges to “restore and improve urban infrastructure” and “provide access to clean water”.

Award Ceiling: N/A

Authorization: N/A

Website: https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505409

Contact Information: Richard J. Fragaszy, rfragasz@nsf.gov, 703-292-7011

32. Improvements in Facilities, Communications & Equipment at Biological Field Stations & Marine Laboratories (FSML)

Keywords: Environment, Science, Research

Assistance Type: Discretionary Grant

Agency: National Science Foundation

Purpose: FSMLs are off-campus facilities for research and education conducted in the natural habitats of terrestrial, freshwater, and marine ecosystems. FSMLs support environmental and basic biological research and education by preserving access to study areas and organisms, by providing facilities and equipment in close proximity to those study areas, and by fostering an atmosphere of mutual scientific interest and collaboration in research and education. To fulfill these roles, FSMLs must offer modern research and education facilities, equipment, communications and data management for a broad array of users. In recognition of the importance of FSMLs in modern biology, NSF invites proposals that address these general goals of FSML improvement.

Award Ceiling: N/A

Authorization: N/A

Website: https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5449

Contact Information: Kandace S. Binkley, kbinkley@nsf.gov, 703-292-8583

33. National Priorities: Life Cycle Costs of Water Infrastructure Alternatives

Keywords: Environment, Infrastructure, Water

Assistance Type: Grant/Cost-Match

Agency: Environmental Protection Agency

Purpose: To propose research focused on developing tools and models that compare the life-cycle costs of green, grey, and hybrid forms of stormwater water infrastructure.

Award Ceiling: \$1,950,000. Each applicant must contribute a minimum of 25 percent match that may include in-kind contributions.

Authorization: Consolidated and Further Continuing Appropriations Act, 2015, P.L. 113-325 and the Clean Water Act, Section 104, 33 U.S.C. 1254.

Website: https://cfpub.epa.gov/ncer_abstracts/index.cfm/fuseaction/display.rfatext/rfa_id/596

Contact Information: Pasky Pascual, pascual.pasky@epa.gov, 703-347-8056

34. National Wetland Program Development Grants

Keywords: Environment, Wetland

Assistance Type: Grant/Cost-Match

Agency: Environmental Protection Agency

Purpose: To build state and tribal wetland programs. A secondary focus is to build local (e.g. county or municipal) programs.

Award Ceiling: \$300,000

Authorization: Clean Water Act

Website: http://water.epa.gov/grants_funding/wetlands/grantguidelines/index.cfm

Contact Information: Myra Price, price.myra@epa.gov, 202-566-1225

35. Oceanographic Facilities & Equipment Support

Keywords: Environment, Ocean, Science

Assistance Type: Discretionary Grant

Agency: National Science Foundation

Purpose: To provide properly managed and equipped facilities in support of federally-funded oceanographic research primarily funded by NSF.

Award Ceiling: N/A

Authorization: The National Science Foundation Act of 1950, as amended (42 U.S.C. 1861-75)

Website: https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=504848

Contact Information: Rose DuFour, (Ship Ops), rdufour@nsf.gov, 703-292-8811; James Holik, (OTS and OI), jholik@nsf.gov, 703-292-7711

36. Ocean Technology & Interdisciplinary Coordination (OTIC) Program

Keywords: Environment, Technology, Ocean, Marine, Science, Research

Assistance Type: Discretionary Grant

Agency: National Science Foundation

Purpose: To develop instrumentation that has broad applicability to ocean science research projects and that enhance observational, experimental or analytical capabilities of the ocean science research community.

Award Ceiling: N/A

Authorization: N/A

Website: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=12724

Contact Information: Kandace S. Binkley, kbinkley@nsf.gov, 703-292-7577

37. Operations Engineering (OE) Program

Keywords: Research, Science, Modeling, Data, Environment

Assistance Type: Grant

Agency: National Science Foundation

Purpose: The Operations Engineering (OE) program supports fundamental research on advanced analytical methods for improving operations in complex decision-driven environments. Analytical methods include, but are not limited to, deterministic and stochastic modeling, optimization, decision and risk analysis, data science, and simulation. Methodological research is highly encouraged but must be motivated by problems that have potential for high impact in engineering applications. Application domains of particular interest to the program arise in commercial enterprises (e.g., production/manufacturing systems and distribution of goods, delivery of services), the public sector/government (e.g., public safety and security), and public/private partnerships (e.g., health care, environment and energy). The program also welcomes operations research in new and emerging domains and addressing systemic societal or technological problems. The OE program particularly values cross-disciplinary proposals that leverage application-specific expertise with strong quantitative analysis in a decision-making context. Proposals for methodological research that are not strongly motivated by high-potential engineering applications are not appropriate for this program.

Award Ceiling: N/A

Authorization: N/A

Website: https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505202

Contact Information: Georgia Ann Klutke, gaklutke@nsf.gov, 703-292-2443

38. Coastal Resilience Grants Program

Keywords: Resilience, Coastal Communities, Extreme Weather, Climate

Assistance Type: Grant/Cooperative Agreement

Agency: Department of Commerce, National Oceanic & Atmospheric Administration

Purpose: To implement projects that build resilient U.S. coastal communities, economies and ecosystems. Resilience is the ability to prepare and plan for, absorb, recover from, and successfully adapt. This program is intended to build resilience by reducing the risk to coastal communities, economies and ecosystems from extreme weather events and climate-related hazards. This competition was available in FY17. Future funding will be determined by annual appropriations.

Award Ceiling: \$2,000,000

Authorization: Fish & Wildlife Coordination Act; Magnuson-Stevens Fishery Conservation & Management Reauthorization Act (2006); & Endangered Species Act.

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppId=291204>

Contact Information: Melanie Gange, Melanie.Gange@noaa.gov, 301-427-8664

39. Integrated Ocean Observing System (IOOS) Ocean Technology Transition (OTT) Project

Keywords: Environment, Ocean Observing, Monitoring, Coast

Assistance Type: Grant (No Match)

Agency: Department of Commerce, National Oceanic & Atmospheric Administration

Purpose: NOAA is requesting proposals for a multi-year effort to transition prototype ocean, coastal, and Great Lakes observing, product development, and data management technologies to operations in a stepped, parallel, and scalable process that includes stakeholder engagement from industry, government, academia, and others invested in the monitoring and assessment of the nation's oceans and coastal regions. Operational mode is defined as the actual application of the technology in its final form and under mission requirements.

Award Ceiling: N/A

Authorization: The Integrated Coastal and Ocean Observation System Act of 2009, 33 U.S.C 3601-3610.

Website: <https://ioos.noaa.gov/project/ocean-technology-transition/#projectinfo>

Contact Information: Dave Easter, US IOOS Program, dave.easter@noaa.gov, 301-427-2451

40. NOAA Broad Agency Announcement (BAA)

Keywords: Environment, Research, Education, Outreach

Assistance Type: Cooperative Agreement/Grant

Agency: Department of Commerce, National Oceanic & Atmospheric Administration

Purpose: To request applications for special projects and programs associated with NOAA's strategic plan and mission goals, as well as to provide the general public with information and guidelines on how NOAA will select proposals and administer discretionary Federal assistance under this Broad Agency Announcement (BAA). This BAA is a mechanism to encourage research, education and outreach, innovative projects, or sponsorships that are not addressed through our competitive discretionary programs. It is not a mechanism for awarding congressionally directed funds or existing funded awards.

Award Ceiling: N/A

Authorization: 15 U.S.C. 1540; 15 U.S.C. 2901 et. seq.; 16 U.S.C. 661; 16 U.S.C. 1456c; 33 U.S.C. 883a-d; 33 USC 893a; 33 U.S.C. 1442; 49 U.S.C. 44720(b).

Website: https://coast.noaa.gov/funding/_pdf/NOAA-BAA-NOAA-NFA-NFAPO-2016-2004791-posted-12.30.2015-closing-09.30.2017.pdf

<https://www.grants.gov/web/grants/search-grants.html?keywords=maritime>

Contact Information: See link above for agency Contact Information.

41. Coastal Program

Keywords: Environment, Fish, Wildlife, Coast, Habitat

Assistance Type: Cooperative Agreement

Agency: Department of the Interior, U.S. Fish & Wildlife Service

Purpose: To support restoration and improvement of coastal habitat on public and private lands for the benefit of federal trust species. The Coastal Program is a voluntary, incentive-based program that provides technical and financial assistance to a diversity of conservation partners to conduct conservation projects on public and private lands.

Award Ceiling: N/A, but \$10,000 is the average award size

Authorization: Fish and Wildlife Act of 1956, Fishing and Wildlife Coordination Act of 1958

Website: <https://www.grants.gov/web/grants/search-grants.html?keywords=coastal%20program>

Contact Information: Samantha Brooke, 703-358-1829, Samantha_Brooke@fws.gov.

42. Cooperative Endangered Species Conservation Fund (CESCF)

Keywords: Resilience, Environment, Endangered, Wildlife, Habitat

Assistance Type: Grant/Cost-Match

Agency: Department of the Interior, Fish & Wildlife Service

Purpose: To participate in a wide array of voluntary conservation projects for candidate, proposed, and listed species. The program provides funding to states and territories for species and habitat conservation actions on non-federal lands.

Award Ceiling: \$2,000,000

Authorization: Endangered Species Act, 1973 (as amended 1978, 1982, 1988, and 2004)

Website: <https://www.fws.gov/endangered/grants/>

Contact Information: Kelly Niland, 703-358-2492 Kelly_Niland@fws.gov

43. Coastal Impact Assistance Program

Keywords: Environment, Coast, Wetlands, Marine, Conservation, Infrastructure

Assistance Type: Formula Grant

Agency: Department of the Interior, Fish & Wildlife Service

Purpose: To conserve, restore or protect coastal areas including wetlands; mitigation of damage to fish, wildlife, or natural resources; planning assistance and the administrative costs of complying with these objectives; implementation of a federally-approved marine, coastal, or comprehensive conservation management plan; and mitigation of the impact of outer Continental Shelf activities through funding of onshore infrastructure projects and public service needs.

Award Ceiling: N/A

Authorization: Outer Continental Shelf (OCS) Lands Act, as amended; 31 U.S.C. 6301-6305

Website:

<https://www.cfda.gov/index?s=program&mode=form&tab=core&id=89f617f13fd878451c0c080281d1dd7f>

Contact Information: Program office can be contacted by emailing: r9wsfr_programs@fws.gov.

44. National Coastal Wetland Conservation Grant Program

Keywords: Environment, Coast, Wetland, Conservation, Ecosystem

Assistance Type: Grant/Cost-Match

Agency: Department of the Interior, U.S. Fish & Wildlife Service

Purpose: To support the long-term conservation of coastal wetland ecosystems. The program annually provides project grants of up to \$1 million to coastal and Great Lakes states, and U.S. territories to protect, restore and enhance coastal wetland ecosystems and associated uplands. The grants are funded

through the Sport Fish Restoration and Boating Trust Fund, which is supported by excise taxes on fishing equipment and motorboat fuel.

Award Ceiling: \$1,000,000

Authorization: Coastal Wetlands Planning, Protection, and Restoration Act (Section 305, Title III, Public Law 101-646, 16 U.S.C. 3954)

Website: https://www.fws.gov/coastal/CoastalGrants/pdfs/FY2018NCWG_NoticeAndInstructions.pdf

Contact Information: Chris Darnell, chris_darnell@fws.gov, 703-358-2236

Paul Van Ryzin, Paul_Vanryzin@fws.gov, 202-695-4305

45. Coastal Program - Great Lakes Restoration Initiative

Keywords: Environment, Coast, Great Lakes, Habitat

Assistance Type: Cooperative Agreement

Agency: Department of the Interior, Fish & Wildlife Service

Purpose: The Coastal Program is a voluntary, incentive-based program that provides technical and financial assistance to coastal communities and landowners to restore and protect fish and wildlife habitat on public and private lands. The Coastal Program is not a convention grants program, in that it does not solicit projects through a request for proposals. Instead project work plans are developed strategically, in coordination with partners, and with substantial involvement from Service field staff. Projects must advance the mission, promote biological diversity, and be based upon sound scientific biological principles.

Award Ceiling: \$200,000

Authorization: Clean Water Act; and FY2010, 11, 12 & 13 Appropriations Legislation

Website: <http://www.vnf.com/coastal-program-great-lakes-restoration-initiative>

Contact Information: Christie Deloria, christie_deloria@fws.gov, 906-226-1240

46. Endangered Species Conservation - Recovery Implementation Funds

Keywords: Resilience, Endangered, Environment

Assistance Type: Discretionary Grant/Cooperative Agreement

Agency: Department of the Interior, Fish & Wildlife Service

Purpose: To secure information about endangered, threatened or candidate species, to aid in the recovery of these species, to avert listing of species pursuant to the Endangered Species Act, and to help conserve the ecosystems upon which these species depend.

Award Ceiling: \$100,000

Authorization: Endangered Species Act, 1973 (as amended 1978, 1982, 1988, and 2004)

Website: <https://www.grants.gov/web/grants/search-grants.html?keywords=recovery%20implementation%20funds>

<https://csfs.colostate.edu/media/sites/22/2017/04/NOFO.FY17RecImpGrants-2.pdf>

Contact Information: Kelly Niland, Kelly_Niland@fws.gov, 703-358-2492

47. Physical Oceanography

Keywords: Environment, Ocean, Marine

Assistance Type: Discretionary Grant

Agency: National Science Foundation

Purpose: To support research on a wide range of topics associated with the structure and movement of the ocean, with the way in which it transports various quantities, with the way the ocean's physical structure interacts with the biological and chemical processes within it, and with interactions between the ocean and the atmosphere, solid earth and ice that surround it.

Award Ceiling: N/A

Authorization: N/A

Website: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=12729

Contact Information: Eric C. Itsweire, eitsweir@nsf.gov, 703-292-8582;
Baris M. Uz, bmuz@nsf.gov, 703-292-4557

48. Pollution Prevention Grant Program

Keywords: Environment, Pollution

Assistance Type: Grant/Cooperative Agreement with Cost-Match

Agency: Environmental Protection Agency

Purpose: To provide businesses with technical advice, on-site technical assistance, classroom training, professional certification, etc. Projects should highlight: 1) the business recipient of the technical assistance/training activity; 2) the type of technical assistance and/or training activity; 3) how, when and where the technical assistance/training will be provided; and 4) how the technical assistance/training will be assessed to measure environmental performance, and environmental and human health concerns.

Award Ceiling: \$360,000 (over a two-year funding period)

Authorization: Pollution Prevention Act, 1990

Website: <https://www.epa.gov/p2/grant-programs-pollution-prevention#p2grant>

Contact Information: Michele Amhaz, amhaz.michele@epa.gov, 202-564-8857

49. Regional Wetland Program Development Grants (WPDGs)

Keywords: Environment, Wetland

Assistance Type: Grant/Cost-Match

Agency: Environmental Protection Agency

Purpose: To build state and tribal wetland programs. A secondary focus is to build local (e.g. county or municipal) programs. WPDGs provide eligible applicants an opportunity to conduct projects that promote the coordination and acceleration of research, investigations, experiments, training, demonstrations, surveys and studies relating to the causes, effects, extent, prevention, reduction and elimination of water pollution.

Award Ceiling: Awards will likely range from \$25,000 to \$300,000 in federal funds.

Website: http://water.epa.gov/grants_funding/wetlands/grantguidelines/index.cfm

Contact Information: Myra Price, price.myra@epa.gov, 202-566-1225

50. Source Reduction Assistance Grant Program

Keywords: Environment, Pollution

Assistance Type: Grant/Cooperative Agreement with Cost-Match

Agency: Environmental Protection Agency

Purpose: To support pollution prevention/source reduction and/or resource conservation projects that reduce or eliminate pollution at the source.

Award Ceiling: \$260,000 (over a two-year funding period)

Authorization: Clean Air; Clean Water Act, Federal Insecticide, Fungicide, and Rodenticide; Safe Drinking Water; Solid Waste Disposal; & Toxic Substances Control

Website: <https://www.epa.gov/p2/grant-programs-pollution-prevention#sra>

Contact Information: Michele Amhaz, amhaz.michele@epa.gov, 202-564-8857

51. Targeted Air Shed Grant Program

Keywords: Environment, Pollution

Assistance Type: Competitive Grant

Agency: Environmental Protection Agency

Purpose: This program will assist local, state and/or tribal air control agencies in developing plans, conducting demonstrations, and implementing projects to reduce air pollution in nonattainment areas that EPA determines are the top five most polluted areas relative to ozone (O³) or annual average fine

particulate matter (PM_{2.5}), or 24-hour PM_{2.5} National Ambient Air Quality Standards (NAAQS). The overall goal of the Targeted Air Shed Grant program is to reduce air pollution in the Nation's areas with the highest levels of ozone and PM_{2.5} ambient air concentrations.

Award Ceiling: \$4,000,000

Authorization: 2017 Appropriations Act

Website: <https://www.epa.gov/sites/production/files/2016-04/documents/rfa-epa-oar-oaqps-16-03.pdf>

Contact Information: Tim Roberts, roberts.timothy-p@epa.gov, 202-564-6004

Category: Infrastructure

52. Civil Infrastructure Systems

Keywords: Infrastructure, Resilience

Assistance Type: Discretionary Grant

Agency: National Science Foundation

Purpose: To support fundamental and innovative research necessary for designing, constructing, managing, maintaining, operating and protecting efficient, resilient and sustainable civil infrastructure systems.

Award Ceiling: N/A

Authorization: N/A

Website: https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13352

Contact Information: Cynthia Chen, qchen@nsf.gov, 703-292-2563

53. Clean Diesel Funding Assistance Program

Keywords: Transportation, Environment, Emissions, Maritime, Diesel

Assistance Type: Discretionary Grant

Agency: Environmental Protection Agency

Purpose: To achieve significant reductions in diesel emissions in terms of tons of pollution produced by diesel engines and diesel emissions exposure, particularly from fleets operating at or servicing goods movement facilities located in areas designated as having poor air quality.

Award Ceiling: The amount of federal funding requested by an applicant must not exceed the amount specified for each Region specific in the [RFP](#).

Authorization: Diesel Emissions Reduction Act, 2010.

Website: <https://www.epa.gov/cleandiesel/clean-diesel-national-grants>

Contact Information: Faye Swift, swift.faye@epa.gov, 202-343-9147

54. Congestion Mitigation & Air Quality Improvement (CMAQ) Program

Keywords: Air Quality, Congestion, Transportation, Environment

Assistance Type: Formula Grant

Agency: Department of Transportation, Federal Highway Administration

Purpose: To fund transportation projects or programs that will contribute to attainment or maintenance of the National Ambient Air Quality Standards (NAAQS) for ozone (O₃), carbon monoxide (CO), and particulate matter (both PM₁₀ and PM_{2.5}).

Award Ceiling: N/A

Authorization: Fixing America's Surface Transportation (FAST) Act, 2015

Website: http://www.fhwa.dot.gov/environment/air_quality/cmaq/

Contact Information: Mark Glaze, mark.glaze@dot.gov, 202-366-4053

55. Emergency Relief Program

Keywords: Transportation, Emergency, Disaster, Roads

Assistance Type: Grant

Agency: Department of Transportation, Federal Highway Administration

Purpose: To provide funding for emergency repairs and permanent repairs on Federal-aid highways and roads on Federal lands that the Secretary finds have suffered serious damage because of natural disasters or catastrophic failure from an external cause.

Award Ceiling: N/A

Authorization: Fixing America's Surface Transportation (FAST) Act, 2015

Website: https://www.fhwa.dot.gov/specialfunding/er/fastact_qa.cfm

Contact Information: Greg Wolf, Office of Program Administration, Greg.Wolf@dot.gov, 202-366-4655

56. Engineering for Natural Hazards (ENH)

Keywords: Infrastructure, Resilience, Natural Hazards

Assistance Type: Discretionary Grant

Agency: National Science Foundation

Purpose: To prevent natural hazards from becoming disasters, and to broaden consideration of natural hazards independently to the consideration of the multi-hazard environment within which the constructed civil infrastructure exists. Natural hazards considered by the ENH program include earthquakes, windstorms (such as tornadoes and hurricanes), tsunamis, storm surge, and landslides. The constructed civil infrastructure supported by the ENH program includes building systems, such as the soil-foundation-structure-envelope-nonstructural system, as well as the façade and roofing, and other structures, geostructures, and underground facilities, such as tunnels.

Award Ceiling: N/A

Authorization: N/A

Website: https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505177

Contact Information: Joy M. Pauschke, jpauschk@nsf.gov, 703-292-7024; Richard J. Fragaszy, rfragasz@nsf.gov, 703-292-7011

57. Federal Ship Financing Program (Title XI)

Keywords: Transportation, Vessel, Maritime

Assistance Type: Loan or Bond Guarantee

Agency: Department of Transportation, Maritime Administration

Purpose: To provide for a full faith and credit guarantee by the United States Government to promote the growth and modernization of the U.S. merchant marine and U.S. shipyards. The Federal Ship Financing Program (commonly referred to as "Title XI") promotes U.S. Merchant Marine fleet and U.S. shipyard growth and modernization. Through long term debt repayment guarantees, the Program encourages U.S. shipowners to obtain new vessels from U. S. shipyards cost effectively. It also assists U.S. shipyards with modernizing their facilities for building and repairing vessels. The repayment term allowed under the program generally is much longer and the interest rates are lower than those available from the commercial lending market because the obligations guaranteed by the U.S. Government.

Award Ceiling: N/A

Authorization: Regular credit subsidy appropriations. Appropriations are "no year" (i.e. they do not remain available to the program until spent).

Website: <http://www.marad.dot.gov/ships-and-shipping/federal-ship-financing-title-xi-program-homepage/>

Contact Information: David M. Gilmore, marinefinancing@dot.gov, 202-366-5737

58. Ferry Boat Formula Program (FBFP)

Keywords: Transportation, Ferry, Maritime

Assistance Type: Formula Grant, using BTS National Census of Ferry Operators

Agency: Department of Transportation, Federal Highway Administration

Purpose: To construct/improve ferry boats or terminals where it is not feasible to build a bridge, tunnel, combination thereof, or other normal highway structure in lieu of the use of such ferry.

Award Ceiling: N/A

Authorization: Fixing America's Surface Transportation (FAST) Act, 2015

Website: <https://www.fhwa.dot.gov/fastact/factsheets/ferryboatfs.cfm>

Contact Information: David Bartz, FHWA, David.Bartz@dot.gov, 512-536-5906

59. Grant Anticipation Revenue Vehicles (GARVEES)

Keywords: Transportation, Roads, Rail

Assistance Type: Bonds Repaid, all or in part, by future Federal-aid funds

Agency: Department of Transportation, Federal Highway Administration

Purpose: To allow states to loan their Federal-aid formula funds to public or private borrowers to build an eligible surface transportation facility. States have the flexibility to negotiate interest rates, repayment schedules, and other loan terms, except that repayments must begin within five years after project completion and be repaid within 30 years after Federal funds were authorized. Amounts repaid to a State can be spent on further eligible projects without further Federal requirements.

Award Ceiling: N/A

Authorization: National Highway System Designation Act of 1995, Section 123 of Title 23

Website: http://www.fhwa.dot.gov/ipd/finance/tools_programs/federal_debt_financing/garvees/index.htm

Contact Information: Mark Sullivan, FHWA Center for Innovative Finance Support, mark.sullivan@dot.gov, 202-366-5785

60. Infrastructure for Rebuilding America (INFRA) Grants

Keywords: Ports, Transportation, Infrastructure, Maritime, Roads, Rail

Assistance Type: Discretionary Grant

Agency: Department of Transportation, Office of the Secretary of Transportation

Purpose: INFRA advances a pre-existing grant program established in the FAST Act of 2015 and utilizes updated criteria to evaluate projects to align them with national and regional economic vitality goals and to leverage additional non-federal funding. This program was previously known as TIGER (Transportation Investment Generating Economic Recovery) Discretionary Grants.

Award Ceiling: Approximately, \$710 million of FY 2017 funds are available for INFRA awards. The Department anticipates that approximately \$810-855 million of FY 2018 funds will be available for awards, but that total is uncertain because the Department is issuing this notice before appropriations legislation has been enacted for FY 2018.

Authorization: Fixing America's Surface Transportation (FAST) Act, 2015

Website: <https://www.transportation.gov/buildamerica/infra/grants>
<https://www.transportation.gov/buildamerica/infra/infra-notice-funding-opportunity>

Contact Information: For information about highway projects, Contact Information Crystal Jones, crystal.jones@dot.gov, 202-366-2976. For information about maritime projects, Contact Information Robert Bouchard, Robert.bouchard@dot.gov, 202-366-2976. For information about rail projects, Contact Information Stephanie Lawrence, Stephanie.lawrence@dot.gov, 202-493-1396. For all other questions, Contact Information Howard Hill, howard.hill@dot.gov, 202-366-0301. A TDD is available for individuals who are deaf or hard of heard at 202-366-3993.

61. Infrastructure Management and Extreme Events (IMEE)

Keywords: Resilience, Infrastructure

Assistance Type: Discretionary Grant

Agency: National Science Foundation

Purpose: The program is focused upon research on the mitigation of, preparedness for, response to, and recovery from multi-hazard disasters. Community and societal resilience and sustainability are important topics within the research portfolio of IMEE. The program is deeply multidisciplinary and attempts to integrate multiple issues from civil, mechanical, transportation, and system engineering, sociology, psychology, economics, geography, political science, urban planning, epidemiology, natural and physical science, and computer science.

Award Ceiling: N/A

Authorization: N/A

Website: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13353

Contact Information: David Mendonça, mendonca@nsf.gov, 703-292-4222

62. Marine Highway Grants

Keywords: Ports, Infrastructure, Maritime, Development

Assistance Type: Cooperative Agreements/Project Grants

Agency: Department of Transportation, Maritime Administration

Purpose: Assistance will be used to expand the use of water transportation through designated Marine Highway Projects to create new or expand existing services along designed Marine Highway Routes. Components of projects that are eligible for grant funding include the following: port and terminal infrastructure, cargo, efficiency or capacity improvements, investments that improve environmental sustainability, new or used vessel purchase, lease or modification, Marine Highway demonstration projects of a limited duration, and planning, preparation and design efforts in support of Marine Highway Projects. Only sponsors of designated Marine Highway Projects are eligible to apply for Marine Highway Grants.

Award Ceiling: N/A

Authorization: The Consolidated Appropriations Act of 2017, Pub. L. 115–31. This authorization appropriated \$5,000,000 to the Short Sea Transportation Program, commonly referred to as “America’s Marine Highway Program” (AMHP).

Website:

<https://www.cfda.gov/index?s=program&mode=form&tab=step1&id=de139bdf330cdf8166d8eedfc0437c3f>

Contact Information: Fred Jones, Fred.Jones@dot.gov, 202-366-1123

63. Maritime Environmental and Technical Assistance (META) Program

Keywords: Transportation, Environment, Maritime

Assistance Type: Cooperative Agreement

Agency: Department of Transportation, Maritime Administration

Purpose: The META program promotes the research, demonstration, and development of technologies and processes that improve maritime industry environmental sustainability. Since its inception, META’s primary focus areas have been control of aquatic invasive species transported by vessels, and reduction in vessel and port air emissions. These two areas present significant continuing challenges for ship owners and operators, the regulatory community and the public. As other maritime environmental issues emerge, additional areas of study may be included. For example, one emerging issue is noise impacts from marine vessels and port activities. Through the META Program, MARAD partners with Federal, state, and local agencies, the maritime industry and academia, to develop and carry out projects that provide all stakeholders with useful information and insight on maritime environmental issues.

Award Ceiling: N/A

Authorization: Coast Guard and Maritime Transportation Act, 2012

Website: <http://www.marad.dot.gov/environment-and-safety/office-of-environment/environmental-technology-assistance-initiative/>

Contact Information: Daniel Yuska, Daniel.Yuska@dot.gov, 202-366-0714

64. National Highway Performance Program

Keywords: Transportation, Roads, Highway

Assistance Type: Formula Grant

Agency: Department of Transportation, Federal Highway Administration

Purpose: (1) to provide support for the condition and performance of the National Highway System (NHS); (2) to provide support for the construction of new facilities on the NHS; and (3) to ensure that investments of Federal-aid funds in highway construction are directed to support progress toward the achievement of performance targets established in a State's asset management plan for the NHS.

Award Ceiling: N/A

Authorization: Fixing America's Surface Transportation (FAST) Act, 2015

Website: <https://www.fhwa.dot.gov/specialfunding/nhpp/160309.cfm>

Contact Information: David Bartz, Federal Aid Highway Program, David.Bartz@dot.gov, 512-536-5906

65. Passenger Ferry Grant Program

Keywords: Transportation, Ferry, Maritime

Assistance Type: Discretionary Grant

Agency: Department of Transportation, Federal Transit Administration

Purpose: Provides competitive funding for projects supporting passenger ferry systems in urbanized areas. These funds constitute a core investment in the enhancement and revitalization of public ferry systems in the nation's urbanized areas. Funds are awarded based on factors such as the age and condition of existing ferry boats, terminals and related infrastructure; benefits to riders, such as increased reliability; project readiness; and connectivity to other modes of transportation

Award Ceiling: N/A

Authorization: Moving Ahead for Progress in the 21st Century (MAP-21) and the Fixing America's Surface Transportation (FAST) Act

Website: <https://www.transit.dot.gov/funding/grants/passenger-ferry-grant-program-section-5307>

Contact Information: Vanessa Williams, Transportation Program Specialist, vanessa.williams@dot.gov, 202-366-4818

66. Ports & Waterways Construction

Keywords: Infrastructure, Ports, Construction, Navigation, Maritime

Assistance Type: Direct Congressional appropriation w/local match

Agency: U.S. Army Corps of Engineers

Purpose: To provide technical planning, engineering, design, and project management expertise for construction projects, to address critical water resource issues, including navigation, flood mitigation, environmental restoration, hydropower & water supply, and other authorized purposes on the Mississippi River and its tributaries.

Authorization: Annual Appropriations Bills (Project specific authorizations)

Award Ceiling: N/A

Website: <http://www.usace.army.mil/Missions/CivilWorks.aspx>

Contact Information: Local USACE District

67. Private Activity Bonds (PABs)

Keywords: Transportation, Infrastructure, Roads, Rails, Port Development

Assistance Type: Tax Exempt Bond Issuance

Agency: Department of Transportation, Federal Highway & Transit Administrations

Purpose: To provide maximum flexibility in the Secretary's award of the \$15 billion bonding authority and increase public-private partnerships or essentially private involvement in infrastructure development.

Award Ceiling: N/A

Authorization: Safe Accountable Flexible Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU), 2005

Website:

http://www.fhwa.dot.gov/ipd/finance/tools_programs/federal_debt_financing/private_activity_bonds/

Contact Information: Mr. Paul Baumer, paul.baumer@dot.gov, 202-366-1092

68. Railroad Rehabilitation & Improvement Finance (RRIF)

Keywords: Transportation, Rail

Assistance Type: Direct Loans/Loan Guarantees

Agency: Department of Transportation, Federal Railroad Administration

Purpose: To provide financing for the development of railroad infrastructure. Under this program the FRA Administrator is authorized to provide direct loans and loan guarantees up to \$35 billion to finance development of railroad infrastructure. Not less than \$7 billion is reserved for projects benefiting freight railroads other than Class I carriers. The funding may be used to:

- Acquire, improve, or rehabilitate intermodal or rail equipment or facilities, including track, components of track, bridges, yards, buildings and shops;
- Refinance outstanding debt incurred for the purposes listed above; and
- Develop or establish new intermodal or railroad facilities
- Direct loans can fund up to 100 percent of a railroad project with repayment periods of up to 35 years and interest rates equal to the cost of borrowing to the government.

Award Ceiling: N/A

Authorization: Title V of the Railroad Revitalization and Regulatory Reform Act of 1976, as amended (45 U.S.C. § 821 et seq.)

Website: <https://www.transportation.gov/buildamerica/programs-services/rrif>

Contact Information: BuildAmerica@dot.gov, 202-366-2300

69. Section 129 Loans – Federal Credit Assistance Tools

Keywords: Transportation, Roads

Assistance Type: Loan Leverage Tool

Agency: Department of Transportation, Federal Highway Administration

Purpose: To allow states to leverage additional transportation resources and recycle assistance to other eligible projects. States have the flexibility to negotiate interest rates and other terms of Section 129 loans.

Award Ceiling: N/A

Authorization: Intermodal Surface Transportation Efficiency Act, 1991; amended by the National Highway System Designation Act, 1995

Website:

http://www.fhwa.dot.gov/ipd/finance/tools_programs/federal_credit_assistance/section_129/index.htm

Contact Information: Mark Sullivan, Team Leader, FHWA Office of Innovative Program Delivery, Mark.sullivan@dot.gov, 202-366-5785

70. Small Shipyard Grant Program

Keywords: Transportation, Vessel, Maritime

Assistance Type: Discretionary Grant

Agency: Department of Transportation, Maritime Administration

Purpose: To make grants available for capital and related improvements for qualified shipyard facilities that will be effective in fostering efficiency, competitive operations, and quality ship construction, repair, and reconfiguration. Grant funds may also be used for maritime training programs to foster technical skills and operational productivity in communities whose economies are related to or dependent upon the maritime industry.

Award Ceiling: N/A

Authorization: Duncan Hunter National Defense Authorization Act

Website: <https://www.marad.dot.gov/ships-and-shipping/small-shipyard-grants/>

Contact Information: David Heller, MARAD Office of Shipyards, David.Heller@dot.gov, 202-366-1850

71.State Infrastructure Banks (SIBs)

Keywords: Transportation, Public-Private-Partnerships, Roads, Rail

Assistance Type: Loan Leverage Tool

Agency: Department of Transportation, Federal Highway Administration

Purpose: State Infrastructure Banks are revolving infrastructure investment funds for surface transportation that are established and administered by states. A SIB, much like a private bank, can offer a range of loans and credit assistance enhancement products to public and private sponsors of title 23 highway construction projects, Title 49 transit capital projects, and Title 49 (subtitle V) railroad projects. The requirements of titles 23 and 49 apply to SIB repayments from Federal and non-Federal sources. All repayments are considered to be Federal funds.

Award Ceiling: N/A

Authorization: Title 23 of the U.S. Code

Website: https://www.fhwa.dot.gov/ipd/finance/tools_programs/federal_credit_assistance/sibs/

Contact Information: Frederick Werner, Frederick.werner@dot.gov, 404-562-3680

72.Structural and Architectural Engineering and Materials (SAEM)

Keywords: Infrastructure, Environment, Resilience, Research

Assistance Type: Discretionary Grant

Agency: National Science Foundation

Purpose: The goal of PD 15-1637, the Structural and Architectural Engineering and Materials (SAEM) program is to enable sustainable buildings and other structures that can be continuously occupied and/or operated during the structure's useful life. The SAEM program supports fundamental research for advancing knowledge and innovation in structural and architectural engineering and materials that promotes a holistic approach to analysis and design, construction, operation, maintenance, retrofit, and repair of structures.

Award Ceiling: N/A

Authorization: N/A

Website: https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13358

Contact Information: Yick G. Hsuan, yhsuan@nsf.gov, 703-292-8360

73.Surface Transportation Block Grant Program

Keywords: Transportation, Roads

Assistance Type: Formula Grant

Agency: Department of Transportation, Federal Highway Administration

Purpose: To provide flexible funding for States and localities to preserve and improve the conditions and performance on any Federal-aid highway, bridge and tunnel projects on any public road, pedestrian and bicycle infrastructure, and transit capital projects, including intercity bus terminals.

Award Ceiling: N/A

Authorization: Fixing America's Surface Transportation (FAST) Act, 2015

Website: <https://www.fhwa.dot.gov/specialfunding/stp/160307.cfm>

Contact Information: David Bartz, Federal Aid Highway Program, David.Bartz@dot.gov, 512-536-5906

74.Transportation Alternatives Set-Aside

Keywords: Transportation, Bicycles, Pedestrian, Roads, Rail, Ports

Assistance Type: Formula Grant

Agency: Department of Transportation, Federal Highway Administration

Purpose: To provide funding for programs and projects defined as transportation alternatives, including on- and off-road pedestrian and bicycle facilities, infrastructure projects for improving non-driver access to public transportation and enhanced mobility, community improvement activities such as historic preservation and vegetation management, and environmental mitigation; recreational trails program projects; safe routes to school projects; and projects for the planning, design, or construction of boulevards and other roadways largely in the right-of-way of former Interstate System routes or other divided highways.

Award Ceiling: N/A

Authorization: Fixing America's Surface Transportation (FAST) Act, 2015

Website: https://www.fhwa.dot.gov/environment/transportation_alternatives/

Contact Information: Christopher Douwes, FHWA, Community Planner,
Christopher.Douwes@dot.gov, 202-366-5013

75. Transportation Infrastructure Finance & Assistance Act (TIFIA)

Keywords: Transportation, Public-Private-Partnerships, Roads, Rail, Intermodal Facilities, Ports

Assistance Type: Secured Loans, Credit Lines & Loan Guarantees

Agency: Department of Transportation, Build America Bureau

Purpose: To leverage limited Federal resources and stimulate capital market investment in transportation by providing credit assistance in the form of direct loans, loan guarantees, and standby lines of credit (rather than grants) to projects of national or regional significance. Key objectives include: facilitating projects with significant public benefits; encouraging new revenue streams and private participation; filling capital market gaps for secondary/subordinate capital; be a flexible, "patient" investor willing to take on investor concerns about investment horizon, liquidity, predictability and risk; and limiting Federal exposure by relying on market discipline. Rolling application process.

Award Ceiling: N/A

Authorization: Fixing America's Surface Transportation (FAST) Act, 2015

Website: <https://www.transportation.gov/buildamerica/programs-services>

Contact Information: Roger Bohnert, BuildAmerica@dot.gov, 202-366-2300

76. USACE Broad Agency Announcement (BAA)

Keywords: Infrastructure, Ports, Maritime, Wetlands, Dredging

Assistance Type: Discretionary Grant

Agency: U.S. Army Corps of Engineers, Engineer Research & Development Center (ERDC)

Purpose: To conduct research in hydraulics, dredging, coastal engineering, instrumentation, oceanography, remote sensing, geotechnical engineering, earthquake engineering, soil effects, vehicle mobility, self-contained munitions, military engineering, geophysics, pavements, protective structures, aquatic plants, water quality, dredged material, treatment of hazardous waste, wetlands, and other various related processes.

Award Ceiling: N/A

Authorization: Water Resources Reform and Development Act, 2014

Website:

<https://www.fbo.gov/index?s=opportunity&mode=form&id=e6ba2a5670c2191885b176606856288b&tab=core&cview=0>

Contact Information: Michael G. Lee, Contract Specialist, 601-634-3903,
michael.g.lee@usace.army.mil

77. USACE Continuing Authorities Program (CAP)

Keywords: Infrastructure, Community, Erosion, Storm Damage, Resilience, Flood Control, Navigation

Assistance Type: Project Development/Cost Share

Agency: U.S. Army Corps of Engineers

Purpose: To plan and implement projects of limited size, cost, scope and complexity. Project purposes include: streambank and shoreline erosion protection of public works and non-profit public services, beach erosion and hurricane and storm damage reduction, navigation improvements, shore damage prevention or mitigation caused by Federal navigation projects, beneficial uses of dredged material, flood control, aquatic ecosystem restoration, removal of obstructions, clearing channels for flood control, and project modifications for improvement of the environment.

Award Ceiling: N/A

Authorization: Various

Website: <http://www.nae.usace.army.mil/Missions/Public-Services/Continuing-Authorities-Program/>

Contact Information: US Army Corps of Engineers - District Office Program Manager

78. USACE Flood Plain Management Services (FPMS)

Keywords: Infrastructure, Community, Flood Management, Resilience

Assistance Type: Technical Assistance

Agency: U.S. Army Corps of Engineers

Purpose: To provide technical services relevant to effective flood plain management.

Award Ceiling: N/A

Authorization: Flood Control Act of 1960 (PL 86-645), Section 206

Website: <http://www.iwr.usace.army.mil/Missions/Flood-Risk-Management/Flood-Risk-Management-Program/>

Contact Information: US Army Corps of Engineers - District Office Program Manager

79. USACE Planning Assistance to States Program

Keywords: Infrastructure, Community, Environment, Conservation

Assistance Type: Technical Assistance

Agency: U.S. Army Corps of Engineers

Purpose: To assist the States, local governments, Native American Tribes and other non-Federal entities, in the preparation of comprehensive plans for the development and conservation of water and related land resources.

Award Ceiling: N/A

Authorization: Water Resources Development Act (WRDA) of 2014

Website: http://www.usace.army.mil/Missions/Civil-Works/Project-Partnership-Agreements/templates_pas/

Contact Information: US Army Corps of Engineers - District Office Program Manager

80. Water Infrastructure Finance and Innovation Act (WIFIA)

Keywords: Infrastructure, Water

Assistance Type: Loan

Agency: Environmental Protection Agency

Purpose: To accelerate investment in our nation's water infrastructure by providing long-term, low-cost supplemental loans for regionally and nationally significant projects.

Award Ceiling: \$20 million is the minimum project size for large communities, \$5 million is the minimum project size for small communities

Authorization: The Water Infrastructure Finance and Innovation Act (WIFIA), 2014, Fixing America's Surface Transportation Act, 2015, Water Infrastructure Improvements for the Nation (WIIN) Act, 2016

Website: <https://www.epa.gov/wifia>

Contact Information: Jordan Dorfman, dorfman.jordan@epa.gov, 202-564-0614

Archived Past Opportunities

Centers for Excellence (COE)

Category: Security/Maritime

Assistance Type: Grant/Cost Match

Agency: Department of Homeland Security

Purpose: To provide homeland security agencies with the highly skilled workforce they will need. The DHS University Network is a consortium of COEs that work together to solve complex homeland security problems, including COEs for Risk and Economic Analysis of Terrorism Events.

Authorization: Homeland Security Act of 2002 (Public Law 107-296, as amended by PL108-7xx)

Website: <http://www.grants.gov/view-opportunity.html?dpp=1&oppId=275732>

Contact Information: Office of University Programs, universityprograms@hq.dhs.gov

Coastal & Estuarine Land Conservation Program (CELCP) - FY 2017 Great Lakes Competition

Keywords: Environment, Great Lakes, Conservation, Coastal, Estuarine

Assistance Type: Discretionary Grant

Agency: Department of Commerce, National Oceanic & Atmospheric Administration

Purpose: To solicit grant proposals from eligible Great Lakes States for coastal and estuarine land conservation (land acquisition) projects under the Coastal and Estuarine Land Conservation Program (CELCP). This conservation program provides matching funds to state and local governments to purchase threatened coastal and estuarine lands, or to obtain conservation easements. To be considered, the land must be important ecologically or possess other coastal conservation values such as historic features, scenic views, or recreational opportunities.

Award Ceiling: \$1,500,000

Authorization: Authority for the CELCP is 16 U.S.C. § 1456-1 (Section 307A of the CZMA, formerly authorized under 16 U.S.C. § 1456d).

Website: <http://coast.noaa.gov/czm/landconservation/applying/> or <https://coast.noaa.gov/czm/landconservation/media/celcp2017ffo.pdf>

Contact Information: Elaine Vaudreuil, CELCP Program Manager, Elaine.Vaudreuil@noaa.gov, 240-533-0821 or Elizabeth Mountz, Elizabeth.Mountz@noaa.gov, 240-533-0819

Coastal Science, Engineering & Education for Sustainability (SEES)

Keywords: Environment, Coast, Conservation

Assistance Type: Discretionary Grant

Agency: National Science Foundation

Purpose: To inform societal decisions about the uses of coastal systems, including for economic, aesthetic, recreational, research, and conservation purposes.

Award Ceiling: N/A

Authorization: N/A

Website: https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=504816

Contact Information: Larry H. Weber, lweber@nsf.gov, 703-292-8580

Decision Frameworks for Multi-Hazard Resilient & Sustainable Buildings (RSB)

Category: National Science Foundation

Assistance Type: Grant (No Match)

Keywords: Resilience

Purpose: To advance knowledge for new concepts for multi-hazard resilient and sustainable SFSE building systems using decision frameworks for selection among alternative building system designs.

Website: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=6192&org=NSF

Contact Information: Joy M. Pauschke, jpauschk@nsf.gov, 703-292-7024

Metropolitan Transportation Planning

Category: Department of Transportation, Federal Highway Administration

Assistance Type: Formula Grant

Keywords: Roadway & Railway Corridors, Port Development

Purpose: To establish a cooperative, continuous, and comprehensive framework for making transportation investment decisions in metropolitan areas. Program oversight is a joint Federal Highway Administration/Federal Transit Administration responsibility.

Website: <http://www.fhwa.dot.gov/map21/mp.cfm>

Contact Information: Harlan Miller, Harlan.Miller@dot.gov, 202-366-0847

Authorization: Moving Ahead for Progress in the 21st Century (MAP-21), 2012

Marine & Hydrokinetic Systems Perf Advancement II: Comp. Metric Validation

Category: Department of Energy

Assistance Type: Cooperative Agreements/Cost Share requirements

Keywords: Energy/Maritime

Purpose: The topic areas aim to increase annual energy production through greater conversion efficiencies; increase availability through greater reliability and survivability; and reduce the cost of capital expenses, as well as operations and maintenance through increased manufacturability, and increased applicability. The three topic areas are advanced controls, cross-cutting power take-off components and innovative structures.

Website: <https://eere-exchange.energy.gov/#FoaId4922e9f6-b905-4108-89a7-849b8dfcbb3b>

Authorization: U.S. DOE/Office of Energy Efficiency and Renewable Energy

FY16 Pre-Disaster Mitigation

Category: Department of Homeland Security, Federal Emergency Management Agency

Assistance Type: Grant/Cost-Match

Keywords: Resilience

Purpose: To implement and sustain cost-effective measures designed to reduce the risk to individuals and property from natural hazards, while also reducing reliance on Federal funding from future disasters.

Website: <https://www.fema.gov/pre-disaster-mitigation-grant-program>

Contact Information: MTeGrants@fema.dhs.gov

Authorization: Robert T. Stafford Disaster Relief and Emergency Assistance Act, Public Law 93-288, as amended, (42 U.S.C. 5133)

FY16 Flood Mitigation Assistance

Category: Department of Homeland Security, Federal Emergency Management Agency

Assistance Type: Grant/Cost-Match

Keywords: Resilience

Purpose: To assist States, territories, federally-recognized tribes, and local communities to implement a sustained pre-disaster natural hazard mitigation program to reduce overall risk to the population and structures from future hazard events, while also reducing reliance on Federal funding in future disasters.

Website: http://www.fema.gov/media-library-data/1424983165449-38f5dfc69c0bd4ea8a161e8bb7b79553/HMA_Guidance_022715_508.pdf

Contact Information: MTeGrants@fema.dhs.gov

Authorization: Section 1366 of the National Flood Insurance Act of 1968, as amended (NFIA), 42 U.S.C. 4104c

2015 Special Projects Competitive Funding Announcement – Conferences & Workshops

Category: Department of Commerce, National Oceanic & Atmospheric Administration

Assistance Type: Grant/Cost-Match

Keywords: Education/Maritime

Purpose: To support proposals for conferences or workshops addressing regional or national issues and with regional or national participation.

Website:

[http://seagrant.noaa.gov/FundingFellowships/NationalStrategicInvestments\(NSIs\)/SpecialProjects/ConferencesWorkshops.aspx](http://seagrant.noaa.gov/FundingFellowships/NationalStrategicInvestments(NSIs)/SpecialProjects/ConferencesWorkshops.aspx)

Contact Information: oar.hq.sg.competitions@noaa.gov

Authorization: None

Natural Hazards Engineering Research Infrastructure (NHERI)

Keywords: Resilience, Natural Hazards, Infrastructure

Assistance Type: Discretionary Grant

Agency: National Science Foundation

Purpose: To provide the natural hazards engineering community with access to research infrastructure (earthquake and wind engineering experimental facilities, cyberinfrastructure, computational modeling and simulation tools, and research data), coupled with education and community outreach activities. NHERI will enable research and educational advances that can contribute knowledge and innovation for the nation's Universities and Colleges - Universities and two- and four-year colleges (including community colleges) accredited in, and having a campus located in, the US acting on behalf of their faculty members. Such organizations also are referred to as academic institutions.

Award Ceiling: N/A

Authorization: N/A

Website: https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503259

Contact Information: Joy M. Pauschke, jpauschk@nsf.gov, 703-292-7024; Richard J. Fragaszy, rfragasz@nsf.gov, 703-292-7011

Next Generation Marine Energy Systems – Durability & Survivability

Category: Department of Energy

Assistance Type: Only a request for information to provide input for future funding opportunity

Keywords: Energy/Maritime

Purpose: To improve system cost characteristics (i.e. Initial capital costs (ICC), Operational Expenditures (OPEX), Availability, and System Life) by reducing the risk and uncertainty that drives conservatism in design and premature failures in operations. Projects awarded under Topic Area 1 will reduce ICC or extend system life by developing system designs and defining the conditions for survival.

Website: <https://eere-exchange.energy.gov/#FoaIdfe65b096-e243-42b5-b4ff-9bb04f5e8389>

Authorization: U.S. DOE/Office of Energy Efficiency and Renewable Energy

Off-Hours Freight Delivery

Keywords: Transportation, Infrastructure, Freight Planning

Assistance Type: Grant/Cost-Match

Agency: Department of Transportation, Federal Highway Administration

Purpose: The general objective of the program is to undertake surface transportation research, development, and technology deployment activities to promote innovation in transportation infrastructure, services, and operations.

Award Ceiling: \$150,000

Authorization: Section 5101(a)(1) of the Safe Accountable Flexible Efficient Transportation Equity Act: A legacy for Users (SAFETEA-LU) (P. L. 109-59)

Website: <https://www.grants.gov/web/grants/view-opportunity.html?oppId=255174>

Contact Information: Tamiko Brunell, Tamiko.Burnell@dot.gov, 202-366-1200

Projects of National & Regional Significance (General Fund)

Keywords: Transportation, Freight, Roads, Rail, Ports

Assistance Type: Increased Federal Share

Agency: Department of Transportation, Federal Highway Administration

Purpose: To quantitatively improve the throughput or provide long term congestion relief for passenger or freight movement for a part of the transportation network and clearly connect this improvement to sustainable economic productivity for the nation or the region in which it is located.

Award Ceiling: N/A

Authorization: Moving Ahead for Progress in the 21st Century (MAP-21), 2012

Website: https://ops.fhwa.dot.gov/Freight/infrastructure/nat_reg_sig/index.htm

Contact Information: Tamiko Burnell, FHWA Office of Freight Management and Operations, Tamiko.Burnell@dot.gov, 202-366-1200

RFI: Facilitating the Development of the Offshore Wind Industry in the U.S.

Category: Department of Energy

Assistance Type: Only a request for information to provide input for future funding opportunity

Keywords: Energy/Maritime

Purpose: To assist the WWPTO in its strategic approach to pursuing the paths forward presented in the 2015 Wind Vision: A New Era for Wind Power in the United States report.

Website: <https://eere-exchange.energy.gov/#FoaIdf3c5d489-270d-404c-afec-5b1dac95d8a5>

Authorization: U.S. DOE/Office of Energy Efficiency and Renewable Energy

University Transportation Centers (UTC) Program

Keywords: Transportation, Maritime, Education

Assistance Type: Discretionary Grant

Agency: Department of Transportation

Purpose: The UTC Program both sustains existing and establishes new and vital initiatives in research, education and workforce development, and technology transfer that have benefited the U.S. traveling public and its transportation system over the years. Each UTC is a consortium of two- and four-year colleges and universities that come together to form a unique center of transportation excellence on a specific research topic. Together, they advance U.S. technology and expertise in the many disciplines comprising transportation through education, solutions-oriented research and technology transfer, and the exploration and sharing of cutting-edge ideas and approaches. Although focused on surface transportation, the UTC Program includes maritime where it and surface intersect, such as in port access, intermodal logistics, and transportation-system resilience.

Award Ceiling: N/A

Authorization: FAST Act of 2015

Website: <https://www.grants.gov/web/grants/search-grants.html?keywords=maritime>, <https://www.transportation.gov/utc/>

Contact Information: Caesar Singh, Director of University Grants Programs, Caesar.singh@dot.gov, 202-366-3252

Frequently Asked Questions

❖ I've never applied for federal funding before. What do I need to know?

When considering grants, programs can be broadly categorized as those awarded by the federal government and those awarded by non-federal entities. Within these two categories are a variety of funding sources and program types:

- **Federal Grants, Funding & Benefit Programs**: To sort through the federal grant programs, the authoritative source is the [Catalog of Federal Domestic Assistance \(CFDA\)](#). This catalog lists all of the available funding programs to all levels of government, nonprofit organizations, for-profit businesses, and other eligible entities. [Search Grants](#) within Grants.gov allows you to search, filter, and apply for specific opportunities to receive funding from one of these programs.
- **Non-Federal Grant Programs**: There are many nonprofit organizations and for-profit businesses that also provide grants or other types of funding assistance.
 - The [Foundation Center](#) maintains a comprehensive database on U.S. and global grant-makers and their funding opportunities. It also operates research, education, and training programs designed to advance knowledge of philanthropy at every level.
 - The [Funding Information Network](#) facilitates access to grant resources and publications to under-resourced entities and populations.
 - State and regional directories can also be found with some research. Try using the [Community Foundation Locator](#) to find a grant-making foundation in your region. You may also use your preferred web search engine to find your state's grant or foundation directory. Local libraries may have access to subscription-based search engines or the Foundation Center Cooperating Collections, so visit your library to work with them for assistance.

Note: The information above on Non-Federal Grant Programs is not exhausted, and we are not affiliated with, nor endorsing, any of these resources. They are provided as a convenience to prospective grant applicants.

❖ What is Federal Financial Assistance?

For grants and cooperative agreements, Federal financial assistance means assistance that non-Federal entities receive or administer in the form of:

- Grants
- Cooperative agreements
- Non-cash contributions or donations of property (including donated surplus property)
- Direct appropriations
- Food commodities
- Other financial assistance (except assistance listed in paragraph (b) of this section).

Federal financial assistance also includes assistance that non-Federal entities receive or administer in the form of:

- Loan
- Loan Guarantees
- Interest subsidies
- Insurance

Federal financial assistance does not include amounts received as reimbursement for services rendered to individuals as described in § 200.502 Basis for determining Federal awards expended

❖ **How do I search for grant opportunities?**

[Grants.gov](https://www.grants.gov) is designed to enable federal grant-making agencies to create funding opportunities and applicants to find and apply for these federal grants. The Grants.gov Online User Guide provides explanations and step-by-step instructions for both applicants and grantors to complete these processes.

❖ **How can I determine if I'm eligible to apply for a grant opportunity?**

Before beginning the application process, you should make sure you or your organization is eligible to apply for the grant. For the full legal eligibility requirements, carefully read the Application Instructions that are attached to every funding opportunity in Grants.gov. The awarding agencies define eligibility in those instructions, and they may also summarize the eligibility in the Synopsis Details section.

If you don't double check that you are eligible in the Application Instructions, you could waste a lot of time and money completing the application process for a grant you cannot legally receive, regardless of how well you write your application.

Note: Most funding opportunities on Grants.gov are only eligible to organizations, but there are opportunities for individuals.

❖ **How do I apply for grant opportunities?**

Before applying for a funding opportunity, you need to register with Grants.gov. Instructions for registering can be found on the following website:
<https://www.grants.gov/web/grants/applicants/individual-registration.html>.

To register as an organization applicant in Grants.gov, you'll need to acquire a free Data Universal Numbering System (DUNS) number. A DUNS number is a unique nine-digit identification number used to identify your organization. The federal government uses the DUNS number to track how federal money is allocated. Instructions for registering for a DUNS number can be found on the following website:
<https://www.grants.gov/web/grants/applicants/organization-registration/step-1-obtain-duns-number.html>.

The second step of registering as an organization application is registering with the System for Award Management (SAM). SAM is a web-based, government-wide application that collects, validates, stores, and disseminates business information about the federal government's trading partners in support of the contract awards, grants, and electronic payment processes. For more information, visit the following website: <https://www.grants.gov/web/grants/applicants/organization-registration/step-2-register-with-sam.html>

Note: New registration can take an average of 7-10 business days to process.

❖ **What if I have more questions?**

Grants.gov has an extensive Frequently Asked Questions by Applicants page on their website: <https://www.grants.gov/web/grants/applicants/applicant-faqs.html>. In addition, the Grants.gov Support Page provides further information: <https://www.grants.gov/web/grants/support.html>

Handbook Disclaimer

This document is a compilation of existing and recent Federal funding programs. It is provided as a resource. No particular program is endorsed nor are the programs listed herein all-inclusive. It includes current and recent programs whose application deadlines may have passed. Current funding does not guarantee future funding.

Grant applications cannot be filed through the CMTS, nor can the CMTS assist in the application. The required materials for grant applications must be provided to the targeted funding program or through Grants.gov as directed. We recommend that you review www.Grants.gov for other applicable programs and various submission requirements such as <http://www.epa.gov/ogd/guide/language.html>. To aid in accuracy, the information for each program in this handbook was taken from the program's instruction for application (e.g., Grants.gov) or from the program's website. Contact Information the funding program manager to determine if a program meets the needs of your project.

FHWA program funding is typically formula-based and data-driven. Hence, it typically passes through the State or a metropolitan planning organization (MPO). Interested parties may wish to work collaboratively with their respective State Department of Transportation or a MPO. The same goes for FEMA grants where in many cases applicants work with their regional offices.

Use of this Handbook does not negate the need for all development and construction projects involving Federal funding to be compliant with National Environmental Protection Act; related environmental laws; and all other required permits.

Finally, please review Federal Acquisition Regulations and The Federal Funding Accountability and Transparency Act, 2006, to consider and be aware of acquisition, funding and reporting guidelines.

Appendices

APPENDIX A: Glossary of Terms

Applicant: Any user registered with an applicant account type. See also Individual Applicant and Organization Applicant

Application Package: A group of specific forms and documents for a specific funding opportunity which are used to apply for a grant. The Application Package is the full, downloaded PDF, which includes all of the forms and attachments required to submit the application.

Application Package Template: One or more forms and documents which can be reused for multiple opportunity-specific application packages.

Authorized Organization Representative (AOR): A member of an organization who is approved by the EBiz POC to submit grant applications in Grants.gov on behalf of the organization. Only an AOR has the authority to sign and submit grant applications. See also Authorized Applicant (AOR) role

Award: Financial assistance that provides support or stimulation to accomplish a public purpose. Awards include grants and other agreements in the form of money or property in lieu of money, by the federal government to an eligible recipient. The term does not include: technical assistance, which provides services instead of money; other assistance in the form of loans, loan guarantees, interest subsidies, or insurance; direct payments of any kind to individuals; and contracts which are required to be entered into and administered under federal procurement laws and regulations.

Budget: The financial plan for the project or program that the Federal awarding agency or pass-through entity approves during the Federal award process or in subsequent amendments to the Federal award. It may include the Federal and non-Federal share or only the Federal share, as determined by the Federal awarding agency or pass-through entity.

Catalog of Federal Domestic Assistance (CFDA) number: The number assigned to a Federal program in the CFDA.

CFDA program title: The title of the program under which the Federal award was funded in the CFDA.

Close Date: The deadline designated by the grant-making agency designated for submission of a particular grant application. Also see Grace Period

Closeout: The process by which the Federal awarding agency or pass-through entity determines that all applicable administrative actions and all required work of the Federal award have been completed and takes actions as described in § 200.343 Closeout of the OMB Uniform Grants Guidance.

Continuation Grant: An extension or renewal of existing program funding for one or more additional budget period(s) that would otherwise expire. Continuation grants are typically available to existing recipients of discretionary, multi-year projects; however, new applicants may be considered. Receipt of a continuation grant is usually based on availability of funds, project performance, and compliance with progress and financial reporting requirements. Applications for continuation may compete with other continuation requests submitted to the awarding agency.

Cooperative Agreement: A legal instrument of financial assistance between a Federal awarding agency or pass-through entity and a non-Federal entity that, consistent with 31 U.S.C. 6302–6305:

- Is used to enter into a relationship the principal purpose of which is to transfer anything of value from the Federal awarding agency or pass-through entity to the non-Federal entity to carry out a

public purpose authorized by a law of the United States (see 31 U.S.C. 6101(3)); and not to acquire property or services for the Federal government or pass-through entity's direct benefit or use;

- Is distinguished from a grant in that it provides for substantial involvement between the Federal awarding agency or pass-through entity and the non-Federal entity in carrying out the activity contemplated by the Federal award.
- The term does not include: (1) A cooperative research and development agreement as defined in 15 U.S.C. 3710a; or (2) An agreement that provides only: (i) Direct United States Government cash assistance to an individual; (ii) A subsidy; (iii) A loan; (iv) A loan guarantee; or (v) Insurance.

Cost Sharing or Matching: The portion of project costs not paid by Federal funds (unless otherwise authorized by Federal statute). See also §200.306 Cost sharing or matching of the OMB Uniform Grant Guidance.

Data Universal Numbering System (DUNS) Number: The nine-digit number established and assigned by Dun and Bradstreet, Inc. (D&B) to uniquely identify entities. A non-Federal entity is required to have a DUNS number in order to apply for, receive, and report on a Federal award. A DUNS number may be obtained from D&B by telephone (currently 866-705-5711) or the Internet (currently at <http://fedgov.dnb.com/webform>).

Date of Completion: The date on which all work under an award is completed or the date on the award document, or any supplement or amendment thereto, on which awarding agency sponsorship ends.

Discretionary Grant: A grant (or cooperative agreement) for which the federal awarding agency generally may select the recipient from among all eligible recipients, may decide to make or not make an award based on the programmatic, technical, or scientific content of an application, and can decide the amount of funding to be awarded.

E-Business Point of Contact Information (EBiz POC): A user registered as an organization applicant who is responsible for the administration and management of grant activities for his or her organization. The EBiz POC is likely to be an organization's chief financial officer or authorizing official. The EBiz POC authorizes representatives of their organization. There can only be one EBiz POC per DUNS Number.

Federal Agency: Federal agency means an "agency" as defined at 5 U.S.C. 551(1) and further clarified by 5 U.S.C. 552(f).

Federal Award: Federal award has two definitions, which depend on the context of its use. Paragraphs (a) and (b) explain the context and define the term appropriately.

- a. The Federal financial assistance that a non-Federal entity receives directly from a Federal awarding agency or indirectly from a pass-through entity, as described in § 200.101 Applicability of the OMB Uniform Grant Guidance; or (2) The cost-reimbursement contract under the Federal Acquisition Regulations that a non-Federal entity receives directly from a Federal awarding agency or indirectly from a pass-through entity, as described in § 200.101 Applicability of the OMB Uniform Grant Guidance.
- b. The instrument setting forth the terms and conditions. The instrument is the grant agreement, cooperative agreement, other agreement for assistance covered in paragraph (b) of § 200.40 Federal financial assistance of the OMB Uniform Grant Guidance, or the cost-reimbursement contract awarded under the Federal Acquisition Regulations. (c) Federal award does not include other contracts that a Federal agency uses to buy goods or services from a contractor or a contract to operate Federal government owned, contractor operated facilities (GOCOs). (d) See also definitions of Federal financial assistance, grant agreement, and cooperative agreement.

Federal Award Date: The date when the Federal award is signed by the authorized official of the Federal awarding agency.

Federal Awarding Agency: The Federal agency that provides a Federal award directly to a non-Federal entity. Alternative term: Grant-Making Agency

Federal Financial Assistance: For grants and cooperative agreements, Federal financial assistance means assistance that non-Federal entities receive or administer in the form of:

- Grants
- Cooperative agreements
- Non-cash contributions or donations of property (including donated surplus property)
- Direct appropriations
- Food commodities
- Other financial assistance (except assistance listed in paragraph (b) of this section).

Federal financial assistance also includes assistance that non-Federal entities receive or administer in the form of:

- Loan
- Loan Guarantees
- Interest subsidies
- Insurance

Federal financial assistance does not include amounts received as reimbursement for services rendered to individuals as described in § 200.502.

Federal Program:

- a) All Federal awards which are assigned a single number in the CFDA.
- b) When no CFDA number is assigned, all Federal awards to non-Federal entities from the same agency made for the same purpose should be combined and considered one program.
- c) Notwithstanding paragraphs (a) and (b) of this definition, a cluster of programs. The types of clusters of programs are: Research and development (R&D) Student financial aid (SFA)

Federal Share: The portion of the total project costs that are paid by Federal funds.

Formula Grant: Allocations of federal funding to states, territories, or local units of government determined by distribution formulas in the authorizing legislation and regulations. To receive a formula grant, the entity must meet all the eligibility criteria for the program, which are pre-determined and not open to discretionary funding decisions.

Formula grants typically fund activities of a continuing nature and may not be confined to a specific project. Common elements in formulas include population, proportion of population below the poverty line, and other demographic information.

Funding Opportunity Announcement (FOA): A publicly available document by which a federal agency makes known its intentions to award discretionary grants or cooperative agreements, usually as a result of competition for funds. Funding opportunity announcements may be known as program announcements, notices of funding availability, solicitations, or other names depending on the agency and type of program. Funding opportunity announcements can be found at Grants.gov in the Search Grants tab and on the funding agency's or program's website.

Funding Opportunity Number (FON): The number that a federal agency assigns to its grant announcement.

Funding Period: The period of time when federal funding is available for obligation by the recipient.

Grace Period: A grace period may be created at the grant-making agency's discretion to extend the application submission period. This period reflects the number of days after the closing date that Grants.gov will continue to accept applications for a grant opportunity, for example, an agency might include a grace period to accept revised applications. It also represents the day (Closing Date + Grace Period) that applicants will no longer be able to download the application package. This value is entered by an agency when creating a grant opportunity and is not visible to grant applicants.

Grant Agreement: A legal instrument of financial assistance between a Federal awarding agency or pass-through entity and a non-Federal entity that, consistent with 31 U.S.C. 6302, 6304:

- a) Is used to enter into a relationship the principal purpose of which is to transfer anything of value from the Federal awarding agency or pass-through entity to the non-Federal entity to carry out a public purpose authorized by a law of the United States (see 31 U.S.C. 6101(3)); and not to acquire property or services for the Federal awarding agency or pass-through entity's direct benefit or use.
- b) Is distinguished from a cooperative agreement in that it does not provide for substantial involvement between the Federal awarding agency or pass-through entity and the non-Federal entity in carrying out the activity contemplated by the Federal award.
- c) Does not include an agreement that provides only: (1) Direct United States Government cash assistance to an individual; (2) A subsidy; (3) A loan; (4) A loan guarantee; or (5) Insurance.

Grantor: A user registered on behalf of their federal grant-making agency to post funding opportunities or manage submissions to these funding opportunities.

Grants.gov Tracking Number: A number set used by Grants.gov which is used to identify each application it receives.

Indian Tribe (or federally recognized Indian tribe): Any Indian tribe, band, nation, or other organized group or community, including any Alaska Native village or regional or village corporation as defined in or established pursuant to the Alaska Native Claims Settlement Act (43 U.S.C. Chapter 33), which is recognized as eligible for the special programs and services provided by the United States to Indians because of their status as Indians (25 U.S.C. 450b(e)). See annually published Bureau of Indian Affairs list of Indian Entities Recognized and Eligible to Receive Services.

Individual Applicant: A registered applicant user who submits applications on their own behalf. Individuals sign the grant application and its associated certifications and assurances that are necessary to fulfill the requirements of the application process.

Local Government: Any unit of government within a state, including a: (a) County; (b) Borough; (c) Municipality; (d) City; (e) Town; (f) Township; (g) Parish; (h) Local public authority, including any public housing agency under the United States Housing Act of 1937; (i) Special district; (j) School district; (k) Intrastate district; (l) Council of governments, whether or not incorporated as a nonprofit corporation under state law; and (m) Any other agency or instrumentality of a multi-, regional, or intra-state or local government.

Non-Federal Entities: A state, local government, Indian tribe, institution of higher education (IHE), or nonprofit organization that carries out a Federal award as a recipient or subrecipient.

Opportunity Keywords: A field located on the Grant Opportunity Properties screen within Grants.gov. The Opportunity Keywords field values include Discretionary, Mandatory, Earmark, and Continuation. The Opportunity Keywords field was added to the site to assist Grants.gov with aggregating opportunities and application packages for public and private displays on the site. For example, there are links which show grant opportunities and packages recently posted to the site. Those opportunities and packages with a Keywords type of Earmarked or Continuation will not show up on these public listings.

Organization Applicant: A registered grant applicant user who is working on or submitting applications on behalf of an organization, such as a state government, nonprofit organization, private business, or any other type of institution.

Pass-Through Entity: Pass-through entity means a non-Federal entity that provides a subaward to a subrecipient to carry out part of a Federal program.

Pass-Through Funding: Funds issued by a federal agency to a state agency or institution that are then transferred to other state agencies, units of local government, or other eligible groups per the award eligibility terms. The state agency or institution is referred to as the "prime recipient" of the pass-through funds. The secondary recipients are referred to as "subrecipients". The prime recipient issues the subawards as competitive or noncompetitive as dictated by the prime award terms and authorizing legislation.

Personally Identifiable Information (PII): Information that can be used to distinguish or trace an individual's identity, either alone or when combined with other personal or identifying information that is linked or linkable to a specific individual. Some information that is considered to be PII is available in public sources such as telephone books, public Web sites, and university listings. This type of information is considered to be Public PII and includes, for example, first and last name, address, work telephone number, email address, home telephone number, and general educational credentials. The definition of PII is not anchored to any single Keywords of information or technology. Rather, it requires a case-by-case assessment of the specific risk that an individual can be identified. Non-PII can become PII whenever additional information is made publicly available, in any medium and from any source, that, when combined with other available information, could be used to identify an individual.

Posted Date: The date the grant-making agency published the funding opportunity on Grants.gov.

Profile: Applicant information stored in the Grants.gov system for the purpose of identifying a user.

Project Cost: Total allowable costs incurred under a Federal award and all required cost sharing and voluntary committed cost sharing, including third-party contributions.

Project Period: The period established in the award document during which awarding agency sponsorship begins and ends.

Recipient: A non-Federal entity that receives a Federal award directly from a Federal awarding agency to carry out an activity under a Federal program. The term recipient does not include subrecipients. See also § 200.69 Non-Federal entity in the OMB Uniform Grants Guidance.

Subaward: An award provided by a pass-through entity to a subrecipient for the subrecipient to carry out part of a Federal award received by the pass-through entity. It does not include payments to a contractor or payments to an individual that is a beneficiary of a Federal program. A subaward may be provided through any form of legal agreement, including an agreement that the pass-through entity considers a contract.

System for Award Management (SAM): SAM validates applicant information and electronically shares the secure and encrypted data with the federal agencies' finance offices to facilitate paperless payments through Electronic Funds Transfer (EFT). SAM stores your organizational information, allowing Grants.gov to verify your identity and to pre-fill organizational information on your grant applications.

APPENDIX B: Funding Programs by Alphabetical Order

| | |
|--|-------------|
| • Advanced Research Projects Agency-Energy (ARPA-E) | Program #1 |
| • Advanced Technology Solutions for Unconventional Oil and Gas Development | Program #2 |
| • Biological Oceanography | Program #28 |
| • Business Energy Investment Tax Credit (ITC) | Program #3 |
| • Capital Construction Fund Program | Program #4 |
| • Chemical Oceanography | Program #29 |
| • Civil Infrastructure Systems | Program #52 |
| • Clean Diesel Funding Assistance Program | Program #53 |
| • Coastal Impact Assistance Program | Program #43 |
| • Coastal Program | Program #41 |
| • Coastal Program - Great Lakes Restoration Initiative | Program #45 |
| • Coastal Resilience Grants Program | Program #38 |
| • Congestion Mitigation & Air Quality Improvement (CMAQ) Program | Program #54 |
| • Cooperative Endangered Species Conservation Fund (CESCF) | Program #42 |
| • Critical Resilient Interdependent Infrastructure Systems and Processes (CRISP) | Program #19 |
| • Cyber-Physical Systems (CPS) | Program #20 |
| • DHS S&T Center of Excellence for Cross-Border Threat Screening and Supply Chain Defense – Center Partner | Program #21 |
| • Disaster Loan Assistance | Program #5 |
| • Economic Development Assistance Programs | Program #6 |
| • Emergency Relief Program | Program #55 |
| • Endangered Species Conservation - Recovery Implementation Funds | Program #46 |
| • Energy for Sustainability | Program #7 |
| • Engineering for Natural Hazards (ENH) | Program #56 |
| • Environmental Sustainability | Program #30 |
| • Farm Storage Facility Loan Program | Program #8 |
| • Federal Ship Financing Program (Title XI) | Program #57 |
| • Ferry Boat Formula Program (FBFP) | Program #58 |
| • Fire Prevention & Safety Grant Program | Program #22 |
| • General Small Business Loans (7A) | Program #4 |
| • Geotechnical Engineering & Materials (GEM) | Program #9 |
| • Grant Anticipation Revenue Vehicles (GARVEES) | Program #59 |
| • Homeland Security Grant Program (HSGP) | Program #23 |
| • Improvements in Facilities, Communications & Equipment at Biological Field Stations & Marine Laboratories (FSML) | Program #32 |
| • Infrastructure for Rebuilding America (INFRA) Grants | Program #60 |
| • Infrastructure Management and Extreme Events (IMEE) | Program #61 |
| • Integrated Ocean Observing System (IOOS) Ocean Technology Transition (OTT) Project | Program #39 |
| • Marine Highway Grants | Program #62 |
| • Maritime Environmental and Technical Assistance (META) Program | Program #63 |
| • Maritime Heritage Grants | Program #10 |
| • National Coastal Wetland Conservation Grant Program | Program #44 |
| • National Highway Performance Program | Program #64 |
| • National Priorities: Life Cycle Costs of Water Infrastructure Alternatives | Program #33 |
| • National Wetland Program Development Grants | Program #34 |
| • NOAA Broad Agency Announcement (BAA) | Program #40 |

- [Ocean Drilling \(OD\)](#)Program #4
- [Ocean Freight Reimbursement Program \(OFR\) FY15 & FY16](#)Program #12
- [Ocean Technology & Interdisciplinary Coordination \(OTIC\) Program](#)Program #36
- [Oceanographic Facilities & Equipment Support](#)Program #35
- [Operations Engineering \(OE\) Program](#)Program #37
- [Passenger Ferry Grant Program](#)Program #65
- [Physical Oceanography](#)Program #47
- [Planning Program & Local Technical Assistance Program](#)Program #13
- [Pollution Prevention Grant Program](#)Program #48
- [Port Security Grant Program \(PSGP\)](#)Program #27
- [Ports & Waterways Construction](#)Program #66
- [Prediction of and Resilience against Extreme Events \(PREEVENTS\)](#)Program #14
- [Private Activity Bonds \(PABs\)](#)Program #67
- [Railroad Rehabilitation & Improvement Finance \(RRIF\)](#)Program #68
- [Real Estate & Equipment Loans \(CDC/504\)](#)Program #15
- [Regional Wetland Program Development Grants \(WPDGs\)](#)Program #49
- [Renewable Electricity Production Tax Credit \(PTC\)](#)Program #17
- [Section 129 Loans – Federal Credit Assistance Tools](#)Program #69
- [Secure and Trustworthy Cyberspace \(SaTC\)](#)Program #24
- [Securing the Cities Program](#)Program #25
- [Small Shipyard Grant Program](#)Program #70
- [Source Reduction Assistance Grant Program](#)Program #50
- [State Infrastructure Banks \(SIBs\)](#)Program #71
- [Structural and Architectural Engineering and Materials \(SAEM\)](#)Program #72
- [Surface Transportation Block Grant Program](#)Program #73
- [Targeted Air Shed Grant Program](#)Program #51
- [Transit Security Grant Program \(TSGP\)](#)Program #26
- [Transportation Alternatives Set-Aside](#)Program #74
- [Transportation Infrastructure Finance & Assistance Act \(TIFIA\)](#)Program #75
- [Department of Energy Unsolicited Proposal Office](#)Program #18
- [USACE Broad Agency Announcement \(BAA\)](#)Program #76
- [USACE Continuing Authorities Program \(CAP\)](#)Program #77
- [USACE Flood Plain Management Services \(FPMS\)](#)Program #78
- [USACE Planning Assistance to States Program](#)Program #79
- [Water Infrastructure Finance and Innovation Act \(WIFIA\)](#)Program #80
- [Workforce Innovation and Opportunity Act \(WIOA\) Programs](#)Program #16

APPENDIX C: Funding Programs by Agency

Department of Energy

- [Advanced Research Projects Agency-Energy](#) (ARPA-E)
- [Advanced Technology Solutions for Unconventional Oil and Gas Development](#)
- [Business Energy Investment Tax Credit](#) (ITC)
- [Renewable Electricity Production Tax Credit](#) (PTC)
- [Unsolicited Proposal Office](#)

Department of Homeland Security

- [DHS S&T Center of Excellence for Cross-Border Threat Screening and Supply Chain Defense – Center Partner](#)
- [Fire Prevention & Safety Grant Program](#)
- [Homeland Security Grant Program](#) (HSGP)
- [Port Security Grant Program](#) (PSGP)
- [Securing the Cities Program](#)
- [Transit Security Grant Program](#) (TSGP)

Department of Commerce

Economic Development Administration

- [Economic Development Assistance Programs](#)

National Oceanic and Atmospheric Administration

- [Capital Construction Fund Program](#)
- [Coastal Resilience Grants Program](#)
- [Integrated Ocean Observing System \(IOOS\) Ocean Technology Transition \(OTT\) Project](#)
- [NOAA Broad Agency Announcement](#) (BAA)
- [Planning Program & Local Technical Assistance Program](#)

Small Business Administration

- [Disaster Loan Assistance](#)
- [General Small Business Loans \(7A\)](#)
- [Real Estate & Equipment Loans \(CDC/504\)](#)

Department of Defense

- [Ports & Waterways Construction](#)
- [USACE Broad Agency Announcement](#) (BAA)
- [USACE Continuing Authorities Program](#) (CAP)
- [USACE Flood Plain Management Services](#) (FPMS)
- [USACE Planning Assistance to States Program](#)

Department of the Interior

- [Coastal Impact Assistance Program](#)
- [Coastal Program](#)
- [Coastal Program - Great Lakes Restoration Initiative](#)
- [Cooperative Endangered Species Conservation Fund](#) (CESCF)
- [Endangered Species Conservation - Recovery Implementation Funds](#)
- [Maritime Heritage Grants](#)
- [National Coastal Wetland Conservation Grant Program](#)

Department of Labor

- [Workforce Innovation and Opportunity Act \(WIOA\) Programs](#)

Department of Transportation

- [Marine Highway Grants](#)
- [Congestion Mitigation & Air Quality Improvement \(CMAQ\) Program](#)
- [Emergency Relief Program](#)
- [Federal Ship Financing Program](#) (Title XI)

- [Ferry Boat Formula Program \(FBFP\)](#)
- [Grant Anticipation Revenue Vehicles \(GARVEES\)](#)
- [Infrastructure for Rebuilding America \(INFRA\) Grants](#)
- [Maritime Environmental and Technical Assistance \(META\) Program](#)
- [National Highway Performance Program](#)
- [Passenger Ferry Grant Program](#)
- [Private Activity Bonds \(PABs\)](#)
- [Railroad Rehabilitation & Improvement Finance \(RRIF\)](#)
- [Section 129 Loans – Federal Credit Assistance Tools](#)
- [Small Shipyard Grant Program](#)
- [State Infrastructure Banks \(SIBs\)](#)
- [Surface Transportation Block Grant Program](#)
- [Transportation Alternatives Set-Aside](#)
- [Transportation Infrastructure Finance & Assistance Act \(TIFIA\)](#)

Environmental Protection Agency

- [Clean Diesel Funding Assistance Program](#)
- [National Priorities: Life Cycle Costs of Water Infrastructure Alternatives](#)
- [National Wetland Program Development Grants](#)
- [Pollution Prevention Grant Program](#)
- [Regional Wetland Program Development Grants \(WPDGs\)](#)
- [Source Reduction Assistance Grant Program](#)
- [Targeted Air Shed Grant Program](#)
- [Water Infrastructure Finance and Innovation Act \(WIFIA\)](#)

National Science Foundation

- [Biological Oceanography](#)
- [Chemical Oceanography](#)
- [Civil Infrastructure Systems](#)
- [Critical Resilient Interdependent Infrastructure Systems and Processes \(CRISP\)](#)
- [Cyber-Physical Systems \(CPS\)](#)
- [Energy for Sustainability](#)
- [Engineering for Natural Hazards \(ENH\)](#)
- [Environmental Sustainability](#)
- [Geotechnical Engineering & Materials \(GEM\)](#)
- [Improvements in Facilities, Communications & Equipment at Biological Field Stations & Marine Laboratories \(FSML\)](#)
- [Infrastructure Management and Extreme Events \(IMEE\)](#)
- [Ocean Drilling \(OD\)](#)
- [Ocean Technology & Interdisciplinary Coordination \(OTIC\) Program](#)
- [Oceanographic Facilities & Equipment Support](#)
- [Operations Engineering \(OE\) Program](#)
- [Physical Oceanography](#)
- [Prediction of and Resilience against Extreme Events \(PREEVENTS\)](#)
- [Secure and Trustworthy Cyberspace \(SaTC\)](#)
- [Structural and Architectural Engineering \(SAEM\)](#)

U.S. Agency for International Development

- [Ocean Freight Reimbursement Program \(OFR\) FY15 & FY16](#)

U.S. Department of Agriculture

- [Farm Storage Facility Loan Program](#)

APPENDIX D: Funding Programs by Assistance Type

Grants

- [Advanced Research Projects Agency-Energy \(ARPA-E\)](#) Grants, Technical Assistance
- [Biological Oceanography](#) Discretionary Grant
- [Chemical Oceanography](#) Discretionary Grant
- [Civil Infrastructure Systems](#) Discretionary Grant
- [Clean Diesel Funding Assistance Program](#) Discretionary Grant
- [Coastal Impact Assistance Program](#) Formula Grant
- [Coastal Program](#) Cooperative Agreement
- [Coastal Resilience Grants Program](#) Grant/Cooperative Agreement
- [Congestion Mitigation & Air Quality Improvement \(CMAQ\) Program](#) Formula Grant
- [Cooperative Endangered Species Conservation Fund](#) (CESCF) Grant/Cost-Match
- [Cyber-Physical Systems](#) (CPS) Discretionary Grant
- [Economic Development Assistance Programs](#) Grant/Cooperative Agreement
- [Emergency Relief Program](#) Grant
- [Endangered Species Conservation: Recovery Implementation Funds](#) Discretionary Grant/Cooperative Agreement
- [Energy for Sustainability](#) Discretionary Grant
- [Engineering for Natural Hazards \(ENH\)](#) Discretionary Grant
- [Environmental Sustainability](#) Discretionary Grant
- [Ferry Boat Formula Program](#) (FBFP) Formula Grant, using BTS National Census of Ferry Operators
- [Fire Prevention & Safety Grant Program](#) Grant/Cost-Match
- [Geotechnical Engineering & Materials](#) (GEM) Discretionary Grant
- [Homeland Security Grant Program](#) (HSGP) Formula Grant
- [Improvements in Facilities, Communications & Equipment at Biological Field Stations & Marine Laboratories](#) (FSML) Discretionary Grant
- [Infrastructure for Rebuilding America \(INFRA\) Grants](#) Discretionary Grant
- [Infrastructure Management and Extreme Events](#) (IMEE) Discretionary Grant
- [Integrated Ocean Observing System \(IOOS\) Ocean Technology Transition Project](#) Grant (No Match)
- [Marine Highway Grants](#) Cooperative Agreements/Project Grants
- [Maritime Heritage Grants](#) Grant/Cost-Match
- [National Coastal Wetland Conservation Grant Program](#) Grant/Cost-Match
- [National Highway Performance Program](#) Formula Grant
- [National Priorities: Life Cycle Costs of Water Infrastructure Alternatives](#) Grant/Cost-Match
- [National Wetland Program Development Grants](#) Grant/Cost-Match
- [NOAA Broad Agency Announcement](#) (BAA) Cooperative Agreement/Grant
- [Ocean Drilling](#) (OD) Discretionary Grant
- [Ocean Freight Reimbursement Program](#) (OFR) FY15 & FY16 Discretionary Grant
- [Ocean Technology & Interdisciplinary Coordination \(OTIC\) Program](#) Discretionary Grant
- [Oceanographic Facilities & Equipment Support](#) Discretionary Grant
- [Operations Engineering \(OE\) Program](#) Grant
- [Passenger Ferry Grant Program](#) Discretionary Grant
- [Physical Oceanography](#) Discretionary Grant
- [Planning Program & Local Technical Assistance Program](#) Grant
- [Pollution Prevention Grant Program](#) Grant/Cooperative Agreement with Cost-Match
- [Port Security Grant Program](#) (PSGP) Grant/Cost-Match
- [Prediction of and Resilience against Extreme Events](#) (PREEVENTS) Discretionary Grant

- [Regional Wetland Program Development Grants](#) (WPDGs) *Grant/Cost-Match*
- [Securing the Cities Program](#) *Discretionary Grant*
- [Small Shipyard Grant Program](#) *Discretionary Grant*
- [Source Reduction Assistance Grant Program](#) *Grant/Cooperative Agreement with Cost-Match*
- [Structural and Architectural Engineering and Materials](#) (SAEM) *Discretionary Grant*
- [Surface Transportation Block Grant Program](#) *Formula Grant*
- [Targeted Air Shed Grant Program](#) *Competitive Grant*
- [Transit Security Grant Program](#) (TSGP) *Competitive Grant*
- [Transportation Alternatives Set-Aside](#) *Formula Grant*
- [USACE Broad Agency Announcement](#) (BAA) *Discretionary Grant*
- [Workforce Innovation and Opportunity Act \(WIOA\) Programs](#) *Formula Grant*

Loans

- [Disaster Loan Assistance](#) *Loan*
- [Farm Storage Facility Loan Program](#) *Loan*
- [Federal Ship Financing Program](#) (Title XI) *Loan or Bond Guarantee*
- [General Small Business Loans \(7A\)](#) *Loan*
- [Railroad Rehabilitation & Improvement Finance](#) (RRIF) *Direct Loans/Loan Guarantees*
- [Real Estate & Equipment Loans \(CDC/504\)](#) *Loan*
- [Water Infrastructure Finance and Innovation Act](#) (WIFIA) *Loan*

Cooperative Agreements

- [Advanced Technology Solutions for Unconventional Oil and Gas Development](#) *Cooperative Agreement*
- [Coastal Program - Great Lakes Restoration Initiative](#) *Cooperative Agreement*
- [DHS S&T Center of Excellence for Cross-Border Threat Screening and Supply Chain Defense – Center Partner](#) *Cooperative Agreement*
- [Marine Highway Grants](#) *Cooperative Agreements; Project Grants*
- [Maritime Environmental and Technical Assistance \(META\) Program](#) *Cooperative Agreement*
- [NOAA Broad Agency Announcement](#) (BAA) *Cooperative Agreement/Grant*
- [Pollution Prevention Grant Program](#) *Grant/Cooperative Agreement with Cost-Match*

Other

- [Business Energy Investment Tax Credit \(ITC\)](#) *Financial Incentive/Corporate Tax Credit*
- [Capital Construction Fund Program](#) *Tax Deferral*
- [Critical Resilient Interdependent Infrastructure Systems and Processes](#) (CRISP) *N/A*
- [Department of Energy Unsolicited Proposal Office](#) *Financial Incentive/Corporate Tax Credit*
- [Grant Anticipation Revenue Vehicles](#) (GARVEES) *Bonds Repaid, all or in part, by future Federal-aid funds*
- [Ports & Waterways Construction](#) *Direct Congressional appropriation w/local match*
- [Private Activity Bonds](#) (PABs) *Tax Exempt Bond Issuance*
- [Renewable Electricity Production Tax Credit](#) (PTC) *Financial Incentive/Corporate Tax Credit*
- [Section 129 Loans – Federal Credit Assistance Tools](#) *Loan Leverage Tool*
- [Secure and Trustworthy Cyberspace](#) (SaTC) *N/A*
- [State Infrastructure Banks](#) (SIBs) *Loan Leverage Tool*
- [Transportation Infrastructure Finance & Assistance Act](#) (TIFIA) *Secured Loans/Credit Lines/Loan Guarantees*
- [USACE Continuing Authorities Program](#) (CAP) *Project Development/Cost Share*
- [USACE Flood Plain Management Services](#) (FPMS) *Technical Assistance*
- [USACE Planning Assistance to States Program](#) *Technical Assistance*



U.S. Committee on the Marine Transportation System

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