

Webinar Housekeeping

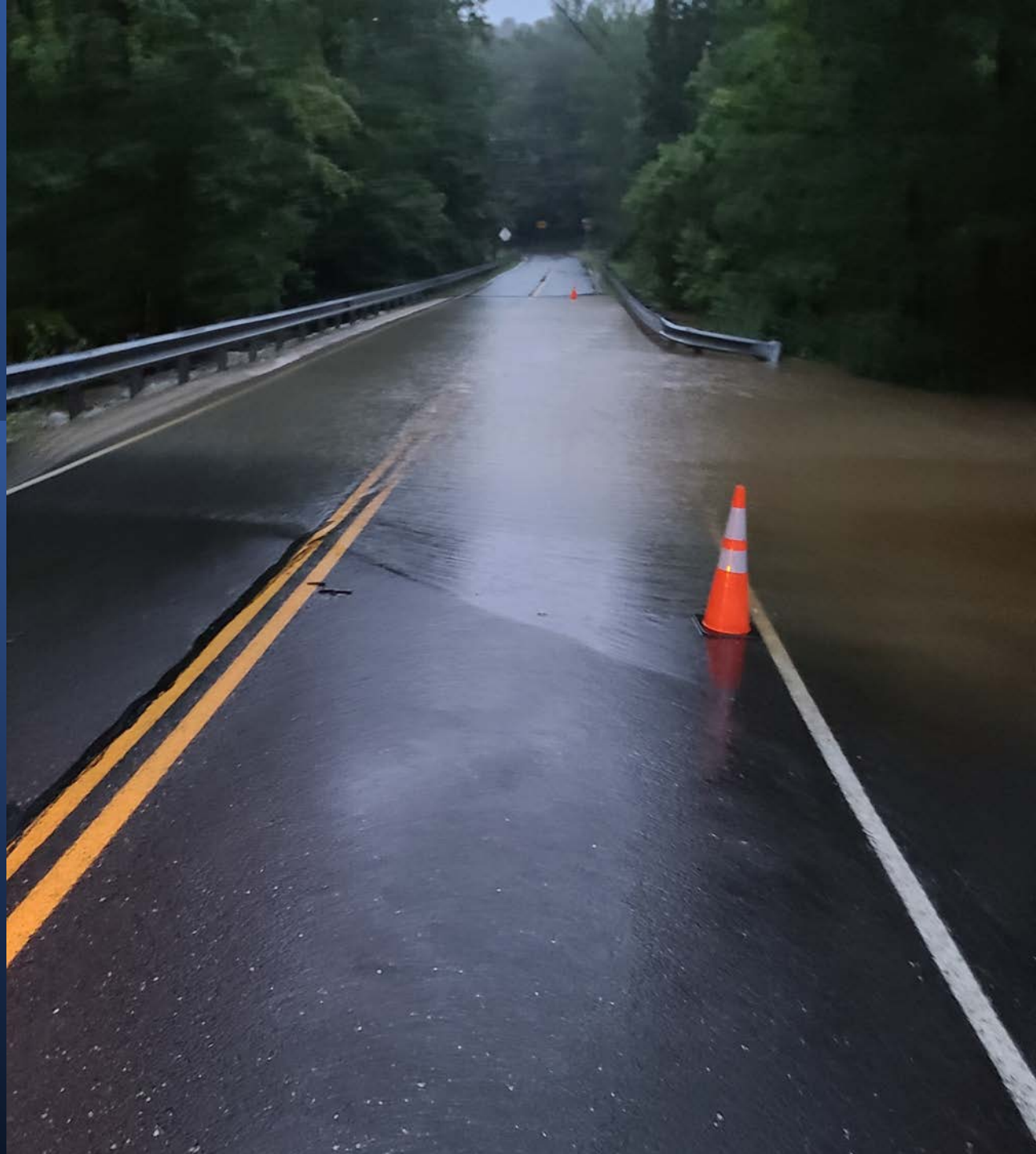
- All participants are muted.
- If you have a question, please use the chat feature to submit your question. We will be stopping at several points during the webinar to address questions.
- If you are unable to utilize the chat feature, please send your question to mitigation@mass.gov.
- A recording of this webinar will be posted on our website.



Massachusetts
Emergency
Management Agency

August 2021

**FEMA
Hazard
Mitigation
Assistance
Programs
FY 2021**





Hazard Mitigation: Saving Lives, Infrastructure, and Money

- Natural Hazard Mitigation involves:
 - **Adapting** to natural hazards
 - **Protecting** people and structures from future hazards
 - **Maintaining** consistency with resiliency and sustainability principles
 - **Minimizing** the costs of disaster response and recovery
 - **Providing** increased level of protection that will reduce or eliminate risk.

FEMA Hazard Mitigation Assistance Programs (HMA)

Building Resilient Infrastructure and Communities (BRIC)

- Non-disaster program which will be available each year.
- \$1 BILLION in funding is available nationwide for FY2021.

Flood Mitigation Assistance (FMA)

- Non-disaster programs which is typically available every year for flood-related hazards only.
- \$160 Million in funding is available nationwide for FY2021.

Hazard Mitigation Grant Program (HMGP)

- DR-4496 (Covid-19) – funding declared 8/5/2021
- \$110+ Million in funding is available statewide.

Pre-Disaster Mitigation (PDM)

- *Replaced by BRIC; no longer offered.*

Overview of Requirements

- Sub-applicants Must Have a Current FEMA-approved Hazard Mitigation Plan at Time of Application and at Time of Award.
- Projects Must Mitigate a Natural Hazard.
- Projects Should Demonstrate an Increased Level of Protection.
- Projects Must be Feasible to Implement (Regulatory, Design/Engineering, Construction).
- Projects Must Comply with Environmental and Historic Preservation (EHP) Requirements.
- Projects Must be Cost Effective (Demonstrated Through a BCA).



Eligible HMA Project Activities

Construction Projects

- Culverts & Drainage Upgrades
- Other Flood Risk Reduction Measures
- Soil Stabilization
- Dry Floodproofing
- Wildfire Mitigation
- Structure Elevation
- Property Acquisition
- Dam & Seawall Upgrades
- Generators for Critical Facilities
- Innovative Mitigation Projects

Capability & Capacity Building

- Building Code Activities
- Partnerships
- Project Scoping/Advance Assistance
- Mitigation Planning
- Planning Related Activities

What is NOT eligible for FEMA HMA Grants?

Projects that do not reduce the risk to people, structures, or infrastructure.

Projects that are dependent on another action to be effective.

Projects which are considered repair, deferred maintenance, or replacement in-kind.

Preparedness measures and response equipment.

Projects where actual physical work has already started.

Projects located in Coastal Barrier Resources System (CBRS) Units or in otherwise protected areas (OPAs), other than property acquisition.

Projects that involve land that is contaminated with hazardous waste.

Projects that primarily address ecological or agricultural issues.

Full list can be found in the FY 2015 HMA Guidance, Part III, Section E.1.3.2 & Section E.2 and Addendum Section B.2.3

FEMA HMA programs are NOT intended as a source of funding for:



Repair of buildings



Addressing deferred maintenance



Purchase of construction equipment



Building new offices or public buildings

BRIC's Guiding Principles

Guiding Principles



Support Community
Capability & Capacity Building



Encourage and Enable
Innovation



Promote Partnerships



Enable Large Infrastructure
Projects



Maintain Flexibility



Provide Consistency

Supports FEMA's Strategic Plan

1

Build a Culture of
Preparedness

2

Ready the Nation for
Catastrophic Disasters

3

Reduce the Complexity
of FEMA

FEMA Community Lifelines



<https://www.fema.gov/emergency-managers/practitioners/lifelines>

**How do I
apply?**

STEP 1

Interested sub-applicants
must submit a
STATEMENT OF INTEREST
ASAP!

(This is a simple online form that will
take less than 30 minutes to complete.)

2021 HMA Application Timeline

10/15/2021 Statement of Interest (SOI) Deadline for BRIC & FMA - SOI Deadline for HMGP will be accepted on a rolling basis.

11/15/2021 Benefit-Cost Analysis (BCA) DUE to MEMA for BRIC & FMA (Projects Only)

12/6/2021 Full FEMA GO Application Deadline for BRIC & FMA

7/11/2022 Final HMGP Application Deadline (rolling submissions accepted up until final date)



Culvert Upgrade: Becket

This project included the upgrade of an undersized culvert with a new metal arch culvert which meets the Massachusetts Stream Crossing Standards.

Project was funded through the HMGP program.

Completed Summer 2017.



Soil Stabilization: Chelmsford

Merrimack River Bank Stabilization project that focused on the protection of critical infrastructure.

Project was funded through the HMGP program.

Completed Summer 2019.



Urban Drainage Upgrade: Fall River

This project included partial combined sewer separation and drainage piping upgrades, new tree-box filters and bioswales, reducing neighborhood stormwater & critical facility flooding.

Project was funded through the HMGP program.

Completed Spring 2020.



Middle Street Fall River

Before





















After

Capability & Capacity Building (C&CB)



Nature Based Solutions (*Approaches*)

- The conservation, enhancement, and restoration of nature to reduce emissions, adaptation, and enhance resiliency. These types of solutions use natural systems, mimic natural processes, or work in tandem with traditional engineering approaches to address natural hazards like flooding, erosion, drought, and heat islands.
- Please consider these approaches during scope development to achieve valuable co-benefits.

Benefit	Reduces Stormwater Runoff				Increases Available Water Supply	Increases Groundwater Recharge	Reduces Salt Use	Reduces Energy Use	Improves Air Quality	Reduces Atmospheric CO ₂	Reduces Urban Heat Island	Improves Community Livability					Improves Habitat	Cultivates Public Education Opportunities
	Reduces Water Treatment Needs	Improves Water Quality	Reduces Grey Infrastructure Needs	Reduces Flooding								Improves Aesthetics	Increases Recreational Opportunity	Reduces Noise Pollution	Improves Community Cohesion	Urban Agriculture		
Practice																		
Green Roofs	●	●	●	●	○	○	○	●	●	●	●	●	◐	●	◐	◐	●	●
Tree Planting	●	●	●	●	○	◐	○	●	●	●	●	●	●	●	●	◐	●	●
Bioretention & Infiltration	●	●	●	●	◐	◐	○	○	●	●	●	●	●	◐	◐	○	●	●
Permeable Pavement	●	●	●	●	○	◐	●	◐	●	●	●	○	○	●	○	○	○	●
Water Harvesting	●	●	●	●	●	◐	○	◐	◐	◐	○	○	○	○	○	○	○	●
<div> <div>●</div> Yes <div>◐</div> Maybe <div>○</div> No </div>																		

Co-Benefits of Nature Based Approaches

BRIC Funding Limits

\$1 Billion (with a B!) is available for the national competition, including state allocation. \$50 Million max per project subapplication.

State Allocation for C&CB/small projects:

- Up to \$1MIL Federal Share
- Up to \$500,000 of that may be used for mitigation planning and planning-related activities.

Flood Mitigation Assistance (FMA) Funding Limits (Federal Share)

- \$160 Million is available for the national competition.
- \$300,000 per Individual flood mitigation scoping subapps.
- \$900,000 per Community flood mitigation scoping subapps.
- \$30 Million per Community flood mitigation projects.

Hazard Mitigation Grant Program (HMGP) Funding Limits (Federal Share)

- \$110,760,576 is available statewide for mitigation projects! This is particularly exciting because to date, the largest previous declaration had about \$13.2 Million in HMGP funds.

What you need to know about FEMA Hazard Mitigation Grants:

MEMA is the conduit for applications and funding to and from FEMA. MEMA manages the State Contracts/Grant Awards.

The process from grant application to grant award can take several months to a year (or longer) - please be prepared.

It is the sub-applicant's responsibility to maintain, and keep current, their local hazard mitigation plan for eligibility.

It is the sub-recipient's responsibility to ensure that proper procurement is undertaken for projects which use federal funds.

Procurement (2 CFR 200)

All applicants must adhere to federal, state, and local procurement standards, whichever is most stringent.

Procurement methods must be documented and submitted to MEMA, along with all contracts between the community and their contractors.

Key areas to review for requirements: 2 CFR Part 200 sections 317-326.

Pre-award costs must also comply in order to be eligible.

Grant Funding Terms & Conditions

All FEMA HMA grants are managed on a reimbursement basis.

FEMA will award the grant to MEMA and MEMA will execute a state contract with the community.

Quarterly reporting is required.

Any changes to the project must be approved by MEMA and FEMA prior to implementation.

All environmental conditions imposed by FEMA must be strictly followed.

All bids, specifications, permits, procurement, sub-contracts, and as-built plans must be submitted to MEMA.

Non-Federal Cost Share



- Cost share is a minimum of 25% of the total project cost.
- Under FMA, Individual Flood Mitigation Projects that include Severe Repetitive Loss (SRL) and/or Repetitive Loss (RL) home may have a local cost share reduced to (up to) 0%.
- Non-Federal cost share may include:
 - Local, state, or private cash payments (MVP Funding, Culvert Replacement Municipal Assistance Funding, etc...)
 - In-Kind Contributions (labor, equipment, materials, etc...)

Project Evaluation Criteria

Project Review Criteria

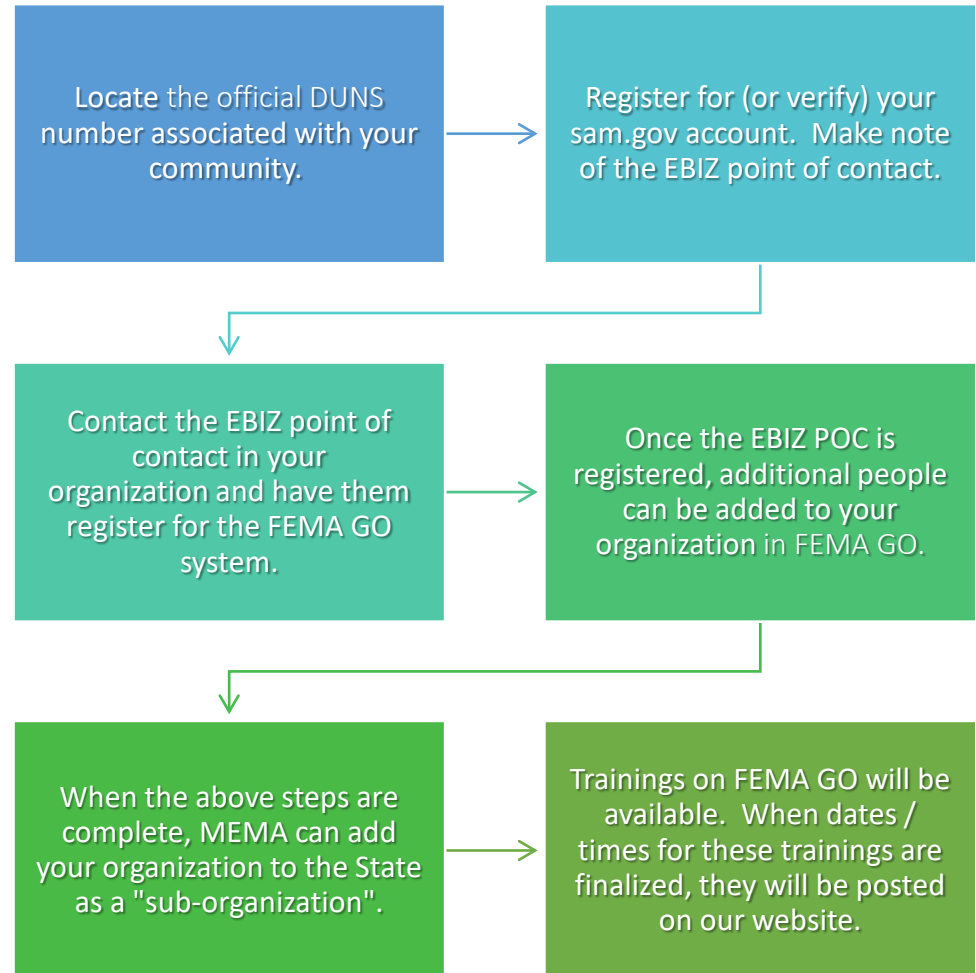
- Project Scope, Budget and Timeline
- Environmental Permitting Ability
- Benefit-Cost Analysis
- Commitment
- Consistency with Planning
- Co-Benefits and Partners
- Nature-Based Approaches
- Focuses on Critical Infrastructure
- Vulnerable Populations/Disadvantaged Communities (EO 14008)

Capability and Capacity Building Review Criteria

- Tangible Outcomes
- Building Institutional Capacity
- Risk Reduction and Climate Change
- Establishes Partners
- Public Engagement
- Nature-Based Approaches
- Focuses on Critical Infrastructure
- Vulnerable Populations/Disadvantaged Communities (EO 14008)



Steps Required to Submit a Full Application (BRIC & FMA)





Application Elements

Applicant Information

Hazard Mitigation Plan Information

Scope of Work

Schedule – Max. of 36 months is generally allowed

Detailed Budget (not lump sum amounts)

Source of Local Cost Share

FEMA Benefit-Cost Analysis (BCA)

Environmental (EHP) Considerations

Additional documentation may be required depending on the specific project type. Please refer to the FEMA NOFO for more information.

Scope of Work Considerations

Describe the need for the activity. Why does it need to be completed?

Who will the project benefit or impact?

How will the project be implemented?

Describe how the project is technically feasible.

Include who will manage and be responsible for completing the project.

Will the project address the hazards identified and what risks will remain after implementation?

Provide information on maintenance that will be required once the project is complete.

Project Schedule

- Develop an estimated project schedule with breakdown of time periods; include all important "Go/No-Go Milestones" (BRIC projects only).
- Schedule should reflect duration in number of months to complete each task (do not list calendar dates).
- All tasks identified in the SOW and cost estimate should appear in the schedule and be consistent.
- BRIC allows for up to 36 months (a longer POP may be requested but requires FEMA approval).



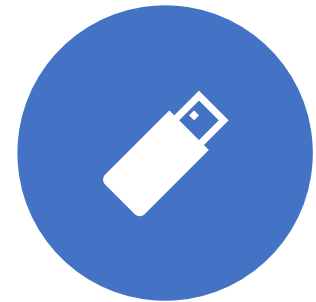
Benefit-Cost Analysis (BCA) REQUIRED



Don't wait to start thinking about the BCA. This should be used as a project screening tool.




The BCA looks at damages before and after mitigation and calculates the benefit-cost ratio weighing the project cost against benefits and avoided damages.



FEMA BCA v6.0 must be used. Older versions are no longer supported.

Environmental and Historic Preservation Considerations (EHP)

EHP refers to FEMA's review process for ensuring the protection and enhancement of environmental, historic, and cultural resources, as required by law.



The EHP review process ensures project compliance with 44 C.F.R. Parts 9, Floodplain Management and the Protection of Wetlands and Part 10, Environmental Considerations, and with all applicable EHP laws including but not limited to:

**National
Environmental
Policy Act
(NEPA)**

**National
Historic
Preservation
Act (NHPA)**

**Endangered
Species Act
(ESA)**

**E.O. 11988
(Floodplain
Management)**

**E.O. 11990
(Protection of
Wetlands)**

Review Process

All full applications will be reviewed and ranked by a state interagency panel based on the evaluation criteria listed in the State NOFO.



Applications will be sent to FEMA for review.



BRIC & FMA

If an application is "Identified for Further Review", FEMA Region 1 will conduct this review (primarily EHP) and request additional information, if needed.

HMGP

Once FEMA review is complete, a determination letter will be issued, or additional information will be requested.

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Program Support Materials

[MEMA Hazard Mitigation Website](#)

[MEMA Statement of Interest](#)

BRIC STATE Notice of Funding Opportunity (BRIC/FMA/HMGP)

[Benefit-Cost Analysis \(BCA\) Download](#)

[Hazard Mitigation Assistance Guidance](#)

[FY 21 FEMA BRIC Notice of Funding Opportunity](#)

[FY 21 FEMA FMA Notice of Funding Opportunity](#)

[FEMA GO Portal](#)

[FEMA BRIC Webinars](#)

[FEMA Mitigation Action Portfolio](#)

BCA Helpline – BCHelpline@fema.dhs.gov - 855-540-6744

EHP Helpline – EHPHelpline@fema.dhs.gov - 866-222-3580

Contact Us:



Shelly O'Toole

MEMA Region 1 & 3

Michelle.OToole@mass.gov

(508) 820-1443

David Woodbury

MEMA Region 2 & 4

David.Woodbury@mass.gov

(508) 820-2034

STATEMENT OF INTEREST DEADLINES:

BRIC & FMA – October 15, 2021

HMGP – Currently being accepted on a rolling basis