



Pennsylvania Emergency Management Agency

HAZARD MITIGATION DIVISION

PA Association Floodplain Managers (PAFPM) WEBEX Briefing

September 29, 2020 13:00-14:00

Topic:

2020 Flood Mitigation Assistance (FMA) and Building Resilient Infrastructure & Communities (BRIC) Grant Programs

Agenda

- ❖ Provide Information on the 2020 FEMA/PEMA Non-Disaster Hazard Mitigation Grant Program
- ❖ Applicant/Subapplicant Eligibility
- ❖ Application Cycle & Funding Deadlines
- ❖ Cost Share Requirements
- ❖ FEMA Flood Mitigation Assistance Grant
- ❖ FEMA Building Resilient Infrastructure & Communities (BRIC)
- ❖ FEMA GO
- ❖ Job Aids & Resources
- ❖ Questions

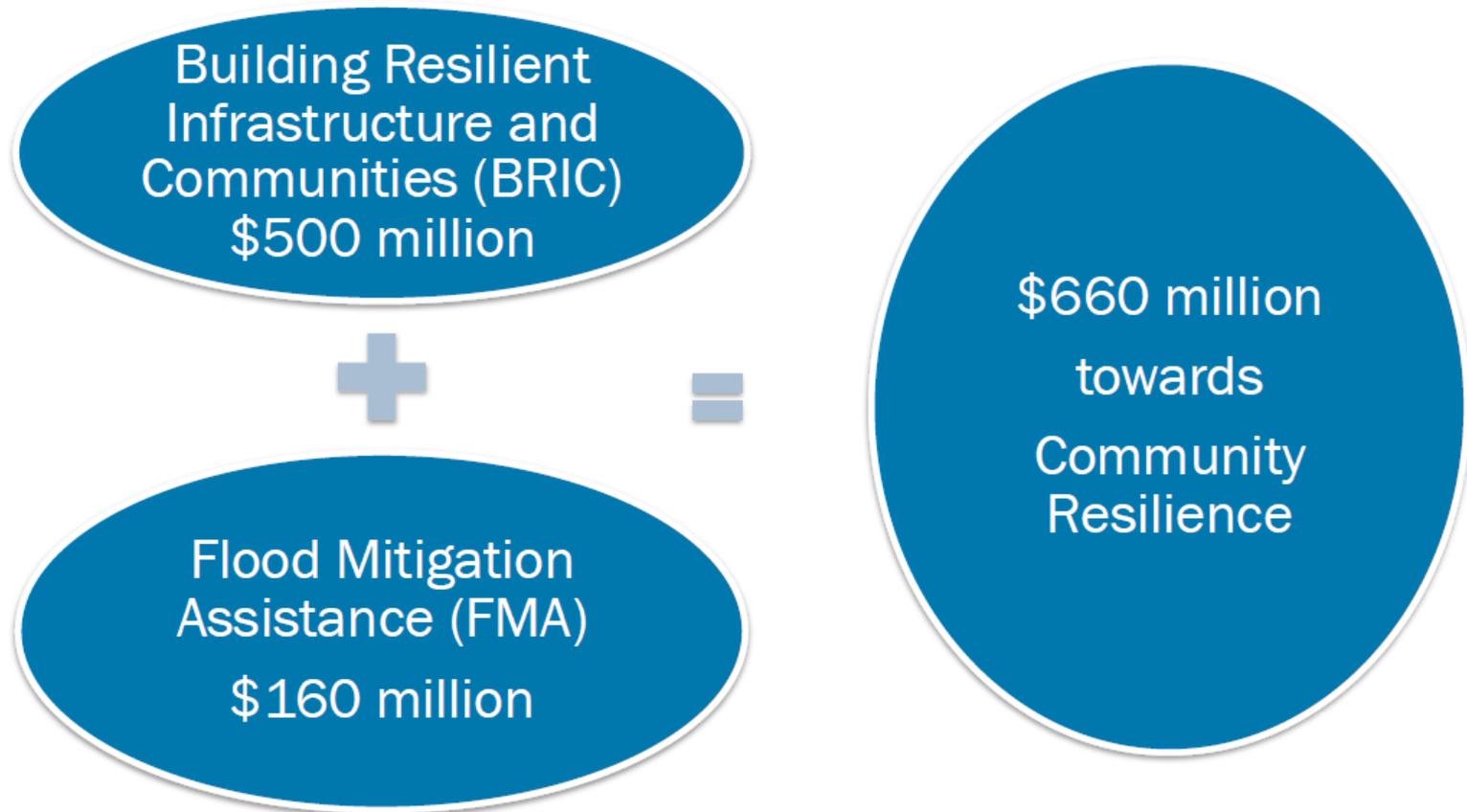


Wyoming County, PA



*City of Sunbury,
Water Authority,
Northumberland
County*

Non-Disaster Mitigation Grants



Who is eligible for BRIC funding?

Applicants:

- ✓ All 50 States
- ✓ U.S. territories
- ✓ Federally recognized Indian Tribal Governments
- ✓ District of Columbia

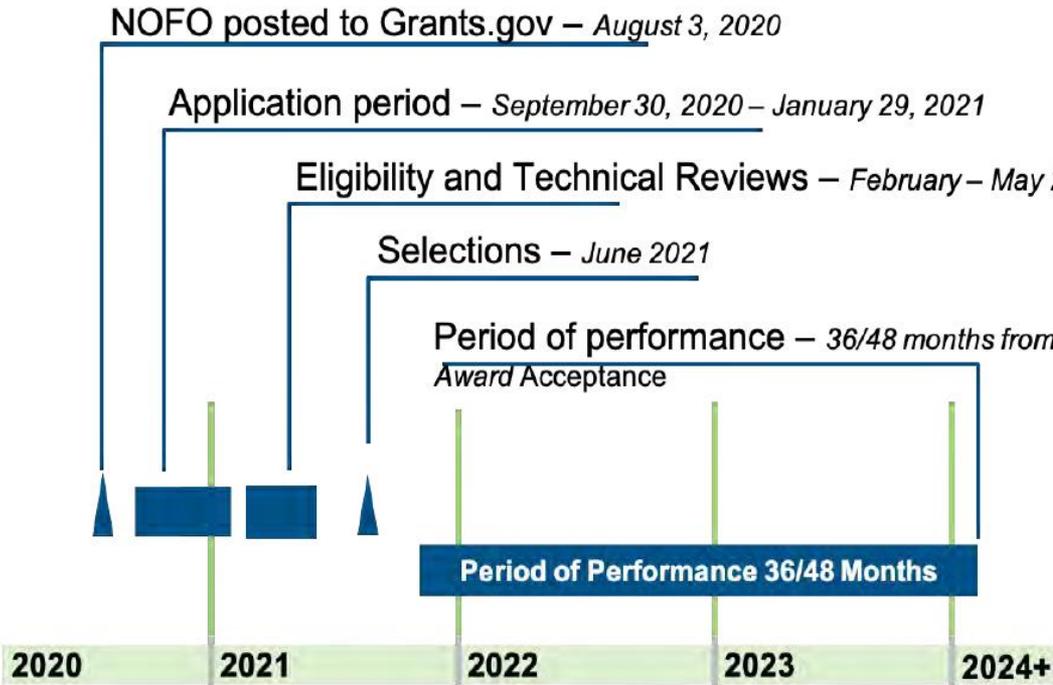


Subapplicants:

- ✓ Local Governments
- ✓ Indian Tribal Governments
- ✓ State Agencies
- ✓ Tribal Agencies

Non-Disaster **FEDERAL** GRANT TIMELINE

Non-Disaster Mitigation Grants Application Cycle and Funding Deadlines



Application period opens on **September 30, 2020**.

Submission deadline for applications is **3:00 PM ET on January 29, 2021**.

System-related issues must be addressed by **3:00 PM ET on January 27, 2021**.

Pre-Award Selection Notice: **Anticipated in June 2021**

Period of Performance:

Start Date: **When the recipient accepts the Award**

End Date: All projects are **36 months** from the date of the Award EXCEPT for FMA Community Flood Mitigation Projects which are **48 months** from the Award date

Commonwealth of PA Timelines

Deadlines:

- Letter of Interest (one-pager) due by **October 15, 2020, 1600 hours EST;**
- Entry into the FEMA Grants Opportunity once Letter of Interest is approved by PEMA;
- Cut-off of Eligible and COMPLETE applications in the FEMA GO system is **November 18, 1700 hours EST;**
- State Hazard Mitigation Assistance Application Team will meet **December 7-18, 2020;** and
- Based on State Team points, prioritization of State Team and FEMA requirements, enter state FMA and BRIC applications in system by **Saturday, January 15, 2021.**
- FEMA Deadline for all applications by state is **January 29, 2021.**

PEMA Letter of Interest found here:

<https://www.pema.pa.gov/Mitigation/Grants-Projects/Non-Disaster-Forms/Pages/default.aspx> Form 01 Non-Disaster Grant Letter of Interest

State Mitigation Planning Team Actions Criteria

Table 6.2-3 Multi-Objective Mitigation Action Prioritization Criteria

MITIGATION ACTION RANKING CRITERIA	CRITERIA DESCRIPTION	WEIGHT VALUE
Effectiveness	The extent to which an action reduces the vulnerability of people and property.	20%
Efficiency	The extent to which time, effort, and cost is well used as a means of reducing vulnerability.	30%
Multi-Hazard Mitigation	The action reduces vulnerability for more than one hazard.	20%
Addresses High Risk Hazard	The action reduces vulnerability for people and property from a hazard(s) identified as high risk.	15%
Addresses Critical Communications/Critical Facilities	The action pertains to the maintenance of critical functions and structures such as transportation, supply chain management, data circuits, etc.	15%

HM State Goals updated in 2018 and covers 129 mitigation actions

Federal/Non-Federal Cost Share

Cost Share Requirements

Cost Share:

Generally FEMA will pay up to 75 percent of the total cost.

- BRIC:
 - FEMA will pay up to 90 percent for small impoverished communities
 - FEMA will pay up to 100 percent for management costs
- FMA:
 - FEMA will pay up to 90 percent for Repetitive Loss properties
 - FEMA will pay up to 100 percent for Severe Repetitive Loss properties

FMA Eligibility Requirements

- All Applicants and subapplicants must have a FEMA-approved County Hazard Mitigation Plan by the application deadline AND at the time of the obligated funding
- Subapplicants must participate and must in Good Standing with the National Flood Insurance Program
- All structures included in the project subapplications must be insured under the NFIP (Before, During and After)



*Wharton Risk
Management Center,
University of Pennsylvania*

FFY20 FMA Funding Priorities

**\$160
MILLION**

**TOTAL AVAILABLE
FMA FUNDING**

Allocated Up To
\$4 MILLION

1 **Project Scoping**
(previously Advance
Assistance)

Allocated Up To
\$70 MILLION

2 **Community Flood
Mitigation Projects**

At least
\$86 MILLION

3 **Technical
Assistance**
↓
4 **Flood Hazard
Mitigation Planning**
↓
5 **Individual Flood
Mitigation Projects**

Eligible FMA Projects

- Property Acquisition and Structure Demolition
- Property Acquisition and Structure Relocation
- Structure Elevation
- Mitigation Reconstruction
- Dry Floodproofing of Historic Residential Structures
- Dry Floodproofing of Non-residential Structures
- Localized Flood Reduction Projects
- Structural Retrofitting of Existing Buildings
- Non-Structural Retrofitting of Existing Buildings & Facilities
- Infrastructure Retrofit
- Soil Stabilization
- Project Scoping – Individual Home and Community Flood

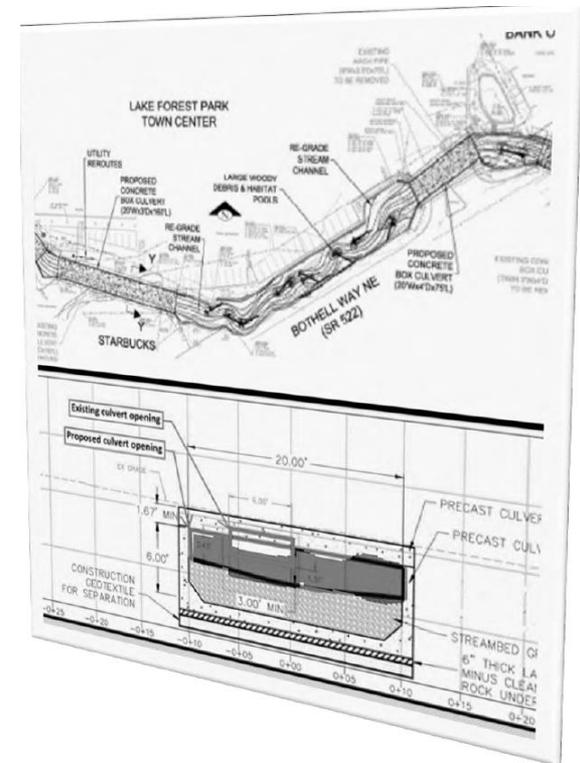


FEMA FFY20 FMA Priorities

1

FEMA GO ENTRY: PROJECT SCOPING

- **Project Scoping (Previously Advanced Assistance – Seed funding for Community Analysis & Design of Future**
 - Community flood Mitigation projects
 - Individual Property mitigation projects (SRL& RL)
- **Prioritization Facts**
 - NFIP Policy Holder Saturation
 - Severe Repetitive Loss (SRL) & Repetitive Loss (RL) Saturations
 - Community Rating System (CRS) Participant
 - FEMA Cooperating Technical Partner (CTP)
- **All structures included in the project subapplications must be insured under the NFIP (Before, During and After)**



FEMA FFY20 FMA Priorities (cont.)

2

FEMA GO ENTRY: Primary Activity type = Flood Control, Primary sub-activity type = Community Flood Control

Prioritization Factors

- NFIP Policy Holder Saturation
- Severe Repetitive Loss (SRL) & Repetitive Loss (RL) Saturation
- Community Rating System (CRS) Participation
- Cooperating Technical Partners (CTP) Partners Program
- Private Partnership Cost Share
- Project developed as part of a HMA Project Scoping/Advance Assistance grant



City of Altoona, Blair County

FEMA Community Flood Mitigation Project Types

2

Eligible activities include, but are not limited to:

- Localized Flood Control
- Floodwater Storage and diversion
- Community Rating System (CRS) Participation
- Floodplain and Stream Restoration
- Stormwater Management
- Wetland Restoration/Creation

Elevations and Part 80 voluntary acquisitions are ineligible under this category.



City of Lancaster,
Lancaster County

Benefitting Area Maps: Connecting Mitigation to the NFIP

Prioritization Factors

- GeoEnabled Project Benefitting Area Maps are required for ALL Community Flood Mitigation applications
- FEMA has developed a Geospacial File Eligibility Job Aid at: https://edit.fema.gov/sites/default/files/2020-08/fema_geospacial-eligibility-criteria-flood-mitigation-grant-applications.pdf

1



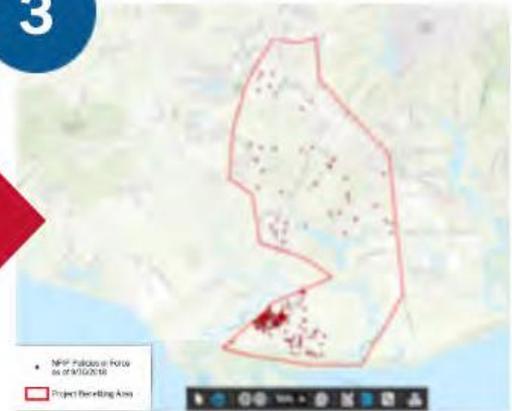
Map of Benefiting Area of Mitigation Project

2



Benefiting Area Drawn as GIS enabled

3



(Optional) NFIP Policies Overlay Mapped

FFY 20 FMA Funding Priorities (cont.)

3 Technical assistance for Applicants who were awarded at least \$1 million FMA funds in FY19

4 Flood mitigation planning

FFY 20 FMA Funding Priorities (cont.)

5 Individual Flood Mitigation Projects (Elevation, Acquisition, Relocation, & Reconstruction)

a. Severe Repetitive Loss (SRL) structure (ii)

- Have at least 2 separate NFIP claim payments exceeding Market Value of Structure

b. Repetitive Loss (RL) structure

- Have at least 2 NFIP claim payments where average costs equal or exceed 25% of Market Value of Structure

c. Severe Repetitive Loss (SRL) structure (i)

- Have at least 4 NFIP claim payments of \$5,000 or more, with cumulative payments exceeding \$20,000

Individual Flood Mitigation Projects that mitigate the risk of flooding to individual NFIP insured structures. FEMA will rank subapplications in an initial pool where:

- Over 50% of properties meet the SRL/RL definition in order of priority (*see diagram*)
- Elevations - Average federal cost share is less than \$250,000
- Acquisition - Average federal cost share is less than \$750,000 for all single-family dwelling units

FEMA FFY20 FMA Priorities (cont.)

FEMA will further prioritize Individual Flood Mitigation within remain projects as follows:

1. Highest percentage of structures that meet the definition;
2. Largest number of structures that meet one of the above definitions;
3. Highest percentage of structures determined Substantially Damaged (SD) by the community within two (2) years of the application submission deadline with a verification letter attached to the application;
4. Highest percentage of structures that are listed as primary residences on their NFIP policy declarations page; and
5. Projects with the highest FEMA-validated Benefit-Cost Ratio



Yardley Borough,
Bucks County,
Community Rating
System Community,
57 Morgan Avenue

▶ FEMA FFY20 FMA Application Limits

Applicants may include the following in a FMA Grant Application:

- ❑ 1 Management Cost Subapplication
- ❑ 1 Technical Assistance Subapplication (*for Applicants who received at least \$1 million FMA funds in FY19*)
- ❑ No limit of project subapplications submitted under the Project Scoping, Community Flood Mitigation, or individual mitigation project (RL and SRL)



56 Morgan Ave, Yardley Boro, Bucks Co,
2011 Flood Mitigation Assistance (FMA)



FEMA FFY20 FMA Funding Limits

Application Limits:

- \$600,000 for Project Scoping per Applicant (**NEW**)
- \$30 million for Community Flood Mitigation projects per project subapplication (**NEW**)
- \$50,000 for Technical Assistance for states who were awarded FMA Grant Program funds totaling at least \$1 million in FY2019
- \$100,000 per Applicant for mitigation planning with a maximum of \$50,000 for state plans and \$25,000 for local plans
- Subrecipient Management Costs – maximum of 5% of grant funds awarded



Building Resilient Infrastructure & Communities (BRIC)

BRIC Grant's Intent:

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. BRIC is a new FEMA pre-disaster hazard mitigation program that replaces the existing Pre-Disaster Mitigation (PDM) program.

The BRIC program guiding principles are supporting communities through capability and capacity-building; encouraging and enabling innovation; promoting partnerships; enabling large projects; maintaining flexibility; and providing consistency

BRIC Guiding Principles

Building Resilient Infrastructure and Communities (BRIC) grant program

Guiding Principles

Support community capability and capacity building



Enable large infrastructure projects



Encourage and enable innovation



Maintain flexibility



Promote partnerships



Provide consistency



BRIC Launch Timeline

Public Comment Period:
Federal Register Notice
Closed May 11, 2020

BRIC Rollout
and Training
Spring—Fall 2020

Notice of Funding
Opportunity
Summer/Fall 2020

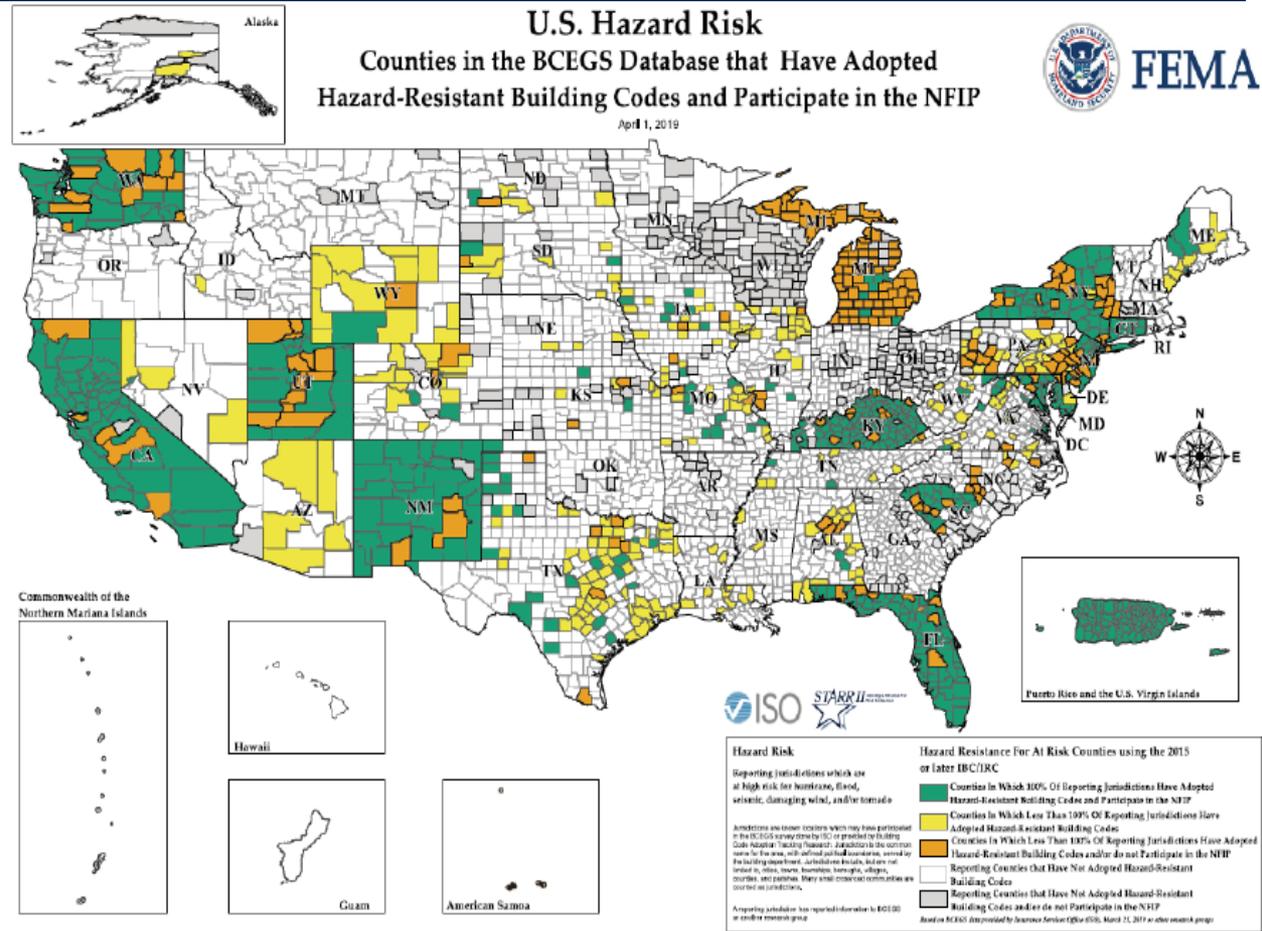
Grant Application
Period Opens
Fall 2020

Support's FEMA's Strategic Plan

- Build a Culture of Preparedness
- Ready the Nation for Catastrophic Disasters
- Reduce the Complexity of FEMA

Local Building Codes and Enforcement

Building codes are the cornerstone of a resilient community, but less than 35 percent of communities have adopted the latest, most up-to-date hazard-resistant codes.



One way to check as a quick reference guide regarding local Mandatory building code adoption is to check out this online portal at:

[https://geo.stantec.com/National BCATS Portal/viewer/](https://geo.stantec.com/National_BCATS_Portal/viewer/)

BRIC PRIORITIES/Set-Aside

- Incentivize Public Infrastructure Projects
- Incentivize projects that mitigate risk to one or more lifelines
- Incentivize projects that incorporate nature-based solutions
- Increase funding to Applicants that facilitate the adoption and enforcement of the latest published editions of building codes
- National Competition for Mitigation Projects: \$446.4 million (Funds have been set-aside for States/Tribes)
- \$50 million (federal Share) per subapplication/No limit on # of submissions



Landslide Remediation, Scotia Road, Allegheny County, Earth, Inc.



Sinkhole, Cherry Street, Borough of Palmyra, Lebanon County

Community Lifelines/Defined

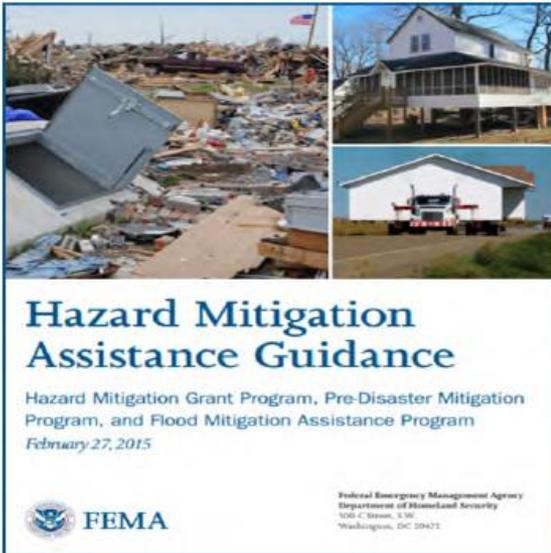
- ❑ A lifeline enables the continuous operation of critical government and business functions and is essential to human health and safety or economic security



- ❑ Lifelines are the most fundamental services in the community that, when stabilized, enable all other aspects of society to function
- ❑ Lifelines are the integrated network of assets, services, and capabilities that are used day-to-day to support the recurring needs of the community
- ❑ When disrupted, decisive intervention (e.g., rapid service re-establishment or employment of contingency response solutions) is required to stabilize the incident

BRIC Eligible Activities

Existing Activities are Still Eligible



BRIC Capability- and Capacity-Building Activities



BRIC Capability- and Capacity-Building Activities

Example Building Code Adoption and Enforcement Activities



Evaluate adoption and/or implementation of codes that reduce risk



Enhance existing adopted codes to incorporate more current requirements or higher standards



Develop professional workforce capabilities through technical assistance and training

BRIC Eligible Activities

Expanded Eligibility Includes:

- Project Scoping
- Building Code Activities
- Pre-award costs
- Additional activities for wildfire and wind implementation (DRRA Section 1205)
- Earthquake early warning (DRRA Section 1233)

Project Must:

- Be Cost Effective
- Reduce/Eliminate risk and damage from future natural hazards
- Meet latest 2 consensus codes (i.e., 2015 or 2018 international building code)
- Additional activities for wildfire and wind implementation (DRRA Section 1205)
- Align with Hazard Mitigation Plan
- Meet all environmental and historic preservation requirements

Mitigation Action Portfolio

https://www.fema.gov/sites/default/files/2020-08/fema_mitigation-action-portfolio-support-document_08-01-2020_0.pdf 107 Pages!



Hazard Mitigation Assistance

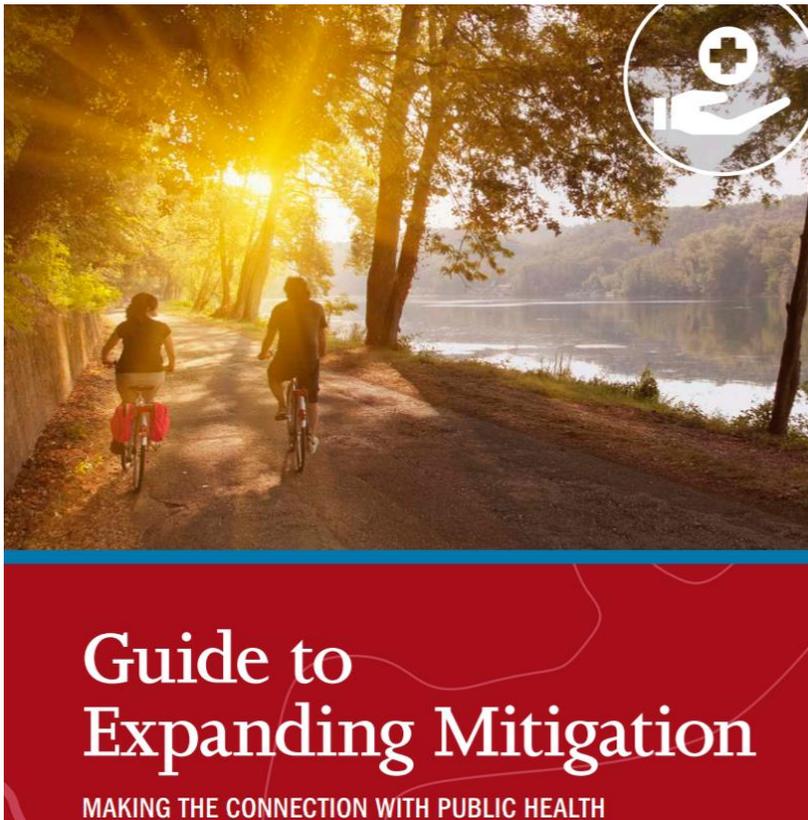
Mitigation Action Portfolio



FEMA

Guides to Expanding Mitigation

<https://www.fema.gov/about/organization/region-2/guides-expanding-mitigation> 7 Guides that are out on the FEMA Region 2 page ****NEW**



BRIC – Technical Criteria (100 points)



Infrastructure project



Mitigating risk to one or more lifelines



Incorporation of nature-based solutions



Applicant has mandatory building code adoption requirement (2015 or 2018 versions of International Building Code and International Residential Code)



Subapplicant has Building Code Effectiveness Grading Schedule Rating of 1 to 5



Application generated from a previous FEMA Hazard Mitigation Assistance Advance Assistance award



Increased non-federal cost share



Designation as a small impoverished community

BRIC – Qualitative Criteria



Risk Reduction /
Resiliency Effectiveness



Future
Conditions



Implementation
Measures



Population
Impacted



Outreach
Activities



Leveraging
Partners

Note: *Can pick up points in each category, not all or none like the Technical Criteria*

BRIC – Direct Technical Assistance

- ❑ Non-Financial Direct Technical Assistance will be provided to up to 10 selected communities to support the mitigation outcomes listed below:



BRIC – Direct Technical Assistance

FEMA may prioritize Direct Technical Assistance for communities that:

- Have not received a project award under the PDM, FMA, or the HMGP within the past 5 years.
- Have not received an Advance Assistance award under the PDM, FMA, or HMGP within the past 5 years
- Are Tribal entities
- Are small impoverished communities
- Have demonstrated a compelling need (e.g., have significant social vulnerability, multiple major disaster declarations within the past 5 years, etc.)



BRIC – Go/No-Go Milestones

New --- The applicant, in coordination with the Applicant, must identify a series of Go/No-Go milestones throughout the work schedule for mitigation activities that FEMA will review and approve



BRIC – Phased Projects



- ❑ Phased projects are where FEMA provides funding for complex mitigation projects to Applicants to allow them to develop all the technical and environmental information, including design, engineering studies, and permitting, before issuing a full construction approval
- ❑ Phasing projects allow monies to flow and good mitigation projects to be developed and evaluated without a community assuming risk of not being funded, which can be especially helpful for smaller communities.

How to Apply to FEMA GO

- ❑ Eligible Applicants must apply for funding using the new FEMA Grants Outcomes (FEMA GO) at the FEMA GO portal:
<https://go.fema.gov/login?redirect=%2F>
- ❑ Visit FEMA GO Guides and Resources to view the technical user manuals and support materials:
<https://www.fema.gov/grants/guidance-tools/fema-go/assistance-firefighters-grants>
- ❑ FEMA FEMA GO Technical Support, contact the Help Desk by calling 1-877-611-4700 or by e-mail at:
<https://www.fema.gov/grants/guidance-tools/fema-go/assistance-firefighters-grants>

Program Support Materials

BRIC

- [Mitigation Action Portfolio](#)
- [BRIC Building Codes Activities](#)
- [BRIC Partnership Activities](#)
- [BRIC Project Scoping Activities](#)
- [BRIC Mitigation Planning Activities](#)
- [BRIC Direct Technical Assistance](#)
- [BRIC Technical Criteria](#)
- [BRIC Qualitative Criteria](#)
- [HMA Cost Share Guide](#)
- [FY20 BRIC Notice of Funding Opportunity](#)

FMA

- [FMA Community Flood Mitigation Project Fact Sheet](#)
- [FMA Community Flood Mitigation Benefitting Area Map Development](#)
- [FMA Project Scoping Fact Sheet](#)
- [GEOSPATIAL FILE ELIGIBILITY CRITERIA IN FLOOD MITIGATION GRANT APPLICATIONS](#)
- [FY20 FMA Notice of Funding Opportunity](#)
- [Unified Hazard Mitigation Assistance Guidance & Addendum](#)
- [Property Elevation and Acquisition Job Aides:](#)
 - [Elevation Job Aid](#)
 - [Acquisition & Demolition Job Aid](#)
 - [Acquisition & Relocation](#)
- [HMA Cost Share Guide](#)



FEMA

HOW TO APPLY/FEMA GO

FEMA Program Website:

FMA-

<https://www.fema.gov/grants/mitigation/floods>

BRIC- www.fema.gov/bric

FEMA GO Helplines:

femago@fema.dhs.gov

1-877-611-4700

BCA Helpline:

BCHelpline@fema.dhs.gov

1-855-540-6744

Feasibility and Effectiveness Helpline:

FEMA-BuildingScienceHelp@fema.dhs.gov

Environmental and Historic Preservation:

EHPHelpline@fema.dhs.gov

1-866-222-3580

HMA Helpline:

HMAGrantsHelpline@fema.dhs.gov

1-866-222-3580

FEMA Region III

Non-Disaster HMA Team

Dustin Brosius - HMA Branch Chief

Angel Gillette – Non-Disaster HMA
Team Lead

Crystal Newman – Pennsylvania

Manan Vyas – Civil Eng. Team Lead

Contact Information

Tom Hughes, State Hazard Mitigation Officer
(717) 651-2726 or thughes@pa.gov

Julie Yu, Non-Disaster Project Officer
(717) 651-2279 or juyu@pa.gov

PEMA WEBSITE:

<http://www.pema.pa.gov>

Resource Account
RA-Shazmitoff@pa.gov

**PEMA, 1310 Elmerton
Avenue, Harrisburg PA
17110**

Our best advice is to email your scanned Letters of Interest (LOI) directly to Julie Yu at juyu@pa.gov

PEMA Fax# is: **717-651-2150**