

# FY21 Flood Mitigation Assistance and Building Resilient Infrastructure and Communities Informational Session

MEMA Hazard Mitigation Branch

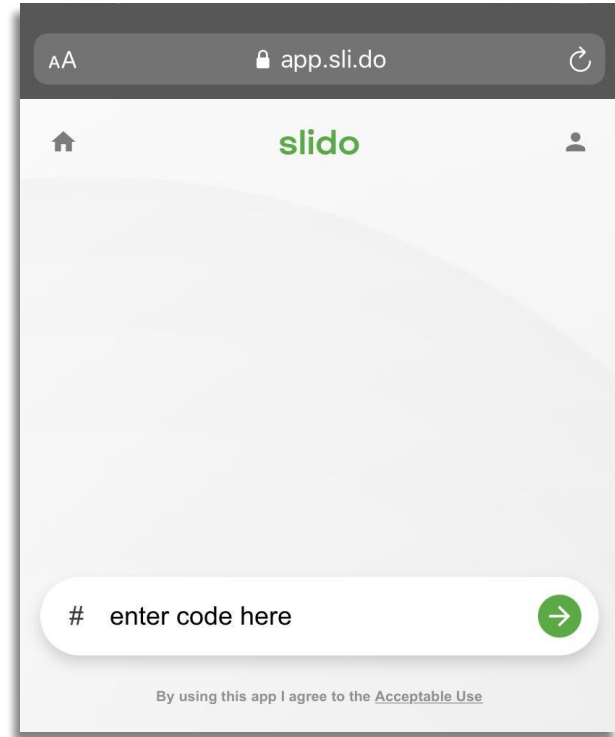
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# Overview

- Hazard Mitigation Assistance Grant Programs Overview
  - Flood Mitigation Assistance (FMA)
  - Building Resilient Infrastructure and Communities (BRIC)
- Subapplicant Eligibility
- Timeline
- Next Steps
- Questions

# Interacting with Slido

- Please visit **slido.com** and enter meeting **#BRIC21** to participate in the interactive components of this meeting.
- Submit questions through the Slido Q&A throughout the meeting. They will be answered at the end of the presentation.
- You will be able to read submitted questions and “like” them to send them to the top of the list to be answered.



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Did you apply for last year's FMA or BRIC programs?

 Start presenting to display the poll results on this slide.



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**#BRIC21**

### Did you apply for last year's FMA or BRIC programs?

0 2 9

No, but I am familiar with the grant programs.



No, and I am not familiar with the programs.



Yes



# Setting the Stage for 2021

- There are no precedents set for BRIC.
  - Awards and decisions for FY20 have not been released to States.
  - The FY21 Notice of Funding Opportunity (NOFO) is not anticipated to be released until late Summer 2021.
- Utilizing last year's resources, previous Pre-Disaster Mitigation (PDM) awards, and real world experiences.
- It is critical to prepare as early as possible to develop quality subapplications.
- Approximately \$1B will be made available nationwide for FY21.

# Building Resilient Infrastructure Communities

## Fiscal Year 2020 Application Period Submissions

Number of Subapplications

**991**

Total Subapplication Costs

**\$5.50B**

Number of Structures to be Mitigated

**1,521**

Federal Cost Share

**\$3.60B**

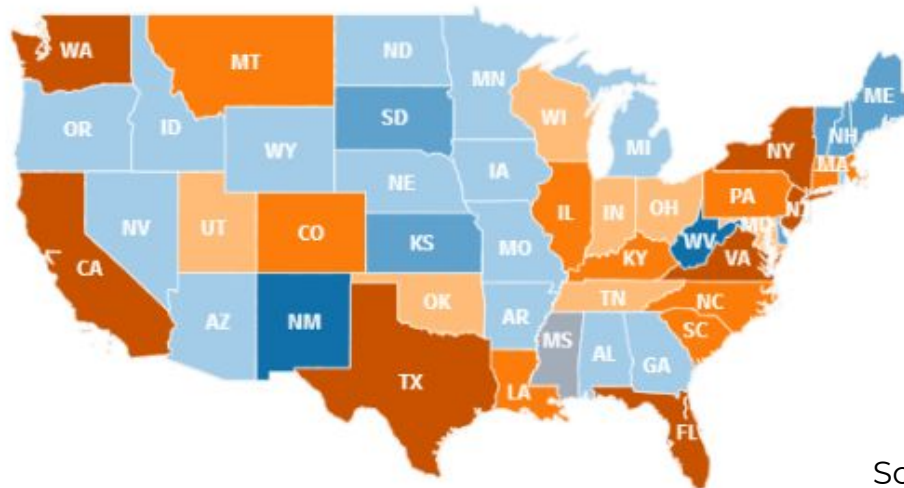
Number of Small Impoverished Communities

**98**

Non-Federal Cost Share

**\$1.90B**

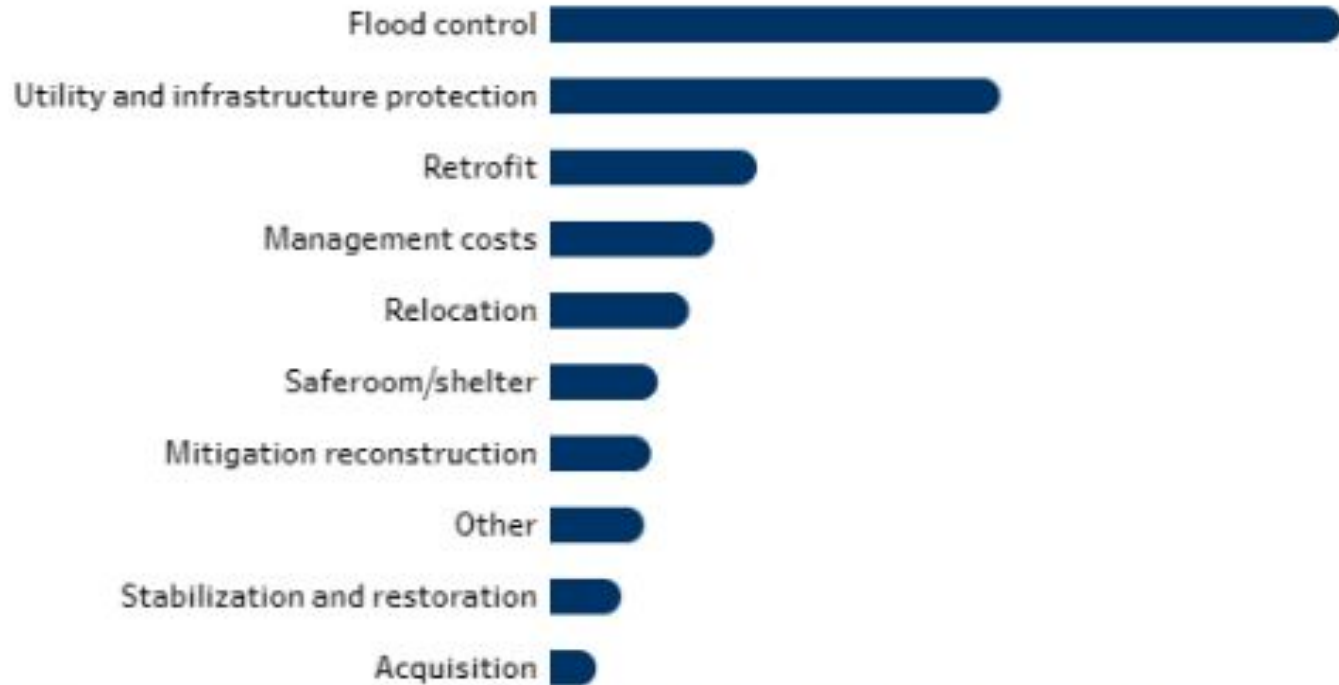
Total Subapplication Costs



Source: [FEMA BRIC Main Page](#)

## Subapplication Activity by Total Subapplication Costs

Top 10



This visualization contains data from the Fiscal Year 2020 application cycle for the Building Resilient Infrastructure and Communities that closed on Jan. 29, 2021. Data Source: FEMA Grants Outcomes (GO).

Source: [FEMA BRIC Main Page](#)



# Flood Mitigation Assistance (FMA)

# Guiding Principles

- Reduce or eliminate flood risk
- Prioritize repetitive and severe repetitive loss properties
- Prioritize properties insured by the National Flood Insurance Program (NFIP)
- Dedicate funding to plan for flood risk mitigation



# Flood Mitigation Assistance (FMA)

- Funds available annually
- Nationally competitive
- Projects and Plans are limited to flood mitigation activities only
- Community must be in Good Standing with National Flood Insurance Program (NFIP)
- Mitigated property must carry NFIP policy before, during, and after

# Eligible Activities

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

# Cost Share

- 75% Federal / 25% non-Federal
- 90% Federal / 10% non-Federal for Repetitive Loss
- 100% Federal for Severe Repetitive Loss

## 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)

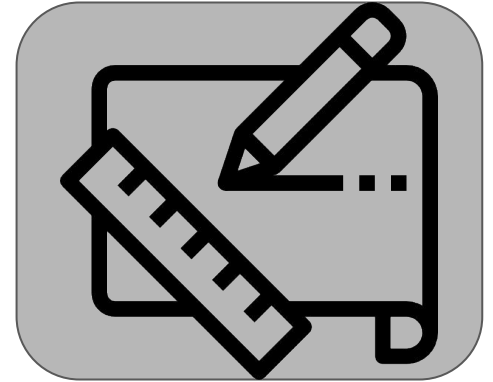
- Have at least 4 NFIP claim payments of \$5,000 or more, with cumulative payments exceeding \$20,000

# Funding Categories

- Project Scoping
- Community Flood Mitigation
- Technical Assistance
- Flood Hazard Mitigation Planning
- Individual Flood Mitigation Projects

# Category 1: Project Scoping

- Seed money for analysis and design
- Prioritization factors:
  - Community Rating System (CRS) Participation
  - Cooperating Technical Partners (CTP) Participation
  - Private Partnership Cost Sharing
  - NFIP Policies
  - SRL and RL



# Category 2: Community Flood Mitigation Projects

- Projects that address flood risk to the NFIP within a defined drainage area:
  - Localized flood control
  - Floodwater storage and diversion
  - Floodplain and stream restoration
  - Stormwater Management
  - Wetland restoration/creation
- Prioritization factors:
  - Community Rating System (CRS) Participation
  - Cooperating Technical Partners (CTP) Participation
  - Private Partnership Cost Sharing
  - NFIP Policies
  - SRL and RL



## Category 3: Technical Assistance

- Provides assistance to support implementation of flood mitigation programs. Must have received a previous FMA award.

## Category 4: Flood Mitigation Planning

- Identify, assess, and determine a course of action for flood risk.

## Category 5: Individual Flood Mitigation Projects

- Elevation
- Acquisition and Demolition
- Relocation
- Reconstruction



Dry Floodproofing:  
Non-Residential Structures



Localized Flood Risk  
Reduction  
(Culvert Improvement)



Miscellaneous: Flood Warning

# Building Resilient Infrastructure and Communities (BRIC)

# Guiding Principles

- Support community capability and capacity building
- Encourage and enable innovation
- Promote partnerships
- Enable large infrastructure projects
- Maintain flexibility
- Provide consistency

# Building Resilient Infrastructure and Communities (BRIC)

- Funds available annually
- Nationally competitive
- Greatest flexibility for activity types



# Eligible Activities

- Previous PDM activities are still eligible
- Expanded eligibility includes:
  - Project scoping
  - Building code projects
  - Additional activities for wildfire and wind implementation (DRRA Section 1205)
  - Earthquake early warning (DRRA Section 1233)
- Projects Must:
  - Be cost-effective
  - Reduce/eliminate risk and damage from future natural hazards
  - Meet latest two consensus codes (i.e. 2015 or 2018 international building code)
  - Align with Hazard Mitigation Plans
  - Meet all environmental and historic preservation requirements

# Cost Share

- 75% Federal / 25% non-Federal
- 90% Federal / 10% non-Federal for Small and Impoverished Communities
  - 3,000 or fewer individuals identified by the State as disadvantaged
  - Average per capita annual income not exceeding 80% of the national per capita income

# Funding Categories

- Capability and Capacity Building
  - Building codes activities
  - Partnerships
  - Project scoping
  - Mitigation planning and related activities
- Mitigation Projects
- Direct Technical Assistance



# Category 1: Capacity and Capability Building

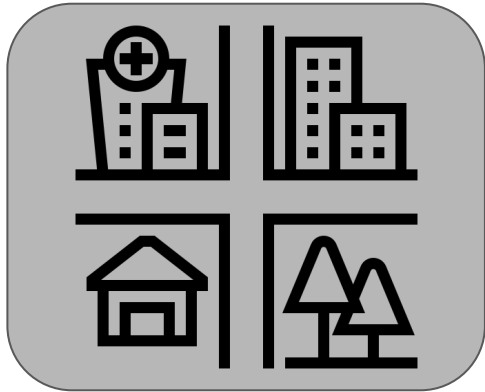


Meant to enable recipients to identify mitigation actions and implement projects that reduce risks posed by natural hazards.

- Building codes activities
- Partnerships
- Project scoping
- Mitigation planning and related activities.

Additionally, the activity must result in a tangible resource, strategy, or product.

# Building Code Activities



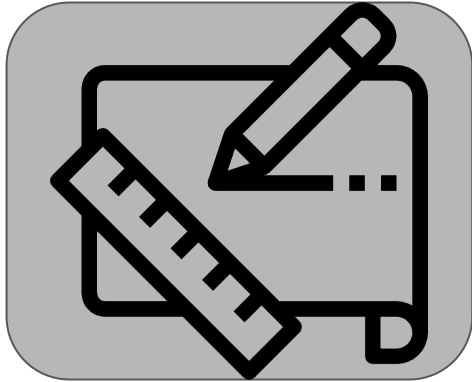
- Evaluate adoption and/or implementation of codes that reduce risk
- Enhance existing adopted codes to incorporate more current requirements or higher standards
- Develop professional workforce capabilities through technical assistance and training

# Partnership Activities



- Conducting capability gap / partner network analysis
- Providing / attending training on partnerships
- Incorporating private sector / lifelines operators in mitigation planning process
- Developing partner database
- Hosting forum to share best practices / lessons learned
- Attending conferences to support partnership development

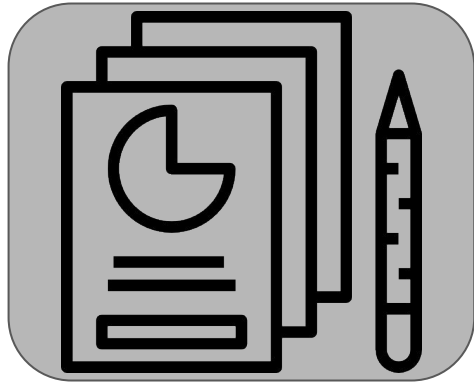
# Project Scoping



Supports development of strategies to obtain data for prioritization, selection, and development of mitigation subapplications.

- Engineering design and feasibility studies
- Hydrologic and Hydraulic studies
- Development of cost share strategy
- EHP compliance
- Development of BCA

# Planning



Opportunity to identify local policies and actions that can be implemented over the long term to reduce risk and future losses from hazards.

- Hazard Identification and Risk Assessment (HIRA)
- Vulnerability Assessment
- Capability Assessment
- Mitigation Strategy

# Category 2: Mitigation Projects

- Property Acquisition and Structure Demolition
- Property Acquisition and Structure Relocation
- Structure Elevation
- Mitigation Reconstruction
- Dry Floodproofing of Historic Structures
- Dry Floodproofing of Non-Residential Structures
- Generators
- Saferoom Constuction
- Wind Retrofits
- And more!

## Projects Must:

- Be cost-effective
- Reduce/eliminate risk and damage from future natural hazards
- Meet latest two consensus codes (i.e. 2015 or 2018 international building code)
- Align with Hazard Mitigation Plans
- Meet all environmental and historic preservation requirements

# Category 3: Direct Technical Assistance

- Assistance must result in:
  - Improvement of the community's capacity and capability to conduct mitigation activities;
  - Increase of community's resilience to natural hazards; or
  - Identification of projects that will holistically improve the community's resilience and risk reduction efforts
- FEMA prioritization:
  - Communities that have not received an HMA award in the past 5 years
  - Small and impoverished communities
  - Communities demonstrating a compelling need

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What types of activities are you interested in applying for?

 Start presenting to display the poll results on this slide.





## What types of activities are you interested in applying for?

019

Project scoping for potential flood mitigation project

Public/Private Partnership (P3) Training

Building resilient communities

stream and wetland restoration

New to process

**Generators**

slope stabilization

Flooding

**Protection of critical facilities**

Generators, again

**Stormwater management**

Building Code

H&H modeling, studies

**Flood mitigation**

Hazard Mitigation Planning

study to maximize capacity and resiliency of pump systems protecting subway system

CIKR Generators

acquisition

New to system

Stabilization / Reconstruction / Generators /

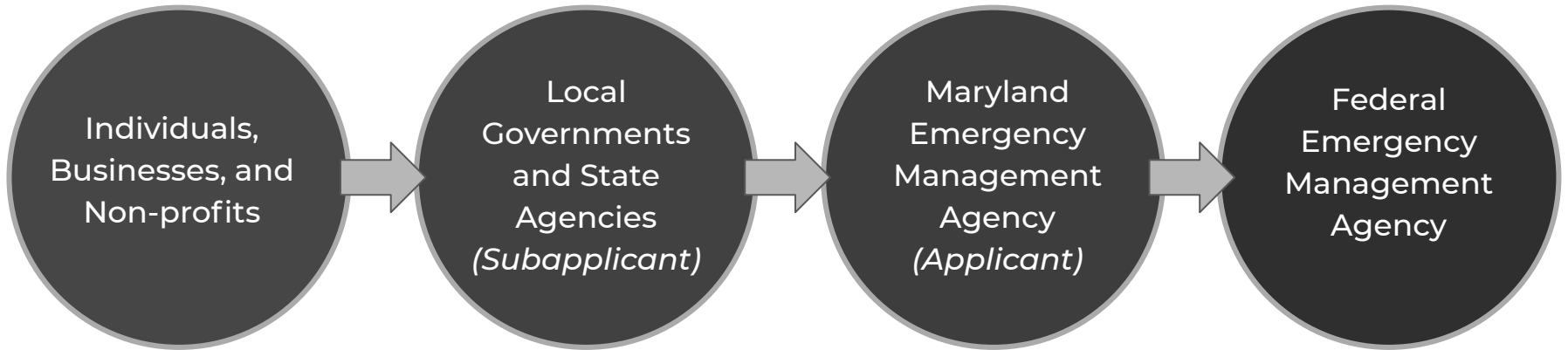
Possibly building code activities, project scoping, mitigation projects

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# Subapplicant Eligibility

# Subapplicant Eligibility

- Individuals, businesses and nonprofits are unable to apply directly for a grant. **Local governments and State agencies are eligible subapplicants** and must sponsor a proposed project from ineligible entities.



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# What entity do you represent?

 Start presenting to display the poll results on this slide.



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## What entity do you represent?

028

Local Government



State Government



Non-Profit



Private



Federal Government

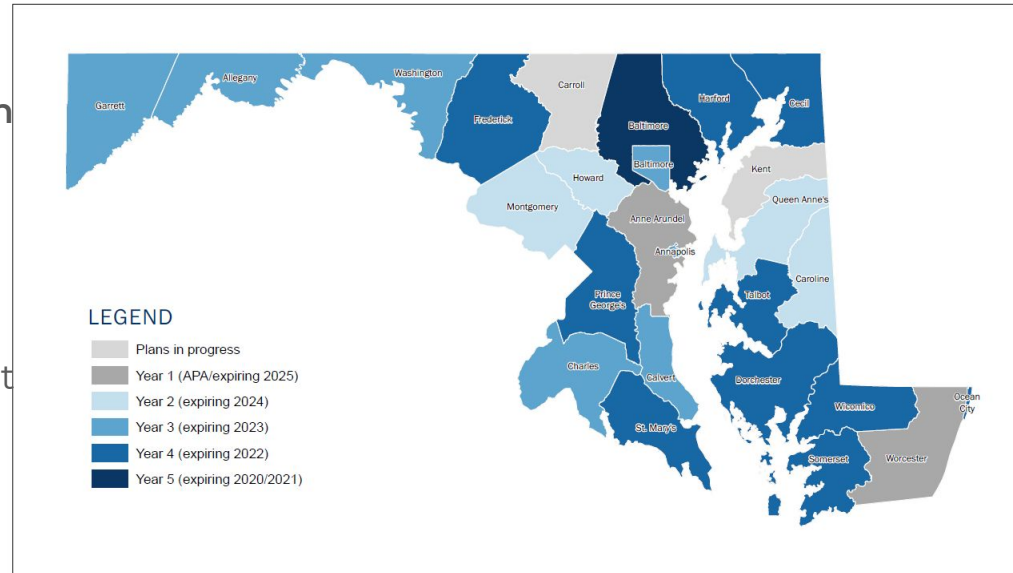


Other



# Subapplicant Eligibility

- Subapplicants must have a **FEMA-approved Hazard Mitigation Plan** by the application deadline and at the time of obligated funding.
- Subapplicants must provide a **Benefit Cost Analysis (BCA)** or other documentation, approved by FEMA, that validates cost-effectiveness.
- Additional requirements for both FMA and BRIC can be found within the respective Notice of Funding Opportunity.



MARYLAND - CURRENT HAZARD MITIGATION PLAN STATUS  
AS OF AUGUST 20, 2020

Prepared by Resilience Action Partners (CERC)  
Projection: Geographic NAD 83  
Data Sources: ESRI, FEMA - MPP 8/20/2020



# Timeline

# TENTATIVE MEMA FY21 FMA and BRIC Timeline

- August 31, 2021: Notice of Interest Due to MEMA
- September 2021 - NOFO Available
- October 2021 - FEMA GO Subapplications Available
- November 2021 - Subapplicats due to MEMA
- Jan. /Feb. 2022 - State Application Due



# Next Steps

# MEMA's Notice of Interest

Subapplicants submit a Notice of Interest Form to MEMA for review and project applicability.

## [Electronic Notice of Interest \(NOI\)](#)

*\*Deadline for consideration for FY21 BRIC & FMA is August 31\**



## MEMA NOTICE OF INTEREST (NOI)

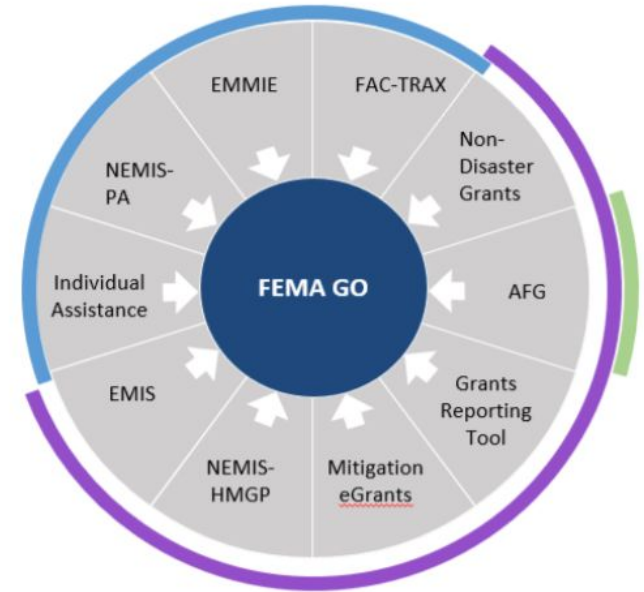
Hazard Mitigation Assistance (HMA) Grant Programs

Submit to [mitigation.mema@maryland.gov](mailto:mitigation.mema@maryland.gov)

1.0 PROGRAM PREFERENCE	
Please check the program you are most interested in pursuing:	
<input type="checkbox"/> Hazard Mitigation Grant Program (HMGP) - post-disaster declaration.	
<input type="checkbox"/> Pre-Disaster Mitigation (PDM) - annual grants.	
<input type="checkbox"/> Flood Mitigation Assistance (FMA) - annual grants for activities addressing flooding. Structures must be insured under the National Flood Insurance Program (NFIP).	
<input type="checkbox"/> Unsure/Other	
2.0 SUBAPPLICANT IDENTIFICATION	
Name of Project	
Subapplicant	
Point of Contact	
3.0 COMMUNITY IDENTIFICATION	
Describe project relationship to local and state mitigation strategies.	
Location	
Relationship to Existing Community Plans	
Mitigation Plan Expiration	
Community in Good Standing with NFIP	
Impact on People	
Impact on Environment	
4.0 ACTIVITY	
Description of Project or Plan	
Estimated Project Schedule	
5.0 COST ESTIMATE	
Total Activity Cost	
Proposed Non-federal Cost Share and Source	

# Register for FEMA GO

- Obtain your organization's DUNs number and register at the below link:
  - <https://go.fema.gov/>
- [Resources and Guides](#)



- Current Grants Management IT System
- Office of Response and Recovery
- Resilience
- U.S. Fire Administration

# Mitigation Action Portfolio

- Case studies from throughout the Country
- Organized by hazard
- Aligns projects with Community Lifelines
- Details scope, cost, funding sources, partners, timeline, etc.
- Will be updated periodically



# Best Practices

- Build upon existing efforts.
- Seek out multi-disciplinary solutions.
- Identify commonalities to bring in additional partners and stakeholders.
- Explore regional opportunities.
- Take a whole community approach. Expertise can be found in government, private sector, non-profit sector, academia, etc.
- Prioritize mitigating Community Lifelines to increase community resilience.



Whole Community  
Participation



Federal Government and  
Nonfederal Partners




Decreased Natural  
Hazards Risk

# Thank you!



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# Audience Q&A Session

 Start presenting to display the audience questions on this slide.



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Top questions (6)

 Anonymous

0 

Can the BRIC program fund flood mitigation projects outside the SFHA?

 Anonymous

0 

Are partnerships with Maryland colleges or universities eligible to participate in the BRIC program?

 Anonymous

0 

If I am a state agency applying for funding, does the County where the project is proposed need to have an approved HMP?

Latest question

 Anonymous

0 

Thank you!!!

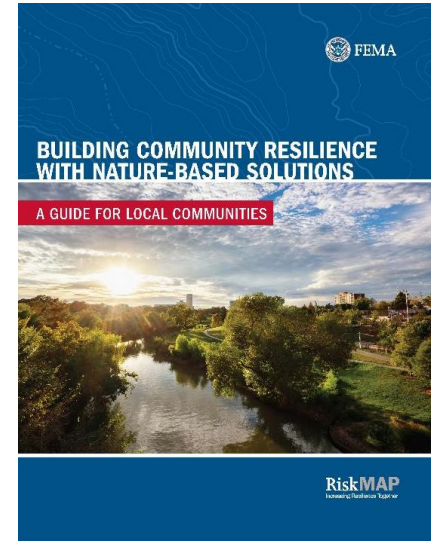


# FEMA Resources

- [Community Lifelines Implementation Toolkit](#)
- [Benefit Cost Analysis \(BCA\)](#)
- [Hazard Mitigation Planning](#)
- [ISO Mitigation- Building Codes](#)
- [FEMA Building Codes Toolkit](#)
- [Building Science Helpline](#)
- [Mitigation Action Portfolio](#)
- [Hazard Mitigation Assistance Guidance](#)
- [Hazard Mitigation Assistance Guidance Addendum](#)

## [FMA Resources](#)

## [BRIC Resources](#)





# Maryland

EMERGENCY MANAGEMENT  
AGENCY

*The mission of the Maryland Emergency Management Agency is to proactively reduce disaster risks and reliably manage consequences through collaborative work with Maryland's communities and partners.*

[mitigation.mema@maryland.gov](mailto:mitigation.mema@maryland.gov)