

Federal Roundtable and Partnerships

BRIC and FMA Program Webinar Series | October 13, 2021



FEMA



Agenda

- **Introduction**
Ryan Janda, FEMA
- **Building Resilient Infrastructure and Communities (BRIC) Program and Partnerships**
Josh Human, FEMA
- **Readiness and Environmental Protection Integration (REPI) Program Overview**
Andy Porth, Office of the Assistant Secretary of Defense
- **U.S. Department of Energy (DOE): Tribal, State, and Local Energy Resilience Programs**
Tommy Jones and Virginia Castro, U.S. DOE
- **U.S. Environmental Protection Agency (EPA) Resilience Activities and Partnerships**
Abby Hall, U.S. EPA
- **Community Development Block Grants for Disaster Recovery and Mitigation**
Robin Keegan, U.S. Department of Housing & Urban Development
- **Panel Discussion**

Introduction to BRIC Program and Partnerships

Josh Human, FEMA



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BRIC's Guiding Principles

-  Support Community Capability & Capacity Building
-  Encourage and Enable Innovation
-  Promote Partnerships
-  Enable Large Infrastructure Projects
-  Maintain Flexibility
-  Provide Consistency



BRIC Priorities

- Mitigate the risk to public infrastructure
- Incentivize resilient investments in disadvantaged communities, as referenced in EO 14008 (Tackling the Climate Crisis at Home and Abroad)
- Mitigate risk to one or more community lifelines
- Incorporate nature-based solutions
- Enhance climate resilience and adaptation
- Incentivize the adoption and enforcement of the latest published editions of building codes

BRIC encourages mitigation projects that meet multiple program priorities

FY 2021 BRIC – Available Funding



\$1 Billion

- **State/Territory Allocation: \$56 million** (up to \$1 million per Applicant)
 - All 50 states, the District of Columbia, and U.S. territories may apply under the State/Territory Allocation
 - Any funds not awarded from the State/Territory Allocation will be re-allocated to the national competition
- **Tribal Set-Aside: \$25 million**
 - All Indian tribal governments (federally recognized) may apply under the Tribal Set-Aside
 - Any funds not awarded from the Tribal Set-Aside will be re-allocated to the non-financial Direct Technical Assistance for tribes or the national competition
- **National Competition for Mitigation Projects: \$919 million** (estimated)



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BRIC Capability- and Capacity- Building Activities



FY 2021 BRIC – Direct Technical Assistance

Double the number of communities supported through Direct Technical Assistance

Non-financial Direct Technical Assistance will be provided to up to **20 selected communities** to support the mitigation outcomes listed below:



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Partnership Framework

Partnership Guiding Principles:



Support Community Capability & Capacity Building

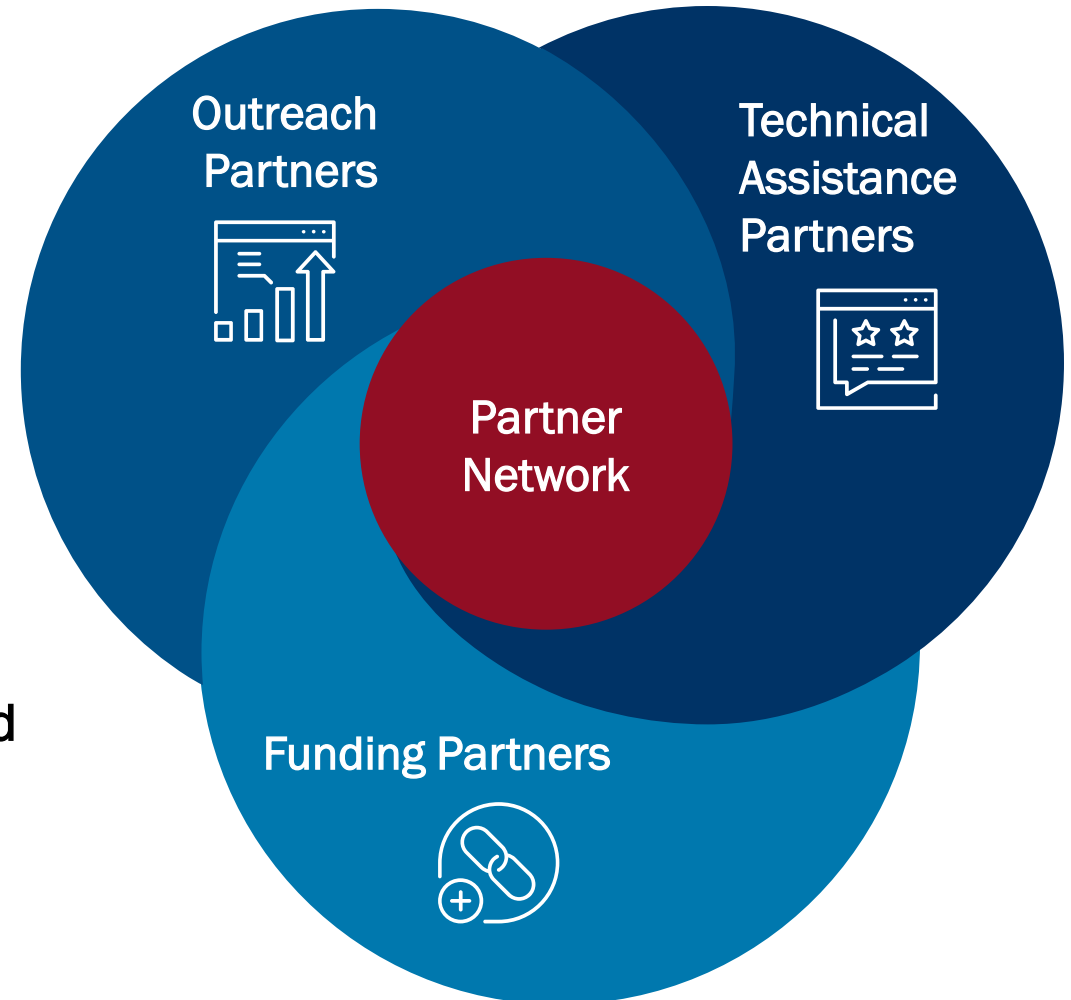


Promote Partnerships



Identify Funding Avenues

Partnering with other **federal agencies and state, local, tribal, and territorial governments, the private sector and non-governmental organizations** amplifies mitigation investment and its effects



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Readiness and Environmental Protection Integration (REPI) Program Overview

Andy Porth, Office of the Assistant Secretary of Defense



FEMA



REPI

READINESS AND ENVIRONMENTAL
PROTECTION INTEGRATION PROGRAM



Readiness and Environmental Protection Integration (REPI) Program Overview

FEMA Federal Agency Roundtable and Partnerships

October 13, 2021



Sustaining DoD's Mission

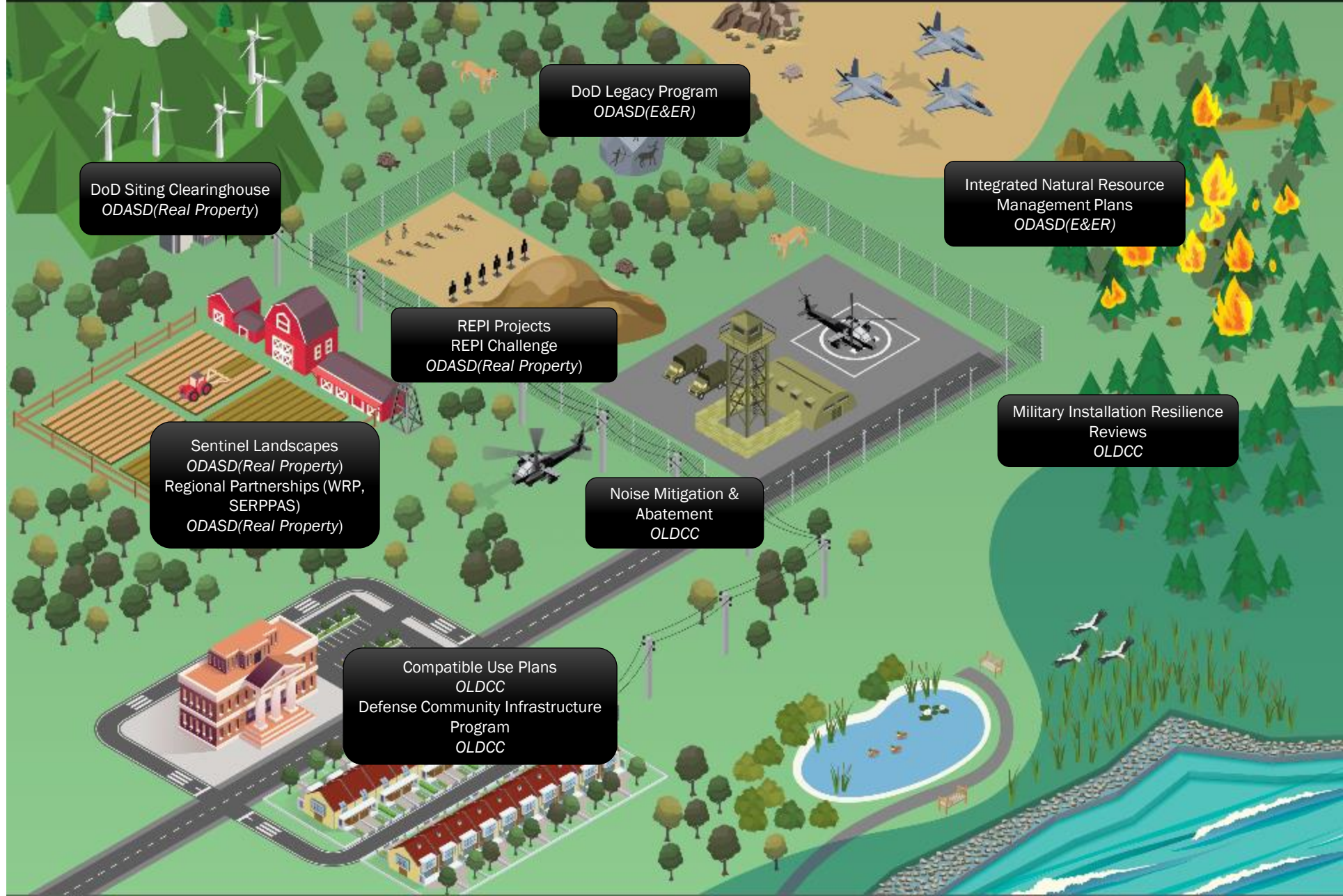
Most DoD installations and ranges were once located in open, undeveloped landscapes that were compatible with our testing, training, and operational missions





Sustaining DoD's Mission — Sustainment Programs and Tools

An installation or partner organization can leverage several programs and tools to best address the identified threats



DoD Legacy Program
ODASD(E&ER)

DoD Siting Clearinghouse
ODASD(Real Property)

Integrated Natural Resource
Management Plans
ODASD(E&ER)

REPI Projects
REPI Challenge
ODASD(Real Property)

Sentinel Landscapes
ODASD(Real Property)
Regional Partnerships (WRP,
SERPPAS)
ODASD(Real Property)

Noise Mitigation &
Abatement
OLDC

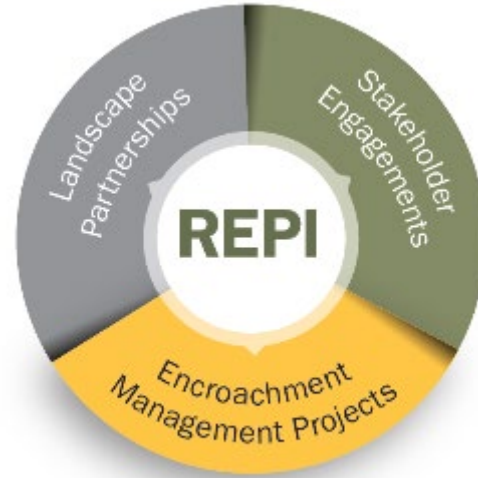
Military Installation Resilience
Reviews
OLDC

Compatible Use Plans
OLDC
Defense Community Infrastructure
Program
OLDC

REPI Program Components

Landscape Partnerships (\$\$)

- Sentinel Landscapes (sentinellandscapes.org)
- Southeast Regional Partnership for Planning and Sustainability (serppas.org)
- Western Regional Partnership (wrpinfo.org)
- Americas Longleaf Restoration Initiative (americaslongleaf.org)



Stakeholder Engagements (\$)

- Internal DoD coordination and collaboration – DoD Natural Resource and Water Resources & Resilience Programs, Office of Local Defense Community Coordination, Military Departments, etc.
- External coordination and collaboration with Federal agencies, State agencies, Local communities, NGOs, Academic Institutions, Foundations, etc.

Encroachment Management Projects (\$\$\$)

- Installation and range level implementation
- Installation resilience justification (added in the FY19 National Defense Authorization Act)
- Matching funds from **ANY** conservation or resilience program of **ANY** federal agency



REPI Project Locations

DoD has leveraged \$1 billion with over \$975 million in non-Department partner contributions to protect 757K acres of land, safeguarding vital test, training, and operational assets and capabilities in 115 locations in 35 states and territories.

Guam:

Guam Region-Wide Project

Alaska:

Ft. Wainwright
Eielson AFB
Joint Base Elmendorf-Richardson

California Inset:

Camp Roberts
Camp San Luis Obispo
Vandenberg AFB
NB Ventura County
MCB Camp Pendleton
MCAS Miramar
NB Coronado
Camp Michael Monsoor
Edwards AFB

Hawaii:
PMRF
Barking Sands
U.S. Army Garrison Hawaii
MCB Hawaii
Joint Base Pearl Harbor-Hickam
Wahiawa Annex

California Inset:
NAWS China Lake
Camp Navajo
NO Flagstaff
MCAGCC Twentynine Palms
Chocolate Mountain
Aerial Gunnery Range
El Centro Range Complex
MCAS Yuma and BMGR-W
Davis-Monthan AFB
Ft. Huachuca

Virginia and Maryland Inset:
NSF Indian Head
Aberdeen Proving Ground
Atlantic Test Ranges
Joint Base Andrews
NAS Patuxent River
NSA Annapolis
NSF Dahlgren
NWS Yorktown
Joint Base Langley-Eustis
NAS Oceana
NSA Hampton Roads Northwest Annex

Other locations on map:
NB Kitsap, NAVMAG Indian Island
NAS Whidbey Island
OLF Coupeville
Fairchild AFB
ARD Bayview
Camp Rilea
Joint Base Lewis-McChord
NWSTF Boardman
Fort Harrison, Limestone Hills
Camp Ripley
Ellsworth AFB
Beale AFB
NAS Fallon
Fallon Range Training Complex
Hill AFB
Camp Williams
Travis AFB
NAS Lemoore
U.S. Air Force Academy
Buckley AFB
Ft. Carson
Ft. Riley
NSA Crane-Lake Glendora
Scott AFB
Ft. Knox
Ft. Custer
NSY Portsmouth SERE School
Ft. Drum
99th Armed Forces Reserve Center
Joint Base McGuire-Dix-Lakehurst
NWS Earle Warren Grove Range
Dare County Bombing Range
MCAS Cherry Point
Piney Island Bombing Range
MCB Camp Lejeune, MCAS New River
Joint Base Charleston
MCAS Beaufort
Ft. Stewart
Townsend Bombing Range
NSB Kings Bay
OLF Whitehouse
NS Mayport
NAS Jacksonville
Camp Blanding
Cape Canaveral AFS
Avon Park AFR
Robins AFB
FL Benning
FL Gordon
MAJIC
Ft. Bragg USASOC
Ft. Bragg
Camp Butner
Ft. Indiantown Gap
Ft. Campbell
Ft. Sill
Altus AFB
Melrose AFR
White Sands Missile Range
Ft. Hood
FL Polk
Camp Swift
NAS JRB New Orleans
NCBC Gulfport
Tyndall AFB
Eglin AFB
NAS Whiting Field
NAS Pensacola



Relevant REPI Authorities

10 U.S.C. § 2684a

- Allows the recipient of REPI funds to acquire real property interests or water rights for property in the vicinity of, or ecologically related to, a military installation, range or airspace to:
 1. Limit development or use of the property that is incompatible with the installation's mission and/or
 2. Preserve habitat to relieve current or anticipated environmental restrictions on military activities and/or
 3. Maintain or improve military installation resilience

10 U.S.C. § 2684a(h): DoD Funds as Match Authority

- Allows the recipient of REPI funds to use such funds as the match or cost-sharing requirement for **ANY** conservation or resilience program of **ANY** federal agency (including the BRIC Program)

10 U.S.C. § 2679: Intergovernmental Support Agreement (IGSA)

- Authorizes the Military Departments to enter into agreements with eligible entities to provide, receive, or share installation support activities



UNITED STATES DEPARTMENT OF DEFENSE

REPI READINESS AND ENVIRONMENTAL
PROTECTION INTEGRATION PROGRAM



REPI Budget

Fiscal Year 2022 Budget

- The official President's Fiscal Year 2022 budget request for REPI is \$150 million.

2022 REPI Challenge

- Up to \$40 million is available for the 2022 REPI Challenge application cycle; \$25 million of that total may be allocated toward climate resilient projects
- Any state government, political subdivision of a state, or private entity whose organizational purpose or goal is conservation, restoration or preservation of land and natural resources are welcome to apply



NWS Earle received FY20 REPI Challenge funding to execute a variety of resiliency initiatives across 1.6 million acres.



UNITED STATES DEPARTMENT OF DEFENSE

REPI READINESS AND ENVIRONMENTAL
PROTECTION INTEGRATION PROGRAM



REPI and FEMA Coordination

DoD Funds as Match Authority

- REPI funds can be used to satisfy the BRIC Program's 25% or 10% cost sharing requirement

Military Service Engagement

- The REPI Office continues to promote the BRIC Program through direct engagement with the Military Services

2022 REPI Challenge Request for Proposals

- Highly evaluated proposals will leverage other federal, state, and non-profit resilience programs that help build capacity and implement natural infrastructure solutions



Marines at Camp Pendleton, CA conducted a realistic training exercise to increase unit preparation for future challenges across air, land, sea, space and cyber domains.



UNITED STATES DEPARTMENT OF DEFENSE

REPI READINESS AND ENVIRONMENTAL
PROTECTION INTEGRATION PROGRAM





REPI

READINESS AND ENVIRONMENTAL
PROTECTION INTEGRATION PROGRAM



For more information:

Andy Porth

Director Resources

Office of the Assistant Secretary of Defense (Sustainment)

andrew.m.porth.civ@mail.mil

www.repi.mil

U.S. Department of Energy: Tribal, State, and Local Energy Resilience Programs

Tommy Jones and Virginia Castro, U.S. Department of Energy



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DOE OFFICE OF INDIAN ENERGY

DOE Indian Energy Program Overview

Dr. Tommy Jones, Deployment Specialist



Office of Indian Energy



The DOE Office of Indian Energy is charged by Congress under the **Indian Tribal Energy Development and Self Determination Act of 2005** (Energy Policy Act of 2005 (EPAAct 2005), Title V, codified at 42 USC § 15801) to “provide, direct, foster, coordinate, and implement energy planning, education, management, conservation, and delivery programs that –

- (1) **promote Indian tribal energy development, efficiency, and use;**
- (2) **reduce or stabilize energy costs;**
- (3) **enhance and strengthen Indian tribal energy and economic infrastructure** relating to natural resource development and electrification; and
- (4) **bring electrical power and service to Indian land and the homes** of tribal members located on Indian lands or acquired, constructed, or improved (in whole or in part) with Federal funds.”

Deployment Program



Financial Assistance

We facilitate tribal energy project development through financial assistance (competitively awarded grants).



Technical Assistance

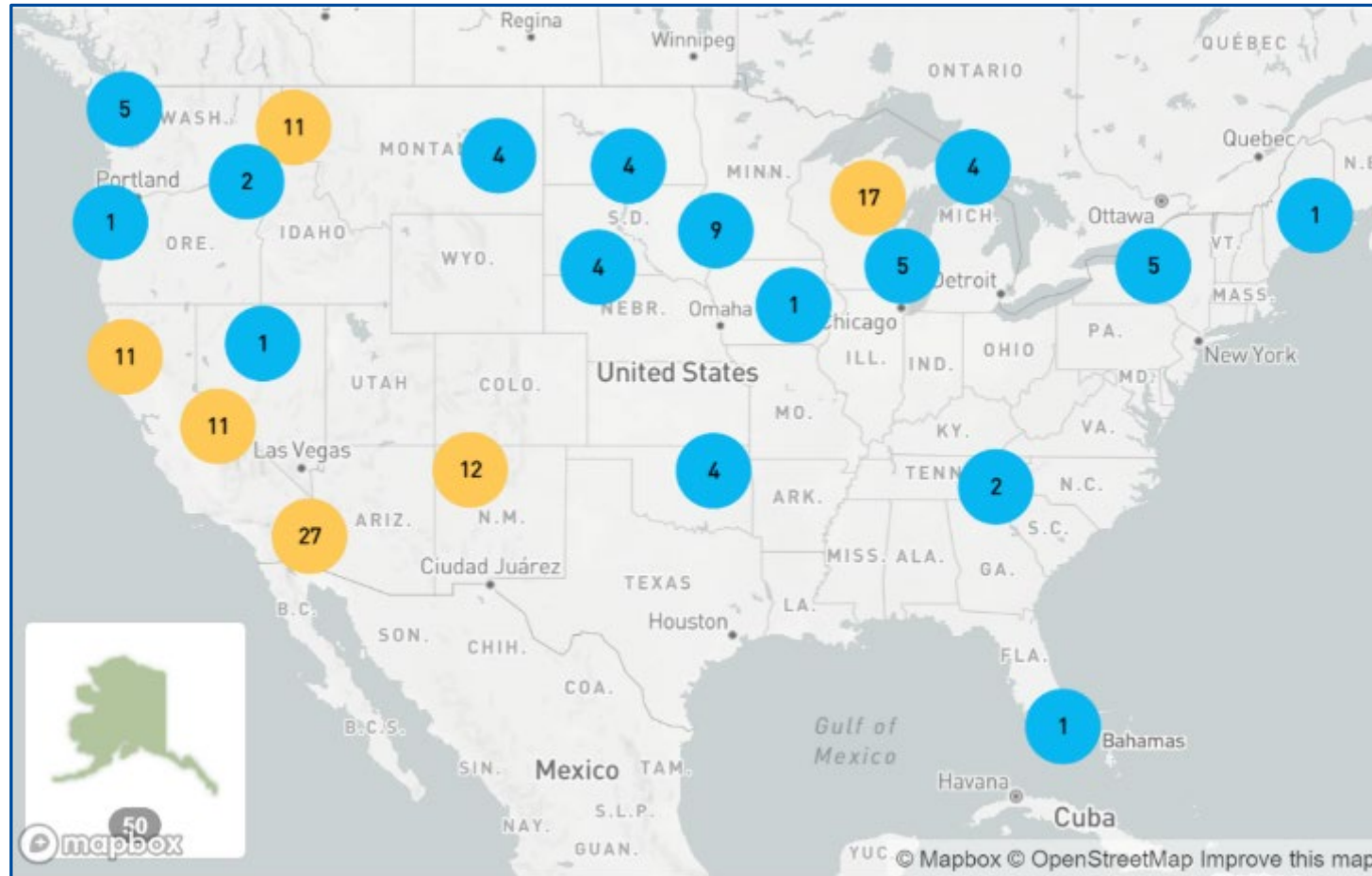
We provide federally recognized Indian tribes, including Alaska Native villages, regional and village corporations, tribal energy resource development organizations, and other tribal groups and communities, with technical assistance to advance tribal energy and infrastructure projects, at no charge.



Education and Capacity Building

Thorough regional workshops, webinars, and college student internships, we support tribal efforts to build internal capacity to develop energy projects and navigate energy markets.

Invested over \$100 million in more than 190 tribal energy projects valued at over \$180 million (2010-2020)



Annual Program Review

Unique Tribal Forum for Sharing and Learning

- Forum for Tribes to meet and learn from other each other and to share their successes and challenges
- Networking & learning opportunity
- Hear about 40 to 50 Tribal energy from across the country
- ~200 participants



Sheraton Denver West Hotel in Lakewood, Colorado

For more, see <https://www.energy.gov/indianenergy/projects/program-review>

Funding Resources

- Current Funding Opportunities**
 List of open tribal energy related funding opportunities from federal agencies and other sources
- Ongoing Opportunities**
 Ongoing federal grant, loan, and technical assistance programs available from more than 10 federal agencies to support energy development and deployment in Indian Country and Alaska Native villages.

<http://energy.gov/indianenergy>

Ongoing Funding Opportunities

Office of Indian Energy Policy and Programs • Ongoing Funding Opportunities

This table provides information on funding, financing, and incentives for tribal energy development and deployment from the U.S. Department of Energy (DOE) and other federal agencies and entities.

Also, see information about current funding opportunities and the Office of Indian Energy's past funding opportunities.

For other assistance, see technical assistance. For policies and financial incentives by state, visit DSIREP.

SEARCH: SEARCH RESULTS

Type of Assistance:

Showing 1 to 10 of 43 entries

ID	TITLE OF ASSISTANCE	SUBJECT
2014	Federally recognized Tribes and tribal governments. Make the use and deployment of tribal energy resources more efficient and effective. Tribal energy resources include geologic, hydroelectric, wind, solar, and other renewable energy resources. Tribal energy resources include geologic, hydroelectric, wind, solar, and other renewable energy resources.	Federally recognized Tribes and tribal governments. Make the use and deployment of tribal energy resources more efficient and effective. Tribal energy resources include geologic, hydroelectric, wind, solar, and other renewable energy resources. Tribal energy resources include geologic, hydroelectric, wind, solar, and other renewable energy resources.
2014	Indian Tribes including Alaska Native Villages and Alaska Native Development Organizations. Development Organizations.	Indian Tribes including Alaska Native Villages and Alaska Native Development Organizations. Development Organizations.
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Current Funding Opportunities

Office of Indian Energy Policy and Programs • Current Funding Opportunities

Current funding opportunities from federal agencies and other entities for tribal energy projects development and deployment.

Also, see information about other ongoing funding opportunities and the Office of Indian Energy's past funding opportunities.

For other assistance, see technical assistance. For policies and financial incentives by state, visit DSIREP.

CLOSE DATE	ORGANIZATION	OPPORTUNITY
7/28/21	DOE	<p>Tribal Energy Innovators Fellowship</p> <p>The Tribal Energy Innovators is designated for federally recognized tribal members who are interested, invested, and engaged in work which supports renewable energy infrastructure and tribal energy capacity building within a tribal community, tribally focused programming, and/or tribal organization. Tribal Energy resources Fellowship provides a mixture of research to permit and industry resources to federally recognized tribal members to support the development of innovative ideas and the use of problem-solving processes that lead to sustainable renewable energy solutions.</p> <p>The Fellowship runs from August 1, 2021 and July 31, 2022. Federally recognized tribal members who are interested, invested or engaged in work which supports tribal renewable energy infrastructure are welcome to apply. No prior renewable energy experience is required.</p>
7/28/21	USDA	<p>Rural Placemaking Innovation Challenge</p> <p>USDA is making up to \$5 million in cooperative agreements to help provide planning support, technical assistance, and financing to home placemaking activities in rural communities. Eligible entities may use the funds to help rural communities create plans to enhance capacity for broadband service, promote cultural and historic structures, and support development in transportation, housing, and recreational spaces.</p> <p>Eligible entities include federally recognized tribes, institutions of higher education, nonprofit organizations, and small government entities.</p>

Technical Assistance

The goal of technical assistance is to **address a specific challenge or fulfill a need that is essential** to a current project's successful implementation.

The intended result of this technical assistance is a **tangible product or specific deliverable** designed to help move a project forward.

<http://energy.gov/indianenergy>

“This is government money well spent. This assistance is **helping our people afford to live in the village**. Thank you!”

Types of Technical Assistance

Technical Analysis



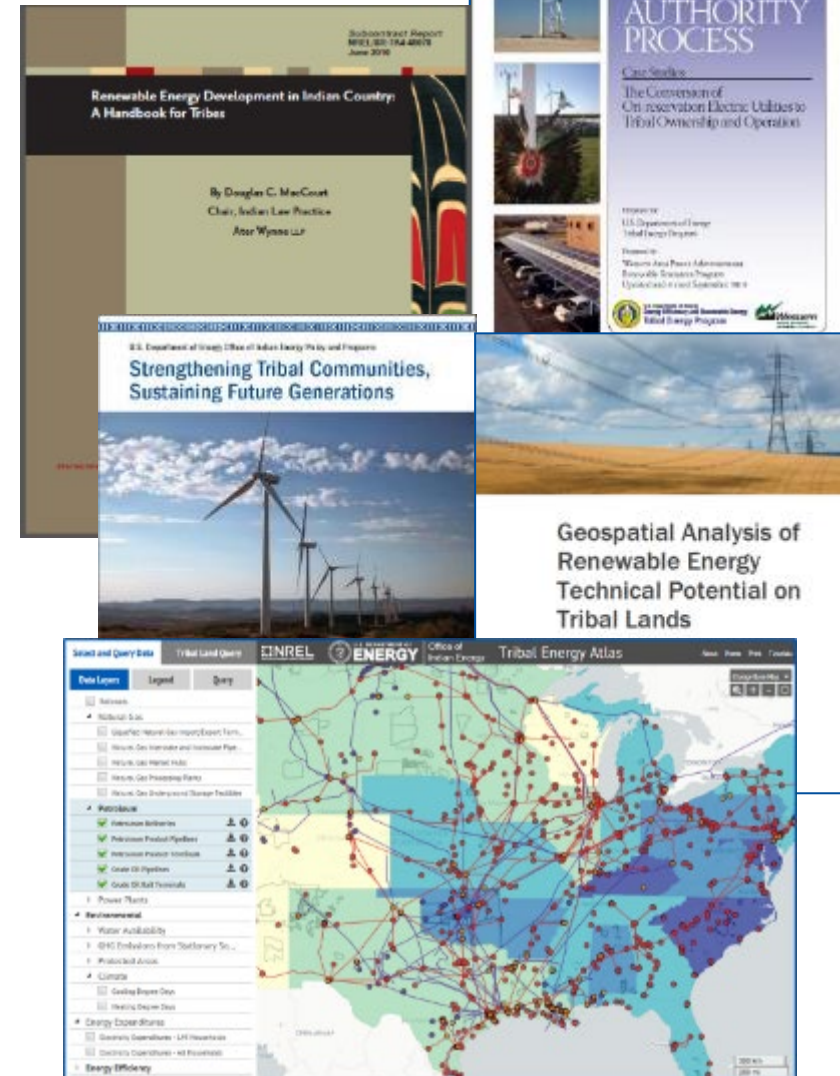
Financial Analysis



Strategic Energy Planning

Informational Resources

- **Information Resources**
 - **Energy Resource Library**
publications, websites, videos, and more.
 - **Curriculum Foundational and Advanced Courses**
Educational webinars
- **Workshops & Webinars**
 - **Monthly Webinars**
Monthly webinars provide foundational information, resources and case studies
 - **Periodic Workshops**
Workshop on specific topics
- **Tribal Energy Atlas**
 - **Interactive Geospatial Tool**



<http://energy.gov/indianenergy>

Assisting Tribes Achieve Their Energy Vision



Clockwise from top right: **Alaska Village Electric Cooperative, Inc. (AVEC)** and Bethel Native Corporation's (BNC) installed a 900 kW turbine to power the communities of Bethel and Oscarville, AK; **Northway Village (AK)** resiliency through energy efficiency and solar; **Soboba Band of Luiseño Indians (CA)** install 1 MW solar; **Menominee Tribal Enterprise (WI)** install a biomass combined heat and power system; **Picuris Pueblo (NM)** install 1MW solar; and in the middle, **Gwichyaa Zhee Gwich'in Tribal Government (AK)** installed 18 kW solar system on the Tribal Office.

Tommy Jones, Ph.D.
Deployment Specialist
U. S. Department of Energy
Office of Indian Energy

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Program Helpdesk
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Subscribe to “Get Our Email Updates”
<http://energy.gov/indianenergy>

DOE Weatherization & Intergovernmental Programs



Virginia Castro

Energy Project Officer
U.S. Department of Energy
State Energy Program
Virginia.castro@ee.doe.gov

Weatherization & Intergovernmental Programs

State Energy Program

SEP Provides funding and technical assistance to states, the District of Columbia, and U.S. territories to:

- Enhance energy security
- Advance state-led energy initiatives
- Increase energy affordability



For more information [Weatherization and Intergovernmental Programs Office | Department of Energy](#)

Weatherization Assistance Program

WAP provides formula funding to all states, the District of Columbia, Native American tribes, and U.S. territories to

Reduce energy costs for low-income households by increasing the energy efficiency of their homes, while ensuring their health and safety

 <p>Reduces energy burden for low-income families, who spend 14% of income on energy vs 3%</p>	 <p>\$583/year savings in pay per year due to fewer missed workdays</p>	 <p>\$514/year savings in a household's out-of-pocket medical expenses</p>
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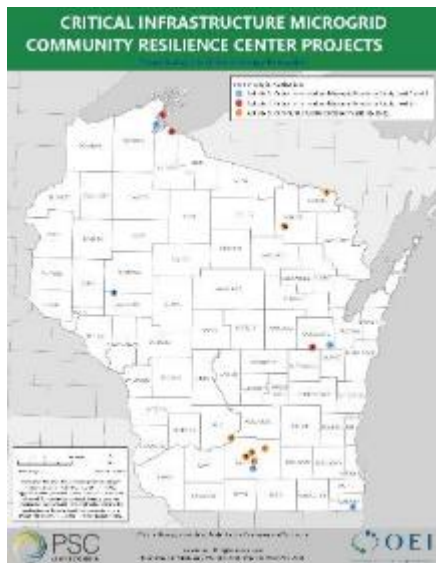
- **35,000** homes weatherized annually (10-year average)
- Develops and supports the workforce with over **8,500** direct and indirect jobs.
- Over **7 million** households have received weatherization services since WAP's inception.

SEP Project Example: WISCONSIN

Critical Infrastructure Microgrid and Community Resilience Centers Pilot Grant Program

Funding: \$985,000

Financial assistance program implemented by the Public Service Commission of Wisconsin's (Commission) Office of Energy Innovation (OEI).



Project Objectives:

innovative pre-disaster mitigation through critical infrastructure microgrids and other resilient building strategies for:

- Community Resilience Centers
- Single facility (Hospital)
- Multiple facilities (University campus)
- Advanced microgrid for multiple customers and sites :

16 Grantees: Local and Tribal Governments Participating

Statewide Assistance for Energy Reliability and Resiliency (SAFER2)

Funding: \$300,000

Partners: Wisconsin Emergency Management, Focus on Energy, Public Service Commission of Wisconsin, Wisconsin Clean Cities, Wisconsin Energy Institute.

Project Objectives: Provide technical assistance to local governments to advance energy resilience planning.

- Host regional educational roundtable events and cross-jurisdictional tabletop exercises.
- Develop an energy assurance website with resources for technical assistance.
- Create a local government Energy Resiliency Handbook.
- Make recommendations for energy technology integration into mitigation plans including: energy efficiency, renewable energy, micro-grids, and solar+storage on critical facilities

For more information visit <https://psc.wi.gov/Pages/Programs/OEI/Energy-Security.aspx>

Additional Resources

[DOE State and Local Solution Center](#)

Email Us: stateandlocal@ee.doe.gov

[State & Local Solution Center: Resilience in the Public Sector](#)

[Federal Financial Assistance Programs for Resilience Activities](#)

[Federal Resilience Resources for State Energy Offices](#)

[National Renewable Energy Laboratory State, Local, and Tribal Program](#)

[How Distributed Energy Resources Can Improve Resilience in Public Buildings: Three Case Studies and a Step-by-Step Guide](#)

[Better Buildings Efficiency-Resilience Nexus](#)

U.S. Environmental Protection Agency (EPA) Resilience Activities and Partnerships

Abby Hall, U.S. Environmental Protection Agency



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Memorandum of Agreement



FEMA

- Sets up **coordination of activities** between EPA's sustainable communities, smart growth, environmental, and community technical assistance programs and FEMA's disaster recovery planning and hazard mitigation programs.
- Seeks to provide **lessons learned for EPA, FEMA, and other federal agencies** that can be used to build a stronger federal framework for mitigation planning as well as pre- and post-disaster recovery planning and operations.
- Seeks to provide a collaborative framework for **policy work related to both hazard mitigation planning and climate change adaptation** to create more resilient communities.

EPA Expertise Related to Mitigation

EPA now has **Disaster Mitigation Coordinators**
and **Recovery Coordinators** in all 10 Regional Offices

- Debris planning & management
- Hazardous site cleanup
- Materials reuse & recycling
- Community engagement & environmental justice
- Climate adaptation
- Green infrastructure planning & design
- Water & wastewater infrastructure design
- Watershed protection
- NEPA review & environmental regulation
- Data analysis & mapping

EPA Tools & Guides



United States Environmental Protection Agency

EPA 231-R-17-001
January 2017
www.epa.gov/smartgrowth

SMART GROWTH FIXES FOR CLIMATE ADAPTATION AND RESILIENCE



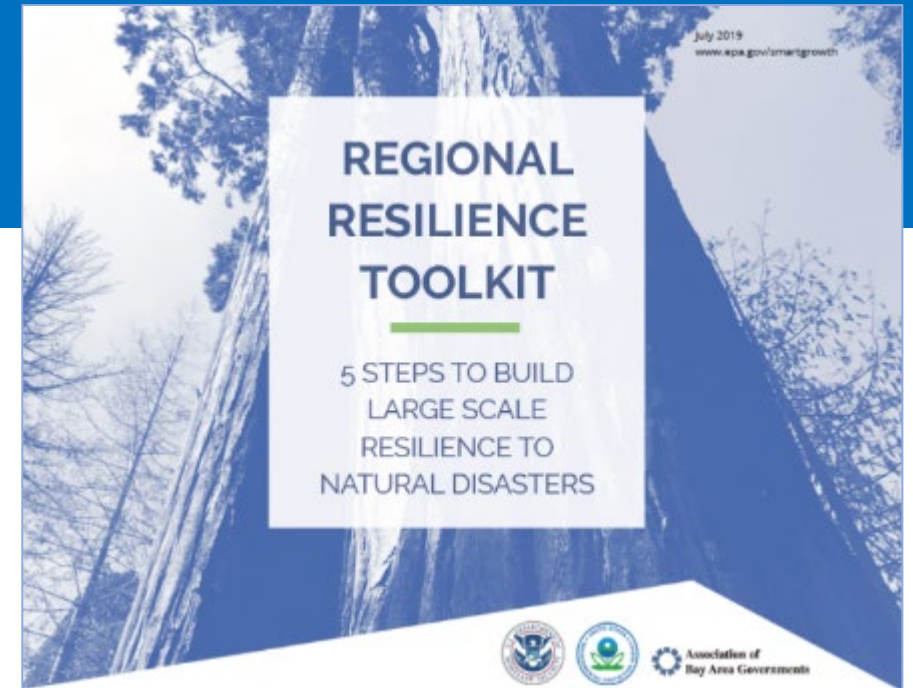
CHANGING LAND USE AND BUILDING CODES AND POLICIES TO PREPARE FOR CLIMATE CHANGE

Office of Sustainable Communities
Smart Growth Program

PLANNING FOR NATURAL DISASTER DEBRIS



April 2019
EPA 630-F-19-003



July 2019
www.epa.gov/smartgrowth

REGIONAL RESILIENCE TOOLKIT

5 STEPS TO BUILD LARGE SCALE RESILIENCE TO NATURAL DISASTERS



HAZARD MITIGATION FOR NATURAL DISASTERS

A Starter Guide for Water and Wastewater Utilities

Select a menu option below. New users should start with Overview Hazard Mitigation.



Overview Hazard Mitigation



Join Local Mitigation Efforts



Develop Mitigation Projects

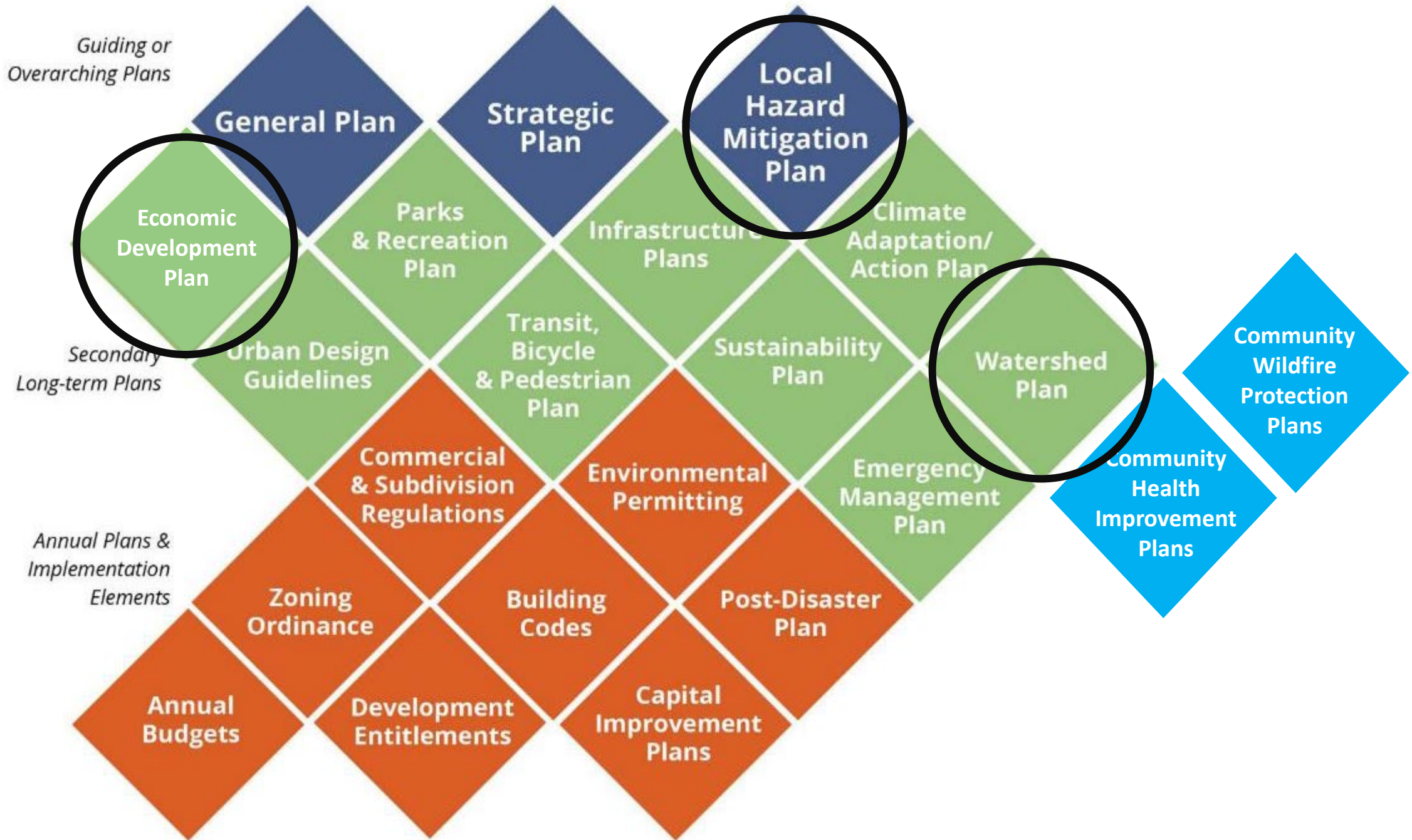


Implement and Fund Project



Mitigation Case Study





Building Blocks for Regional Resilience: Nolensville, TN

EPA is providing Nolensville with planning analyses and community development approaches that can:

- Mitigate flood risks
- Protect the integrity of Mill Creek and its tributaries
- Provide open space accessibility and connectivity, and
- Preserve the sense of place and community character of Nolensville.

DELIVERABLES
Environmental Conditions Assessment & Baseline Mapping
Resilience Focus Area Mapping
Overlay Proposed Developments & Resilience Focus Areas
Updates for Zoning Ordinance & Major Thoroughfare Plan

sitio 1

Después



U.S. EPA Greening America's Communities project in Caño Martín Peña

2018

Funding: EPA's State Revolving Loan Funds

- EPA-funded State Revolving Fund (SRF) program to assist and collaborate with FEMA disaster and mitigation assistance grant programs.
- Specifically, SRF can meet **cost sharing requirements** or provide interim financing for FEMA-funded projects.
- SRFs can be used a bridge loan or supplement until reimbursement by FEMA



Community Development Block Grants for Disaster Recovery and Mitigation

Robin Keegan, U.S. Department of Housing & Urban Development



FEMA



Community Development Block Grants for Disaster Recovery & Mitigation

How HUD funding can tackle the climate crisis and build resilient communities



Framing the Climate Crisis

The Climate Crisis

- The United States and the world face a profound climate crisis
- We have a narrow moment to pursue action in order to avoid the most catastrophic climate impacts and build a resilient America
- Tackling the climate crisis presents an opportunity to achieve HUD's mission of creating strong, sustainable, inclusive communities and quality affordable homes for all



Disproportionate impacts of climate change

Climate change disproportionately harms Americans who already suffer the burdens of systemic racism and residential segregation.

- Formerly redlined neighborhoods often have fewer trees and more pavement, leaving them hotter and more likely to flood
- Damages from extreme weather events have been shown to increase wealth inequality
- HUD is working hard to elevate equity in all our processes, from start to finish, to build a more equitable and resilient future for our nation's communities
- Our Community Development Block Grants for Disaster Recovery and Mitigation are a great example of these efforts





CDBG-DR & MIT Overview

Building Climate Resilience

- Community Development Block Grants help move the Administration's climate and equity goals forward
- CDBG-DR and CDBG-MIT grants allow American communities to:
 - Build back better after disasters, especially for low-income residents and historically marginalized communities
 - Proactively implement innovative climate adaptation solutions that will make their communities more resilient and equitable in the long-term



Community Development Block Grants for Disaster Recovery

CDBG-DR provides flexible grants to help cities, counties, and states to recover from Presidentially declared disasters, especially in low-income areas

- Congress may appropriate additional funding for the CDBG Program as Disaster Recovery grants to rebuild the affected areas and provide crucial seed money to start the recovery process

CDBG-DR focuses on long-term recovery efforts to help communities and neighborhoods that otherwise might not recover due to limited resources

- Last defense funding to address unmet need other federal programs have not yet addressed
- Can address restoration of infrastructure, housing recovery, economic development, and mitigation activities

NOTE: CDBG-DR is not a program – statutory authority is via individual supplemental appropriations





- CDBG-DR is one of the nation's largest climate adaptation programs focused exclusively on low- and moderate-income populations.
- Through CDBG-DR, HUD spends billions of dollars helping low-income communities respond to and recover from the most devastating disasters.
- HUD is also transforming traditional disaster recovery by investing in adaptation and resilience planning, assisting vulnerable communities to mitigate the impacts of natural disasters before they strike.

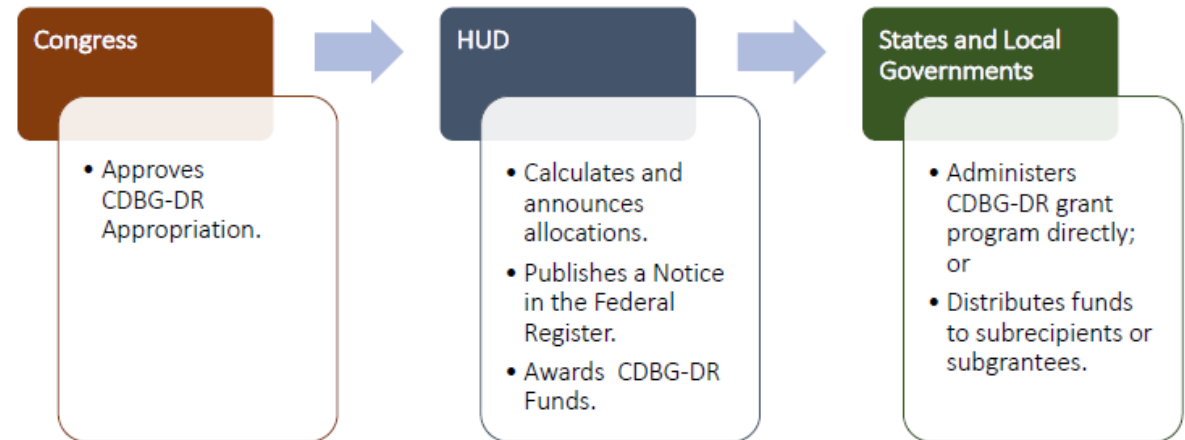


CDBG-DR Funding and Management

CDBG-DR Grant Portfolio (May 2021)

- 137 Grants
 - \$89.8 Billion Allocated
 - \$67 Billion in Active Grants
- 62 Active Grantees
 - 130 Active Grants

The Disaster is Presidentially Declared



National Disaster Resilience Competition / Rebuild by Design

Congress appropriated almost \$1 billion in CDBG funds for the National Disaster Resilience Competition for qualifying disasters in 2011 – 2013.

The program funded disaster recovery and long-term resilience.



Community Development Block Grant Mitigation

CDBG-MIT is a unique opportunity for grantees to use this assistance in areas impacted by recent disasters to mitigate disaster risks and reduce future losses from the increasing impacts of climate change

Congress appropriated more than \$12 billion in CDBG funds for mitigation activities for qualifying disasters in 2015, 2016, 2017, and 2018.

The program defines disaster mitigation as activities that:

- Increase resilience to disasters and reduce or eliminate the long-term risk of loss of life, injury, damage to and loss of property, and suffering and hardship by lessening the impact of future disasters





U.S. Department of Housing and Urban Development Community Resilience Toolkit

Learn how current and future natural hazard risks might affect your community, and actions you can take to reduce those risks.

Resilience Toolkit

To further address the disproportionate impact of climate change on our most vulnerable communities, HUD is building our library of climate resources to better support the communities we serve.

HUD's [Community Resilience toolkit](#) is designed to help governments, stakeholders, and residents learn about actions they can take to defend themselves against natural hazards like heat, wildfires, droughts, and floods.



Case Studies

- Collaboration and Coordination
- Economic Resilience



Lafourche Parish, Louisiana (NDRC)

Resilient Housing Prototype - \$7,283,000

- High density on a reduced footprint which will be resilient to flooding and wind damage
- Incorporates clean energy practices and conservation-minded components
- Landscaping and shared green space will manage stormwater while adding beauty to the surrounding neighborhood

*[Minimal damage from Hurricane Ida](#) due to the mitigation measures put in place by the State of Louisiana



Springfield, Massachusetts

Watershops Dam Resilience Project and Solar Installation - \$2,500,000

- The dam protects multiple downtown majority low-income neighborhoods from catastrophic flooding
- Upgrades will prevent future failure of the dam, allowing for water level decrease in advance of heavy rains in order to increase pond capacity
- The city will also install solar power and on-site battery storage at Brookings School, newly designed and built to be transformed into a community disaster response location and provide a back-up power source in the event of extended energy interruption



State of Virginia (NDRC)

Nation's first-of-its-kind resilience innovation hub, RISE, which provides resources to develop and grow resilience-building solutions for coastal communities. Since 2018, RISE has provided financial support and services to 27 businesses developing new, scalable solutions that help coastal communities adapt to flooding and sea level rise challenges.

A few of the projects now underway:

- Solutions that reroute drivers in real-time to avoid flooded roads.
- Mobile manufacturing units that produce custom shoreline protection structures to mitigate flooding faster, safer, and more affordably (NatrX).
- Stormwater monitoring software and sensors providing real-time tracking, alerts, and analytics to prevent flooding, decrease costs and help prioritize retrofits (StormSensor).
- Street-level stormwater holding systems that are quicker to install and easier to maintain (InfraSGA).



Discussion



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BRIC Program Support Materials

- [BRIC Website](#)
- [FY 2021 BRIC Notice of Funding Opportunity](#)
- [BRIC Resources](#)
 - [BRIC Technical Criteria](#)
 - [BRIC Qualitative Criteria](#)
 - [BRIC Building Codes Activities](#)
 - [BRIC Mitigation Planning Activities](#)
 - [BRIC Partnership Activities](#)
 - [BRIC Project Scoping Activities](#)
 - [BRIC Phased Projects](#)
 - [BRIC Direct Technical Assistance](#)
 - [BRIC Tribal Information](#)
 - [Mitigation Action Portfolio](#)

www.fema.gov/bric

Need Help?

General questions about the BRIC program can be directed to the appropriate [State Hazard Mitigation Officer](#) or [FEMA Regional Office](#).

- **General BRIC Questions and State Application Deadlines:**
[State Hazard Mitigation Officer](#)
- **FEMA GO Helpline:**
femago@fema.dhs.gov or 1-877-611-4700
- **Benefit Cost Analysis (BCA) Helpline:**
BCHelpline@fema.dhs.gov or 1-855-540-6744
- **Feasibility and Effectiveness Helpline:**
FEMA-BuildingScienceHelp@fema.dhs.gov
- **Environmental and Historic Preservation:**
EHPHelpline@fema.dhs.gov or 1-866-222-3580
- **Hazard Mitigation Assistance (HMA) Helpline:**
1-866-222-3580



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Additional Resources

FEMA Resources

- [Unified Hazard Mitigation Assistance Guidance & Addendum](#)
- [HMA Cost Share Guide](#)
- [Benefit-Cost Analysis Toolkit](#)
- [Building Community Resilience with Nature Based Solutions: A Guide for Local Communities](#)



2021 BRIC and FMA Programs Webinars and Office Hours

- FEMA's Hazard Mitigation Assistance Division will hold office hours for the BRIC and FMA Programs on the following dates:
 - October 19, 21, 26, and 28



Recordings and presentations from the BRIC and FMA Programs Webinars are available at:

<https://www.fema.gov/grants/mitigation/2021-building-resilient-infrastructure-and-communities-and-flood-mitigation-assistance-programs>



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Thank you



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