



# Region 5 Mitigation Assistance Resource Guide

State of Michigan

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FEMA

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# Introduction

## Purpose of the Guide

One goal of FEMA Region 5 is to advance mitigation across the region's six states and 34 tribal nations. Advancing mitigation action is not easy. It requires significant and varying resources. These include grants, loans, technical assistance, and in-kind services. A variety of federal departments and agencies offer funding programs. This guide has information on these programs, for communities that want to advance mitigation actions.

The Mitigation Assistance Resource Guide describes a spectrum of potential sources for mitigation funding and technical assistance. It can help state and local officials decide on the best sources of assistance for their own potential projects. For more information on available grants, visit [www.grants.gov](http://www.grants.gov).

## How to Use the Guide

This guide lists federal, state and private-sector resources available in FEMA Region 5. Each resource is organized by FEMA's Mitigation Actions. The guide identifies the type of mitigation action that is best suited to the resource. The categories are (1) Local Planning and Regulations, (2) Structure and Infrastructure Projects, (3) Natural Systems Protection, and (4) Education and Awareness Programs. Each resource can also be used for other types of mitigation action. The categories are included to help users find the resources that best suit their needs. Find more information on mitigation actions in FEMA's [Mitigation Ideas](#) report.

Each resource has its own page. It describes the resource and has contact information, cost sharing and eligibility requirements, and equity considerations. Case studies are listed, as applicable. This guide is updated each year to reflect changes, removals, and new programs.

## Equity Considerations

Hazard mitigation and equity are inextricably linked. As you decide on the mitigation funding or technical assistance program that best suits your community, be sure to consider equity and equitable outcomes. Executive Order 13985: Advancing Racial Equity and Support for Underserved Communities Through the Federal Government defines the terms equity and underserved communities as follows:

- (a) The term "equity" means the consistent and systematic fair, just, and impartial treatment of all individuals, including individuals who belong to underserved communities that have been denied such treatment, such as Black, Latino, and Indigenous and Native American persons, Asian Americans and Pacific Islanders and other persons of color; members of religious minorities; lesbian, gay, bisexual, transgender, and queer (LGBTQ+) persons;

persons with disabilities; persons who live in rural areas; and persons otherwise adversely affected by persistent poverty or inequality.

(b) The term “underserved communities” refers to populations sharing a particular characteristic, as well as geographic communities, that have been systematically denied a full opportunity to participate in aspects of economic, social, and civic life, as exemplified by the list in the preceding definition of “equity.”

This Resource Guide has set up equity themes. Any resource with equity-focused language or requirements has an associated theme. So do organizations with an equity focus. This theme identifies how the resources can be used to support the needs of underserved groups and delivered in a way that serves the whole community. Some equity-focused resources have more than one theme. Those are identified on the resource page. The themes are as follows:

1. Federal Initiatives: The Justice40 initiative and any current or future federal initiatives that promote the inclusion of equity and justice in programs, projects, and resources.
2. Empowerment: Language on empowering communities and individuals, welcoming diverse perspectives, and highlighting the importance of social justice work in communities.
3. Accessibility: Resources that improve accessibility by reducing language barriers, making affordable housing more accessible, and increasing mobility and accessibility for disabled users.
4. Vulnerable Communities: This refers broadly to low socio-economic, high socially vulnerable, rural, and historically disadvantaged communities.
5. Indigenous/Cultural Knowledge: Resources that seek to use Indigenous knowledge and cultural considerations and work with tribal communities.
6. Other: Resources that have an equity presence but do not fit in one of the other categories.

## Have Questions?

Please contact Steve Greene at [Steven.Greene@fema.dhs.gov](mailto:Steven.Greene@fema.dhs.gov) or Olenka Wrobel at [Olenka.Wrobel@mbakerintl.com](mailto:Olenka.Wrobel@mbakerintl.com). You can also reach out to your State Hazard Mitigation Officer, Matt Schnepf at [SchnepfM1@michigan.gov](mailto:SchnepfM1@michigan.gov). The SHMO is responsible for organizing, developing and applying the state’s hazard mitigation program.



# Connecting Municipal Financing to Advance Hazard Mitigation

## Partnering For Success: Working With Your Community's Finance Professionals

Working with finance professionals is central to mitigation planning. They can help you identify the funding sources to make your hazard mitigation plan a reality. Together, you can explore a variety of funding sources, such as federal and state grants, state revolving loan programs, or bonds. Involve these professionals early in your planning process. That can give your community a solid funding strategy for its hazard mitigation projects.

Local financial professionals often have diverse roles. They may oversee the community finance department. They may be the business administrator, the financial officer, or both.

- A business administrator reports to the governing body. The responsibilities and functions vary by community. They may also serve as the municipal manager, chief of staff, or top appointed staff person. A business administrator will know local priorities, the history of decisions, constraints, and which staff can make projects a success.
- A financial officer often has a more specialized role. They primarily “keep the books” for the community. Other duties may include budget tracking, keeping up payroll records, balancing funds and crafting reports to aid administrative decisions.

Your local finance professionals have a deep understanding of and connection to the community's financial landscape. That can be a huge asset for mitigation projects. Their insight and connections can:

- Advise you and help add the mitigation project to longer-term planning in the community budget or Capital Improvement Plan (CIP).
- Position you to pursue limited mitigation funding. Your case for enhancing local resilience is stronger when the projects are part of the community budget or CIP.
- Help you share with internal partners the value of preventative actions to keep the community safe, maintain operations, buttress revenues and reduce future losses.

## Core Finance Planning Questions

Financial professionals can help you think through questions, such as:

- How will the community pay for or meet the required match? Can the community pursue a bond? Are there other sources of funding, such as open space or stormwater management utilities?
- Can the project meet multiple community needs and provide co-benefits? If so, can any partner agencies identify funding?
- What is the best timing for the project? Can you finish the project in the short term? Will it have to wait for more urgent priorities? What period of funding does it need?
- Could other financial stressors hold up the project? If unexpected events occur, is there an option to revisit the priorities in the CIP?
- Which staff can administer the project? Do you need to hire a contractor?
- What information do you need to complete the project scope? What do you need to bid on the project (e.g., prevailing wage)?
- If you plan to remove buildings from high-hazard areas, how will this affect employment and your tax base? Will lost revenues hurt the community's credit rating? Do public safety and community resiliency take precedence over lost revenue?

## Community Planning and Accounting Methods

Community budgets reflect their priorities. The budget process is one of the most important tasks of municipal government. An annual budget includes revenues and expenses. It sets up the amount of funding that will go to programs and projects.

CIPs itemize projects when the current annual budget does not include the scale, method of funding, lead time for design and permitting, and other issues. The CIP can provide details, funding and financing options for projects that are planned for future years.

A mitigation professional has a role in pitching mitigation projects as the CIP is developed. They should meet with the financial professional to flesh out the project. This will help define the timing for the project. The financial professional knows the most about the community's revenues, expenses and debt obligations. As a team, you will identify the likely funding sources, including grants.

## Funding Mechanisms

A variety of sources can fund hazard mitigation projects. A finance professional can help you find innovative ways to blend those sources:

- Federal, state, and non-governmental organization (NGO) grants – Grants typically require an application with detailed support. Federal, state and NGOs issue grants for the periods before and after a disaster. The grant may not cover the full expense of the project. Your

community may have to match the grant amount. Your finance professional will help you review the terms and find the best way to match the grant.

- State revolving loan programs – These programs have addressed infrastructure demands across the nation. In some cases, states use federal funding to set up a low- or no-interest loan program. Some states have issued debt to finance state programs. Unlike grants, the loan must be repaid, subject to certain relief in interest. This way, the funding goes back into the program for reuse.
- General obligation bonds – This is debt issued by local governments to raise money for projects. General obligation bonds are commonly used, and your financial professional is familiar with them. Communities typically apply property, sales and/or income taxes to pay investors principal and interest. However, the bond is backed by the “full faith and credit of the municipality.” This means that if the budget cannot service the debt, the government would have to raise taxes to guarantee the bond is paid.
- Other sources of funding – You may be able to find other sources of funding, such as fees, assessments, other bonding instruments and private investment. Speak to your financial professional about the universe of funding mechanisms.

#### **MITIGATION FUNDING AT EVERY LEVEL IN GRANITE FALLS, MINNESOTA**

To implement its mitigation strategy, the city of Granite Falls, Minnesota, identified 10 local, state and federal sources for funding mitigation projects across the city. Granite Falls used local tax increment financing and private investment for some mitigation projects. It received nearly \$38 million over two decades from state and federal sources. The city used those funds to reduce risk to residential, commercial and governmental structures; to reconstruct a flood wall; to buy and demolish at-risk structures; and [much more](#).

## MAEOE Grants

<b>Agency or Organization</b>	Michigan Alliance for Environmental and Outdoor Education (MAEOE)
<b>Resource Type</b>	Private - Grant
<b>Hazard(s) Addressed</b>	Coastal Hazards; Drought; Earthquake; Flood; Extreme Heat; Soil/Geologic Hazards; Wildfire; Tornado; Severe Weather; Severe Winter Storms
<b>Eligible Applicants</b>	MAEOE members; teachers.
<b>Type of Assistance Provided</b>	Financial Assistance
<b>Restrictions</b>	Unknown.
<b>Funding Available</b>	\$500 per applicant.
<b>Cost Sharing</b>	Unknown.
<b>Website</b>	<a href="https://www.maeoe.com/grants">https://www.maeoe.com/grants</a>
<b>Contact Name</b>	MAEOE Education Committee Chair
<b>Contact Address</b>	P.O. Box 51235 Livonia, MI 48151
<b>Contact Phone</b>	
<b>Contact Email</b>	admin@maeoe.com
<b>Equity-focused Resource?</b>	Yes
<b>Equity Theme</b>	Accessibility

## About the Resource

The MAEOE offers Environmental Education (EE) grants. The organization hopes to help broaden the horizon of students, teachers, and families. It wants to bring them closer to the natural world.

## Case Study or Best Practice

None identified.

## Michigan Coastal Management Program (MCMP)

<b>Agency or Organization</b>	Michigan Department of Environment, Great Lakes, and Energy (EGLE)
<b>Resource Type</b>	Grant
<b>Hazard(s) Addressed</b>	Coastal Hazards
<b>Eligible Applicants</b>	Eligible applicants include coastal communities (e.g., local units of government: cities, counties, villages, and townships), regional planning agencies, educational institutions, tribal governments, and not-for-profit 501(c) organizations within the approved programmatic boundary.
<b>Type of Assistance Provided</b>	Financial Assistance
<b>Restrictions</b>	You can learn about restrictions here: <a href="https://www.michigan.gov/documents/egle/wrd-Coastal-Management-Program-Grantee-Manual-2021_720209_7.pdf">https://www.michigan.gov/documents/egle/wrd-Coastal-Management-Program-Grantee-Manual-2021_720209_7.pdf</a>
<b>Funding Available</b>	Planning projects range from \$10,000 to \$100,000. Site-specific, low-cost construction projects range from \$10,000 to \$200,000.
<b>Cost Sharing</b>	All applicants must show they can provide a 1:1 nonfederal match. They also must provide documentation of committed and/or source of match funds. Match may be in the form of cash, in-kind services, or donations.
<b>Website</b>	<a href="https://www.michigan.gov/egle/0,9429,7-135-3313_3677_3696--,00.html">https://www.michigan.gov/egle/0,9429,7-135-3313_3677_3696--,00.html</a>
<b>Contact Name</b>	Ronda Wuycheck
<b>Contact Address</b>	525 West Allegan Street P.O. Box 30458 Lansing, MI 48909
<b>Contact Phone</b>	517-420-5921
<b>Contact Email</b>	WUYCHECKR@michigan.gov
<b>Equity-focused Resource?</b>	No
<b>Equity Theme</b>	N/A

## About the Resource

The MCMP seeks projects that protect community character; revitalize ports and harbors; plan for growth in our coastal communities to strengthen economies against coastal hazards; protect and restore healthy coastal ecosystems for the public use and enjoyment; find solutions to protect coastal water quality; and create and enhance public access.

## Case Study or Best Practice

You can learn about the 2019 grants awarded at: [https://www.michigan.gov/documents/egle/wrd-cm-2019-coastal-grants\\_662115\\_7.pdf](https://www.michigan.gov/documents/egle/wrd-cm-2019-coastal-grants_662115_7.pdf)

## Source Water Protection Grants

<b>Agency or Organization</b>	Michigan Department of Environment, Great Lakes, and Energy (EGLE)
<b>Resource Type</b>	Grant
<b>Hazard(s) Addressed</b>	Flood
<b>Eligible Applicants</b>	Public water systems.
<b>Type of Assistance Provided</b>	Financial Assistance
<b>Restrictions</b>	Consult the criteria and eligibility guidelines found here: <a href="https://www.michigan.gov/deq/0,4561,7-135-3307_3515-314515--,00.html">https://www.michigan.gov/deq/0,4561,7-135-3307_3515-314515--,00.html</a>
<b>Funding Available</b>	Not identified.
<b>Cost Sharing</b>	50% local match required.
<b>Website</b>	<a href="https://www.michigan.gov/egle/Regulatory-Assistance/Grants-and-Financing/source-water-protection-grants">https://www.michigan.gov/egle/Regulatory-Assistance/Grants-and-Financing/source-water-protection-grants</a>
<b>Contact Name</b>	Jason Berndt
<b>Contact Address</b>	525 West Allegan Street P.O. Box 48909 Lansing, MI 48933
<b>Contact Phone</b>	517-241-4796
<b>Contact Email</b>	berndtj1@michigan.gov
<b>Equity-focused Resource?</b>	No
<b>Equity Theme</b>	N/A

## About the Resource

The goal of this grant is to give matching funds to public water supply systems. These funds help to develop and carry out source water protection programs. Such programs protect drinking water sources from contamination. They can help to develop surface water intake protection programs for systems that use surface water. They can also help to develop a wellhead protection program for systems that use groundwater sources.

## Case Study or Best Practice

Find information on wellhead protected areas at: <https://gis-egle.hub.arcgis.com/datasets/wellhead-protection-areas-whpa/explore?location=44.302590%2C-85.962829%2C7.00>



## Dam Management Grant Program (DMGP)

<b>Agency or Organization</b>	Michigan Department of Natural Resources
<b>Resource Type</b>	Grant
<b>Hazard(s) Addressed</b>	Dam Hazards
<b>Eligible Applicants</b>	Nonprofit groups, individuals, or any local, state, federal, or tribal units of government.
<b>Type of Assistance Provided</b>	Financial Assistance
<b>Restrictions</b>	Consult the criteria and eligibility found here: <a href="https://www.michigan.gov/dnr/0,4570,7-350-79134_81684_81685_81745--,00.html">https://www.michigan.gov/dnr/0,4570,7-350-79134_81684_81685_81745--,00.html</a>
<b>Funding Available</b>	Maximum of \$350,000 per request.
<b>Cost Sharing</b>	10% local share required.
<b>Website</b>	<a href="https://www.michigan.gov/dnr/Buy-and-Apply/grants/aq-wl/dams">https://www.michigan.gov/dnr/Buy-and-Apply/grants/aq-wl/dams</a>
<b>Contact Name</b>	Chip Kosloski
<b>Contact Address</b>	P.O. Box 30452 Lansing, MI 48909
<b>Contact Phone</b>	517-284-5965
<b>Contact Email</b>	kosloskic3@michigan.gov
<b>Equity-focused Resource?</b>	No
<b>Equity Theme</b>	N/A

## About the Resource

The goal of this program is to fund and give technical assistance to conservation partners. This support helps them manage dam removal, repair, and major maintenance projects. These projects enhance aquatic resources and fishing opportunities. They also reduce infrastructure costs and improve public safety in Michigan.

Note: This grant is no longer active or seeking applications. The new Fisheries Habitat Grant can provide similar help.

## Case Study or Best Practice

Maple River Dam Removal Project (\$125,000), Emmet County, Michigan

Funding helped to remove the Lake Kathleen Dam. The act improved one of the most degraded and fragmented sites in the Maple River Watershed. This project is part of a large-scale effort to span the Maple River with reasonably-sized stream crossings.

Black Creek Dam Removal Project (\$65,000), Gladwin County, Michigan

These funds are to help remove an earthen dam under a county road in Gladwin County. The dam was not built properly and is failing. The project included the removal of the dam, culvert, and spillway.

You can learn more about the DMGP at: [https://www.michigan.gov/dnr/0,4570,7-350-79134\\_81684\\_81685\\_81745--,00.html](https://www.michigan.gov/dnr/0,4570,7-350-79134_81684_81685_81745--,00.html)

You can learn more about DMGP recipients at:

[https://www.michigan.gov/documents/dnr/2017\\_Dam\\_Management\\_Grant\\_Recipients\\_631034\\_7.pdf](https://www.michigan.gov/documents/dnr/2017_Dam_Management_Grant_Recipients_631034_7.pdf)

## Fisheries Habitat Grant Program

<b>Agency or Organization</b>	Michigan Department of Natural Resources
<b>Resource Type</b>	Grant
<b>Hazard(s) Addressed</b>	Coastal Hazards; Flood; Soil/Geologic Hazards
<b>Eligible Applicants</b>	Academic institutions, nonprofit groups, or local, state, federal, or tribal units of government.
<b>Type of Assistance Provided</b>	Financial Assistance
<b>Restrictions</b>	Competitive projects will address causes of habitat degradation. They will not focus on symptoms. They will also provide long-lasting benefits; address needs on the Fisheries Division priority habitat projects list; be cost-effective, use appropriate methods; monitor project outcomes; address health and human safety for dam management; and/or address research and assessment needs to inform future habitat conservation.
<b>Funding Available</b>	Minimum grant request amount: \$25,000. Maximum grant request amount: Amount of funds available in the theme(s) for which the application is eligible (up to \$1.6 M).
<b>Cost Sharing</b>	Minimum match of 10% is required
<b>Website</b>	<a href="https://www.michigan.gov/dnr/Buy-and-Apply/grants/aq-wl/fish-hab">https://www.michigan.gov/dnr/Buy-and-Apply/grants/aq-wl/fish-hab</a>
<b>Contact Name</b>	Chip Kosloski
<b>Contact Address</b>	P.O. Box 30452 Lansing, MI 48909
<b>Contact Phone</b>	517-284-5965
<b>Contact Email</b>	<a href="mailto:kosloskic3@michigan.gov">kosloskic3@michigan.gov</a>
<b>Equity-focused Resource?</b>	No
<b>Equity Theme</b>	N/A

## About the Resource

The Fisheries Habitat Grant supports many activities. It helps fisheries, aquatic resources, and the public. It helps with fish habitat conservation, dam removal and repair, access to recreation, and more.

## Case Study or Best Practice

You can find a list of priority habitat conservation projects at: [https://www.michigan.gov/documents/dnr/DNR-Fisheries-PriorityHabitatConservationProjects\\_661597\\_7.pdf](https://www.michigan.gov/documents/dnr/DNR-Fisheries-PriorityHabitatConservationProjects_661597_7.pdf)

## Wildlife Habitat Grant Program

<b>Agency or Organization</b>	Michigan Department of Natural Resources
<b>Resource Type</b>	Grant
<b>Hazard(s) Addressed</b>	Coastal Hazards; Drought; Flood; Extreme Heat; Soil/Geologic Hazards; Wildfire; Severe Weather; Severe Winter Storms
<b>Eligible Applicants</b>	Profit or nonprofit groups, individuals, or any local, state, federal, or tribal units of government.
<b>Type of Assistance Provided</b>	Financial Assistance
<b>Restrictions</b>	Minimum grant request of \$15,000.
<b>Funding Available</b>	Maximum grant request amount is the amount of funds appropriated in a given fiscal year. This is normally around \$1 million.
<b>Cost Sharing</b>	10% share required.
<b>Website</b>	<a href="https://www.michigan.gov/dnr/Buy-and-Apply/grants/aq-wl/wildlife-hab">https://www.michigan.gov/dnr/Buy-and-Apply/grants/aq-wl/wildlife-hab</a>
<b>Contact Name</b>	Clay Buchanan
<b>Contact Address</b>	P.O. Box 30425 Lansing, MI 48909
<b>Contact Phone</b>	517-614-0918
<b>Contact Email</b>	buchananc1@michigan.gov
<b>Equity-focused Resource?</b>	No
<b>Equity Theme</b>	N/A

## About the Resource

The program works to improve the quality and quantity of game species habitats. It supports specific goals from the Wildlife Division's strategic plan, "Guiding Principles and Strategies - The GPS." One such goal is GPS Goal 2: "Manage habitat for sustainable wildlife populations in a changing environment."

## Case Study or Best Practice

This website lists FY 2014-2017 grant winners at the bottom of the page. Each PDF describes specific projects, the grantee, the county and the amount awarded.

## Southeast Michigan Resilience Fund

<b>Agency or Organization</b>	National Fish and Wildlife Foundation
<b>Resource Type</b>	Private - Grant
<b>Hazard(s) Addressed</b>	Coastal Hazards; Drought; Flood; Extreme Heat; Soil/Geologic Hazards
<b>Eligible Applicants</b>	<p>Eligible applicants include nonprofit 501(c) organizations, state government agencies, local governments, municipal governments, tribal governments, and educational institutions. To be competitive, applicant organizations must show they have the capacity and experience needed for the scale or complexity of the project and the funding being requested.</p> <p>Ineligible applicants include federal government agencies, unincorporated individuals, and for-profit businesses. These entities may be partners or sub-contractors.</p> <p><a href="https://www.nfwf.org/sites/default/files/2023-03/nfwf-se-michigan-20230301-fs.pdf">https://www.nfwf.org/sites/default/files/2023-03/nfwf-se-michigan-20230301-fs.pdf</a></p>
<b>Type of Assistance Provided</b>	Financial Assistance
<b>Restrictions</b>	Projects should most (>70%) grant funding for on-the-ground work. You can find ineligible uses of grant funds at: <a href="https://www.nfwf.org/programs/southeast-michigan-resilience-fund/southeast-michigan-resilience-fund-2022-2023-request-proposals">https://www.nfwf.org/programs/southeast-michigan-resilience-fund/southeast-michigan-resilience-fund-2022-2023-request-proposals</a>
<b>Funding Available</b>	\$1.2 million. Grant awards normally range from \$150,000 to \$350,000.
<b>Cost Sharing</b>	Match is not required. However, the ratio of matching contributions offered to the grant funding requested is considered during the review process. Match can be any combination of in case and/or in-kind goods and services, or other tangible contributions to the project objectives and outcomes. You can learn more at: <a href="https://www.nfwf.org/programs/southeast-michigan-resilience-fund/southeast-michigan-resilience-fund-2022-2023-request-proposals">https://www.nfwf.org/programs/southeast-michigan-resilience-fund/southeast-michigan-resilience-fund-2022-2023-request-proposals</a>
<b>Website</b>	<a href="https://www.nfwf.org/semichigan/Pages/home.aspx">https://www.nfwf.org/semichigan/Pages/home.aspx</a>
<b>Contact Name</b>	Aislinn Gauchay
<b>Contact Address</b>	8011 34th Ave South Suite 242 Bloomington, MN 55425
<b>Contact Phone</b>	612-564-7284
<b>Contact Email</b>	<a href="mailto:Aislinn.Gauchay@nfwf.org">Aislinn.Gauchay@nfwf.org</a>
<b>Equity-focused Resource?</b>	Yes
<b>Equity Theme</b>	Accessibility

## About the Resource

The Southeast Michigan Resilience Fund is a public-private partnership. It raises the resilience of communities and natural resources in southeast Michigan. It reduces the impact of stormwater, improves water quality, and enhances habitats. It also makes public green space and natural areas easier to access and use. This work helps communities prepare for worsening environmental stressors. Those stressors relate to development, climate, invasive species, nonpoint source pollution and other factors.

## Case Study or Best Practice

Enhancing Green Stormwater Infrastructure for Public Spaces in Southeast Michigan

Grantee: Friends of the Rouge

Grant Amount: \$316,000

Use placemaking strategies to enhance public spaces in underserved communities. You can learn more about this and other 2023 grant awards at: <https://www.nfwf.org/sites/default/files/2023-03/nfwf-se-michigan-20230301-gs.pdf>



## Planning for Resilient Coastal Communities

### Service Grant

<b>Agency or Organization</b>	Resilient Michigan
<b>Resource Type</b>	Private - Grant
<b>Hazard(s) Addressed</b>	Coastal Hazards
<b>Eligible Applicants</b>	Eligible applicants must represent a municipality located by one of the Great Lakes. You can learn about the 2022 grant at: <a href="http://www.resilientmichigan.org/downloads/coastal_resilience_rfp_liaa_2022.pdf">http://www.resilientmichigan.org/downloads/coastal_resilience_rfp_liaa_2022.pdf</a>
<b>Type of Assistance Provided</b>	Technical Assistance
<b>Restrictions</b>	Unknown.
<b>Funding Available</b>	Unknown.
<b>Cost Sharing</b>	1:1 cash match is required within one month of project startup.
<b>Website</b>	<a href="http://www.resilientmichigan.org/">http://www.resilientmichigan.org/</a>
<b>Contact Name</b>	Matt Cowall
<b>Contact Address</b>	324 Munson Avenue Traverse City, MI 49686
<b>Contact Phone</b>	231-929-3696
<b>Contact Email</b>	<a href="mailto:mcowall@liaa.org">mcowall@liaa.org</a>
<b>Equity-focused Resource?</b>	Yes
<b>Equity Theme</b>	Other

### About the Resource

The Michigan’s Coastal Zone Management (CZM) program supports the nonprofit Land Information Access Association (LIAA). LIAA is working with the University of Michigan, Michigan Technological University, and CZM to help communities. They are forming master plan amendments that will lead to greater coastal and community-wide resilience. They look to build better and more reliable local economies; manage social and environmental changes; respond to climate change; respond to increased severe storms; and adapt to changes in Great Lakes water levels.

### Case Study or Best Practice

None identified.

## The Nature Conservancy in Michigan

<b>Agency or Organization</b>	The Nature Conservancy
<b>Resource Type</b>	Private - Other
<b>Hazard(s) Addressed</b>	Coastal Hazards; Drought; Earthquake; Flood; Extreme Heat; Soil/Geologic Hazards; Wildfire; Tornado; Severe Weather; Severe Winter Storms
<b>Eligible Applicants</b>	Unknown.
<b>Type of Assistance Provided</b>	Technical Assistance, Financial Assistance
<b>Restrictions</b>	Unknown.
<b>Funding Available</b>	Unknown.
<b>Cost Sharing</b>	Unknown.
<b>Website</b>	<a href="https://www.nature.org/en-us/about-us/where-we-work/united-states/michigan/">https://www.nature.org/en-us/about-us/where-we-work/united-states/michigan/</a>
<b>Contact Name</b>	Helen Taylor, State Director
<b>Contact Address</b>	101 E. Cesar E. Chavez Avenue Lansing, MI 48906
<b>Contact Phone</b>	517-316-0300
<b>Contact Email</b>	michigan@tnc.org
<b>Equity-focused Resource?</b>	Yes
<b>Equity Theme</b>	Empowerment

## About the Resource

The Nature Conservancy has worked in Michigan for almost 40 years. It protects more than 380,000 acres of land, hundreds of lakes, and miles of rivers. Because land and water demands are rising, we must do more work faster. We are scaling up our efforts to act on a strategic vision for protection. This vision includes policy. It also testing new ways to finance conservation and connect people to nature.

## Case Study or Best Practice

You can find the 2022 Conservation Report for Michigan at: <https://www.nature.org/en-us/about-us/where-we-work/united-states/michigan/annual-report/>

## Grant Program

<b>Agency or Organization</b>	The Wege Foundation
<b>Resource Type</b>	Private - Grant
<b>Hazard(s) Addressed</b>	Coastal Hazards; Drought; Earthquake; Flood; Extreme Heat; Soil/Geologic Hazards; Wildfire; Tornado; Severe Weather; Severe Winter Storms
<b>Eligible Applicants</b>	Must be a tax-exempt organization. Take the eligibility quiz to see if you are eligible: <a href="https://www.wegefoundation.org/eligibility-quiz/">https://www.wegefoundation.org/eligibility-quiz/</a>
<b>Type of Assistance Provided</b>	Financial Assistance
<b>Restrictions</b>	Should serve the Kent County and Grand Rapids metropolitan area.
<b>Funding Available</b>	Unknown.
<b>Cost Sharing</b>	Unknown.
<b>Website</b>	<a href="https://wegefoundation.com/grants/">https://wegefoundation.com/grants/</a>
<b>Contact Name</b>	M Alemán-McAlpine
<b>Contact Address</b>	99 Monroe Avenue NW Suite 902 Grand Rapids, MI 49503
<b>Contact Phone</b>	616-957-0480
<b>Contact Email</b>	<a href="mailto:mamcalpine@wegefoundation.org">mamcalpine@wegefoundation.org</a>
<b>Equity-focused Resource?</b>	Yes
<b>Equity Theme</b>	Empowerment

## About the Resource

The Wege Foundation accepts online applications twice a year – in the spring and fall. It accepts from any current 501(c)(3) organization. The Wege Foundation has long embraced certain cross-cutting themes that apply to all four pillars (Arts & Culture, Environment, Education, and Community Health & Wellbeing). Examples include requiring Leadership in Energy and Environmental Design (LEED) certification for capital grants. They have also committed to helping under-resourced and marginalized communities. The foundation set results-oriented goals for each pillar. This will help it focus its grant making, provide better guidance to potential applicants, and enhance evaluation.

As with the grantmaking allocations among the pillars, these themes and goals are targets. They will guide the grants committee and staff as they recruit and review grant applications. The foundation will continue to be flexible and opportunistic in funding projects that forward Mr. Wege’s goal to make Grand Rapids “the best medium-sized city in the United States.” These projects will also share effective programs with other communities.

## Case Study or Best Practice

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State of Michigan

You can find the Wege Price 2020 Design Competition winners at: <https://wegefoundation.com/wege-prize-2020-design-competition-winners/>

## Climate Adaptation Case Studies and Resources

<b>Agency or Organization</b>	Climate Adaptation Knowledge Exchange (CAKE)
<b>Resource Type</b>	Private - Other
<b>Hazard(s) Addressed</b>	Coastal Hazards; Drought; Earthquake; Flood; Extreme Heat; Soil/Geologic Hazards; Wildfire; Tornado; Severe Weather; Severe Winter Storms
<b>Eligible Applicants</b>	Unknown.
<b>Type of Assistance Provided</b>	Technical Assistance
<b>Restrictions</b>	Unknown.
<b>Funding Available</b>	Unknown.
<b>Cost Sharing</b>	Unknown.
<b>Website</b>	<a href="https://www.cakex.org/resources/region/central-6976">https://www.cakex.org/resources/region/central-6976</a>
<b>Contact Name</b>	Haley Pope
<b>Contact Address</b>	P.O. Box 11195 Bainbridge Island, WA 98110
<b>Contact Phone</b>	206-201-3834
<b>Contact Email</b>	<a href="mailto:info@cakex.org">info@cakex.org</a>
<b>Equity-focused Resource?</b>	Yes
<b>Equity Theme</b>	Empowerment

### About the Resource

CAKE is the world's largest and most used source of climate adaptation case studies and resources. It shares lessons and ideas with others in the field.

### Case Study or Best Practice

The Climate Adaptation Knowledge Exchange (CAKE) has an interactive map of case studies. You can find it at: <https://www.cakex.org/interactive-map?title=&type=project>

## NIST MEP Disaster Assessment Program

<b>Agency or Organization</b>	Department of Commerce (DOC)/ National Institute of Standards and Technology (NIST)
<b>Resource Type</b>	Cooperative Agreement
<b>Hazard(s) Addressed</b>	Coastal Hazards; Drought; Earthquake; Flood; Extreme Heat; Landslide; Soil/Geologic Hazards; Wildfire; Tornado; Severe Weather; Severe Winter Storms
<b>Eligible Applicants</b>	Eligible applicants for this funding are recipients of current MEP Center cooperative agreements. An MEP Center recipient may work alone. They may also include proposed subawards to other recipients of MEP Center cooperative agreements as part of the applicant's proposal. They may do the same with proposed contracts with other organizations. This lets them form a team.
<b>Type of Assistance Provided</b>	Financial Assistance
<b>Restrictions</b>	Eligible applicants for this funding are recipients of current MEP Center cooperative agreements. An MEP Center recipient may work alone. They may also include proposed subawards to other recipients of MEP Center cooperative agreements as part of the applicant's proposal. They may do the same with proposed contracts with other organizations. This lets them form a team.
<b>Funding Available</b>	NIST expects to fund individual projects for between \$50,000 and \$1,000,000 each. The amount of each award will depend on the nature and severity of each FEMA Disaster Declaration. Projects awarded under this NOFO will have a budget and a performance period of no more than 18 months. See Section II.2. in the Full Announcement Text of the NOFO.
<b>Cost Sharing</b>	Non-federal cost share is not required for awards issued through this NOFO.
<b>Website</b>	<a href="https://www.nist.gov/mep/mep-disaster-assessment-program">https://www.nist.gov/mep/mep-disaster-assessment-program</a>
<b>Contact Name</b>	Wiza Lequin
<b>Contact Address</b>	100 Bureau Drive M/S 4800 Gaithersburg, MD 20899
<b>Contact Phone</b>	301-975-4395
<b>Contact Email</b>	mepnofo@nist.gov
<b>Equity-focused Resource?</b>	No
<b>Equity Theme</b>	N/A

## About the Resource

NIST seeks applications from holders of Manufacturing Extension Partnership Center (MEP Center) agreements. It helps them assess small- and medium-sized manufacturers (SMMs) in FEMA disaster declaration areas. These studies should show how subject disasters affect SMMs. The MEP Centers that this program funds must help impacted SMMs identify and access federal, state and local resources. These resources aid business recovery. They can also help to develop a risk mitigation plan for future disasters. Award holders should share the results of their project with other SMMs, NIST and the MEP National Network.



These results should include lessons learned and best practices. They help the SMM community plan future efforts. See Section I in the Full Announcement Text of this NOFO.

## **Case Study or Best Practice**

This article shows how the program has supported hurricane recovery efforts: <https://mepol.org/nist/nist-awards-emergency-funding-to-help-manufacturers-with-hurricane-relief-efforts> Hurricanes do not impact this region. Still, the article explains the types of support this program provides.

## National Coastal Wetlands Conservation Grants

<b>Agency or Organization</b>	Department of the Interior, U.S. Fish and Wildlife Service
<b>Resource Type</b>	Grant
<b>Hazard(s) Addressed</b>	Coastal Hazards
<b>Eligible Applicants</b>	Eligible applicants include coastal and Great Lakes states* and the U.S. commonwealths and territories. Tribes, local governments, conservation organizations, and private landowners are encouraged to work with state agencies to develop a project and submit an application.
<b>Type of Assistance Provided</b>	Financial Assistance, Technical Assistance
<b>Restrictions</b>	Funding restrictions can be found in the Fiscal Year 2024 - Notice of Funding Opportunity - NCWCG Program: <a href="https://www.federalgrants.com/F24AS00005_Fiscal-Year-2024-National-Coastal-Wetlands-Conservation-Grant-Program-93705.html">https://www.federalgrants.com/F24AS00005_Fiscal-Year-2024-National-Coastal-Wetlands-Conservation-Grant-Program-93705.html</a>
<b>Funding Available</b>	\$18-\$23 million available each year. Up to \$1 million available per project.
<b>Cost Sharing</b>	States provide 50% of the project cost. They provide 25% if the state has a land conservation program. Match can be provided by the state or partners. Match may include the value of previously conserved land and in-kind contributions. For American Samoa, CNMI, Guam, and U.S. Virgin Islands, the first \$200,000 non-federal match is waived.
<b>Website</b>	<a href="https://fws.gov/service/national-coastal-wetlands-conservation-grants">https://fws.gov/service/national-coastal-wetlands-conservation-grants</a>
<b>Contact Name</b>	Casey Nelson, U.S. Fish and Wildlife Service, Wildlife and Sport Fish Restoration Program
<b>Contact Address</b>	5600 American Boulevard West Suite 990 Bloomington, MN 55437
<b>Contact Phone</b>	612-713-5143
<b>Contact Email</b>	casey_nelson@fws.gov
<b>Equity-focused Resource?</b>	No
<b>Equity Theme</b>	N/A

### About the Resource

The National Coastal Wetlands Conservation Grant Program gives yearly grants of up to \$1 million to coastal and Great Lakes States and U.S. territories. These grants protect, restore, and enhance coastal wetlands and related uplands. The Sport Fish Restoration and Boating Trust Fund pays for the grants. Taxes on fishing equipment and motorboat fuel support the fund.

### Case Study or Best Practice

Tarboo Wildlife Preserve Acquisition and Restoration:

The Washington Department of Ecology, in partnership with Northwest Watershed Institute (NWI), received \$689,000 to permanently protect and restore 35 acres along Tarboo Creek's tributaries and wetlands. This is an important addition to NWI's 500-acre Tarboo Wildlife Preserve in Tarboo Valley. This project is part of a long-term landscape-scale conservation effort to protect the Tarboo-Dabob Bay ecosystem. The project site includes wetlands and tributaries that flow into Tarboo Creek and significant upland conifer and hardwood forests. The project will protect spawning and rearing habitat for threatened steelhead and coho salmon, coastal cutthroat trout, and western brook lamprey. It will also protect habitat for at-risk land birds and other species. This includes black-tailed deer, Roosevelt elks, cougars and black bears.

## Emergency Relief Program

<b>Agency or Organization</b>	Department of Transportation (DOT)/ Highway Administration (FHWA)
<b>Resource Type</b>	Trust
<b>Hazard(s) Addressed</b>	Coastal Hazards; Dam Failure; Drought; Earthquake; Flood; Extreme Heat; Landslide; Soil/Geologic Hazards; Wildfire; Tornado; Severe Weather; Severe Winter Storms
<b>Eligible Applicants</b>	States may request ER funds to repair federal-aid highways that have been damaged by natural disasters or catastrophic failures. They can use these funds for “emergency repairs” and “permanent repairs.”
<b>Type of Assistance Provided</b>	Financial Assistance
<b>Restrictions</b>	<a href="https://www.fhwa.dot.gov/reports/erm/er.pdf">https://www.fhwa.dot.gov/reports/erm/er.pdf</a>
<b>Funding Available</b>	\$100 million is authorized each year for the ER Program under 23 U.S.C. 125. Congress sometimes provides more funds for the ER program through supplemental appropriations. MAP-21 removed the \$100 million per state event cap. The total ER obligations for U.S. territories is limited to \$20 million in any fiscal year.
<b>Cost Sharing</b>	Approved ER funds are available at the pro-rata share that would normally apply to the federal-aid facility damaged. For interstate highways, the federal share is 90%. For all other highways, the federal share is 80%. The federal share for permanent ER repairs may amount to 90%. This can occur if the combined eligible ER expenses incurred by the state in a federal fiscal year exceeds the annual apportionment of the state under 23 U.S.C. section 104 for the fiscal year in which the disasters or failures occurred.
<b>Website</b>	<a href="https://www.fhwa.dot.gov/programadmin/erelief.cfm">https://www.fhwa.dot.gov/programadmin/erelief.cfm</a>
<b>Contact Name</b>	Katie Hulbert
<b>Contact Address</b>	1200 New Jersey Avenue, SE Washington, DC 20590
<b>Contact Phone</b>	202-809-4758 202-366-4655
<b>Contact Email</b>	kathleen.hulbert@dot.gov
<b>Equity-focused Resource?</b>	No
<b>Equity Theme</b>	N/A

## About the Resource

Title 23, Section 125 of the United States Code lets a program from the Highway Trust Fund repair or rebuild federal-aid highways and roads on federal lands. These roads must have been damaged by natural disasters or failures from an outside cause. This emergency relief (ER) program adds to the resources given by states, their political subdivisions or other federal agencies. The resources help to pay for high costs caused by unusual conditions.

## Case Study or Best Practice

You can find the division of Emergency Relief funds for Fiscal Year (FY) 2020:  
<https://www.fhwa.dot.gov/specialfunding/er/200227distribution.cfm>

## Hazardous Materials Emergency Preparedness Grants

<b>Agency or Organization</b>	Department of Transportation (DOT)/ Pipeline and Hazardous Materials Safety Administration (PHMSA)
<b>Resource Type</b>	Grant
<b>Hazard(s) Addressed</b>	Soil/Geologic Hazards
<b>Eligible Applicants</b>	State governments.
<b>Type of Assistance Provided</b>	Financial Assistance
<b>Restrictions</b>	None specified.
<b>Funding Available</b>	\$23,385,997 \$48,000-\$1,500,000 per project
<b>Cost Sharing</b>	Not specified.
<b>Website</b>	<a href="https://www.phmsa.dot.gov/grants/hazmat/hazardous-materials-emergency-preparedness-hmep-grant">https://www.phmsa.dot.gov/grants/hazmat/hazardous-materials-emergency-preparedness-hmep-grant</a>
<b>Contact Name</b>	Dwayne Cross
<b>Contact Address</b>	1200 New Jersey Avenue, SE Washington, DC 20590
<b>Contact Phone</b>	202-366-6688
<b>Contact Email</b>	dwayne.cross@dot.gov
<b>Equity-focused Resource?</b>	No
<b>Equity Theme</b>	N/A

## About the Resource

The HMEP grant helps grantees start training and planning programs. These programs address each location's needs. Those needs can be based on demographics, emergency response capabilities, commodity flow studies, and hazard analysis.

## Case Study or Best Practice

In 2021, the Indiana Department of Homeland Security got a \$520,323 HMEP grant. This money was for enhancing its emergency response capabilities. It did this for hazardous-materials-related transportation problems.

Source: [https://www.phmsa.dot.gov/sites/phmsa.dot.gov/files/2021-09/PHMSA%20FY21%20Comprehensive%20Grants%20Report\\_0.pdf](https://www.phmsa.dot.gov/sites/phmsa.dot.gov/files/2021-09/PHMSA%20FY21%20Comprehensive%20Grants%20Report_0.pdf)

## Ecosystem Investment Partners

<b>Agency or Organization</b>	Ecosystem Investment Partners
<b>Resource Type</b>	Private - Other
<b>Hazard(s) Addressed</b>	Coastal Hazards; Drought; Earthquake; Flood; Extreme Heat; Soil/Geologic Hazards; Wildfire; Tornado; Severe Weather; Severe Winter Storms
<b>Eligible Applicants</b>	Unknown.
<b>Type of Assistance Provided</b>	Technical Assistance
<b>Restrictions</b>	Unknown.
<b>Funding Available</b>	In 2020, Ecosystem Investment Partners raised \$454.5 million for proejct work.
<b>Cost Sharing</b>	Not required.
<b>Website</b>	ecosystempartners.com
<b>Contact Name</b>	
<b>Contact Address</b>	5550 Newbury Street Suite B Baltimore, MD 21209
<b>Contact Phone</b>	443-921-9441
<b>Contact Email</b>	info@ecosystempartners.com
<b>Equity-focused Resource?</b>	No
<b>Equity Theme</b>	N/A

## About the Resource

Ecosystem Investment Partners invests in major restoration. It spends private conservation money on local mitigation projects.

## Case Study or Best Practice

More money means more and larger projects. EIP's first four projects are restoring about 8,000 acres of wetlands. Its four most recent projects are in Minnesota, West Virginia, Louisiana, and Kentucky. They will restore over 35,000 acres and 100 miles of streams. Those areas include some of the largest private restoration projects in the country.

You can learn more at: <https://www.forbes.com/sites/ashoka/2014/04/25/how-private-capital-is-restoring-u-s-wetlands/#36c892415e83>

## National Dam Safety Program (NDSP)

<b>Agency or Organization</b>	Federal Emergency Management Agency (FEMA)
<b>Resource Type</b>	Grant, Technical
<b>Hazard(s) Addressed</b>	Dam Failure
<b>Eligible Applicants</b>	States, metropolitan cities and urban counties (i.e., CDBG entitlement recipients); nonentitlement communities that are assisted in the submission of applications by states that administer the CDBG program; nonentitlement communities eligible to receive CDBG funds under the HUD-Administered Small Cities CDBG program (Hawaii). The public entity may be the borrower. It may also designate a public agency as the borrower.
<b>Type of Assistance Provided</b>	Financial Assistance, Technical Assistance
<b>Restrictions</b>	Review the National Dam Safety Program Fact Sheet, found here: <a href="https://www.fema.gov/sites/default/files/2020-08/dam-safety-in-us.pdf">https://www.fema.gov/sites/default/files/2020-08/dam-safety-in-us.pdf</a>
<b>Funding Available</b>	Total annual allocation for FY 2023 in Region 5 is \$654,678
<b>Cost Sharing</b>	Not required for NDSP State Assistance Program; 35% cost share required for NDSP Rehabilitation of High Hazard Potential Dam Grant
<b>Website</b>	<a href="https://www.fema.gov/emergency-managers/risk-management/dam-safety/grants">https://www.fema.gov/emergency-managers/risk-management/dam-safety/grants</a>
<b>Contact Name</b>	Dan Ryan, Risk Analyst
<b>Contact Address</b>	536 S. Clark Street 6th Floor Chicago, IL 60605
<b>Contact Phone</b>	312-408-4432
<b>Contact Email</b>	<a href="mailto:Daniel.p.ryan@fema.dhs.gov">Daniel.p.ryan@fema.dhs.gov</a>
<b>Equity-focused Resource?</b>	No
<b>Equity Theme</b>	N/A

## About the Resource

The NDSP protects Americans from dam failure. It is a partnership of the states, federal agencies, and other stakeholders. It promotes the creation and upkeep of federal and state dam safety programs. The programs reduce dam-related risks to humans, property, and the environment.

## Case Study or Best Practice

The NDSP recently helped recovery efforts for the Lake Oroville Dam spillway failure in February 2017.

You can learn more about the North Carolina Dam Risk Management Assessment Report at: [https://www.fema.gov/sites/default/files/2020-07/fema\\_national-dam-safety\\_year-in-review\\_2017.pdf](https://www.fema.gov/sites/default/files/2020-07/fema_national-dam-safety_year-in-review_2017.pdf)



## Building Resilient Infrastructure and Communities (BRIC)

<b>Agency or Organization</b>	Federal Emergency Management Agency (FEMA)
<b>Resource Type</b>	Grant, Technical
<b>Hazard(s) Addressed</b>	Coastal Hazards; Drought; Earthquake; Flood; Extreme Heat; Soil/Geologic Hazards; Wildfire; Tornado; Severe Weather; Severe Winter Storms
<b>Eligible Applicants</b>	Review the Eligibility section of the BRIC site: <a href="https://www.fema.gov/grants/mitigation/building-resilient-infrastructure-communities/before-apply">https://www.fema.gov/grants/mitigation/building-resilient-infrastructure-communities/before-apply</a>
<b>Type of Assistance Provided</b>	Financial Assistance
<b>Restrictions</b>	BRIC funds may be used for: <ul style="list-style-type: none"> <li>- Capability and Capacity Building (C&amp;CB) Activities.</li> <li>- Mitigation Projects.</li> <li>- Management Costs.</li> </ul> Projects must: <ul style="list-style-type: none"> <li>- Be cost-effective.</li> <li>- Reduce or eliminate risk and damage from future natural hazards.</li> <li>- Meet either of the two latest published editions of relevant consensus-based codes, specifications, and standards.</li> <li>- Align with the applicable hazard mitigation plan.</li> <li>- Meet all environmental and historic preservation (EHP) requirements.</li> </ul>
<b>Funding Available</b>	Every year, the Building Resilient Infrastructure and Communities grant program has dedicated specific funds to each state and territory through the state and territory allocation. The amounts have increased year over year, going from \$600,000 in fiscal year 2020 to \$1 million in 2021 and \$2 million in 2022.
<b>Cost Sharing</b>	All sub-applications funded under BRIC must have a non-federal cost share. This may consist of cash, donated or third-party in-kind services, materials, or any combination thereof. The cost-share for BRIC is as follows: <ul style="list-style-type: none"> <li>- Generally, there is a 75%/25% non-federal cost share.</li> <li>- Economically disadvantaged rural communities, also known as small impoverished communities, are eligible for non-federal cost share, up to 90%/10%. Economically disadvantaged rural communities are communities of 3,000 or fewer individuals identified by the applicant. Their residents must have an average per capita annual income not exceeding 80% of the national per capita income, based on best available data.</li> <li>- FEMA will provide 100% federal funding for applicant and subapplicant management costs.</li> </ul>
<b>Website</b>	<a href="https://www.fema.gov/grants/mitigation/building-resilient-infrastructure-communities">https://www.fema.gov/grants/mitigation/building-resilient-infrastructure-communities</a>
<b>Contact Name</b>	Megan Hart
<b>Contact Address</b>	536 S. Clark Street 6th Floor Chicago, IL 60605
<b>Contact Phone</b>	312-408-5500
<b>Contact Email</b>	<a href="mailto:Megan.Hart@fema.dhs.gov">Megan.Hart@fema.dhs.gov</a>
<b>Equity-focused Resource?</b>	Yes

<b>Agency or Organization</b>	Federal Emergency Management Agency (FEMA)
<b>Equity Theme</b>	Vulnerable Communities

## About the Resource

Building Resilient Infrastructure and Communities (BRIC) will support states, local communities, tribes and territories as they undertake hazard mitigation projects, reducing the risks they face from disasters and natural hazards.

The BRIC guidelines grow communities' capability and capacity. They also allow for innovation and promote partnerships. Their flexibility and consistency help to complete large projects.

## Case Study or Best Practice

### Madison, Wisconsin:

Wisconsin was awarded BRIC funding in Fiscal Year 2021 for the Old Sauk Trails Business Park in Madison, Wisconsin. This area has experienced several flood events, including, most recently, in August 2018, when an extreme rain event caused about \$30 million in damage.

The Pheasant Branch Tributary Greenway Enhancement project is an infrastructure project that is designed to mitigate flood risks. The project aims to improve capacity and flood storage of greenway channels, expand three small stormwater ponds into a larger, wet greenway storage area, improve concrete culverts, and improve storm sewers. Across the work, project leads will seek to integrate nature-based solutions, including eliminating invasive species and increasing native plants. By implementing these plans, the Old Sauk Trails Business Park and surrounding community will be protected from flooding for up to a 100-year storm event.

To learn about other BRIC projects, including two new programs: Safeguarding Tomorrow Revolving Loan Fund and Non-Financial Direct Technical Assistance, visit <https://www.fema.gov/grants/mitigation/building-resilient-infrastructure-communities>.

## Public Assistance (PA) Mitigation Program

<b>Agency or Organization</b>	Federal Emergency Management Agency (FEMA)
<b>Resource Type</b>	Grant
<b>Hazard(s) Addressed</b>	Coastal Hazards; Drought; Earthquake; Flood; Extreme Heat; Soil/Geologic Hazards; Wildfire; Tornado; Severe Weather; Severe Winter Storms
<b>Eligible Applicants</b>	Eligible applicants include states, federally recognized tribal governments (including Alaska Native villages and organizations so long as they are not privately owned), U.S. territories, local governments, and certain private nonprofit organizations.
<b>Type of Assistance Provided</b>	Financial Assistance
<b>Restrictions</b>	Mitigation funding is generally only available for eligible disaster-damaged facilities. The project must directly reduce the potential of future, similar damage to the facility. It must be cost-effective and technically feasible. It also must comply with environmental and historic preservation laws, regulations, and EOs.
<b>Funding Available</b>	Mitigation funding limits are determined based on benefit-cost-analysis or as a percentage of the damaged facility's repair cost.
<b>Cost Sharing</b>	The federal share of assistance is not less than 75% of the eligible cost.
<b>Website</b>	<a href="https://www.fema.gov/sites/default/files/documents/fema_mitigate-disaster-damage-fact-sheet.pdf">https://www.fema.gov/sites/default/files/documents/fema_mitigate-disaster-damage-fact-sheet.pdf</a>
<b>Contact Name</b>	Mark Reagan
<b>Contact Address</b>	536 S. Clark Street 6 <sup>th</sup> Floor Chicago, IL 60605
<b>Contact Phone</b>	312-408-5500
<b>Contact Email</b>	Mark.Reagan@fema.dhs.gov
<b>Equity-focused Resource?</b>	Yes
<b>Equity Theme</b>	Other

## About the Resource

The FEMA PA program gives grants to state, territorial, tribal and local governments. Some types of non-profit organizations can also benefit. These grants help communities quickly respond to and recover from major disasters or emergencies declared by the president.

The program gives federal disaster grants to aid debris removal, emergency protective steps, and the repair of disaster-damaged public facilities. It can also help with the facilities of some private nonprofits. The PA program also protects damaged facilities from future events. It does so through cost-effective hazard mitigation measures.

FEMA's PA 406 mitigation program may also fund other mitigation projects. Find out more about 406 mitigation at: [https://www.fema.gov/sites/default/files/documents/fema\\_mitigate-disaster-damage-fact-sheet.pdf](https://www.fema.gov/sites/default/files/documents/fema_mitigate-disaster-damage-fact-sheet.pdf)

## Case Study or Best Practice

PA Section 406 funding helped to repair and restore sections of the Kankakee Riverbank. The riverbank is 5.6 miles long. It is north of De Motte, IN. Spring flooding caused the damage in February 2018. The flooding was declared a presidential disaster (DR-4363). Before the flooding, the riverbank was 25 feet wide. Flooding caused by the disaster eroded the riverbank to 15-20 feet in most areas. The project restores the width of the riverbank by adding riprap to the ridge. Riprap helps protect people and property near the Kankakee River. PA Section 406 gave \$1,036,875 toward the total cost of \$3,580,468.

## Emergency Management Performance Grant (EMPG)

<b>Agency or Organization</b>	Federal Emergency Management Agency (FEMA)
<b>Resource Type</b>	Grant
<b>Hazard(s) Addressed</b>	Coastal Hazards; Drought; Earthquake; Flood; Extreme Heat; Soil/Geologic Hazards; Wildfire; Tornado; Severe Weather; Severe Winter Storms
<b>Eligible Applicants</b>	All 56 states and territories, as well as the Republic of the Marshall Islands and the Federated States of Micronesia (collectively “state or territory”), are eligible to apply for FY 2022 EMPG program funds. Either the SAA or the EMA is eligible to apply directly to FEMA for EMPG program funds on behalf of each state or territory.
<b>Type of Assistance Provided</b>	Financial Assistance
<b>Restrictions</b>	Only one application will be accepted from each state or territory. An application submitted by an otherwise eligible non-federal entity (i.e., the applicant) may be deemed ineligible when the person that submitted the application is not: 1) a current employee, personnel, official, staff, or leadership of the non-federal entity; and 2) duly authorized to apply for an award on behalf of the non-federal entity at the time of application. Recipients must ensure and maintain adoption and implementation of NIMS.
<b>Funding Available</b>	Available Funding for the NOFO: \$355.1 million
<b>Cost Sharing</b>	The EMPG Program budget shall not exceed 50% of the total budget as submitted in the application and approved in the award. If the total project ends up costing more, the recipient is responsible for any additional costs; if the total project ends up costing less, the recipient may owe FEMA an amount required to ensure that the federal cost share is not in excess of 50%.
<b>Website</b>	<a href="https://www.fema.gov/grants/preparedness/emergency-management-performance">https://www.fema.gov/grants/preparedness/emergency-management-performance</a>
<b>Contact Name</b>	FEMA Region 5
<b>Contact Address</b>	536 S. Clark Street Chicago, IL 60605
<b>Contact Phone</b>	800-865-4076
<b>Contact Email</b>	NDGrants@fema.dhs.gov
<b>Equity-focused Resource?</b>	No
<b>Equity Theme</b>	N/A

## About the Resource

The EMPG gives state, local, tribal and territorial emergency management agencies resources to use the National Preparedness System. It also helps the National Preparedness Goal of a strong and secure nation. The EMPG supports building and sustaining core capabilities across prevention, protection, mitigation, response and recovery.

## Case Study or Best Practice

Cheboygan County, MI received \$28,510 in FY21 to help the county's emergency management department. Read more about the grant at: <https://www.cheboygannews.com/story/news/2021/10/26/county-receives-28-510-grant-emergency-management-director/8543572002/>

FEMA gave more than \$9 million to Michigan to help prepare for hazards and enhance emergency management capabilities. Read more about this award at: <https://www.fema.gov/press-release/20210318/fema-awards-9-million-preparedness-grant-michigan>

## Environmental Planning and Historic Preservation (EHP)

<b>Agency or Organization</b>	Federal Emergency Management Agency (FEMA)
<b>Resource Type</b>	Policy
<b>Hazard(s) Addressed</b>	Dam Failure
<b>Eligible Applicants</b>	Structures 50 years or older from current date.
<b>Type of Assistance Provided</b>	Technical Assistance
<b>Restrictions</b>	N/A
<b>Funding Available</b>	N/A
<b>Cost Sharing</b>	N/A
<b>Website</b>	<a href="https://www.fema.gov/emergency-managers/practitioners/environmental-historic">https://www.fema.gov/emergency-managers/practitioners/environmental-historic</a>
<b>Contact Name</b>	Duane Castaldi
<b>Contact Address</b>	536 S. Clark Street 6th Floor Chicago, IL 60605
<b>Contact Phone</b>	312-408-5549
<b>Contact Email</b>	duane.castaldi@fema.dhs.gov
<b>Equity-focused Resource?</b>	No
<b>Equity Theme</b>	N/A

## About the Resource

The EHP program uses environmental, historic, and cultural resources for FEMA's mission, programs, and activities. It makes sure FEMA meets federal environmental and historic preservation laws. It does so for disaster response and recovery, hazard mitigation and emergency preparedness. It also helps FEMA staff, partners, and grantees with environmental and historic preservation.

## Case Study or Best Practice

St. Croix, Minnesota

On July 1, 2011, storms and straight-line winds going faster than 100 miles per hour tore through the St. Croix Recreational Demonstration Area (RDA). The weather knocked down trees, which blocked roadways. It also damaged buildings across the park. On July 28, the president declared a major disaster for Minnesota. The action made federal funding available on a cost-sharing basis to the Minnesota Department of Natural Resources (DNR). FEMA's environmental review staff met with DNR and FEMA's Public Assistance Branch often. They reviewed 60 grant projects and repair specifications. Their goal was to make sure the repairs would not change the historic character of the RDA. The projects helped with damage to the park's historic resources. That help saved a key part of our nation's history. The success lets the park offer outdoor recreation like it was planned to almost 80 years ago.

## Flood Mitigation Assistance (FMA) Grant

<b>Agency or Organization</b>	Federal Emergency Management Agency (FEMA)
<b>Resource Type</b>	Grant
<b>Hazard(s) Addressed</b>	Flood
<b>Eligible Applicants</b>	Applicants must be states, U.S. territories, federally recognized tribes, or local governments.
<b>Type of Assistance Provided</b>	Financial Assistance
<b>Restrictions</b>	Restrictions can be found in the HMA Guidance, located here: <a href="https://www.fema.gov/grants/mitigation/hazard-mitigation-assistance-guidance">https://www.fema.gov/grants/mitigation/hazard-mitigation-assistance-guidance</a>
<b>Funding Available</b>	For fiscal year 2022, FEMA made a total of \$800 million available for the Flood Mitigation Assistance program.
<b>Cost Sharing</b>	Generally, federal cost share funding is available for up to 75% of the eligible activity costs. However, based on Flood Mitigation Assistance funding allocated from the BIL, FEMA may contribute up to 90% federal cost share for eligible costs for a property that has National Flood Insurance Program insurance and is located within a census tract with a Centers for Disease Control and Prevention (CDC) Social Vulnerability Index (SVI) not less than 0.5001.
<b>Website</b>	<a href="https://www.fema.gov/flood-mitigation-assistance-grant-program">https://www.fema.gov/flood-mitigation-assistance-grant-program</a>
<b>Contact Name</b>	Megan Hart
<b>Contact Address</b>	536 S. Clark Street 6th Floor Chicago, IL 60605
<b>Contact Phone</b>	312-408-5500
<b>Contact Email</b>	Megan.Hart@fema.dhs.gov
<b>Equity-focused Resource?</b>	Yes
<b>Equity Theme</b>	Federal Initiatives

## About the Resource

Section 1366 of the National Flood Insurance Act of 1968 authorizes the FMA program. Its goal is to reduce claims under the National Flood Insurance Program (NFIP). FMA funds states, territories, federally-recognized tribes, and local communities. The funds help to reduce the long-term risk of flood damage to structures insured under the NFIP. FMA funding can also help with management costs. Congress sets the funding each year.

## Case Study or Best Practice

Stark County, Ohio



You can find the following case study at: <https://www.fema.gov/press-release/20210318/fema-awards-767323-grant-stark-county-park-district>

FEMA has given \$767,323 in FMA funds to the Stark County Park District in Ohio. The funds are for the mitigation of five flood-prone residential structures in the floodplain of the Zimber Ditch and the West Branch of Nimishillen Creek. These structures will be obtained and destroyed.

"The Flood Mitigation Assistance Grant Program enables communities to implement critical mitigation measures to reduce or eliminate the risk of loss of life and property," said Janet M. Odesloo. Janet is the acting regional administrator of FEMA Region 5. "This project will lessen the financial impact on individuals and the community when future flooding occurs in this area."

"Zimber Ditch has been a recurring problem," said Sima Merick, executive director of the Ohio Emergency Management Agency. "We are pleased to partner with both FEMA and the Stark County Park District on this important project."

FMA gives grants to state and local governments for long-term hazard mitigation steps. Through FMA, FEMA will pay \$767,323 of the eligible \$964,380. The Stark County Park District will give the remaining \$197,057.

## Hazard Mitigation Grant Program (HMGP)

<b>Agency or Organization</b>	Federal Emergency Management Agency (FEMA)
<b>Resource Type</b>	Grant, Technical
<b>Hazard(s) Addressed</b>	Coastal Hazards; Drought; Earthquake; Flood; Extreme Heat; Soil/Geologic Hazards; Wildfire; Tornado; Severe Weather; Severe Winter Storms
<b>Eligible Applicants</b>	Government entities and non-profit organizations
<b>Type of Assistance Provided</b>	Financial Assistance
<b>Restrictions</b>	Must have or take part in a FEMA-approved Hazard Mitigation Plan. Must be in good standing in the NFIP.
<b>Funding Available</b>	Varies. The amount of funding made available is a percentage of the total disaster costs.
<b>Cost Sharing</b>	75/25
<b>Website</b>	<a href="https://www.fema.gov/grants/mitigation/hazard-mitigation">https://www.fema.gov/grants/mitigation/hazard-mitigation</a>
<b>Contact Name</b>	Matt Schnepf
<b>Contact Address</b>	Emergency Management and Homeland Security Division Michigan State Police PO Box 30634 Lansing, MI 48909
<b>Contact Phone</b>	517-284-3950
<b>Contact Email</b>	Schnepf1@michigan.gov
<b>Equity-focused Resource?</b>	No
<b>Equity Theme</b>	N/A

### About the Resource

FEMA funds state, local, tribal and territorial governments. Those groups must rebuild to reduce their future disaster losses. This funding can be used after a presidentially-declared disaster.

### Case Study or Best Practice

There are many project examples. Look at the eligible risk reduction projects for more information at: <https://www.fema.gov/grants/mitigation/hazard-mitigation#reduce-risk>

## Rehabilitation of High Hazard Potential Dam (HHPD) Grant Program

<b>Agency or Organization</b>	Federal Emergency Management Agency (FEMA)
<b>Resource Type</b>	Grant
<b>Hazard(s) Addressed</b>	Dam Failure
<b>Eligible Applicants</b>	Non-federal sponsors. These are defined as non-federal governments and nonprofit organizations.
<b>Type of Assistance Provided</b>	Financial Assistance
<b>Restrictions</b>	Eligible activities include the repair, removal or structural/nonstructural rehabilitation of eligible high hazard potential dams. See the HHPD Grant Program Fact Sheet, found here: <a href="https://www.fema.gov/sites/default/files/documents/fema_hhpd-fact-sheet_05-19-2020.pdf">https://www.fema.gov/sites/default/files/documents/fema_hhpd-fact-sheet_05-19-2020.pdf</a>
<b>Funding Available</b>	FEMA was appropriated \$22 million to implement the Rehabilitation of HHPD Grant Program for Fiscal Year 2022.
<b>Cost Sharing</b>	A grant under this program should not exceed the lesser of (i) 12.5% of the total amount of funds made available; or (ii) \$7.5 million. Non-federal cost share requirement of not less than 35%, which may partially or fully be in-kind.
<b>Website</b>	<a href="https://www.fema.gov/emergency-managers/risk-management/dam-safety/grants#hhpd">https://www.fema.gov/emergency-managers/risk-management/dam-safety/grants#hhpd</a>
<b>Contact Name</b>	Dan Ryan, Risk Analyst
<b>Contact Address</b>	536 S. Clark Street 6th Floor Chicago, IL 60605
<b>Contact Phone</b>	312-408-4432
<b>Contact Email</b>	<a href="mailto:Daniel.p.ryan@fema.dhs.gov">Daniel.p.ryan@fema.dhs.gov</a>
<b>Equity-focused Resource?</b>	No
<b>Equity Theme</b>	N/A

### About the Resource

The president signed the Water Infrastructure Improvements for the Nation Act on December 16, 2012. It is also known as the WIIN Act. It changed the National Dam Safety Program Act (Pub. L. 92-367) by adding a new grant program. Section 5006 of the Act is called “Rehabilitation of High Hazard Potential Dams.” It gives technical, planning, design, and construction help. It does so through grants to non-federal sponsors. The grants help to improve eligible high hazard potential dams (33 USC §467f-2).

### Case Study or Best Practice

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State of Michigan

None identified.

## Partners for Places

<b>Agency or Organization</b>	Funders' Network
<b>Resource Type</b>	Private - Other
<b>Hazard(s) Addressed</b>	Coastal Hazards; Drought; Earthquake; Flood; Extreme Heat; Landslide; Soil/Geologic Hazards; Wildfire; Tornado; Severe Weather; Severe Winter Storms
<b>Eligible Applicants</b>	Unknown.
<b>Type of Assistance Provided</b>	Financial Assistance
<b>Restrictions</b>	Unknown.
<b>Funding Available</b>	\$45,000-\$150,000 for one-year projects; \$75,000-\$180,000 for two-year projects.
<b>Cost Sharing</b>	50% matching.
<b>Website</b>	<a href="https://www.fundersnetwork.org/partners-for-places/">https://www.fundersnetwork.org/partners-for-places/</a>
<b>Contact Name</b>	Ashley Quintana
<b>Contact Address</b>	6705 SW 57th Avenue Suite 700 Coral Gables, FL 33143
<b>Contact Phone</b>	305-667-6350 ext. 201
<b>Contact Email</b>	ashley@fundersnetwork.org
<b>Equity-focused Resource?</b>	Yes
<b>Equity Theme</b>	Empowerment, Vulnerable Communities

## About the Resource

Partners for Places helps cities and counties in the United States and Canada improve. It builds partnerships between local government sustainability offices and place-based foundations.

## Case Study or Best Practice

Cleveland, Ohio (\$50,000): To transition to 100% clean and renewable electricity. The plan focuses on resilience, energy security, and green jobs for Clevelanders most in need. Matching funders are The Cleveland Foundation (\$25,000), The George Gund Foundation (\$25,000) and United Black Fund of Greater Cleveland (\$4,000).

## Disaster Assistance and Emergency Relief for Individuals and Businesses

<b>Agency or Organization</b>	Internal Revenue Service (IRS)
<b>Resource Type</b>	Tax Relief
<b>Hazard(s) Addressed</b>	Coastal Hazards; Drought; Earthquake; Flood; Extreme Heat; Soil/Geologic Hazards; Wildfire; Tornado; Severe Weather; Severe Winter Storms
<b>Eligible Applicants</b>	U.S. taxpayers, including individuals and businesses affected by federally declared disasters.
<b>Type of Assistance Provided</b>	Technical Assistance, Financial Assistance
<b>Restrictions</b>	Varies by entity.
<b>Funding Available</b>	N/A
<b>Cost Sharing</b>	N/A
<b>Website</b>	<a href="https://www.irs.gov/businesses/small-businesses-self-employed/disaster-assistance-and-emergency-relief-for-individuals-and-businesses">https://www.irs.gov/businesses/small-businesses-self-employed/disaster-assistance-and-emergency-relief-for-individuals-and-businesses</a>
<b>Contact Name</b>	Danny Smith
<b>Contact Address</b>	400 West Bay St Jacksonville, FL 32202
<b>Contact Phone</b>	904-661-3343
<b>Contact Email</b>	danny.smith@irs.gov
<b>Equity-focused Resource?</b>	No
<b>Equity Theme</b>	N/A

### About the Resource

Special tax law provisions may help taxpayers and businesses recover from disasters. Federally-declared major disaster areas are a focus for help. The IRS may grant extra time to file returns and pay taxes. Individuals and businesses in a disaster area can get a faster refund by claiming losses related to the disaster. This can be done by filing an amended return. The IRS also offers presentations on planning for disaster. These presentations discuss business continuity planning, insurance coverage, record keeping, and other tips.

### Case Study or Best Practice

Publication 976 lists information about IRS disaster relief. For example, it has information about help given during Harvey, Irma, California wildfires, and other disasters. You can find the list at: <https://www.irs.gov/publications/p976>

Publication 547 has example claims to help applicants understand if they qualify and how to complete the application. You can find examples at: <https://www.irs.gov/pub/irs-pdf/p547.pdf>

## Environment Grantmaking: Climate Solutions and Great Lakes

<b>Agency or Organization</b>	Joyce Foundation
<b>Resource Type</b>	Private - Grant
<b>Hazard(s) Addressed</b>	Coastal Hazards; Flood; Soil/Geologic Hazards
<b>Eligible Applicants</b>	Unknown.
<b>Type of Assistance Provided</b>	Financial Assistance, Technical Assistance
<b>Restrictions</b>	Visit the guidelines page to find out more about project restrictions. You can find it at <a href="https://www.joycefdn.org/grants/environment-guidelines">https://www.joycefdn.org/grants/environment-guidelines</a>
<b>Funding Available</b>	\$5 million.
<b>Cost Sharing</b>	Unknown.
<b>Website</b>	<a href="https://www.joycefdn.org/grants/environment-guidelines">https://www.joycefdn.org/grants/environment-guidelines</a>
<b>Contact Name</b>	Ed Miller, Environment Program Co-Director
<b>Contact Address</b>	321 N Clark Street #1500 Chicago, IL 60654
<b>Contact Phone</b>	312-782-2464
<b>Contact Email</b>	info@joycefdn.org
<b>Equity-focused Resource?</b>	Yes
<b>Equity Theme</b>	Empowerment

### About the Resource

The Joyce Foundation will address two of the Great Lakes Region's critical long-term environmental challenges. They are climate change and the health of the Great Lakes. Climate change is the biggest threat to our communities and planet. Joyce will help policies that promote climate solutions. These solutions include clean energy strategies made to fix economic and equity issues facing the next generation. For over 20 years, Joyce has led policy work for the Great Lakes. The foundation will continue to protect and restore the Great Lakes. It will also add grants to help everyone in our region share the best benefit of the Great Lakes: clean, safe and affordable drinking water. The Joyce Foundation seeks to get people from impacted communities to take part in environmental policy. Moreover, applicants who want to improve racial equity, social justice, inclusion and diversity in their organization are invited to describe their efforts and how Joyce can help reach those goals.

### Case Study or Best Practice

You can find the Joyce Foundation's Grants Database at: <http://www.joycefdn.org/grants>

## Great Lakes & Drinking Water Initiative

<b>Agency or Organization</b>	Joyce Foundation
<b>Resource Type</b>	Grant, Technical
<b>Hazard(s) Addressed</b>	Coastal Hazards; Drought; Flood; Severe Weather; Severe Winter Storms
<b>Eligible Applicants</b>	Unknown.
<b>Type of Assistance Provided</b>	Financial Assistance, Technical Assistance
<b>Restrictions</b>	Visit the guidelines page to find out more about project restrictions. You can find it at <a href="https://www.joycefdn.org/grants/environment-guidelines">https://www.joycefdn.org/grants/environment-guidelines</a>
<b>Funding Available</b>	Unknown.
<b>Cost Sharing</b>	Unknown.
<b>Website</b>	<a href="https://www.joycefdn.org/programs/environment">https://www.joycefdn.org/programs/environment</a>
<b>Contact Name</b>	Ed Miller, Environment Program Co-Director
<b>Contact Address</b>	312 N Clark St #1500 Chicago, IL 60654
<b>Contact Phone</b>	312-782-2464
<b>Contact Email</b>	<a href="mailto:info@joycefdn.org">info@joycefdn.org</a>
<b>Equity-focused Resource?</b>	Yes
<b>Equity Theme</b>	Empowerment

## About the Resource

The Environment Program grants support research, policy development, coalition building and communications. They also support advocacy, policy implementation, policy enforcement and evaluation. They focus on local and state policy in Illinois, Ohio, Wisconsin and Michigan. A Joyce Foundation webpage lists other grant programs, funding information and more.

## Case Study or Best Practice

You can find the Joyce Foundation's Grants Database at: <http://www.joycefdn.org/grants>



## Lake Conservation Grant

<b>Agency or Organization</b>	Midwest Glacial Lakes Partnership
<b>Resource Type</b>	Grant
<b>Hazard(s) Addressed</b>	Flood; Soil/Geologic Hazards
<b>Eligible Applicants</b>	Unknown.
<b>Type of Assistance Provided</b>	Financial Assistance
<b>Restrictions</b>	Projects must align with the strategic goals of the MGLP.
<b>Funding Available</b>	Normally, three to five projects are awarded \$30,000-\$100,000 each. This occurs on a yearly basis. Larger projects will be considered for funding up to a maximum of the approximately \$360,000 expected for distribution.
<b>Cost Sharing</b>	Unknown.
<b>Website</b>	<a href="https://midwestglaciallakes.org/grant/">https://midwestglaciallakes.org/grant/</a>
<b>Contact Name</b>	Joe Nohner
<b>Contact Address</b>	525 West Allegan Street Lansing, MI 48933
<b>Contact Phone</b>	517-284-6236
<b>Contact Email</b>	<a href="mailto:nohnerj@michigan.gov">nohnerj@michigan.gov</a>
<b>Equity-focused Resource?</b>	No
<b>Equity Theme</b>	N/A

## About the Resource

The grant program supports projects that work toward the MGLP's goal to improve aquatic conservation efforts. It does so in Midwest communities.

## Case Study or Best Practice

Lake Goguwac's stormwater diversion project in 2021 (\$75,000, Michigan). You can find other example projects at: <https://midwestglaciallakes.org/grant/>

## Climate Solutions University

<b>Agency or Organization</b>	Model Forest Policy Program
<b>Resource Type</b>	Technical
<b>Hazard(s) Addressed</b>	Coastal Hazards; Drought; Earthquake; Flood; Extreme Heat; Soil/Geologic Hazards; Wildfire; Tornado; Severe Weather; Severe Winter Storms
<b>Eligible Applicants</b>	Unknown.
<b>Type of Assistance Provided</b>	Technical Assistance
<b>Restrictions</b>	Unknown.
<b>Funding Available</b>	Unknown.
<b>Cost Sharing</b>	Unknown.
<b>Website</b>	<a href="http://www.mfpp.org/climate-solutions-university/">http://www.mfpp.org/climate-solutions-university/</a>
<b>Contact Name</b>	Dr. Gwen Griffith
<b>Contact Address</b>	P.O. Box 328 Sagle, ID 83860
<b>Contact Phone</b>	None provided
<b>Contact Email</b>	info@mfpp.org
<b>Equity-focused Resource?</b>	Yes
<b>Equity Theme</b>	Vulnerable Communities

## About the Resource

CSU helps communities find where they are weak to climate change. It then helps to decide what actions can be taken.

CSU has helped leaders in over 33 U.S. communities do the following:

- Build public support for climate change plans.
- Develop leadership and organization skills.
- Calculate how natural resources can help a region.
- Order the risks climate change poses to local natural resources, people and economies.
- Find public policy problems and solutions.
- Discover how climate change impacts the most vulnerable citizens.
- Create adaptive goals and action steps.
- Succeed in fundraising, political support, outreach and engagement, monitoring and evaluating.
- Include climate concerns in decisions.

## Case Study or Best Practice

“Climate Solutions University was an invaluable resource as we created the Nashville Area MPO’s regional resilience and climate adaptation plan. The Climate Solutions University team is composed of experts in economics, public policy, environmental communication, stakeholder engagement, environmental science, climate change, and green infrastructure, and they provided organizational support, deep knowledge of relevant issues, and kept us on track throughout the process.”

~ Wesley Rhodes, 2015 Participant, Nashville Area Metropolitan Planning Organization

“Climate Solutions University provided us with the guidance and leadership necessary to conduct a successful climate adaptation planning process. It is an ideal program for organizing small-scale resources, building community relations, and conducting thorough assessments that can lead to actionable climate preparedness plans.”

~ Alba Polonkey, 2015 Participant, Sustainable Sandhills (NC)

In Sumner County, TN, the 2035 Comprehensive Plan now has climate resilience measures. Those measures include goals for new steep slope protection ordinances and a countywide 2% increase in tree canopy. The canopy should help reduce tree loss along headwater streams.

Taos, NM, woke up to water supply threats and adopted a new water conservation plan.

The Durango, CO, Mountain Studies Institute is active in climate resilience and adaptive management. It monitors climate change for the San Juan Resource Management Plan.

The Keene, NH, Sustainability Project members helped adopt the Ashuelot River 10-Year Implementation Plan. It is the first river protection plan in the state to address climate change. It received praise for doing so.

The Moab, UT, Canyonlands Watershed Council’s climate planning led to a \$50,000 grant. It also recently created the Moab Area Watershed Partnership (MAWP). The MAWP covers over 11,000 square miles and five designated impaired water bodies.

The Norton Bay, AK, Watershed Climate Adaptation and Action Plan is the initial climate planning template. It will help develop local regional plans for the Native Alaskan Villages of Norton Sound.

“The support system Dan River Basin Association (DRBA) built through Climate Solutions University- from state and federal government agencies, to local leaders, to other environmental groups – were vital to DRBA in responding to and navigating media relations, public concerns, and corporate negotiations. ....because of Climate Solutions University, we were able to quickly find our bearings after the Dan River coal ash spill and move into action, into the solution. We worked with our partners to press for and won passage of the strongest coal ash management laws in the nation.”

~ Jenny Edwards, 2011 participant, Dan River Basin Association, NC

“I think the CSU program is well organized and in a great format for writing a climate adaptation plan. I am excited to start implementing!”

~ Morgan Green, 2014 Participant, Nisqually River Council, WA

“I highly recommend any agency seeking to pursue these issues engage MFPP for assistance. They fully understand the complexities of problems associated with forest, water and climate and how various policies can be implemented for governmental institutions to modify and change their existing directives and policies.”

~ James A. Stafne, Chairman Cookeville Planning Commission, TN

## Five Star and Urban Waters Restoration Grant Program

<b>Agency or Organization</b>	National Fish & Wildlife Foundation (NFWF)
<b>Resource Type</b>	Grant
<b>Hazard(s) Addressed</b>	Coastal Hazards; Drought; Flood; Soil/Geologic Hazards; Severe Weather; Severe Winter Storms
<b>Eligible Applicants</b>	Eligible applicants include non-profit 501(c) organizations; state government agencies; local governments; municipal governments; tribal governments and organizations; and educational institutions.
<b>Type of Assistance Provided</b>	Financial Assistance
<b>Restrictions</b>	Proposals should address at least one bullet under each of the five bolded priorities: On-the-Ground Restoration. Environmental Outreach, Education & Training. Community Partnerships. Measurable Results. Sustainability.
<b>Funding Available</b>	About \$2,650,000 is available nationwide for projects that meet program priorities. There is one round of full proposals each year for this program. Awards range from \$20,000 to \$50,000. The average size is \$35,000. About 50 grants are awarded per year. Grants should span 12 to 18 months with a start date in late summer/early fall.
<b>Cost Sharing</b>	Not specified.
<b>Website</b>	<a href="https://www.nfwf.org/programs/five-star-and-urban-waters-restoration-grant-program">https://www.nfwf.org/programs/five-star-and-urban-waters-restoration-grant-program</a>
<b>Contact Name</b>	Carrie Clingan
<b>Contact Address</b>	1133 15th Street NW Suite 1000 Washington, DC 20005
<b>Contact Phone</b>	202-595-2471
<b>Contact Email</b>	carrie.clingan@nfwf.org
<b>Equity-focused Resource?</b>	No
<b>Equity Theme</b>	N/A

## About the Resource

The Five Star and Urban Waters Restoration Program focuses on care of coastal, wetland and riparian ecosystems across the country. It seeks to meet the conservation needs of important species and habitats. The program provides measurable and meaningful conservation and educational outcomes. It also requires diverse partnerships and outreach. These requirements will help to meet conservation goals.

## Case Study or Best Practice

Improving Habitat Through Community Engagement in Milwaukee's Primary Environmental Corridor (WI), 2022

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State of Michigan

Grantee: Urban Ecology Center

Grant Amount: \$31,500

Matching Funds: \$63,300

Total Project Amount: \$94,800

Remove invasive species, plant native species, and enhance pollinator habitat through community engagement in Milwaukee's Rotary Centennial Arboretum. This project will remove 100 ash trees to mitigate emerald ash borer. It will also plant trees to improve diversity and complete a 4-acre prescribed burn to manage invasive species.

## Emergency Coastal Resilience Fund (ECRF)

<b>Agency or Organization</b>	National Fish and Wildlife Foundation
<b>Resource Type</b>	Grant
<b>Hazard(s) Addressed</b>	Coastal Hazards
<b>Eligible Applicants</b>	Eligible projects must be located within the NCRF coastal areas. They also must be within counties that received a federal Major Disaster Declaration with a Public Assistance designation as a result of hurricanes or wildfires in 2020 and 2021. You can find coastal areas recognized by the NCRF here: <a href="https://www.arcgis.com/apps/View/index.html?appid=1dd16e528fd844b49d765b51402feb8c&amp;extent">https://www.arcgis.com/apps/View/index.html?appid=1dd16e528fd844b49d765b51402feb8c&amp;extent</a>
<b>Type of Assistance Provided</b>	Financial Assistance, Technical Assistance
<b>Restrictions</b>	None identified.
<b>Funding Available</b>	Grant amounts vary based on the funding allowed for each application period.
<b>Cost Sharing</b>	Not specified.
<b>Website</b>	<a href="https://www.nfwf.org/programs/emergency-coastal-resilience-fund">https://www.nfwf.org/programs/emergency-coastal-resilience-fund</a>
<b>Contact Name</b>	Suzanne Sessine
<b>Contact Address</b>	1133 Fifteenth St. N.W. Suite 1000 Washington, DC 20005
<b>Contact Phone</b>	202-595-2477
<b>Contact Email</b>	Suzanne.Sessine@nfwf.org
<b>Equity-focused Resource?</b>	No
<b>Equity Theme</b>	N/A

## About the Resource

The NFWF and the National Oceanic and Atmospheric Administration (NOAA) made the 2021 ECRF. The ECRF helps projects that strengthen coastal communities. Those communities must have been damaged by hurricanes and wildfires in 2020 and 2021. The Extending Government Funding and Delivering Emergency Assistance Act of 2022 (PL 117-43) funded the program. The fund helps projects create and restore systems to help protect communities from coastal storms, floods, sea-level rise, coastal erosion, wildfires and landslides. It also helps communities recover from these events. At the same time, it improves habitats for fish and other species.

## Case Study or Best Practice

Facilitating Development of Coastal Resilience Projects for Great Lakes Shoreline Communities (multiple states)

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State of Michigan

Grantee: Great Lakes and St. Lawrence Cities Initiative

Grant Amount: . . . . . \$380,000

Matching Funds: . . . . . \$385,000

Total Project Amount: . . . . . \$765,000

The grant helps communities plan projects that stop or lessen impacts in coastal areas. It also aids collaboration on coastal resilience needs and options. This project works with coastal communities to judge coastal resilience needs; mitigate risks to infrastructure; assess project feasibility; outline project needs and funding; and direct the next steps for starting coastal resilience projects.



## National Coastal Resilience Fund

<b>Agency or Organization</b>	National Fish and Wildlife Foundation
<b>Resource Type</b>	Grant, Technical
<b>Hazard(s) Addressed</b>	Coastal Hazards
<b>Eligible Applicants</b>	Non-profit 501(c) organizations; state and territorial government agencies; local governments; municipal governments; tribal governments and organizations; educational institutions; or commercial (for-profit) organizations.
<b>Type of Assistance Provided</b>	Financial Assistance
<b>Restrictions</b>	Grant amount: \$185,609. Match amount: \$215,000. In 2020, Southeast Detroit got a grant to start a planning effort. The project will study the flooding issues in the community and suggest answers. It will survey households with flooding issues. Some will get home assessments to address the cause of their flooding. The plan focuses on nature-based, green stormwater infrastructure and restoration solutions that could lessen the flooding risk and help the ecosystem recover. You can find more success stories here: <a href="https://www.nfwf.org/programs/national-coastal-resilience-fund/coastal-resilience-success-stories">https://www.nfwf.org/programs/national-coastal-resilience-fund/coastal-resilience-success-stories</a>
<b>Funding Available</b>	Up to \$140 million in funding in the program. Most awards range from \$100,000 to \$1,000,000.
<b>Cost Sharing</b>	A minimum 1:1 non-federal match in cash or in-kind services is expected and strongly encouraged.
<b>Website</b>	<a href="https://www.nfwf.org/programs/national-coastal-resilience-fund">https://www.nfwf.org/programs/national-coastal-resilience-fund</a>
<b>Contact Name</b>	Aislinn Gauchay
<b>Contact Address</b>	1133 Fifteenth St. N.W. Suite 1000 Washington, DC 20005
<b>Contact Phone</b>	202-857-0166
<b>Contact Email</b>	<a href="mailto:Aislinn.Gauchay@nfwf.org">Aislinn.Gauchay@nfwf.org</a>
<b>Equity-focused Resource?</b>	Yes
<b>Equity Theme</b>	Vulnerable Communities

## About the Resource

The NCRF restores and expands natural features. Features include coastal marshes and wetlands, dune and beach systems, oyster and coral reefs, forests, coastal rivers and floodplains, and barrier islands. These features lessen the impacts of storms and other natural events on nearby communities. These efforts also improve habitats for fish and wildlife.

Source: <https://www.nfwf.org/sites/default/files/2020-11/national-coastal-resilience-fund-2020-grant-slate.pdf>

## Case Study or Best Practice

Grant amount: \$185,609. Match amount: \$215,000. In 2020, Southeast Detroit got a grant to start a planning effort. The project will study the flooding issues in the community and suggest answers. It will survey households with flooding issues. Some will get home assessments to address the cause of their flooding. The plan focuses on nature-based, green stormwater infrastructure and restoration solutions that could lessen the flooding risk and help the ecosystem recover.

## National Federal Partnership Liaison

<b>Agency or Organization</b>	National Oceanic and Atmospheric Administration (NOAA)
<b>Resource Type</b>	Grant
<b>Hazard(s) Addressed</b>	Coastal Hazards; Flood
<b>Eligible Applicants</b>	Sea Grant College programs; institutional programs; coherent area programs; and the National Sea Grant Library.
<b>Type of Assistance Provided</b>	Financial Assistance
<b>Restrictions</b>	Applicants must provide letters of intent. Those letters should name the proposed federal partner agency; describe of the position; describe the Sea Grant and partner goals that will be served by this partnership; describe the position duration; and state the approximate amount of funding to be requested from both NOAA Sea Grant and the federal partner agency. This letter of intent should not exceed five pages in length. A federal agency letter of support is not required until the full proposal submission.
<b>Funding Available</b>	Up to \$100K of NSGO federal dollars each year for up to four years.
<b>Cost Sharing</b>	The Sea Grant program provides 50% match of NSGO funds. Federal partners provide an equal amount to NSGO.
<b>Website</b>	<a href="https://seagrant.noaa.gov/liaisons">https://seagrant.noaa.gov/liaisons</a>
<b>Contact Name</b>	Nikola Garber Deputy Director, National Sea Grant College Program
<b>Contact Address</b>	1315 East-West Highway Room 11735 Silver Spring, MD 20910
<b>Contact Phone</b>	301-734-1066
<b>Contact Email</b>	<a href="mailto:Nikola.Garber@noaa.gov">Nikola.Garber@noaa.gov</a>
<b>Equity-focused Resource?</b>	No
<b>Equity Theme</b>	N/A

## About the Resource

The National Federal Partnership Liaison works with the NOAA Sea Grant Office (NSGO) and other federal agencies and programs with similar goals. This program will fund two to three liaisons at up to \$100K of Sea Grant federal dollars. This process will happen each year for four years.

## Case Study or Best Practice

Read about Chiara Zuccari on-Crowe. She is the Great Lakes Sea Grant Network/GLERL Liaison with the Michigan Sea Grant. You can find her profile at: <https://www.michiganseagrant.org/about/who-we-are/michigan-sea-grant-staff/chiara-zuccarino-crowe/>

## Office of Protected Resources Endangered Species Act (ESA) Programs

<b>Agency or Organization</b>	National Oceanic and Atmospheric Administration (NOAA)
<b>Resource Type</b>	Technical
<b>Hazard(s) Addressed</b>	Flood; Soil/Geologic Hazards; Severe Weather
<b>Eligible Applicants</b>	Eligible applicants vary by funding opportunity.
<b>Type of Assistance Provided</b>	Financial Assistance, Technical Assistance
<b>Restrictions</b>	Restrictions vary by funding opportunity.
<b>Funding Available</b>	Amount available varies by funding opportunity.
<b>Cost Sharing</b>	Cost sharing varies by funding opportunity.
<b>Website</b>	<a href="https://www.fisheries.noaa.gov/about/office-protected-resources">https://www.fisheries.noaa.gov/about/office-protected-resources</a>
<b>Contact Name</b>	Catherine Marzin, Deputy Director
<b>Contact Address</b>	1315 East-West Highway 12th Floor Silver Spring, MD 20910
<b>Contact Phone</b>	301-427-8400
<b>Contact Email</b>	<a href="mailto:catherine.marzin@noaa.gov">catherine.marzin@noaa.gov</a>
<b>Equity-focused Resource?</b>	No
<b>Equity Theme</b>	N/A

### About the Resource

ESA programs conserve, protect and recover marine species and their habitats.

### Case Study or Best Practice

A successful ESA consultation letter details the project and its area. It should point out the critical habitats and species impacted. You can find the ESA consultation letter at:

[https://www.greateratlantic.fisheries.noaa.gov/protected/section7/guidance/consultation/nae-2012-558\\_manchester\\_harbor\\_dredging.pdf](https://www.greateratlantic.fisheries.noaa.gov/protected/section7/guidance/consultation/nae-2012-558_manchester_harbor_dredging.pdf)

You can learn more about technical assistance and the application at:

<https://www.greateratlantic.fisheries.noaa.gov/protected/section7/guidance/consultation/index.html#writing>

## Coastal Resilience Grants Program

<b>Agency or Organization</b>	National Oceanic and Atmospheric Administration (NOAA)
<b>Resource Type</b>	Grant
<b>Hazard(s) Addressed</b>	Coastal Hazards
<b>Eligible Applicants</b>	Eligible applicants are institutions of higher education; nonprofit and for-profit organizations; U.S. territories and states; Native American tribes; and local governments including counties, municipalities, and cities.
<b>Type of Assistance Provided</b>	Financial Assistance
<b>Restrictions</b>	Consult the restrictions in the federal funding opportunity.
<b>Funding Available</b>	In FY20, NOAA awarded \$37 million to 46 projects under the Coastal Resilience Fund.
<b>Cost Sharing</b>	Federal funds awarded under this program must be matched with non-federal funds at a 2:1 ratio.
<b>Website</b>	<a href="https://coast.noaa.gov/resilience-grant/">https://coast.noaa.gov/resilience-grant/</a>
<b>Contact Name</b>	Melanie Gange
<b>Contact Address</b>	1315 East-West Highway 14th Floor Silver Spring, MD 20910
<b>Contact Phone</b>	301-427-8664
<b>Contact Email</b>	<a href="mailto:melanie.gange@noaa.gov">melanie.gange@noaa.gov</a>
<b>Equity-focused Resource?</b>	No
<b>Equity Theme</b>	N/A

## About the Resource

This grant funds projects that help prepare coastal communities and ecosystems for extreme weather events, climate hazards and changing ocean conditions. It also helps communities recover from those events. A panel of experts from across the United States reviews and selects all proposals. That panel includes representatives of government, academia and private industry.

The NOAA Coastal Resilience Grants Program partially funds the National Coastal Resilience Fund.

## Case Study or Best Practice

Improving Economic Security in Coastal Wisconsin

Applicant: Wisconsin Department of Administration

Recommended federal Funding: \$840,000 (FY 2017)

Match: \$420,518

Southeastern Wisconsin wants to reduce damage caused by coastal hazards. Such hazards include erosion, coastal storms, and changing water levels. For this project, guidance will look at options to protect bluff, beach, and harbor ecosystems and the coastal economy. The effort explores future options through scenarios. It also works to improve risk communication. The Wisconsin Department of Administration's Wisconsin Coastal Management Program leads the project. Participation involves four coastal counties, 22 coastal municipalities, and many state and local groups.

Project Partners: University of Wisconsin Sea Grant Institute, University of Wisconsin-Madison Department of Civil and Environmental Engineering, Southeastern Wisconsin Regional Planning Commission

The Coastal Resilience Program is currently on hold.

You can learn more about the 2017 recipients at: <https://www.noaa.gov/media-release/noaa-announces-138-million-in-coastal-resilience-grants>

## Rivers, Trails, and Conservation Assistance Program

<b>Agency or Organization</b>	National Park Service (NPS)
<b>Resource Type</b>	Variety
<b>Hazard(s) Addressed</b>	Coastal Hazards; Dam Failure; Drought; Flood; Soil/Geologic Hazards; Severe Weather; Severe Winter Storms
<b>Eligible Applicants</b>	Project applicants may be state and local agencies, tribes, nonprofit organizations, or citizen groups. National parks and other federal agencies may apply in partnership with other local organizations.
<b>Type of Assistance Provided</b>	Technical Assistance, Financial Assistance
<b>Restrictions</b>	Learn more about the application here: <a href="https://www.nps.gov/orgs/rtca/apply.htm">https://www.nps.gov/orgs/rtca/apply.htm</a>
<b>Funding Available</b>	N/A
<b>Cost Sharing</b>	N/A
<b>Website</b>	<a href="https://www.nps.gov/orgs/rtca/index.htm">https://www.nps.gov/orgs/rtca/index.htm</a>
<b>Contact Name</b>	David Thomson, Program Manager
<b>Contact Address</b>	Midwest Regional Office, 601 Riverfront Drive Omaha, NE 68102
<b>Contact Phone</b>	402-661-1601
<b>Contact Email</b>	<a href="mailto:mwr_rtca@nps.gov">mwr_rtca@nps.gov</a>
<b>Equity-focused Resource?</b>	No
<b>Equity Theme</b>	N/A

## About the Resource

The NPS Rivers, Trails, and Conservation Assistance program helps natural resource conservation and outdoor recreation projects. NPS works with community groups, nonprofits, tribes, and state and local governments. It designs trails and parks; conserves and improves access to rivers; protects special places; and creates recreation opportunities.

## Case Study or Best Practice

Lyons, Illinois

The project goal is to accomplish short-term and medium-term objectives identified in the Chicago portage National Historic Site Master Plan and facilitate a process for continuing implementation.

You can learn more about this case study at:

<https://nps.maps.arcgis.com/apps/MapTour/index.html?appid=5a02d6a2d77d412f8790583f553154b8>

## Human, Disasters, and the Built Environment (HDBE)

<b>Agency or Organization</b>	National Science Foundation
<b>Resource Type</b>	Private - Other
<b>Hazard(s) Addressed</b>	Coastal Hazards; Dam Failure; Drought; Earthquake; Flood; Extreme Heat; Landslide; Soil/Geologic Hazards; Wildfire; Tornado; Severe Weather; Severe Winter Storms
<b>Eligible Applicants</b>	Unrestricted.
<b>Type of Assistance Provided</b>	Technical Assistance
<b>Restrictions</b>	None specified.
<b>Funding Available</b>	N/A
<b>Cost Sharing</b>	N/A
<b>Website</b>	<a href="https://beta.nsf.gov/funding/opportunities/humans-disasters-and-built-environment-hdbe">https://beta.nsf.gov/funding/opportunities/humans-disasters-and-built-environment-hdbe</a>
<b>Contact Name</b>	Daan Liang
<b>Contact Address</b>	2415 Eisenhower Avenue Room E 14416 Alexandria, VA 22314
<b>Contact Phone</b>	703-292-8360
<b>Contact Email</b>	dliang@nsf.gov
<b>Equity-focused Resource?</b>	No
<b>Equity Theme</b>	N/A

## About the Resource

The HDBE program aids research on the relationship between humans and built environments. It helps communities with natural, technological and other types of hazards and disasters.

## Case Study or Best Practice

You can find many HDBE projects and awards at: <https://hazards.colorado.edu/resources/recent-awards/nsf-awards>



## Flood Plain Management Services (FPMS) Program

<b>Agency or Organization</b>	U.S. Army Corps of Engineers (USACE)
<b>Resource Type</b>	Technical
<b>Hazard(s) Addressed</b>	Flood
<b>Eligible Applicants</b>	State, regional, and local governments, tribes, and other non-federal public agencies.
<b>Type of Assistance Provided</b>	Technical Assistance, Financial Assistance
<b>Restrictions</b>	None identified.
<b>Funding Available</b>	Changes each fiscal year; depends on the services requested.
<b>Cost Sharing</b>	None. State and local governments can receive technical assistance free of charge. Program services are also offered to non-water resource federal agencies and to the private sector on a 100% cost recovery basis. Most of these requests require payment before services are provided.
<b>Website</b>	<a href="https://www.mvp.usace.army.mil/Missions/Civil-Works/Flood-Risk-Management/">https://www.mvp.usace.army.mil/Missions/Civil-Works/Flood-Risk-Management/</a>
<b>Contact Name</b>	Mary Weidel
<b>Contact Address</b>	477 Michigan Avenue Detroit, MI 48226
<b>Contact Phone</b>	313-226-3393
<b>Contact Email</b>	Mary.T.Weidel@usace.army.mil
<b>Equity-focused Resource?</b>	No
<b>Equity Theme</b>	N/A

## About the Resource

Under Section 206 of the 1960 Flood Control Act (PL 86-645), the USACE can give the full range of technical services and planning guidance. It does so to aid floodplain management. The program's work includes determining site-specific data on obstructions to flood flows, flood formation, and timing; flood depths, stages, or floodwater velocities; the extent, duration, and frequency of flooding; information on natural and cultural floodplain resources; and flood loss risks before and after using floodplain management measures. Studies done under the FPMS program include floodplain delineation/hazard, dam failure analyses, hurricane evacuation, flood warnings, floodways, flood damage reduction, stormwater management, flood proofing, and inventories of flood-prone structures.

## Case Study or Best Practice

In 2008, the Huntington District Floodplain Management Services Team made an FPMS Call Log Database. It processes calls to district's tollfree number. The database has logged 324 calls to date. Two came from Virginia, 27 from Kentucky, 80 from Ohio, and 215 from West Virginia. Calls cover many topics. The district gets questions about floodplain impacts on large development projects, federal property rentals, and FEMA

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State of Michigan

Digital Flood Insurance Rate Map determinations. It also gets calls about Base Flood Elevation requests, other map requests, the USACE, and the NFIP.

Learn more about best practices at: <https://www.hsdl.org/?view&did=773470>

## Inspection of Completed Works (ICW) Program

<b>Agency or Organization</b>	U.S. Army Corps of Engineers (USACE)
<b>Resource Type</b>	Technical
<b>Hazard(s) Addressed</b>	Coastal Hazards; Drought; Earthquake; Flood; Extreme Heat; Landslide; Soil/Geologic Hazards; Wildfire; Tornado; Severe Weather; Severe Winter Storms
<b>Eligible Applicants</b>	Non-federal owners of federally built critical infrastructure.
<b>Type of Assistance Provided</b>	Technical Assistance
<b>Restrictions</b>	None identified.
<b>Funding Available</b>	Not identified.
<b>Cost Sharing</b>	Not identified.
<b>Website</b>	<a href="https://www.mvp.usace.army.mil/Missions/Civil-Works/Programs-Project-Management/District-Programs/Inspection-of-Completed-Works/#:~:text=The%20purpose%20of%20the%20Inspection,project%20operation%20and%20maintenance%20manuals.">https://www.mvp.usace.army.mil/Missions/Civil-Works/Programs-Project-Management/District-Programs/Inspection-of-Completed-Works/#:~:text=The%20purpose%20of%20the%20Inspection,project%20operation%20and%20maintenance%20manuals.</a>
<b>Contact Name</b>	U.S. Army Corps of Engineers St. Paul District Programs and Project Management Division
<b>Contact Address</b>	180 5th Street East Suite 700 St. Paul, MN 55101
<b>Contact Phone</b>	651-290-5755
<b>Contact Email</b>	N/A
<b>Equity-focused Resource?</b>	No
<b>Equity Theme</b>	N/A

## About the Resource

The ICW program makes sure that non-federal owners of federally-built infrastructure do essential maintenance per the project operation and maintenance manuals. That infrastructure includes flood damage reduction projects. Yearly inspections find problems and discuss fixes. The USACE can give technical help before, during and after each flood emergency. The USACE inspections make sure the project will work as it should.

## Case Study or Best Practice

After the 1997 Red River flood, the ICW program helped a flood damage reduction project in Oslo, Minnesota that improved the town's flood protection mechanisms that were already in place. The town invested \$2 million to mitigation flooding, according to the Minnesota Department of Natural Resources, which has saved them an estimated \$31 million in potential damages between 1984 and 2001. Having these flood mitigation efforts in place helped prevent further damage during the 1997 Red River flood that damaged many other nearby towns.

## Section 206 - Aquatic Ecosystem Restoration

<b>Agency or Organization</b>	U.S. Army Corps of Engineers (USACE)
<b>Resource Type</b>	Technical
<b>Hazard(s) Addressed</b>	Flood; Soil/Geologic Hazards
<b>Eligible Applicants</b>	Non-federal sponsor.
<b>Type of Assistance Provided</b>	Financial Assistance
<b>Restrictions</b>	The USACE evaluates projects that benefit the environment through restoring, improving, or protecting aquatic habitat for plants, fish, and wildlife. A project is accepted for construction after a detailed investigation shows it is technically feasible and environmentally acceptable. These projects also must provide cost-effective environmental benefits.
<b>Funding Available</b>	The maximum federal expenditure per project is \$10 million. This includes both planning and construction costs.
<b>Cost Sharing</b>	Studies are accomplished at full federal expense up to \$100,000. Remaining study costs are cost-shared 50/50. Design and implementation costs are cost-shared 65% federal, 35% local sponsor.
<b>Website</b>	<a href="https://www.lrl.usace.army.mil/Portals/64/docs/Outreach/Information/206.pdf">https://www.lrl.usace.army.mil/Portals/64/docs/Outreach/Information/206.pdf</a>
<b>Contact Name</b>	Brandon Brummett
<b>Contact Address</b>	180 5th Street East Suite 700 St. Paul, MN 55101
<b>Contact Phone</b>	502-315-6833
<b>Contact Email</b>	brandon.r.brummett@usace.army.mil
<b>Equity-focused Resource?</b>	No
<b>Equity Theme</b>	N/A

### About the Resource

The USACE is made up of about 30,000 civilian and military members. It is the world's largest public engineering, design and construction management agency. It often works with flood risk management. However, the USACE mainly works on its environmental mission.

Ecosystem restoration is the recovery of ecosystems that have been degraded, damaged, or destroyed. It focuses on setting the steps needed to improve land and water ecosystems. It makes them sustainable, resilient, and healthy now and in the future. The USACE ecosystem restoration program focuses on water-related ecosystem projects. Those projects restore wetland, riparian, and aquatic systems. The USACE sometimes does become involved in broader restoration projects. However, USACE policy says there must be a water nexus. Other federal agencies have missions and funding to restore upland habitats. One example is the U.S. Forest Service. The USACE focuses on wetlands, submerged aquatic vegetation, oyster reefs, riparian forests, and wet prairies.

The USACE uses large-scale ecosystem restoration projects. Such projects include the Comprehensive Everglades Restoration; Louisiana Coastal Area Ecosystem Restoration; Chesapeake Bay Oyster Recovery; Aransas National Wildlife Refuge Beneficial Use of Dredged Material; and Houston Ship Channel Beneficial Use of Dredged Material. The USACE also uses system-wide watershed plans to manage and solve problems for smaller ecosystem restoration projects.

## Case Study or Best Practice

### Galveston, Texas

The USACE Galveston District has many projects along the Texas coast. Its dredging program uses dredged material to create marsh, restore seagrass, and provide bird rookeries. Projects include work in Galveston Bay, Matagorda Bay, Corpus Christi Bay, the Aransas National Wildlife Refuge and the Laguna Madre. The USACE will cost-share an oyster reef restoration in Matagorda Bay with the Nature Conservancy soon. The USACE started a study of the upper Texas coast, from Sabine to Galveston. It is working with the Texas General Land Office. They will look for chances for large-scale ecosystem restoration projects. Those projects will protect habitats and the Texas coast from storm surges and erosion.

You can learn more about Aquatic Ecosystem Restoration at: <https://www.usace.army.mil/Media/News-Archive/Story-Article-View/Article/477888/what-is-ecosystem-restoration/>

## Small Flood Control

<b>Agency or Organization</b>	U.S. Army Corps of Engineers (USACE)
<b>Resource Type</b>	Technical
<b>Hazard(s) Addressed</b>	Flood
<b>Eligible Applicants</b>	Non-federal sponsor.
<b>Type of Assistance Provided</b>	Financial Assistance
<b>Restrictions</b>	Each project selected must be economically justified. That means the benefits from constructing a project must exceed the its cost. It also must be environmentally acceptable and complete.
<b>Funding Available</b>	Each project is limited to a total federal cost of not more than \$10 million. This includes studies, design, and action.
<b>Cost Sharing</b>	The initial federally funded portion can cover up to \$100,000. Study costs in excess of \$100,000 will be shared 50/50 with the non-federal sponsor. Once a project is approved, the non-federal sponsor must provide at least 35% of costs for design and action. This may not exceed 50% of total project costs. At least 5% of the total cost must be contributed in cash.
<b>Website</b>	<a href="https://www.lrl.usace.army.mil/Portals/64/docs/Outreach/Information/205.pdf">https://www.lrl.usace.army.mil/Portals/64/docs/Outreach/Information/205.pdf</a>
<b>Contact Name</b>	Brandon Brummett
<b>Contact Address</b>	180 5th Street East Suite 700 St. Paul, MN 55101
<b>Contact Phone</b>	502-315-6834
<b>Contact Email</b>	brandon.r.brummett@usace.army.mil
<b>Equity-focused Resource?</b>	No
<b>Equity Theme</b>	N/A

## About the Resource

Under Section 205 of the 1948 Flood Control Act, the USACE can plan, design and build small flood control projects. Congress must not have already approved those projects. Structural (e.g., levees, channels or dams) and nonstructural (e.g., flood proofing or evacuation) solutions are looked at. Studies must assess potential projects. Each project must be economically justified. This means the benefits must be greater than the cost. They also must be environmentally acceptable and complete. No project may cost more than \$10 million. This cost includes studies, design and action.

## Case Study or Best Practice

A hydrologic-economic simulation model looks at different protective plans for an authorized federal flood control project. The project will cover 125 miles of the Tibbee River floodplain in Mississippi. The model needs input about unit hydrographs; streamflow; routing coefficients and storage functions; a pattern storm; rainfall

loss rate functions; and flow-damage frequency. A synthetic pattern storm was used with flow-frequency curves at index locations. This made a series of floods to compare plans to current conditions. Storage routing functions measured the effects of channel improvement on flood runoff characteristics. The functions account for changes in storage-discharge relations. Based on the model's results, a channel improvement plan was chosen for the Tibbee River basin.

Learn more about this case study at: <https://www.hec.usace.army.mil/publications/TechnicalPapers/TP-51.pdf>

## Emergency Community Water Assistance Grant

<b>Agency or Organization</b>	U.S. Department of Agriculture (USDA)
<b>Resource Type</b>	Grant
<b>Hazard(s) Addressed</b>	Coastal Hazards; Drought; Flood; Soil/Geologic Hazards; Severe Weather
<b>Eligible Applicants</b>	Most state and local government entities, private nonprofits, and federally recognized tribes.
<b>Type of Assistance Provided</b>	Financial Assistance
<b>Restrictions</b>	Eligible applicants include: Rural areas and towns with populations of 10,000 or less, Tribal lands in rural areas, Colonias, Check eligible addresses here: <a href="http://eligibility.sc.egov.usda.gov/">http://eligibility.sc.egov.usda.gov/</a>
<b>Funding Available</b>	Water transmission line grants - \$150,000. Water source grants - \$1,000,000.
<b>Cost Sharing</b>	Not specified.
<b>Website</b>	<a href="https://www.rd.usda.gov/programs-services/water-environmental-programs/emergency-community-water-assistance-grants/il">https://www.rd.usda.gov/programs-services/water-environmental-programs/emergency-community-water-assistance-grants/il</a>
<b>Contact Name</b>	Brandon Fewins
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<b>Contact Phone</b>	517-324-5190
<b>Contact Email</b>	brandon.fewins@usda.gov
<b>Equity-focused Resource?</b>	No
<b>Equity Theme</b>	N/A

## About the Resource

This program helps communities prepare for or recover from emergencies that threaten safe, reliable drinking water.

This program helps to prevent damage. It also restores access to safe, reliable drinking water. It works in rural areas and towns after natural disasters. Funding can help the environment and encourage businesses to expand operations.

## Case Study or Best Practice

Hamilton County, IL



The village of Dahlgren received \$117,885 in funding from the Emergency Community Water Assistance Grants program. The program helps with emergency water line repairs. Such help makes sure the village has safe water for residents.

Source: <https://www.duckworth.senate.gov/news/press-releases/duckworth-durbin-announce-over-140000-for-rural-development-in-illinois>

## Water & Waste Disposal Loan & Grant Program

<b>Agency or Organization</b>	U.S. Department of Agriculture (USDA)
<b>Resource Type</b>	Loan, Grant
<b>Hazard(s) Addressed</b>	Coastal Hazards; Flood; Soil/Geologic Hazards; Severe Weather; Severe Winter Storms
<b>Eligible Applicants</b>	Most state and local government entities, private nonprofits, and federally recognized tribes.
<b>Type of Assistance Provided</b>	Financial Assistance
<b>Restrictions</b>	Review the "Other Requirements" section to address specific restrictions.
<b>Funding Available</b>	Not specified.
<b>Cost Sharing</b>	Not specified.
<b>Website</b>	<a href="https://www.rd.usda.gov/programs-services/water-environmental-programs/water-waste-disposal-loan-grant-program/">https://www.rd.usda.gov/programs-services/water-environmental-programs/water-waste-disposal-loan-grant-program/</a>
<b>Contact Name</b>	Brandon Fewins
<b>Contact Address</b>	3001 Coolidge Road Suite 200 East Lansing, MI 48823
<b>Contact Phone</b>	517-324-5190
<b>Contact Email</b>	brandon.fewins@usda.gov
<b>Equity-focused Resource?</b>	No
<b>Equity Theme</b>	N/A

## About the Resource

This program funds clean and reliable drinking water systems, sanitary sewage disposal, sanitary solid waste disposal and storm water drainage. It helps rural households and businesses.

This program helps small, distressed rural communities improve water and waste treatment facilities. The work can save tax dollars, improve the environment and help businesses expand operations.

## Case Study or Best Practice

Seal Rock Water District, Oregon

With a \$1.5 million Water and Waste Disposal Grant, SRWD was able to build a new treatment plant and 500,000-gallon reservoir above the coastal tsunami impact zone, as well as install emergency backup generators. The new system was not only more resilient but also capable of monitoring for leaks or unintentional overuse, saving residents' money while significantly conserving water.

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State of Michigan

Source: <https://www.rd.usda.gov/newsroom/success-stories/collaboration-and-climate-resilience-seal-rock-water-district-finds-new-source>

## Rural Innovation Stronger Economy (RISE) Grants

<b>Agency or Organization</b>	U.S. Department of Agriculture (USDA)
<b>Resource Type</b>	Grant
<b>Hazard(s) Addressed</b>	Coastal Hazards; Flood; Soil/Geologic Hazards; Severe Weather; Severe Winter Storms
<b>Eligible Applicants</b>	<p>Eligible applicants are rural jobs accelerator partnerships. They must have expertise in delivering economic and job training programs, consisting of the following: non-profit entities, state entities, tribal entities, institutions of higher education, and public bodies. The RISE project must serve a rural region small enough to allow close collaboration among partners. It also must include important elements of the region's prioritized industry cluster (concentrations of related industries).</p> <p>The Rural Business-Cooperative Service (RBCS) administrator may award points to projects that will advance the key priorities. Learn more at Rural Developments Key Priorities.</p>
<b>Type of Assistance Provided</b>	Financial Assistance
<b>Restrictions</b>	<p>Review the program's page to learn about other restrictions:  <a href="https://www.rd.usda.gov/programs-services/business-programs/rural-innovation-stronger-economy-rise-grants">https://www.rd.usda.gov/programs-services/business-programs/rural-innovation-stronger-economy-rise-grants</a></p>
<b>Funding Available</b>	Grant amounts are awarded competitively. They range from \$500,000 to \$2,000,000. The grant term is four years.
<b>Cost Sharing</b>	Not specified.
<b>Website</b>	<a href="https://www.rd.usda.gov/programs-services/business-programs/rural-innovation-stronger-economy-rise-grants">https://www.rd.usda.gov/programs-services/business-programs/rural-innovation-stronger-economy-rise-grants</a>
<b>Contact Name</b>	
<b>Contact Address</b>	
<b>Contact Phone</b>	800-670-6553
<b>Contact Email</b>	SM.USDA-RD.RISE@usda.gov
<b>Equity-focused Resource?</b>	No
<b>Equity Theme</b>	N/A

## About the Resource

The RISE grant program helps to create and change high-wage jobs, speed up new businesses, support industry clusters and use local assets. It works in low-income rural areas.

## Case Study or Best Practice

Itasca County, MI, got more than \$1 million in RISE grant funding. The money will help to renovate a facility to support entrepreneurs, students, educators and anyone who wants to learn industrial career skills. Read more about the project at: [http://www.businessnorth.com/daily\\_briefing/iedc-secures-1m-to-advance-entrepreneurship-innovation-education-and-workforce-development-in-itasca-county/article\\_2ae26ec0-2c4f-11ec-af5a-2377a6445e87.html](http://www.businessnorth.com/daily_briefing/iedc-secures-1m-to-advance-entrepreneurship-innovation-education-and-workforce-development-in-itasca-county/article_2ae26ec0-2c4f-11ec-af5a-2377a6445e87.html)

## Emergency Conservation Program (ECP)

<b>Agency or Organization</b>	U.S. Department of Agriculture (USDA) Farm Service Agency (FSA)
<b>Resource Type</b>	Grant
<b>Hazard(s) Addressed</b>	Drought; Flood; Extreme Heat; Soil/Geologic Hazards; Wildfire; Tornado; Severe Weather; Severe Winter Storms
<b>Eligible Applicants</b>	Farms and ranches damaged by federally declared disasters.
<b>Type of Assistance Provided</b>	Technical Assistance, Financial Assistance
<b>Restrictions</b>	FSA county committees determine land eligibility based on on-site inspections of damaged land and the type and extent of the damage.
<b>Funding Available</b>	The FSA County Committee is able to approve applications up to \$125,000 while \$125,001 to \$250,000 requires state committee approval. Amounts over \$250,000 require the approval of the national FSA office.
<b>Cost Sharing</b>	Up to 75% of the cost to implement emergency conservation practices can be provided; however, the final amount is determined by the committee reviewing the application. Qualified limited resource producers may earn up to 90% cost-share.
<b>Website</b>	<a href="https://www.fsa.usda.gov/programs-and-services/conservation-programs/emergency-conservation/index">https://www.fsa.usda.gov/programs-and-services/conservation-programs/emergency-conservation/index</a>
<b>Contact Name</b>	Sandy Chalmers, Executive Director
<b>Contact Address</b>	8030 Excelsior Drive Suite 100 Madison, WI 53717
<b>Contact Phone</b>	608-662-4422
<b>Contact Email</b>	WI-fsa-webmaster@one.usda.gov
<b>Equity-focused Resource?</b>	No
<b>Equity Theme</b>	N/A

## About the Resource

The ECP gives funding and technical assistance to farmers and ranchers. It helps them rehabilitate disaster-damaged farmland and carry out emergency water conservation measures during droughts. Congress sets the ECP funding. Farm Service Agency (FSA) committees use the ECP. Locally-elected county committees can use ECP for all disasters except droughts. Droughts are authorized at the national FSA office. The FSA County Committee inspects the damage to see if land is eligible for ECP. For land to qualify for ECP funds, the damage from a disaster or drought must create new conservation problems that could:

- Damage the land.
- Seriously reduce the land's productive capacity.
- Represent damage from a natural disaster unusual for the area (wind erosion damage is an exception).

- Be too costly to fix without federal assistance.

## Case Study or Best Practice

There is no available best practice for the Emergency Conservation Program. However, more information on funding appropriation can be found at: <https://fas.org/sgp/crs/misc/R42854.pdf>

Funds were given for the Harvey, Irma, and Maria hurricanes and wildfire victims. More information on this funding can be found at: <https://www.usda.gov/media/press-releases/2017/09/13/farmers-and-ranchers-affected-hurricanes-harvey-irma-granted-extra>

## Conservation Reserve Program (CRP)

<b>Agency or Organization</b>	U.S. Department of Agriculture (USDA) Farm Service Agency (FSA)
<b>Resource Type</b>	Other
<b>Hazard(s) Addressed</b>	Coastal Hazards; Drought; Earthquake; Flood; Extreme Heat; Soil/Geologic Hazards; Wildfire; Tornado; Severe Weather; Severe Winter Storms
<b>Eligible Applicants</b>	To be eligible for CRP enrollment, a farmer must have owned or operated the land for at least 12 months prior to the last CRP sign-up period. Exceptions to this rule include: <ul style="list-style-type: none"> <li>- Land acquired by the new owner due to the former owner's death.</li> <li>- Change in ownership due to foreclosure.</li> <li>- Land that was purchased by the new owner without the sole intention of placing it in CRP.</li> <li>- Cropland (including field margins) is eligible for CRP if it is planted to an agricultural commodity four of the last six crop years from 2008 to 2013. This land must be physically and legally capable of being planted in a normal manner to an agricultural commodity. Some marginal pastureland is also eligible if it is suitable for use as a riparian buffer or for similar water quality purposes.</li> </ul>
<b>Type of Assistance Provided</b>	Technical Assistance, Financial Assistance
<b>Restrictions</b>	Not identified.
<b>Funding Available</b>	Varies by initiative.
<b>Cost Sharing</b>	Varies by initiative.
<b>Website</b>	<a href="https://www.fsa.usda.gov/programs-and-services/conservation-programs/conservation-reserve-program/index">https://www.fsa.usda.gov/programs-and-services/conservation-programs/conservation-reserve-program/index</a>
<b>Contact Name</b>	Contacts available by State; <a href="https://offices.sc.egov.usda.gov/locator/app">https://offices.sc.egov.usda.gov/locator/app</a>
<b>Contact Address</b>	
<b>Contact Phone</b>	
<b>Contact Email</b>	
<b>Equity-focused Resource?</b>	No
<b>Equity Theme</b>	N/A

## About the Resource

The CRP is voluntary for agricultural landowners. CRP lets landowners get yearly rental payments and cost-share assistance. This help sets up long-term, resource-conserving covers on farmland. The Commodity Credit Corporation makes rental payments each year based on the land's agriculture rental value. It gives cost-share assistance for up to 50% of the costs of starting approved conservation practices. CRP contracts last from 10 to 15 years. CRP keeps millions of acres of American topsoil from eroding. This work protects natural resources. CRP protects groundwater by reducing water runoff and sedimentation. It improves lakes, rivers, ponds and streams. Resource-conserving vegetative covers are planted in CRP-enrolled land. These covers help the program support larger wildlife populations in much of the country.

The Floodplain Wetlands Initiative is part of the CRP. It restores wetland ecosystems that are used for agriculture. Wetland restoration reverses degradation, often on marginal soil. Restoring wetlands to receive floodwaters can increase flood storage capacity. It also majorly reduces farm flooding risks.

## Case Study or Best Practice

USDA Issues Conservation Payments to Wisconsin Farmers

(MADISON, Wis.) – Oct. 28, 2019

The U.S. Department of Agriculture’s Farm Service Agency (FSA) in Wisconsin is giving out \$28,637,057 in Conservation Reserve Program (CRP) rental payments. It will give that money to landowners. The goal is to support voluntary conservation efforts on private lands.

“Annual rental payments through the Conservation Reserve Program help farmers and landowners who want to take sensitive land out of production in order to improve water quality, prevent soil erosion or create wildlife habitat,” said Sandy Chalmers, the Wisconsin FSA State Executive Director.

USDA began giving 2019 CRP payments last week. It is doing so to support voluntary conservation efforts on private lands. In Wisconsin, 14,657 landowners will receive money for their efforts to improve water quality, reduce soil erosion and improve wildlife habitat. These efforts happened on 195,482 acres enrolled in CRP.



## Tree Assistance Program (TAP)

<b>Agency or Organization</b>	U.S. Department of Agriculture (USDA) Farm Service Agency (FSA)
<b>Resource Type</b>	Grant
<b>Hazard(s) Addressed</b>	Soil/Geologic Hazards
<b>Eligible Applicants</b>	<p>Orchardists and nursery tree growers who have:</p> <ul style="list-style-type: none"> <li>• Suffered qualifying tree, bush, or vine losses in excess of 15% mortality for the stand (adjusted for normal mortality) from an eligible natural disaster.</li> <li>• Owned the eligible trees, bushes, and vines when the natural disaster occurred. Growers do not have to own the land on which eligible trees, bushes and vines are planted.</li> <li>• Replace eligible trees, bushes, and vines within 12 months from the date the TAP application is approved.</li> </ul>
<b>Type of Assistance Provided</b>	Technical Assistance, Financial Assistance
<b>Restrictions</b>	<p>There are restrictions for what is considered an Eligible Tree Type, an Eligible Loss, and an Eligible Producer. Learn more about them here:  <a href="https://www.fsa.usda.gov/Assets/USDA-FSA-Public/usdfiles/FactSheets/tree_assistance_program-tap-fact_sheet.pdf">https://www.fsa.usda.gov/Assets/USDA-FSA-Public/usdfiles/FactSheets/tree_assistance_program-tap-fact_sheet.pdf</a></p>
<b>Funding Available</b>	For losses that occurred on or after January 1, 2017, there is no payment limitation for TAP.
<b>Cost Sharing</b>	None identified.
<b>Website</b>	<a href="https://www.fsa.usda.gov/programs-and-services/disaster-assistance-program/tree-assistance-program/index">https://www.fsa.usda.gov/programs-and-services/disaster-assistance-program/tree-assistance-program/index</a>
<b>Contact Name</b>	Shayla Watson-Porter
<b>Contact Address</b>	8030 Excelsior Drive Suite 100 Madison, WI 53717
<b>Contact Phone</b>	202-690-2350
<b>Contact Email</b>	Contacts available by state and county <a href="https://offices.sc.egov.usda.gov/locator/app">https://offices.sc.egov.usda.gov/locator/app</a>
<b>Equity-focused Resource?</b>	No
<b>Equity Theme</b>	N/A

## About the Resource

TAP helps orchardists and nursery tree growers replant or rehabilitate trees, bushes, and vines damaged by natural disasters. Those disasters must have occurred between Jan. 1, 2008, and Oct. 1, 2011. The 2008 Farm Bill authorized TAP. The Agriculture Disaster Relief Trust Fund funds the program. TAP funds orchardists and nursery tree growers who have suffered qualifying damage of greater than 15% from an eligible natural disaster. These growers must have owned their plants at the time of the disaster. They also must replace said plants within 12 months of approval.

## Case Study or Best Practice

Florida (2018)

Citrus growers in Florida with mortality losses due to citrus greening must meet the loss criteria. Since citrus greening is a disease, mortality related to citrus greening may be looked at over six years. The loss period due to citrus greening starts when the grower first sees the disease in the stand. It ends when an infected tree either dies or is no longer commercially viable. Under the Florida request, citrus growers may choose one of the following for TAP participation:

**Option 1:** Apply for TAP during any year the stand sustained a mortality loss of more than 15% after adjusting for normal mortality. If the grower chooses this option, they should contact their FSA administrative county. They should report the percentage of trees they wish to replace before tree removal. An FSA representative will visit to verify the loss.

**Option 2:** If tree mortality of 15% (after adjustment for normal mortality) has not been met, the grower may apply for TAP and count mortality over up to six years. Growers should contact their FSA county office to report greening. Growers must document the total number of trees lost each year (for up to six years).

TAP lets producers ask for help when multiple losses from back-to-back disaster events occur. However, growers who get a TAP payment due to citrus greening will not be eligible for more TAP payments on the resets (newly planted trees) until they have reached six years of age.

You can learn more about this case study at: <https://www.fsa.usda.gov/Assets/USDA-FSA-Public/usdafiles/FactSheets/tap-florida-citrus-greening-factsheet.pdf>

## Disaster Assistance Programs

<b>Agency or Organization</b>	U.S. Department of Agriculture (USDA) National Resources Conservation Service (NRCS)
<b>Resource Type</b>	Grant, Technical
<b>Hazard(s) Addressed</b>	Drought, Flood, Other Hazards
<b>Eligible Applicants</b>	Eligibility depends on the program.
<b>Type of Assistance Provided</b>	Technical Assistance, Financial Assistance
<b>Restrictions</b>	Restrictions depend on the program.
<b>Funding Available</b>	Amount available depends on the program.
<b>Cost Sharing</b>	None identified.
<b>Website</b>	<a href="https://www.fsa.usda.gov/programs-and-services/disaster-assistance-program/index">https://www.fsa.usda.gov/programs-and-services/disaster-assistance-program/index</a>
<b>Contact Name</b>	Contacts available by county: <a href="https://offices.sc.egov.usda.gov/locator/app?state=mi&amp;agency=fsa">https://offices.sc.egov.usda.gov/locator/app?state=mi&amp;agency=fsa</a>
<b>Contact Address</b>	
<b>Contact Phone</b>	
<b>Contact Email</b>	
<b>Equity-focused Resource?</b>	No
<b>Equity Theme</b>	N/A

## About the Resource

Some programs related to Disaster Assistance for farmers, ranchers, communities, and businesses that have been hard hit by natural disaster events.

## Case Study or Best Practice

In 2017, Montana farmers and ranchers worked to improve their conservation efforts with support from NRCS. More information on the experience can be found at:

<https://www.nrcs.usda.gov/sites/default/files/2022-09/Montana-Sage-Grouse-Report-2017.pdf>

## Emergency Watershed Protection (EWP) Program

<b>Agency or Organization</b>	U.S. Department of Agriculture (USDA) National Resources Conservation Service (NRCS)
<b>Resource Type</b>	Technical
<b>Hazard(s) Addressed</b>	Coastal Hazards; Flood; Soil/Geologic Hazards; Severe Weather; Severe Winter Storms
<b>Eligible Applicants</b>	Cities, counties, towns, conservation districts, or any federally recognized Native American tribe or tribal organization.
<b>Type of Assistance Provided</b>	Technical Assistance, Financial Assistance
<b>Restrictions</b>	<p>The EWP program cannot be used:</p> <ul style="list-style-type: none"> <li>- To address problems that existed before the disaster.</li> <li>- To improve the level of protection above the existing level at the time of the disaster.</li> <li>- To operate and maintain projects.</li> <li>- To repair private or public transportation facilities or utilities.</li> <li>- To install non-essential restoration work that will not reduce or eliminate adverse impacts from the natural disaster.</li> <li>-To restore projects installed by another federal agency.</li> </ul>
<b>Funding Available</b>	Not identified.
<b>Cost Sharing</b>	For the EWP Recovery Assistance, NRCS can pay up to 75% of the cost for eligible emergency projects. Local sponsors must acquire the remaining 25% in cash or in-kind services. For the EWP Floodplain Easement, no cost sharing was identified.
<b>Website</b>	<a href="https://www.nrcs.usda.gov/wps/portal/nrcs/main/national/programs/landscape/ewpp/">https://www.nrcs.usda.gov/wps/portal/nrcs/main/national/programs/landscape/ewpp/</a>
<b>Contact Name</b>	Shawn Anderson
<b>Contact Address</b>	1400 Independence Avenue Washington, DC 20250
<b>Contact Phone</b>	202-720-5795
<b>Contact Email</b>	shawn.anderson@wdc.usda.gov
<b>Equity-focused Resource?</b>	No
<b>Equity Theme</b>	N/A

## About the Resource

The EWP program helps communities address serious and long-lasting damages to infrastructure and land. The program lets NRCS quickly help local communities deal with the effects of natural disasters. EWP does not need a disaster declaration by federal or state officials to begin. However, the state must provide partial funding. If funds become available, all projects must show they reduce threats to life and property. They must also be economically, environmentally and socially sound. Finally, they must have acceptable engineering standards.

## Case Study or Best Practice

Indiana (\$1,200,000)

Spring flooding from years ago damaged roadways. This damage includes a part that gives the only access to 30 homes in Carroll County. Carroll County is economically depressed. The county needs the EWP program to help strengthen and stabilize the bank of the Tippecanoe River along the threatened part of roadway. This will stop the roadway from slipping into the river.

## Environmental Quality Incentives Program (EQIP)

<b>Agency or Organization</b>	U.S. Department of Agriculture (USDA) National Resources Conservation Service (NRCS)
<b>Resource Type</b>	Grant
<b>Hazard(s) Addressed</b>	Soil/Geologic Hazards
<b>Eligible Applicants</b>	<p>Applications will be accepted for all eligible lands and persons. Eligible land includes:</p> <ul style="list-style-type: none"> <li>- Cropland and hayland.</li> <li>- Rangeland.</li> <li>- Pastureland.</li> <li>- Non-industrial private forestland.</li> <li>- Other farm or ranch lands.</li> <li>- Environmentally sensitive areas.</li> </ul> <p>Eligible person(s) include:</p> <ul style="list-style-type: none"> <li>- Agricultural producers.</li> <li>- Owners of non-industrial private forestland.</li> <li>- Indian tribes.</li> <li>- Those with an interest in the agricultural or forestry operations.</li> </ul>
<b>Type of Assistance Provided</b>	Technical Assistance, Financial Assistance
<b>Restrictions</b>	<p>You can learn more here:</p> <p><a href="https://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/programs/financial/eqip/?cid=nrcseprd1342638">https://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/programs/financial/eqip/?cid=nrcseprd1342638</a></p>
<b>Funding Available</b>	Find EQIP obligations by state here: <a href="https://efotg.sc.egov.usda.gov/#/">https://efotg.sc.egov.usda.gov/#/</a>
<b>Cost Sharing</b>	Unknown.
<b>Website</b>	<a href="https://www.nrcs.usda.gov/wps/portal/nrcs/main/national/programs/financial/eqip/">https://www.nrcs.usda.gov/wps/portal/nrcs/main/national/programs/financial/eqip/</a>
<b>Contact Name</b>	Ivan Dozier, State Conservationist
<b>Contact Address</b>	2118 West Park Court Champaign, IL 61821
<b>Contact Phone</b>	217-353-6600
<b>Contact Email</b>	<a href="mailto:ivan.dozier@il.usda.gov">ivan.dozier@il.usda.gov</a>
<b>Equity-focused Resource?</b>	No
<b>Equity Theme</b>	N/A

## About the Resource

The EQIP gives financial and technical help to agricultural producers. This help lets them address natural resource concerns and deliver environmental benefits. The work improves water and air quality, soil health, and wildlife habitats. It also saves ground and surface water, reduces erosion and sedimentation, builds new habitats and protects against weather.

## Case Study or Best Practice

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State of Michigan

Success stories and press releases related to EQIP can be found at: <https://www.nrcs.usda.gov/programs-initiatives/eqip-environmental-quality-incentives#news-events>

## Wetland Mitigation Banking Program

<b>Agency or Organization</b>	U.S. Department of Agriculture (USDA) National Resources Conservation Service (NRCS)
<b>Resource Type</b>	Credit
<b>Hazard(s) Addressed</b>	Coastal Hazards; Flood; Soil/Geologic Hazards; Severe Weather; Severe Winter Storms
<b>Eligible Applicants</b>	Tribal nations, state, and local units of government, and nongovernmental organizations (NGOs), including for profit NGOs.
<b>Type of Assistance Provided</b>	Financial Assistance
<b>Restrictions</b>	None identified.
<b>Funding Available</b>	N/A
<b>Cost Sharing</b>	Banking programs that are strictly In Lieu Fee are not eligible for the NRCS Wetland Mitigation Banking Program.
<b>Website</b>	<a href="https://www.nrcs.usda.gov/wetland-mitigation-banking-program">https://www.nrcs.usda.gov/wetland-mitigation-banking-program</a>
<b>Contact Name</b>	Shaun Vickers, National Mitigation Banking Program Manager
<b>Contact Address</b>	8000 South 15th Street Lincoln, NE 68508
<b>Contact Phone</b>	402-560-1309
<b>Contact Email</b>	<a href="mailto:shaun.vickers@wdc.usda.gov">shaun.vickers@wdc.usda.gov</a>
<b>Equity-focused Resource?</b>	No
<b>Equity Theme</b>	N/A

## About the Resource

The Wetlands Mitigation Banking Program helps to create wetland mitigation banks. It does so to help producers meet their conservation compliance duties. Producers need to meet those goals to stay eligible for many USDA programs through the FSA and NRCS. The goals also keep them eligible for the federal crop insurance premium subsidy. The Risk Management Agency gives that subsidy.

## Case Study or Best Practice

You can find a detailed case study from the Stanford Environmental Law Journal (2001) at: [https://discoverarchive.vanderbilt.edu/bitstream/handle/1803/6494/Integrating\\_Ecosystem\\_Services.pdf?sequence=1](https://discoverarchive.vanderbilt.edu/bitstream/handle/1803/6494/Integrating_Ecosystem_Services.pdf?sequence=1)



## Housing Preservation Grants (HPG)

<b>Agency or Organization</b>	U.S. Department of Agriculture (USDA) Rural Housing Service (RHS)
<b>Resource Type</b>	Grant
<b>Hazard(s) Addressed</b>	Flood; Severe Weather
<b>Eligible Applicants</b>	State agencies, units of local government, Native American tribes, and nonprofit organizations. Eligible areas include rural towns with 20,000 or fewer people and federally recognized tribal lands. You can search eligible addresses here: <a href="https://eligibility.sc.egov.usda.gov/eligibility/welcomeAction.do">https://eligibility.sc.egov.usda.gov/eligibility/welcomeAction.do</a>
<b>Type of Assistance Provided</b>	Financial Assistance
<b>Restrictions</b>	<ul style="list-style-type: none"> <li>- Applicants provide grants or low-interest loans to repair or rehabilitate housing for low- and very-low-income homeowners.</li> <li>- Rental property owners may also receive assistance if they agree to make units available to low- and very-low-income families.</li> <li>- Eligible expenses include: <ul style="list-style-type: none"> <li>• Repairing or replacing electrical wiring, foundations, roofs, insulation, heating systems, and water/waste disposal systems.</li> <li>• Handicap accessibility features.</li> <li>• Labor and materials.</li> <li>• Administrative expenses.</li> </ul> </li> </ul> <p>For a complete list, see the Code of Federal Regulations (CFR) 1944.664.</p>
<b>Funding Available</b>	Nationally, there is \$18.5 million available in FY 2023.
<b>Cost Sharing</b>	Not a requirement. Learn more here: <a href="https://www.govinfo.gov/content/pkg/FR-2018-06-25/pdf/2018-13458.pdf">https://www.govinfo.gov/content/pkg/FR-2018-06-25/pdf/2018-13458.pdf</a>
<b>Website</b>	<a href="https://www.rd.usda.gov/programs-services/housing-preservation-grants">https://www.rd.usda.gov/programs-services/housing-preservation-grants</a>
<b>Contact Name</b>	Patience Hayes
<b>Contact Address</b>	2118 West Park Court Suite A Champaign, IL 61821
<b>Contact Phone</b>	217-403-6202
<b>Contact Email</b>	<a href="mailto:patience.hayes@usda.gov">patience.hayes@usda.gov</a>
<b>Equity-focused Resource?</b>	Yes
<b>Equity Theme</b>	Vulnerable Communities, Accessibility

## About the Resource

The HPG program gives grants to organizations to repair or upgrade low- and very-low-income housing. The grants are competitive. They are usable where there is a great need. People who get help must own very low- or low-income housing as homeowners, landlords, or members of a cooperative. Very low income means being below 50% of the area median income (AMI). Low income is between 50 and 80% of the AMI.

The funds can be used for:

- Fixing or restoring housing for low- and very-low-income homeowners.
- Rental property whose owners agree to offer units to low- and very-low-income families.

Eligible costs include:

- Fixing or replacing electrical wiring, foundations, roofs, insulation, heating systems and water/waste disposal systems.
- Handicap accessibility features.
- Labor and materials.
- Administrative expenses.

## Case Study or Best Practice

Depoe Bay is on the Oregon coast. Its residents are no strangers to earthquakes. Most of the tremors they feel are small. However, in major quakes, they would depend on their local emergency responders. Its 40-year-old, three-story Depoe Bay fire station was outdated and not accessible for people with disabilities. It no longer met the latest standards in seismic safety. Updating the building would be a lot of work for this small, rural district. They also had to deal with the cost of replacing their vehicles more often than other parts of the state. They had to do this due to the corrosion that the salty ocean spray causes.

Depoe Bay got a \$1.8 million loan and a \$74,900 grant from USDA Rural Development through its Community Facilities Program. It also got \$831,318 from the state's Seismic Rehabilitation Grant Program. With the money, the Depoe Bay Rural Fire Protection District fully renovated Fire Station 2300. This vital Depoe Bay facility is now seismically sound. It also complies with the Americans with Disability Act. During those repairs, the rest of the building was updated. The kitchen, dining room, day room, restrooms, and showers were remodeled. An elevator was installed. The heating, air conditioning, and sprinkler systems were replaced. The bays were widened for modern, larger vehicles. The remaining space was changed into a weight room. Finally, five new bunk rooms were built and the conference room was updated.

"These improvements will last us for the next 30 years or more," said Fire Chief Bill Johnson. The fire district also got a \$40,500 grant from USDA. It used the money to buy and equip a new command vehicle that replaced an old truck that was no longer safe to use. The Depoe Bay Rural Fire Protection District now has the modern facilities and equipment it needs to keep serving this rural service area of 4,683 people. It also gives them a safe base of operations in the event of an earthquake.

You can learn more about strategies for using this grant at:

<https://www.usda.gov/sites/default/files/documents/usda-strategic-plan-2018-2022.pdf>

You can learn more about best practices at: <https://www.rd.usda.gov/newsroom/success-stories>

## Forest Legacy Program (FLP)

<b>Agency or Organization</b>	U.S. Department of Agriculture (USDA)/U.S. Forest Service (USFS)
<b>Resource Type</b>	Purchase
<b>Hazard(s) Addressed</b>	Soil/Geologic Hazards; Wildfire
<b>Eligible Applicants</b>	<p>A proposed project is eligible if it meets federal requirements and minimum eligibility:</p> <ul style="list-style-type: none"> <li>• It is within, or partially within, a designated FLA.</li> <li>• It has at least 75% forestland or a documented plan that includes sufficient landowner capacity to reforest to at least 75% forestland.</li> <li>• It can be managed consistent with the purpose for which it was acquired by FLP.</li> <li>• The landowner is willing to sell or donate the interest in perpetuity.</li> <li>• The landowner acknowledges that the conservation easement will be held by a government entity if federal funds are used for the acquisition.</li> </ul>
<b>Type of Assistance Provided</b>	Financial Assistance
<b>Restrictions</b>	None identified.
<b>Funding Available</b>	States can submit up to three projects, which cannot exceed \$20 million.
<b>Cost Sharing</b>	At least 25% of the total project cost
<b>Website</b>	<a href="https://www.fs.usda.gov/managing-land/private-land/forest-legacy">https://www.fs.usda.gov/managing-land/private-land/forest-legacy</a>
<b>Contact Name</b>	Scott Stewart
<b>Contact Address</b>	201 14th Street Washington, DC 20024
<b>Contact Phone</b>	202-205-1618
<b>Contact Email</b>	sstewart@fs.fed.us
<b>Equity-focused Resource?</b>	Yes
<b>Equity Theme</b>	Federal Initiatives

## About the Resource

The FLP finds and protects important forest areas that may be changed for non-forest uses. It encourages landowners to keep their forests as forests. This effort supports sustainable forest management. It also aids the markets of forest products.

To work with the FLP, landowners may sell all or part of a property’s development rights. State agencies or other parts of government hold both. Conservation easements are legal agreements between a landowner and a nonprofit land trust or government agency. They let the land stay privately owned. They also make sure its environmental values remain.

The Land and Water Conservation Fund (LWCF) funds the program. The LWCF invests some money from federal offshore drilling fees. It does this to save important land, water, and recreation areas.

## Case Study or Best Practice

You can find a list of funding and achievements, program guidelines and performance measurements at: [https://www.fs.usda.gov/sites/default/files/fs\\_media/fs\\_document/15541-forest-service-legacy-program-508.pdf](https://www.fs.usda.gov/sites/default/files/fs_media/fs_document/15541-forest-service-legacy-program-508.pdf)

You can find the project selection process for FY 2021 at: <https://www.fs.usda.gov/managing-land/private-land/forest-legacy/program/fy23-funded-projects>

## Disaster Supplemental Funding

<b>Agency or Organization</b>	U.S. Department of Commerce, U.S Economic Development Administration (EDA)
<b>Resource Type</b>	Grant
<b>Hazard(s) Addressed</b>	Coastal Hazards; Drought; Earthquake; Flood; Extreme Heat; Soil/Geologic Hazards; Wildfire; Tornado; Severe Weather; Severe Winter Storms
<b>Eligible Applicants</b>	District organizations; Indian tribes or consortiums of Indian tribes; states, counties, cities, or other political subdivisions of a state (including a special purpose unit of a state or local government engaged in economic or infrastructure development activities, or consortiums of political subdivisions); institutions of higher education or consortiums of institutions of higher education; or public or private nonprofit organizations or associations acting in cooperation with officials of a political subdivision of a state.
<b>Type of Assistance Provided</b>	Financial Assistance
<b>Restrictions</b>	Proposed projects must serve areas where a Presidential declaration of a major disaster was issued under the Robert T. Stafford Disaster Relief and Emergency Assistance Act in 2017.
<b>Funding Available</b>	\$483 million is available in FY23 with up to \$30 million per award.
<b>Cost Sharing</b>	A match is required, but the percentage of the match is not identified.
<b>Website</b>	<a href="https://www.eda.gov/disaster-recovery/supplemental/">https://www.eda.gov/disaster-recovery/supplemental/</a>
<b>Contact Name</b>	Jeannette Tamayo, Regional Administrator
<b>Contact Address</b>	231 South Dearborn Street Suite 3281 Chicago, IL 60605
<b>Contact Phone</b>	312-353-8144
<b>Contact Email</b>	jtamayo@eda.gov
<b>Equity-focused Resource?</b>	No
<b>Equity Theme</b>	N/A

## About the Resource

In June 2019, Congress passed the Additional Supplemental Appropriations for Disaster Relief Act of 2019. The Act gives EDA \$600 million in extra Economic Adjustment Assistance (EAA) program funds. The funds cover costs related to flood mitigation, disaster relief, long-term recovery, and the restoration of infrastructure. It affects areas impacted by Hurricanes Florence, Michael, and Lane; Typhoons Yutu and Mangkhut; wildfires and other disasters under the Stafford Act; and tornadoes and floods in 2019. This funding adds to EDA's Disaster Supplemental Funding for 2017 disasters.

## Case Study or Best Practice

There is \$483 million available to grantees in communities impacted by 2021 and 2022 natural disasters. Learn more about the funding for the 2021 and 2022 disasters at: <https://www.eda.gov/disaster-recovery/supplemental/2017/>

## EDA and Disaster Recovery

<b>Agency or Organization</b>	U.S. Department of Commerce, U.S. Economic Development Administration (EDA)
<b>Resource Type</b>	Technical
<b>Hazard(s) Addressed</b>	Coastal Hazards; Drought; Earthquake; Flood; Extreme Heat; Soil/Geologic Hazards; Wildfire; Tornado; Severe Weather; Severe Winter Storms
<b>Eligible Applicants</b>	See the Disaster Supplemental Funding resource for further information.
<b>Type of Assistance Provided</b>	Technical Assistance, Financial Assistance
<b>Restrictions</b>	See the Disaster Supplemental Funding resource for further information.
<b>Funding Available</b>	See the Disaster Supplemental Funding resource for further information.
<b>Cost Sharing</b>	See the Disaster Supplemental Funding resource for further information.
<b>Website</b>	<a href="https://www.eda.gov/strategic-initiatives/disaster-recovery">https://www.eda.gov/strategic-initiatives/disaster-recovery</a>
<b>Contact Name</b>	Jeannette Tamayo, Regional Administrator
<b>Contact Address</b>	230 South Dearborn Street Suite 3280 Chicago, IL 60604
<b>Contact Phone</b>	312-353-8143
<b>Contact Email</b>	<a href="mailto:jtamayo@eda.gov">jtamayo@eda.gov</a>
<b>Equity-focused Resource?</b>	No
<b>Equity Theme</b>	N/A

## About the Resource

EDA aids disaster recovery and resiliency. It gives federal economic development help. Its work aids long-term economic recovery planning and projects. EDA makes regional disaster recovery efforts. It works with Economic Development Districts (EDDs), university centers, institutions of higher education, and other partners. EDA has made \$587 million for disaster recovery grants for communities dealing with economic distress from Hurricanes Florence, Michael, and Lane; Typhoons Yutu and Mangkhut; wildfires, volcanic eruptions, earthquakes, and other natural disasters in 2018; and tornadoes and floods in 2019.

## Case Study or Best Practice

An article posted in February 2020 gives information on the use of the program in Missouri after a Disaster Declaration in 2019. You can find this article at: <https://www.eda.gov/impact/success-stories>

## Green and Resilient Retrofit Program

<b>Agency or Organization</b>	U.S. Department of Housing and Urban Development (HUD)
<b>Resource Type</b>	Grant
<b>Hazard(s) Addressed</b>	Coastal Hazards; Drought; Earthquake; Flood; Extreme Heat; Soil/Geologic Hazards; Wildfire; Tornado; Severe Weather; Severe Winter Storms
<b>Eligible Applicants</b>	Unrestricted.
<b>Type of Assistance Provided</b>	Technical Assistance, Financial Assistance
<b>Restrictions</b>	You can find restrictions on the funding in the NOFA. These grants cannot be used to substitute for funding already pledged to support land use, community development, housing, transportation planning, and other planning activities.
<b>Funding Available</b>	Edge program amount available: \$140 million. Leading Edge program amount available: \$400 million. Comprehensive program amount available: \$1.47 billion.
<b>Cost Sharing</b>	Not identified.
<b>Website</b>	<a href="https://www.hud.gov/grp">https://www.hud.gov/grp</a>
<b>Contact Name</b>	Brian Siebenlist, Office of Policy and Grant Administration
<b>Contact Address</b>	451 7th Street, Sw Room 3143 Washington, DC 20410
<b>Contact Phone</b>	202-402-5415
<b>Contact Email</b>	<a href="mailto:grp@hud.gov">grp@hud.gov</a>
<b>Equity-focused Resource?</b>	Yes
<b>Equity Theme</b>	Empowerment, Accessibility, Federal Initiatives

## About the Resource

On August 16, 2022, the Inflation Reduction Act (IRA) was signed into Law. Section 30002 of Title III of the IRA, (Publ. L. 117-169) is titled “Improving Energy Efficiency or Water Efficiency or Climate Resilience of Affordable Housing.” It provides funding for direct loans and grants for projects that improve energy or water efficiency; enhance indoor air quality or sustainability; use zero-emission electricity generation; use low-emission building materials or processes; store energy; use building electrification strategies; or address climate resilience for eligible HUD-assisted multifamily properties. Eligible owners mainly include owners who receive HUD rental assistance under Multifamily Section 8 project-based rental assistance, Section 202 Supportive Housing for Low-Income Elderly, and Section 811 Supportive Housing for Low-Income Persons with Disabilities.

The GRPP fact sheet explains the three different award cohorts:

[https://www.hud.gov/sites/dfiles/Housing/documents/GRRP\\_Overview\\_FactSheet.pdf](https://www.hud.gov/sites/dfiles/Housing/documents/GRRP_Overview_FactSheet.pdf)

## Case Study or Best Practice



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State of Michigan

None identified.

## Community Development Block Grant (CDBG) Mitigation

<b>Agency or Organization</b>	U.S. Department of Housing and Urban Development (HUD)
<b>Resource Type</b>	Grant
<b>Hazard(s) Addressed</b>	Coastal Hazards; Drought; Earthquake; Flood; Extreme Heat; Soil/Geologic Hazards; Wildfire; Tornado; Severe Weather; Severe Winter Storms
<b>Eligible Applicants</b>	States, units of general local government, Indian tribes, or insular areas.
<b>Type of Assistance Provided</b>	Technical Assistance, Financial Assistance
<b>Restrictions</b>	An action plan is required before funds can be expended. Learn more about the action plan requirement here: <a href="https://www.hudexchange.info/programs/cdbg-mit/action-plan-requirements/">https://www.hudexchange.info/programs/cdbg-mit/action-plan-requirements/</a>
<b>Funding Available</b>	The 2019 federal Register notice allocates \$6.87 billion in mitigation funds to nine states and five localities recovering from 2015, 2016 and 2017 natural disasters.
<b>Cost Sharing</b>	Unknown.
<b>Website</b>	<a href="https://www.hudexchange.info/programs/cdbg-mit/">https://www.hudexchange.info/programs/cdbg-mit/</a>
<b>Contact Name</b>	Jessie Handforth Kome, Acting Director, Office of Block Grant Assistance
<b>Contact Address</b>	451 7th Street S.W., Room 7282 Washington, DC 20410
<b>Contact Phone</b>	202-402-3587
<b>Contact Email</b>	<a href="mailto:disaster_recovery@hud.gov">disaster_recovery@hud.gov</a>
<b>Equity-focused Resource?</b>	Yes
<b>Equity Theme</b>	Other

### About the Resource

CDBG mitigation funds give grantees a chance to use assistance in areas impacted by recent disasters. The assistance helps them carry out long-term and high-impact activities. Such activities mitigate disaster risks and reduce future losses. While they cannot get rid of all risks, these funds help grantees mitigate disaster risks. They also let grantees change state and local planning.

### Case Study or Best Practice

As this is a new program, no best practice or case study is available yet. To learn more about the program and ideal project types, see the Federal Register notice at:

<https://files.hudexchange.info/resources/documents/FR-6109-N-02-CDBG-Mitigation-Notice.pdf>

## Section 108 Loan Guarantee Program

<b>Agency or Organization</b>	U.S. Department of Housing and Urban Development (HUD)
<b>Resource Type</b>	Loan
<b>Hazard(s) Addressed</b>	Coastal Hazards; Drought; Earthquake; Flood; Extreme Heat; Landslide; Soil/Geologic Hazards; Wildfire; Tornado; Severe Weather; Severe Winter Storms
<b>Eligible Applicants</b>	States, metropolitan cities and urban counties (i.e., CDBG entitlement recipients); nonentitlement communities that are assisted in the submission of applications by states that administer the CDBG program; and nonentitlement communities eligible to receive CDBG funds under the HUD-Administered Small Cities CDBG program (Hawaii). The public entity may be the borrower or designate a public agency as the borrower.
<b>Type of Assistance Provided</b>	Financial Assistance
<b>Restrictions</b>	Projects funded with Section 108 loans must meet basic CDBG criteria. This includes meeting a national objective and public benefits standards. Projects must comply with all other local, state, or federal regulations. This includes cross cutting regulations.
<b>Funding Available</b>	In 2022, \$760,409,237 was allocated to FEMA Region 5 states. You can find the current availability of funding here: <a href="https://www.hudexchange.info/resource/5197/current-availability-of-section-108-financing-cdbg-entitlement-and-State-grantees/">https://www.hudexchange.info/resource/5197/current-availability-of-section-108-financing-cdbg-entitlement-and-State-grantees/</a>
<b>Cost Sharing</b>	N/A
<b>Website</b>	<a href="https://www.hudexchange.info/programs/section-108/">https://www.hudexchange.info/programs/section-108/</a>
<b>Contact Name</b>	Jorgelle Lawson Director, Community Planning and Development
<b>Contact Address</b>	Bricker Federal Building 200 North High Street 7th Floor Columbus, OH 43215
<b>Contact Phone</b>	614-280-6110
<b>Contact Email</b>	Jorgelle.Lawson@hud.gov
<b>Equity-focused Resource?</b>	Yes
<b>Equity Theme</b>	Vulnerable Communities

## About the Resource

The Section 108 Loan Guarantee Program is part of the Housing and Community Development Act of 1974. It funds economic development, housing rehabilitation, public facilities, and other physical development projects. These projects improve resilience against natural disasters. The program is one of the most important public investment tools that HUD offers to state and local governments. Section 108 lets those governments change a little of their Community Development Block Grant (CDBG) funds into federally-guaranteed loans. Those loans are large enough for revitalization projects that can change whole neighborhoods.

## Case Study or Best Practice

Indiana got \$30 million in 2013 for its Community Enhancement and Economic Development Loan Fund. The state's Office of Community Rural Affairs and the Indiana Housing and Community Development Authority will use Section 108 loan funds to make use of a Community Enhancement and Economic Development Loan Fund. They will make loans to non-entitlement units of local government in the state. The non-entitlement units of local government will either re-lend the funds to third-party for-profit and nonprofit businesses, including Community-Based Development Organizations; use the funds directly; or use the funds through a subrecipient to carry out activities. Loans range between \$1 million and \$7 million.

You can learn more about this best practice at: <https://www.hudexchange.info/resources/documents/2013-Section-108-Guaranteed-Loan-Program-Overview.pdf>

## Sustainable Communities Regional Planning (SCRIP) Grants

<b>Agency or Organization</b>	U.S. Department of Housing and Urban Development (HUD)
<b>Resource Type</b>	Grant
<b>Hazard(s) Addressed</b>	Coastal Hazards; Drought; Earthquake; Flood; Extreme Heat; Landslide Soil/Geologic Hazards; Wildfire; Tornado; Severe Weather; Severe Winter Storms
<b>Eligible Applicants</b>	Local municipalities, nonprofit organizations, for-profit organizations. You can find the grantee and applicant list from 2011 at: <a href="https://www.hud.gov/sites/documents/2011REGAWARDPSSAPPLICANTS.PDF">https://www.hud.gov/sites/documents/2011REGAWARDPSSAPPLICANTS.PDF</a>
<b>Type of Assistance Provided</b>	Financial Assistance
<b>Restrictions</b>	None identified.
<b>Funding Available</b>	Thresholds depending on the size of the community. For large metropolitan areas with a population of 500,000 or more, grants range from \$1,000,000 to \$5,000,000. For medium-sized metropolitan areas with a population between 200,000 and 499,999, grants range from \$600,000 to \$3,000,000. For rural and small town areas with a population below 200,000, grants range from \$400,000 to \$1,500,000.
<b>Cost Sharing</b>	A 20% match is required.
<b>Website</b>	<a href="https://www.hud.gov/program_offices/economic_development/sustainable_communities_regional_planning_grants">https://www.hud.gov/program_offices/economic_development/sustainable_communities_regional_planning_grants</a>
<b>Contact Name</b>	Indianapolis Field Office
<b>Contact Address</b>	Minton Capehart Federal Building 575 North Pennsylvania Street Suite 655 Indianapolis, IN 46204
<b>Contact Phone</b>	317-226-6303
<b>Contact Email</b>	Andrea.Ekiyor@hud.gov
<b>Equity-focused Resource?</b>	Yes
<b>Equity Theme</b>	Cultural/Indigenous Knowledge, Empowerment

## About the Resource

The SCRIP grant program helps local efforts that bring together diverse interests from the region. The program helps people learn how best to target housing, economic and workforce development, and infrastructure investments. Such work creates jobs and boosts economic activity. SCRIP focuses on partnerships. This includes nontraditional ones. Nontraditional partnerships include arts and culture, recreation, public health, food systems, regional planning agencies, and public education entities. All partnerships should use the Six Livability Principles in their strategies. Those strategies should direct long-term development and reinvestment. Partners must commit to regional issues. They need to use data to set and monitor progress toward goals. They also need to work with stakeholders and residents in decision-making roles. The SCRIP program is a key part of the Partnership for Sustainable Communities. Within that partnership, HUD works with the U.S.

Department of Transportation (DOT) and the U.S. Environmental Protection Agency (EPA). They work on programs and investments.

Note: This resource has not been updated since 2011.

## Case Study or Best Practice

Denver, Colorado

FasTracks is a 12-year, \$6.2 billion public transportation expansion plan. It has built six new transit lines and 57 new stations by 2017. Front Range Economic Strategy Center, Making Connections-Denver, Metropolitan Organizations for People, and Project Wise made a community engagement plan. The plan is for two stations for Denver Housing Authority residents and the nearby community. Through the Resident Advisory Committees (RAC) of 2006, the effort reached hundreds of residents. It led to a list of community principles. Those principles include stopping displacement and making economic opportunities. These ideas guide redevelopment.

You can learn more about the Sustainable Communities Regional Planning Grants and best practices at: <http://www.policylink.org/sites/default/files/2010-sc-regional-planning-grant-equity-guide.pdf>

## 203(k) Rehabilitation Program

<b>Agency or Organization</b>	U.S. Department of Housing and Urban Development (HUD) Federal Housing Administration (FHA)
<b>Resource Type</b>	Loan
<b>Hazard(s) Addressed</b>	Coastal Hazards; Drought; Earthquake; Flood; Extreme Heat; Soil/Geologic Hazards; Wildfire; Tornado; Severe Weather; Severe Winter Storms
<b>Eligible Applicants</b>	Homebuyers, homeowners.
<b>Type of Assistance Provided</b>	Financial Assistance
<b>Restrictions</b>	You can learn more about the type of projects allowed at: <a href="https://www.hud.gov/program_offices/housing/sfh/203k/203k-df">https://www.hud.gov/program_offices/housing/sfh/203k/203k-df</a>
<b>Funding Available</b>	There are FHA mortgage limits depending on the area. Please consult the FHA Mortgage Limit Calculator, found here: <a href="https://entp.hud.gov/idapp/html/hicostlook.cfm">https://entp.hud.gov/idapp/html/hicostlook.cfm</a>
<b>Cost Sharing</b>	N/A
<b>Website</b>	<a href="https://www.hud.gov/program_offices/housing/sfh/203k">https://www.hud.gov/program_offices/housing/sfh/203k</a>
<b>Contact Name</b>	Gary Long
<b>Contact Address</b>	451 7th Street S.W. Washington, DC 20410
<b>Contact Phone</b>	800-225-5342
<b>Contact Email</b>	Gary.X.Long@hud.gov
<b>Equity-focused Resource?</b>	No
<b>Equity Theme</b>	N/A

## About the Resource

Section 203(k) insurance helps homebuyers and homeowners buy or refinance houses. This is done through a single mortgage.

## Case Study or Best Practice

HUD's FHA manages the 203(k) program. FHA works with FEMA and the Small Business Administration to rebuild, repair, or relocate homes after a disaster. The FHA has many programs. The 203(k) program helps people buy or refinance homes. It includes the cost of repairs or improvements in the loan amount. There are three main programs under 203(k). Which programs are used depends on the scale of the needed repairs.

If the 203(k) program is wrong, FHA also provides the 203(h) program. It gives mortgage loans for rebuilding or replacing homes. The Title I Property Improvement Loan is a second mortgage for home changes, repairs or improvements.

## Housing Improvement Program (HIP)

<b>Agency or Organization</b>	U.S. Department of the Interior (DOI) Bureau of Indian Affairs (BIA)
<b>Resource Type</b>	Grant
<b>Hazard(s) Addressed</b>	Coastal Hazards; Drought; Earthquake; Flood; Extreme Heat; Soil/Geologic Hazards; Wildfire; Tornado; Severe Weather; Severe Winter Storms
<b>Eligible Applicants</b>	Applicants must be a member of a federally recognized American Indian tribe or be an Alaska Native; live in an approved tribal service area; have an income that does not exceed 150% of the U.S. Department of Health and Human Services (DHHS) Poverty Guidelines; have present housing that is substandard, as defined by the regulations; have no other resource for housing assistance; and have not acquired their present housing through a federally sponsored housing program that includes such housing assistance.
<b>Type of Assistance Provided</b>	Financial Assistance, Technical Assistance
<b>Restrictions</b>	Consult the eligibility guidelines found here: <a href="https://www.bia.gov/bia/ois/dhs/housing-improvement-program">https://www.bia.gov/bia/ois/dhs/housing-improvement-program</a>
<b>Funding Available</b>	Interim Improvements: Provides up to \$7,500 in housing repairs for conditions that threaten the health and/or safety of the occupants. Repairs and Renovation: Provides up to \$60,000 in repairs and renovation to improve the condition of a homeowner's dwelling to meet applicable building code standards. Replacement Housing: Provides a modest replacement home if a homeowner's dwelling cannot be brought to applicable building code standards. New Housing: Provides a modest new home. If you do not own a home, you may be eligible if you are the owner or leaseholder of land suitable for housing and the lease is for not less than 25 years at the time assistance is received.
<b>Cost Sharing</b>	Unknown.
<b>Website</b>	<a href="https://www.bia.gov/bia/ois/dhs/housing-improvement-program">https://www.bia.gov/bia/ois/dhs/housing-improvement-program</a>
<b>Contact Name</b>	Loren Welch, Regional Facilities Manager
<b>Contact Address</b>	Norman Point II, 5600 W American Boulevard Suite 500 Bloomington, MN 55437
<b>Contact Phone</b>	612-725-4519
<b>Contact Email</b>	loren.welch@bia.gov
<b>Equity-focused Resource?</b>	Yes
<b>Equity Theme</b>	Empowerment, Accessibility

## About the Resource

The HIP is a home repair, renovation, replacement, and new housing grant program. The BIA administers it. It helps American Indian and Alaska Native (AI/AN) people who have no immediate resource for standard housing. HIP is not an entitlement program. It was established under The Snyder Act of 1921. It was one of many BIA programs authorized by Congress to benefit Indian people.



## Case Study or Best Practice

You can find a list of funding and operational programs within the HIP at:  
<https://www.hobbsstrauss.com/general-memorandum-17-038>

## Rural Surface Transportation Grant Program

<b>Agency or Organization</b>	U.S. Department of Transportation
<b>Resource Type</b>	Grant
<b>Hazard(s) Addressed</b>	Soil/Geologic Hazards
<b>Eligible Applicants</b>	States, regional transportation planning organizations, local governments, and tribal governments.
<b>Type of Assistance Provided</b>	Financial Assistance
<b>Restrictions</b>	See the RST Grant page for eligible uses: <a href="https://www.transportation.gov/grants/rural-surface-transportation-grant">https://www.transportation.gov/grants/rural-surface-transportation-grant</a>
<b>Funding Available</b>	\$2 billion available for FY22-FY26
<b>Cost Sharing</b>	Not specified.
<b>Website</b>	<a href="https://www.transportation.gov/grants/rural-surface-transportation-grant">https://www.transportation.gov/grants/rural-surface-transportation-grant</a>
<b>Contact Name</b>	Paul Baumer
<b>Contact Address</b>	1200 New Jersey Avenue, SE Washington, DC 20590
<b>Contact Phone</b>	202-366-1092
<b>Contact Email</b>	MPDGrants@dot.gov
<b>Equity-focused Resource?</b>	Yes
<b>Equity Theme</b>	Vulnerable Communities

### About the Resource

The Rural Surface Transportation Grant Program supports projects that improve and grow surface transportation infrastructure. It works in rural areas. This change grows connectivity. It also improves the safety and reliability of the movement of people and freight and spurs regional economic growth.

### Case Study or Best Practice

This is a new program. Best practices and case studies do not yet exist.

## Clean Water State Revolving Fund (CWSRF)

<b>Agency or Organization</b>	U.S. Environmental Protection Agency (EPA)
<b>Resource Type</b>	Loan
<b>Hazard(s) Addressed</b>	Coastal Hazards; Drought; Flood; Soil/Geologic Hazards; Wildfire; Severe Weather; Severe Winter Storms
<b>Eligible Applicants</b>	Under the CWSRF, EPA provides grants to all 50 states and Puerto Rico to capitalize state CWSRF loan programs.
<b>Type of Assistance Provided</b>	Technical Assistance, Financial Assistance
<b>Restrictions</b>	You can learn about restrictions in the Drinking Water State Revolving Fund Eligibility Handbook, found here: <a href="https://www.epa.gov/dwsrf/dwsrf-eligibility-handbook">https://www.epa.gov/dwsrf/dwsrf-eligibility-handbook</a>
<b>Funding Available</b>	Varies depending on the state or disaster. You can learn more about historic available funds here: <a href="https://www.epa.gov/drinkingwatersrf/annual-allotment-federal-funds-states-tribes-and-territories#tab-9">https://www.epa.gov/drinkingwatersrf/annual-allotment-federal-funds-states-tribes-and-territories#tab-9</a>
<b>Cost Sharing</b>	The states contribute an additional 20% to match the federal grants. EPA also provides direct grant funding for the District of Columbia, U.S. Virgin Islands, American Samoa, Guam, and the Commonwealth of Northern Marianas.
<b>Website</b>	<a href="https://www.epa.gov/cwsrf">https://www.epa.gov/cwsrf</a>
<b>Contact Name</b>	Andrew Lausted
<b>Contact Address</b>	U.S. EPA Region 5 100 North Senate Avenue Chicago, IL 60604
<b>Contact Phone</b>	312-886-0189
<b>Contact Email</b>	<a href="mailto:lausted.andrew@epa.gov">lausted.andrew@epa.gov</a>
<b>Equity-focused Resource?</b>	No
<b>Equity Theme</b>	N/A

## About the Resource

The CWSRF is a federal-state partnership. It gives communities a permanent, independent source of low-cost financing. This funding can be used for a wide range of water quality infrastructure projects. The CWSRF can fund a wide range of water quality protection efforts. The program helps states target CWSRF funds to their specific water quality needs. State innovation and statutory changes have changed the project eligibilities since the program was authorized in 1987.

## Case Study or Best Practice

Ohio has used a linked-deposit loan program since 1993. It funds projects that help county watershed management plans. This program has funded more than 300 projects. Those projects repair onsite wastewater treatment systems. They also start best management practices for agriculture, forestry, stormwater and land

development. The CWSRF program made this program with the help of county soil and water conservation districts and local banks.

The CWSRF program uses its linked deposit loan program one county at a time. Each county's program is made with two steps. In the first, the county soil and water conservation district develop a watershed management plan. In the second, the CWSRF program and local financial institutions agree on needs and rules for linked deposit loans.

Watershed management plans describe a watershed, note sources of pollution, and suggest fixes for those sources. They also focus on water quality problems, find funding, and make the schedule. Ohio EPA reviews the county soil and water district's draft plan. The review is formal and public. If Ohio EPA approves a plan after this review, the CWSRF program and the soil and water conservation district sign a document. That document states how the groups will work together in the management plan.

You can learn more about case studies at: <https://www3.epa.gov/npdes/pubs/linkeddepositfinalprint.pdf>

## Drinking Water State Revolving Fund (DWSRF)

<b>Agency or Organization</b>	U.S. Environmental Protection Agency (EPA)
<b>Resource Type</b>	Loan
<b>Hazard(s) Addressed</b>	Coastal Hazards; Drought; Flood; Soil/Geologic Hazards
<b>Eligible Applicants</b>	All 50 states and Puerto Rico. Also provides direct funding for the District of Columbia, U.S. Virgin Islands, American Samoa, Guam and the Commonwealth of Northern Marianas.
<b>Type of Assistance Provided</b>	Financial Assistance
<b>Restrictions</b>	You can learn about restrictions in the Drinking Water State Revolving Fund Eligibility Handbook, found here: <a href="https://www.epa.gov/dwsrf/dwsrf-eligibility-handbook">https://www.epa.gov/dwsrf/dwsrf-eligibility-handbook</a>
<b>Funding Available</b>	There is a yearly allotment of funding available to states, tribes, and territories. You can learn about it here: <a href="https://www.epa.gov/drinkingwatersrf/annual-allotment-federal-funds-states-tribes-and-territories">https://www.epa.gov/drinkingwatersrf/annual-allotment-federal-funds-states-tribes-and-territories</a>
<b>Cost Sharing</b>	Congress appropriates funding for the DWSRF. EPA then awards capitalization grants to each state for their DWSRF based upon the results of the most recent Drinking Water Infrastructure Needs Survey and Assessment. The state provides a 20% match.
<b>Website</b>	<a href="https://www.epa.gov/drinkingwatersrf">https://www.epa.gov/drinkingwatersrf</a>
<b>Contact Name</b>	Andrew Lausted
<b>Contact Address</b>	U.S. EPA Region 5 Ralph Metcalfe Federal Building 77 West Jackson Boulevard Chicago, IL 60605
<b>Contact Phone</b>	312-886-0190
<b>Contact Email</b>	<a href="mailto:lausted.andrew@epa.gov">lausted.andrew@epa.gov</a>
<b>Equity-focused Resource?</b>	No
<b>Equity Theme</b>	N/A

## About the Resource

Under the DWSRF, EPA gives grants to all states and Puerto Rico. It does so to capitalize state DWSRF loan programs. The states pay an extra 20% to match the federal grants. The program also directly funds the District of Columbia, U.S. Virgin Islands, American Samoa, Guam, and the Commonwealth of Northern Marianas.

The 51 DWSRF programs grant low-interest loans for drinking water infrastructure projects. As money is paid back into the state's revolving loan fund, the state makes new loans to other projects. The earnings from these payments allow the state's DWSRF to "revolve" over time.

States are responsible for their DWSRF programs. Under the DWSRF, states may assist in many ways, including:

- Loans.
- Refinancing.
- Purchasing.
- Guaranteeing local debt.
- Purchasing bond insurance.

States may also set specific loan terms, including:

- Interest rates from 0% to market rate.
- Repayment periods of up to 30 years.

## Case Study or Best Practice

Dexter, Michigan —Dexter used ARRA funding to replace over 4,000 feet of old cast iron water mains. This project qualified for Green Project Reserve funding due to water loss reduction and related energy savings. The system used to lose around 17% of real water.

Lanesboro, Minnesota — Lanesboro was struggling with iron, manganese, and radium contamination issues. It received DWSRF funding to drill a new groundwater well and build a new water treatment plant. Lanesboro met its goals in 2016. Its water quality has improved.

Wisconsin — The Wisconsin DWSRF program gives loan principal forgiveness. It does this to help replace privately-owned lead service lines (LSLs). The municipality's population size decides the maximum funding level for LSL replacement.

The private portion of LSL replacement at K-12 schools and licensed daycare centers can also get funding.

## Great Lakes Funding

<b>Agency or Organization</b>	U.S. Environmental Protection Agency (EPA)
<b>Resource Type</b>	Grant, Technical
<b>Hazard(s) Addressed</b>	Coastal Hazards
<b>Eligible Applicants</b>	Varies depending on project type and Request for Applications.
<b>Type of Assistance Provided</b>	Financial Assistance
<b>Restrictions</b>	Varies depending on project type and Request for Applications.
<b>Funding Available</b>	Varies depending on project type and Request for Applications.
<b>Cost Sharing</b>	Unknown.
<b>Website</b>	<a href="https://www.epa.gov/great-lakes-funding">https://www.epa.gov/great-lakes-funding</a>
<b>Contact Name</b>	Scott Cieniawski
<b>Contact Address</b>	Great Lakes National Program Office (G-9J) 77 West Jackson Boulevard Chicago, IL 60604
<b>Contact Phone</b>	
<b>Contact Email</b>	<a href="mailto:cieniawski.scott@epa.gov">cieniawski.scott@epa.gov</a>
<b>Equity-focused Resource?</b>	No
<b>Equity Theme</b>	N/A

## About the Resource

EPA's Great Lakes program provides grants, cooperative agreements and contracts. The Great Lakes Restoration Initiative is the largest investment in the Great Lakes in 20 years. It funds a wide range of activities. This includes grants and carrying out Great Lakes Legacy Act projects.

## Case Study or Best Practice

You can find a list of Great Lakes Legacy Act projects and their descriptions at: <https://www.epa.gov/great-lakes-aocs>

## Technical Assistance Grant Program

<b>Agency or Organization</b>	U.S. Environmental Protection Agency
<b>Resource Type</b>	Grant
<b>Hazard(s) Addressed</b>	Coastal Hazards; Dam Failure; Drought; Earthquake; Flood; Extreme Heat; Landslide; Soil/Geologic Hazards; Wildfire; Tornado; Severe Weather; Severe Winter Storms
<b>Eligible Applicants</b>	<p>Potentially responsible parties (PRPs) who are the individuals, cities/townships, or companies that may be responsible for, or may have contributed to, pollution problems at the Superfund site. PRPs can include facility owners, operators, transporters, or generators of hazardous waste.</p> <ul style="list-style-type: none"> <li>• Groups representing or receiving money or services from a PRP.</li> <li>• Academic institutions like colleges or universities.</li> <li>• Groups affiliated with a national organization.</li> <li>• Political subdivisions like states, counties, cities, townships or tribes.</li> <li>• Groups created by, representing, or receiving money or services from any of the groups described above that are not eligible. A community group or citizens' association which was formed because of issues and concerns it had about the site.</li> <li>• A group that has been actively involved at the site and includes all the affected individuals and groups who joined in applying for the TAG.</li> <li>• A group made up of several groups (like those described above) that came together to deal with community concerns about the site and its effects on the surrounding area.</li> </ul>
<b>Type of Assistance Provided</b>	Financial Assistance, Technical Assistance
<b>Restrictions</b>	Must use most of its TAG money to pay for one or more technical advisors to help you understand information about the site.
<b>Funding Available</b>	Initial grant award is up to \$50,000. More funding may be available later.
<b>Cost Sharing</b>	At least 20% of the total project cost.
<b>Website</b>	<a href="https://www.epa.gov/superfund/technical-assistance-grant-tag-program#:~:text=A%20Technical%20Assistance%20Grant%20(TAG,proposed%20cleanu p%20proposals%20and%20decisions">https://www.epa.gov/superfund/technical-assistance-grant-tag-program#:~:text=A%20Technical%20Assistance%20Grant%20(TAG,proposed%20cleanu p%20proposals%20and%20decisions</a>
<b>Contact Name</b>	Adrian Palomeque
<b>Contact Address</b>	77 West Jackson Boulevard Chicago, IL 60604
<b>Contact Phone</b>	312-353-1325
<b>Contact Email</b>	palomeque.adrian@epa.gov
<b>Equity-focused Resource?</b>	No
<b>Equity Theme</b>	N/A

## About the Resource



A Technical Assistance Grant (TAG) helps communities take part in Superfund cleanup decision-making. They fund community groups to contract their own technical advisors. Those advisors interpret and explain technical reports, site conditions, and EPA proposals and decisions.

## Case Study or Best Practice

The Pine River Superfund Citizen Task Force is non-profit organization. It was established in 1998 to advise the U.S. Environmental Protection Agency. Its goal is to remediate three U.S. Superfund sites in the Pine River watershed in the middle of Michigan's lower peninsula. Funds from the Technical Assistance Grant support this project. Find out more at: <https://www.pinerivercag.org/>

## Section 404 of the Clean Water Act - Compensatory Mitigation

<b>Agency or Organization</b>	U.S. Environmental Protection Agency (EPA), U.S. Army Corps of Engineers (USACE)
<b>Resource Type</b>	Variety
<b>Hazard(s) Addressed</b>	Flood; Soil/Geologic Hazards
<b>Eligible Applicants</b>	Non-federal partners.
<b>Type of Assistance Provided</b>	Technical Assistance, Financial Assistance
<b>Restrictions</b>	You can learn more about restrictions and use of the funds in Section 404 (b)(1) Guidance, located here: <a href="https://www.epa.gov/sites/production/files/2015-03/documents/cwa_section404b1_guidelines_40cfr230_july2010.pdf">https://www.epa.gov/sites/production/files/2015-03/documents/cwa_section404b1_guidelines_40cfr230_july2010.pdf</a>
<b>Funding Available</b>	N/A
<b>Cost Sharing</b>	N/A
<b>Website</b>	<a href="https://www.epa.gov/cwa-404/compensatory-mitigation">https://www.epa.gov/cwa-404/compensatory-mitigation</a>
<b>Contact Name</b>	Wendy Melgin
<b>Contact Address</b>	Ralph Metcalfe Federal Building 77 West Jackson Boulevard M.C. #SE-5J Chicago, IL 60604
<b>Contact Phone</b>	312-886-7745
<b>Contact Email</b>	Melgin.Wendy@epa.gov
<b>Equity-focused Resource?</b>	No
<b>Equity Theme</b>	N/A

### About the Resource

In 2008, the EPA and the USACE revised and clarified the requirements of compensatory mitigation. Compensatory mitigation is the restoration, creation, enhancement and/or preservation of wetlands, stream, and other aquatic resources. It is done to offset unavoidable issues after reasonable precautions have been taken.

The requirements give three ways to provide compensatory mitigation. In order of preference, they are: mitigation banks, in-lieu fee programs, and permittee-responsible mitigation.

### Case Study or Best Practice

The Mā'alaea Harbor navigation improvement project works in the island of Maui, Hawaii. It proposed growing the breakwater to improve access to a small boat harbor during certain wave conditions. Between 1982 and 1998, the public commented on the environmental impact statement (EIS). They were concerned about potential impacts to coral reef habitats and other issues. There were funding problems because of the complex

issues around coral reef mitigation. It took until 2012 for Hawaii and USACE to make a final decision on the project.

Because of public comment, the project's analysis approach was modified. The changes improved teamwork with resource agencies and community groups. When updating models to better scale the breakwater, USACE worked with federal resource agencies. They improved understanding of the resource. They also explained the project's navigational and engineering limits and technical issues. While re-evaluating its options, USACE worked with U.S. Fish and Wildlife Service and National Marine Fisheries Service in a phased approach. They mapped the extent of the coral reef habitat. They then rated areas that need protection. Based on the mapping, they looked at the possible options to find the best chance to increase protection. USACE and Hawaii worked with community groups and users in 2010. They made a better understanding of the navigational limits for the harbor and how users were adapting.

Based on input and expertise, Hawaii's best solution was to end the proposed breakwater expansion. It would instead work on facility improvements to better protect docked boats.

You can learn more about federal case studies at:

[https://data.nodc.noaa.gov/coris/library/NOAA/CRCP/other/USCRTF/mitigation\\_handbook\\_final\\_122216.pdf](https://data.nodc.noaa.gov/coris/library/NOAA/CRCP/other/USCRTF/mitigation_handbook_final_122216.pdf)

The information begins on page 72.

You can learn more about state case studies at: <https://www.epa.gov/cwa-404/compensatory-mitigation-evaluations-and-reports>

You can find more resources after the 2008 Final Rule at: <https://www.epa.gov/cwa-404/compensatory-mitigation>

## Federal Excess Personal Property (FEPP) Program

<b>Agency or Organization</b>	U.S. Forest Service (USFS)
<b>Resource Type</b>	Loan
<b>Hazard(s) Addressed</b>	Soil/Geologic Hazards
<b>Eligible Applicants</b>	Local firefighting organizations.
<b>Type of Assistance Provided</b>	Technical Assistance
<b>Restrictions</b>	Not identified.
<b>Funding Available</b>	Not identified.
<b>Cost Sharing</b>	Not identified.
<b>Website</b>	<a href="https://www.fs.usda.gov/managing-land/fire/fepp">https://www.fs.usda.gov/managing-land/fire/fepp</a>
<b>Contact Name</b>	Anne Ball
<b>Contact Address</b>	626 East Wisconsin Avenue Milwaukee, WI 53202
<b>Contact Phone</b>	414-297-1834
<b>Contact Email</b>	Aball@fs.fed.us
<b>Equity-focused Resource?</b>	No
<b>Equity Theme</b>	N/A

## About the Resource

USFS administers the FEPP program through State Foresters. The FEPP reuses extra federal property to fight rural and wild fires. This equipment is loaned to State Foresters. They can sub-loan it to local firefighting groups. The program:

- Strengthens state and local fire protection with important equipment at little cost.
- Helps the state Fire Assistance Program and the Volunteer Fire Assistance Program improve fire protection.
- Can have Forest Service members help to identify extra property that state and local fire groups can use.
- Can have Forest Service members help encourage local fire departments to get needed equipment through this program.

## Case Study or Best Practice

No case study or best practice exists for this program. Review the 2020 acquisitions by state at:

<https://www.fs.usda.gov/sites/default/files/2020-07/Acquisitions%20by%20State%20Year%20Summary.pdf>

## Forest Stewardship Program

<b>Agency or Organization</b>	U.S. Forest Service (USFS)
<b>Resource Type</b>	Technical
<b>Hazard(s) Addressed</b>	Drought; Flood; Extreme Heat; Soil/Geologic Hazards; Wildfire
<b>Eligible Applicants</b>	Non-industrial private forest landowners.
<b>Type of Assistance Provided</b>	Technical Assistance, Education/Outreach
<b>Restrictions</b>	N/A
<b>Funding Available</b>	N/A
<b>Cost Sharing</b>	N/A
<b>Website</b>	<a href="https://www.fs.usda.gov/managing-land/private-land/forest-stewardship">https://www.fs.usda.gov/managing-land/private-land/forest-stewardship</a>
<b>Contact Name</b>	Contact a State Forest Stewardship Coordinator: <a href="https://www.fs.usda.gov/about-agency/contact-us/forest-stewardship-state-coordinators">https://www.fs.usda.gov/about-agency/contact-us/forest-stewardship-state-coordinators</a>
<b>Contact Address</b>	
<b>Contact Phone</b>	
<b>Contact Email</b>	
<b>Equity-focused Resource?</b>	No
<b>Equity Theme</b>	N/A

## About the Resource

The Forest Stewardship Program encourages long-term care of important state and private forest landscapes. It helps landowners manage their forests and related resources. The program helps owners of forests and other land where good care will enhance and sustain the long-term productivity of multiple forest resources and produce healthy, resilient forest landscapes. This care can include agroforestry. Owners of landscape areas identified by State Forest Action Plans receive special attention. Owners new to managing land in a way that shows multi-resource care principles get attention as well. The program gives landowners professional planning and technical assistance. They need this help to keep land productive and healthy. This program also gives landowners better access to other USDA conservation programs, forest certification programs, and forest product and ecosystem service markets.

See contact information and State Coordinators at: <https://www.fs.usda.gov/about-agency/contact-us/forest-stewardship-state-coordinators>

## Case Study or Best Practice

Little Falls, Minnesota (2018)

Mississippi River meets watersheds of four other major tributaries at National Guard base Camp Ripley in Minnesota. This is an improper source of drinking water. USDA FSP, Camp Ripley, and Minnesota agencies

worked together for natural resource sustainability around military bases. FSP helped 260 private landowners make forest management plans. The plans encourage tree health, wildlife habitat sustainability, and income generation.

## Earthquake Hazards Program External Research Support

<b>Agency or Organization</b>	U.S. Geologic Survey (USGS)
<b>Resource Type</b>	Technical
<b>Hazard(s) Addressed</b>	Earthquake
<b>Eligible Applicants</b>	Non-profit 501(c) organizations; state and territorial government agencies; local governments; municipal governments; tribal governments and organizations; educational institutions; or commercial (for-profit) organizations.
<b>Type of Assistance Provided</b>	Technical Assistance
<b>Restrictions</b>	None specified.
<b>Funding Available</b>	\$4 million.
<b>Cost Sharing</b>	Not required.
<b>Website</b>	<a href="https://www.usgs.gov/programs/earthquake-hazards/science/external-grants-overview">https://www.usgs.gov/programs/earthquake-hazards/science/external-grants-overview</a>
<b>Contact Name</b>	Jill Franks, Manager for External Grants
<b>Contact Address</b>	
<b>Contact Phone</b>	703-648-6716
<b>Contact Email</b>	<a href="mailto:jfranks@usgs.gov">jfranks@usgs.gov</a>
<b>Equity-focused Resource?</b>	No
<b>Equity Theme</b>	N/A

### About the Resource

The USGS supports research to help reach the goal of the Earthquake Hazards Program. The goal is to mitigate earthquake losses that can occur in many parts of the nation. The program will meet this goal by sharing earth science data and assessments. Those data are important for land-use planning, engineering design, and emergency preparedness.

### Case Study or Best Practice

You can find the database of funded research projects at:  
[https://earthquake.usgs.gov/cfusion/external\\_grants/research.cfm](https://earthquake.usgs.gov/cfusion/external_grants/research.cfm)

## Water Resources Research Act Program

<b>Agency or Organization</b>	U.S. Geological Survey (USGS)
<b>Resource Type</b>	Grant
<b>Hazard(s) Addressed</b>	Flood; Soil/Geologic Hazards
<b>Eligible Applicants</b>	Awards are available only to Water Resources Research Institutes established per section 104 of the Water Resources Research Act and listed at <a href="http://water.usgs.gov/wrri/index.php">http://water.usgs.gov/wrri/index.php</a> . However, any investigator at an institution of higher learning in the United States may apply for an award through a Water Resources Research Institute. The application, with full proposal along with the SF-424 and SF-424B and budget forms, must be submitted through <a href="http://www.grants.gov">grants.gov</a> ( <a href="http://www.grants.gov">http://www.grants.gov</a> ) by the university at which the institute is located. Proposals that request matching funds from an institute are authorized at the discretion of the institute director.
<b>Type of Assistance Provided</b>	Financial Assistance
<b>Restrictions</b>	You can find details on reporting, restrictions, and other information here: <a href="https://water.usgs.gov/wrri/files/Attachment-1-WRRA-Special-Terms-and-Conditions-4-22.pdf">https://water.usgs.gov/wrri/files/Attachment-1-WRRA-Special-Terms-and-Conditions-4-22.pdf</a>
<b>Funding Available</b>	\$1.5 million.
<b>Cost Sharing</b>	<p>A. Each applicant must match each federal dollar provided to support each proposed project with not less than one dollar from non-federal sources. States may have different guidelines as to the sources of matching funds. Please check with your institute director for details.</p> <p>B. Matching funds shall be obligated during the period of performance.</p> <p>C. The matching requirement should be met during each 12-month budget period.</p> <p>D. Matching funds obligated shall be reflected on line 10.i of each Financial Status Report, Standard Form 425.</p> <p>E. Matching funds may contain indirect costs and non-federal salaries and benefits. The applicant's negotiated indirect cost rate (NICR) may be applied to both qualifying federal and non-federal direct costs. The results may be used to satisfy part of the matching requirement under the non-federal share. The NICR shall not be applied to tuition and equipment costs. Per the Water Resources Research Act, federal funds shall not be used to pay indirect costs.</p>
<b>Website</b>	<a href="https://water.usgs.gov/wrri/">https://water.usgs.gov/wrri/</a>
<b>Contact Name</b>	Sara Roser
<b>Contact Address</b>	
<b>Contact Phone</b>	703-648-7357
<b>Contact Email</b>	<a href="mailto:srosier@usgs.gov">srosier@usgs.gov</a> <a href="mailto:gs-w.wrri.web.team@usgs.gov">gs-w.wrri.web.team@usgs.gov</a>
<b>Equity-focused Resource?</b>	No
<b>Equity Theme</b>	N/A

## About the Resource



Section 104 of the Water Resources Research Act of 1984 authorizes the Water Resources Research Act Program. The program is a federal-state partnership that:

- Researches aid to solve state and regional water problems.
- Promotes technology transfer and the sharing and applying of research results.
- Trains scientists and engineers through research.
- Lets grants be awarded under the Water Resources Research Act.

## **Case Study or Best Practice**

You can find the Water Resources Research Act's status, development opportunities, and priorities for 2020-2030 at: <https://pubs.er.usgs.gov/publication/cir1488>

## Disaster Loan Program

<b>Agency or Organization</b>	U.S. Small Business Administration (SBA)
<b>Resource Type</b>	Loan
<b>Hazard(s) Addressed</b>	Coastal Hazards; Drought; Earthquake; Flood; Extreme Heat; Soil/Geologic Hazards; Wildfire; Tornado; Severe Weather; Severe Winter Storms
<b>Eligible Applicants</b>	Businesses of all sizes, private nonprofit organizations, homeowners, and renters.
<b>Type of Assistance Provided</b>	Financial Assistance
<b>Restrictions</b>	Varies depending on the borrower. You can learn more here: <a href="https://disasterloanassistance.sba.gov/ela/s/article/Types-of-Disaster-Loans">https://disasterloanassistance.sba.gov/ela/s/article/Types-of-Disaster-Loans</a>
<b>Funding Available</b>	Businesses may borrow up to \$2 million. Homeowners may borrow up to \$200,000. These funds may be used to repair/replace a disaster-damaged private residence. Homeowners and renters may borrow \$40,000 to repair/replace damaged personal property.
<b>Cost Sharing</b>	N/A
<b>Website</b>	<a href="https://disasterloanassistance.sba.gov/ela/s/">https://disasterloanassistance.sba.gov/ela/s/</a>
<b>Contact Name</b>	Michael Lampton
<b>Contact Address</b>	233 Peachtree Center Avenue NE #1900 Atlanta, GA 30303
<b>Contact Phone</b>	404-331-0333 ext. 2177
<b>Contact Email</b>	Michael.Lampton@sba.gov
<b>Equity-focused Resource?</b>	No
<b>Equity Theme</b>	N/A

## About the Resource

The SBA gives low-interest disaster loans to businesses, private nonprofits, homeowners and renters. SBA disaster loans can help to fix or replace items that were damaged or destroyed in a disaster. Those items include real estate, personal property, machinery and equipment, and inventory and business assets.

## Case Study or Best Practice

SBA's Disaster Loan Program was a large provider of post-Sandy disaster loans. Because of the high number of loans, Congress passed the Disaster Relief Appropriations Act of 2013. The Act gave \$779 million to the SBA for disaster assistance. SBA gave different loans, depending on the applicant's homeowner and business loans.

You can learn more about this case study at: <https://www.cpajournal.com/2016/11/23/small-business-administrations-hurricane-sandy-disaster-loan-program/>

## Multi-Family Housing Programs

<b>Agency or Organization</b>	USDA Rural Development Department
<b>Resource Type</b>	Grant, Loan, Technical
<b>Hazard(s) Addressed</b>	Flood; Severe Weather
<b>Eligible Applicants</b>	Most state and local government entities, nonprofit organizations, and federally recognized tribes.
<b>Type of Assistance Provided</b>	Financial Assistance
<b>Restrictions</b>	Varies by program; restricted to multi-family housing projects.
<b>Funding Available</b>	Varies by program.
<b>Cost Sharing</b>	Not specified.
<b>Website</b>	<a href="https://www.rd.usda.gov/programs-services/multi-family-housing-programs">https://www.rd.usda.gov/programs-services/multi-family-housing-programs</a>
<b>Contact Name</b>	Fallen Faulkner
<b>Contact Address</b>	1400 Independence Avenue SW Washington, DC 20250
<b>Contact Phone</b>	615-812-0050
<b>Contact Email</b>	fallan.faulkner@usda.gov
<b>Equity-focused Resource?</b>	Yes
<b>Equity Theme</b>	Vulnerable Communities, Accessibility

## About the Resource

Multi-Family Housing assists rural property owners through loans, loan guarantees, and grants. These grants help owners develop and rehabilitate properties for low-income, elderly, and disabled individuals and families as well as domestic farm laborers.

## Case Study or Best Practice

No case study or best practice identified.

## Climate Adaptation Fund

<b>Agency or Organization</b>	Wildlife Conservation Society (WCS)
<b>Resource Type</b>	Private - Other
<b>Hazard(s) Addressed</b>	Coastal Hazards; Drought; Earthquake; Flood; Extreme Heat; Soil/Geologic Hazards; Wildfire; Tornado; Severe Weather; Severe Winter Storms
<b>Eligible Applicants</b>	Unknown.
<b>Type of Assistance Provided</b>	Financial Assistance
<b>Restrictions</b>	Unknown.
<b>Funding Available</b>	Unknown.
<b>Cost Sharing</b>	Unknown.
<b>Website</b>	<a href="https://www.wcsclimateadaptationfund.org/">https://www.wcsclimateadaptationfund.org/</a>
<b>Contact Name</b>	Elizabeth Tully, Climate Adaptation Fund Associate Director
<b>Contact Address</b>	
<b>Contact Phone</b>	
<b>Contact Email</b>	Contact via form: <a href="https://www.wcsclimateadaptationfund.org/supported-projects">https://www.wcsclimateadaptationfund.org/supported-projects</a>
<b>Equity-focused Resource?</b>	No
<b>Equity Theme</b>	N/A

## About the Resource

The WCS Climate Adaptation Fund gives grants to conservation nonprofits across the United States. These grants advance new, scientific projects that respond to the impact of climate change on people and wildlife.

## Case Study or Best Practice

You can find a database of supported projects at: <https://www.wcsclimateadaptationfund.org/supported-projects-1>

## Fire Management Assistance Grants (FMAG)

<b>Agency or Organization</b>	Federal Emergency Management Agency (FEMA)
<b>Resource Type</b>	Grant
<b>Hazard(s) Addressed</b>	Wildfire
<b>Eligible Applicants</b>	State, local, and tribal governments.
<b>Type of Assistance Provided</b>	Financial Assistance
<b>Restrictions</b>	Learn more about ineligible costs and other grant information at <a href="https://www.fema.gov/sites/default/files/documents/fema_fmaggpg_063121.pdf">https://www.fema.gov/sites/default/files/documents/fema_fmaggpg_063121.pdf</a>
<b>Funding Available</b>	Unknown.
<b>Cost Sharing</b>	Unknown.
<b>Website</b>	<a href="https://www.fema.gov/assistance/public/fire-management-assistance">https://www.fema.gov/assistance/public/fire-management-assistance</a>
<b>Contact Name</b>	Amanda Ratliff
<b>Contact Address</b>	536 S. Clark Street Chicago, IL 60605
<b>Contact Phone</b>	312-408-5500
<b>Contact Email</b>	Amanda.Ratliff@fema.dhs.gov
<b>Equity-focused Resource?</b>	Yes
<b>Equity Theme</b>	Federal Initiatives

### About the Resource

Fire Management Assistance Grant (FMAG) program is available to states, local and tribal governments. It supports the mitigation, management, and control of fires on publicly or privately owned forests or grasslands. Such fires threaten destruction that would constitute a major disaster.

### Case Study or Best Practice

None identified.

## Coastal Zone Management Habitat Protection and Restoration Grants

<b>Agency or Organization</b>	National Oceanic and Atmospheric Administration (NOAA)
<b>Resource Type</b>	Grant
<b>Hazard(s) Addressed</b>	Coastal Hazards; Storms; Flood; Erosion
<b>Eligible Applicants</b>	Coastal Zone Management (CZM) programs will serve as the main applicant. However, funding may be passed through to other non-federal public partners located within coastal zone management boundaries or coastal watershed counties.
<b>Type of Assistance Provided</b>	Financial Assistance
<b>Restrictions</b>	Projects must be within the coastal zone management boundary or coastal watershed county. Eligible project types include: habitat restoration; habitat restoration planning, engineering, and design; ecosystem conservation; and program capacity support.
<b>Funding Available</b>	\$200,000-\$6 million (based on project type).
<b>Cost Sharing</b>	Encouraged but not required.
<b>Website</b>	<a href="https://www.noaa.gov/infrastructure-law/infrastructure-law-climate-ready-coasts/coastal-zone-management">https://www.noaa.gov/infrastructure-law/infrastructure-law-climate-ready-coasts/coastal-zone-management</a>
<b>Contact Name</b>	Betsy Nicholson
<b>Contact Address</b>	
<b>Contact Phone</b>	
<b>Contact Email</b>	betsy.nicholson@noaa.gov
<b>Equity-focused Resource?</b>	No
<b>Equity Theme</b>	N/A

### About the Resource

The Bipartisan Infrastructure Law will fund competitive and non-competitive grants. These grants protect, restore, and conserve ecologically significant coastal habitats. The projects will help communities grow resilience to natural hazards like storms, floods, erosion, tsunamis, sea level rise, and lake level changes. The program also provides increased support for vulnerable and historically underserved communities.

### Case Study or Best Practice

None identified.

## Watershed and Flood Prevention Operations (WFPO)

<b>Agency or Organization</b>	U.S. Department of Agriculture (USDA)
<b>Resource Type</b>	Grant, Technical
<b>Hazard(s) Addressed</b>	Flood Erosion
<b>Eligible Applicants</b>	Local and tribal governments.
<b>Type of Assistance Provided</b>	Technical assistance, Financial assistance
<b>Restrictions</b>	Project criteria: - Public sponsorship. - Watershed projects less than or equal to 250,000 acres. - Agricultural benefits must be 20% or greater of total benefits for the project. This includes rural communities.
<b>Funding Available</b>	Unknown.
<b>Cost Sharing</b>	Unknown.
<b>Website</b>	<a href="https://www.nrcs.usda.gov/programs-initiatives/watershed-and-flood-prevention-operations-wfpo-program">https://www.nrcs.usda.gov/programs-initiatives/watershed-and-flood-prevention-operations-wfpo-program</a>
<b>Contact Name</b>	Find your Local Servicer Center at <a href="https://www.nrcs.usda.gov/programs-initiatives/watershed-and-flood-prevention-operations-wfpo-program#contact">https://www.nrcs.usda.gov/programs-initiatives/watershed-and-flood-prevention-operations-wfpo-program#contact</a>
<b>Contact Address</b>	
<b>Contact Phone</b>	
<b>Contact Email</b>	
<b>Equity-focused Resource?</b>	Yes
<b>Equity Theme</b>	Vulnerable Communities

## About the Resource

The WFPO program provides technical and financial assistance to states, local governments and tribes. It helps them plan and carry out authorized watershed project plans that support:

- Flood prevention.
- Watershed protection.
- Public recreation.
- Public fish and wildlife.
- Agricultural water management.
- Municipal and industrial water supply.
- Water quality management.
- Watershed structure rehabilitation (There is a separate program that manages rehabilitation projects).

## Case Study or Best Practice

None identified.



## America the Beautiful Challenge

<b>Agency or Organization</b>	National Fish and Wildlife Foundation (NFWF)
<b>Resource Type</b>	Grant
<b>Hazard(s) Addressed</b>	Flood Drought
<b>Eligible Applicants</b>	State, local, and tribal governments; non-profits.
<b>Type of Assistance Provided</b>	Financial assistance
<b>Restrictions</b>	<p>Federal funds and matching contributions may not be used to procure or obtain equipment, services, or systems (including entering into or renewing a contract) that uses telecommunications equipment or services produced by Huawei Technologies Company or ZTE Corporation (or any subsidiary or affiliate of such entities) as a substantial or essential component, or as critical technology of any system. Refer to Public Law 115-232, section 889 to learn more.</p> <p>Program funds and matching contributions may not be used to support political advocacy, fundraising, lobbying, litigation, terrorist activities or Foreign Corrupt Practices Act violations.</p> <p>Federal funds may not be used to support ongoing efforts to comply with legal requirements. This includes permit conditions, mitigation, and settlement agreements. However, grant funds may be used to support projects that enhance existing baseline compliance efforts.</p>
<b>Funding Available</b>	<p>Implementation Grants: \$1 million to \$5 million.</p> <p>Planning Grants: \$200,000 to \$2 million.</p> <p>Sentinel Landscape Grants: \$250,000 to \$1.5 million.</p> <p>National Forest Grants: \$250,000 to \$1.5 million.</p>
<b>Cost Sharing</b>	Varies by grant category.
<b>Website</b>	<a href="https://www.nfwf.org/programs/america-beautiful-challenge?activeTab=tab-3">https://www.nfwf.org/programs/america-beautiful-challenge?activeTab=tab-3</a>
<b>Contact Name</b>	Blake Gardiner
<b>Contact Address</b>	1133 Fifteenth St. N.W. Suite 1000 Washington, DC 20005
<b>Contact Phone</b>	202-857-0166
<b>Contact Email</b>	Blake.Gardiner@nfwf.org
<b>Equity-focused Resource?</b>	Yes
<b>Equity Theme</b>	Cultural/Indigenous Knowledge

## About the Resource

This program's goal is to streamline grant funding opportunities for new conservation and restoration projects around the U.S. It consolidates funding from multiple federal agencies and the private sector to help applicants conceive and develop large-scale projects. Such projects must address shared funder priorities. They span public and private lands.

## Case Study or Best Practice

None identified.

## Earthquake Hazards Program External Research Support

<b>Agency or Organization</b>	U.S. Geological Survey (USGS)
<b>Resource Type</b>	Technical
<b>Hazard(s) Addressed</b>	Earthquake
<b>Eligible Applicants</b>	Generally, research institutions.
<b>Type of Assistance Provided</b>	Technical Assistance
<b>Restrictions</b>	You can learn more about the program and restrictions at: <a href="https://www.usgs.gov/office-of-acquisition-and-grants">https://www.usgs.gov/office-of-acquisition-and-grants</a>
<b>Funding Available</b>	\$4 million total.
<b>Cost Sharing</b>	Not required.
<b>Website</b>	<a href="https://www.usgs.gov/programs/earthquake-hazards/science/external-grants-overview">https://www.usgs.gov/programs/earthquake-hazards/science/external-grants-overview</a>
<b>Contact Name</b>	Nancy Stremple, National Urban and Community Forestry Specialist
<b>Contact Address</b>	USDA Forest Service 201 14th St. SW, Sidney Yates Bldg. 3SC-01B Washington, DC 20024
<b>Contact Phone</b>	202-205-7829
<b>Contact Email</b>	<a href="mailto:nancy.stremple@usda.gov">nancy.stremple@usda.gov</a>
<b>Equity-focused Resource?</b>	No
<b>Equity Theme</b>	N/A

### About the Resource

The USGS supports research that helps to meet the goals of the Earthquake Hazards Program. The goal is to mitigate earthquake losses that can occur in many parts of the nation. It does so through earth science data and assessments. Those are needed for land-use planning, engineering design, and emergency readiness.

### Case Study or Best Practice

None identified.



## Comment Form

Use this form to provide a comment or more information for the Mitigation Assistance Resource Guide. Once you have provided your comment(s) in this form, click “Submit the Form”.

### New Resource or Existing Resource in the Guide?

New

Existing

### Name of the Resource

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### More Information or Comment

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