

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.





Flood Mitigation Assistance (FMA)

Massachusetts Emergency
Management Agency

September 2020





**Floodplain Buyout
Greenfield MA**

Hazard Mitigation: Saving Lives, Infrastructure, and Money

- Adapting to natural hazards
- Protecting people and structures from future hazards
- Maintaining consistency with resiliency and sustainability principles
- Minimizes the costs of disaster response and recovery
- Provides increased level of protection that will reduce or eliminate risk.

FEMA Hazard Mitigation Assistance Programs (HMA)

Flood Mitigation Assistance (FMA): Funding typically available every year for flood-related hazards only. Funding is available nationwide.

Building Resilient Infrastructure and Communities (BRIC): NEW program which will be available each year. Funding is available nationwide.

Pre-Disaster Mitigation (PDM): Replaced by BRIC.

Hazard Mitigation Grant Program (HMGP): Funding is not currently available.

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

- ☒ *Repair of buildings*
- ☒ *Addressing deferred maintenance*
- ☒ *New construction or additions*

What is Flood Mitigation Assistance?

The FMA program makes federal funds available to reduce or eliminate the risk of repetitive flood damage to buildings and structures insured under the [National Flood Insurance Program](#) (NFIP).



Eligible FMA Project Activities

- Project Scoping (Advance Assistance)
- Community Flood Mitigation Projects
- Flood Hazard Mitigation Planning
- Individual Flood Mitigation Projects

How do I
apply?

Interested sub-applicants
must submit a
STATEMENT OF INTEREST
by October 16, 2020.



2020 FMA Grant Timeline

10/16/2020

Statement of Interest (SOI) Deadline

10/26/2020

Invitations for Full Applications in
FEMA GO

11/24/2020

Benefit-Cost Analysis (BCA) DUE to
MEMA (Projects Only)

12/11/2020

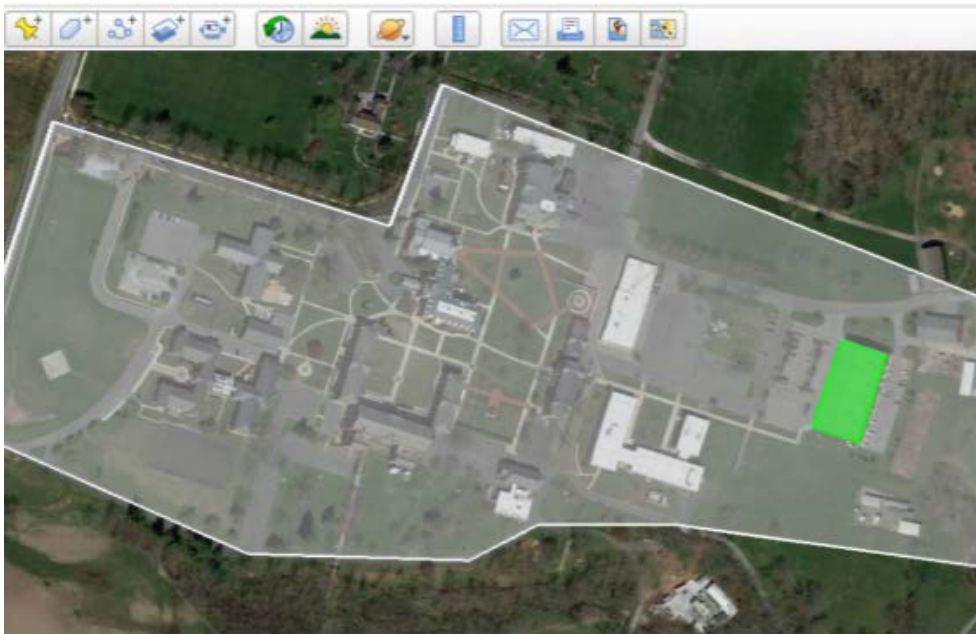
Full FEMA GO Application Deadline



Community Flood Mitigation Project Types

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

Benefitting Area Maps

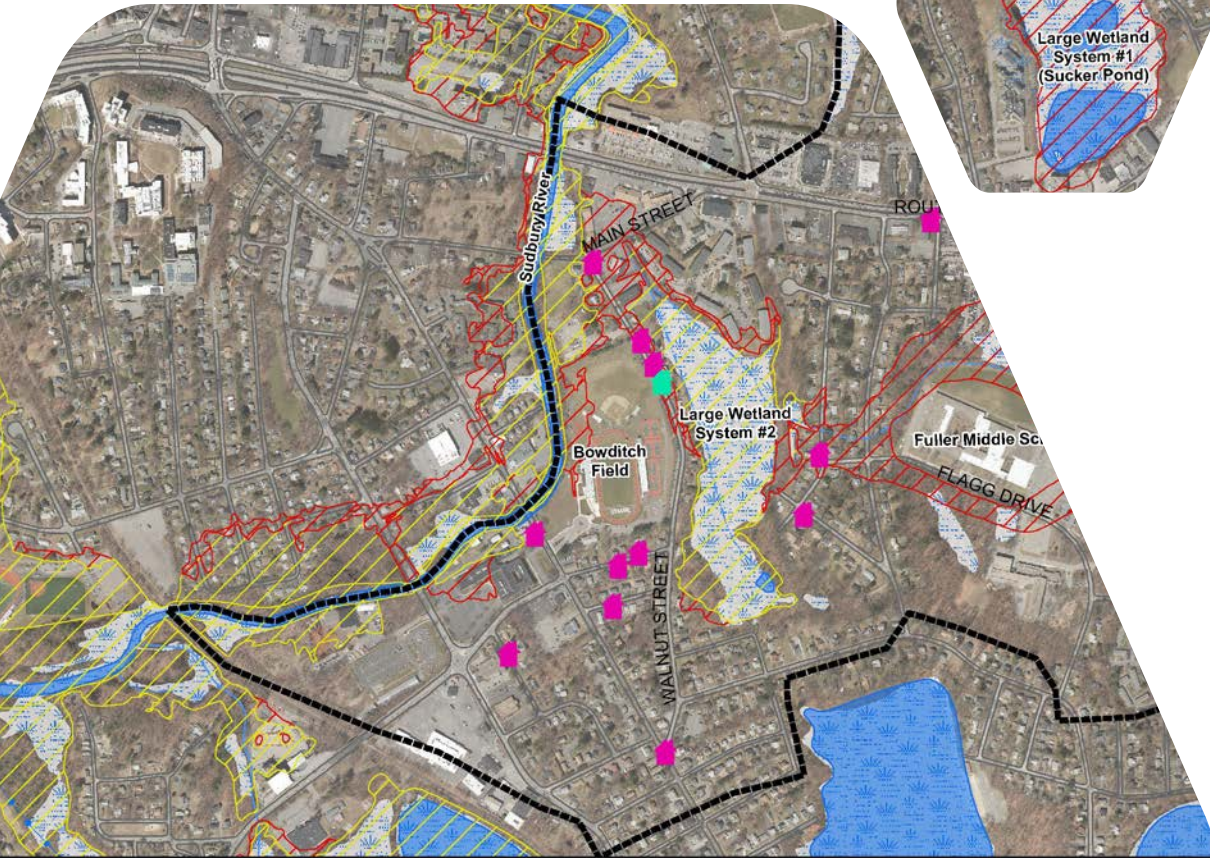


Geospatial files highlighting the proposed project benefitting area are required for all Community Flood Mitigation Project Applications.



Project Scoping:

Framingham



Flood Mitigation Study Project Includes:

- Data collection
- Topographic survey
- Hydrologic modeling
- Alternatives Analysis
- Permitting Assessment

Flood Mitigation Study Project Includes:
 Flood Zone
 Flood Zone
 Water bodies
 Severe Repetitive Loss Property (within sub-basin)
 Repetitive Loss Property (within sub-basin)



Structure Elevation: Scituate

- Structure elevation is identified as a hazard mitigation strategy.
- Homes must be structurally sound in order to elevate.
- Must meet NFIP, MSBC & ASCE 24-14 standards.
- Funded through FMA



Repetitive Loss (RL) and Severe Repetitive Loss (SRL) Properties

For detailed data on properties in your community, please contact:

Garrett Fish

Emergency Management Specialist

FEMA Region 1



















202-957-4109

garrett.fish@fema.dhs.gov



Nature Based 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 or erosion.
- 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	●	●	●	●	●	◐	○	◐	◐	◐	○	○	○	○	○	○	○	●

● Yes

◐ Maybe

○ No

Co-Benefits of Nature Based Approaches



Questions

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 to 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 typically 25% of the total project for Community Flood Mitigation Projects cost.
- Individual Flood Mitigation Projects often have no federal cost share if the home is Severe Repetitive Loss or Repetitive Loss.
- Non-Federal cost share may include:
 - Local, state, or private cash payments (MVP Funding, Culvert Replacement Municipal Assistance Funding, etc...)
 - For private homes, if there is a cost share, it would come from the homeowner
 - In-Kind Contributions (labor, equipment, materials, etc...)

Project Evaluation Criteria

Project Review Criteria

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

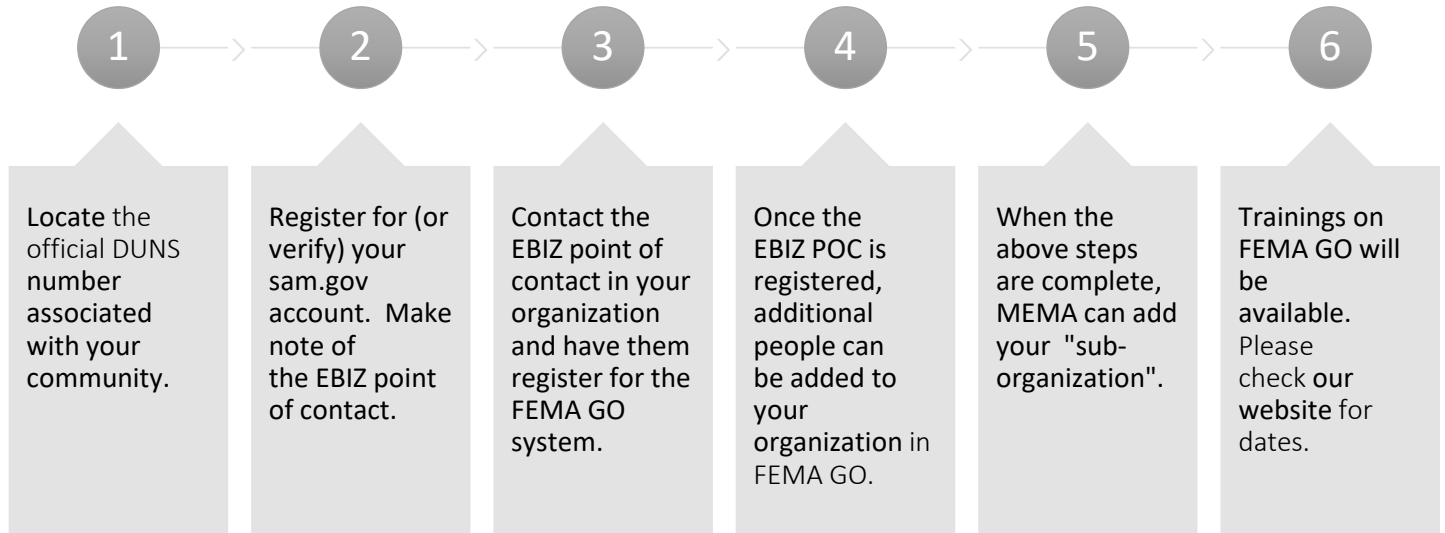
Planning Review Criteria

- Tangible Outcomes
- Risk Reduction and Climate Change
- Vulnerable Populations
- Current Plan Status
- Nature-Based Approaches
- Municipal Vulnerability Preparedness

FEMA GRANTS OUTCOMES



Steps Required to Submit a Full Application



Application Elements

Applicant Information

Hazard Mitigation Plan
Information

Scope of Work

Project Schedule – 36
months typical (Max of 48
months is allowed for
community flood mitigation
projects)

Detailed Budget

Source of Local Cost Share

FEMA Benefit-Cost Analysis
(BCA)

Environmental
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 time periods that include all important milestones.
- Schedule should reflect duration in number of months to complete each task.
- All tasks identified in the SOW and cost estimate should appear in the schedule.
- FMA allows for up to 36 months with an opportunity to extend with justification.

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)

Benefit-Cost Analysis (BCA) REQUIRED

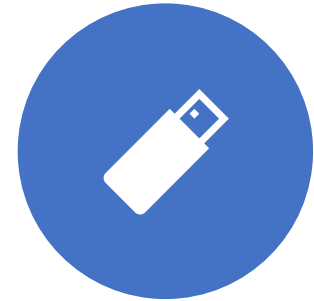
**There is a BCA waiver (pre-calculated benefits) available for "Individual Mitigation Projects" this includes home elevations & acquisitions.



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.

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 Headquarters for their review.



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

A large graphic on the left side of the slide. It features a white silhouette of a person with arms raised, set against a blue background. The figure is positioned within a blue circular shape that has a white circle above it, resembling a head or a sun. The entire graphic is set against a white background.

Program Support Materials

[MEMA Hazard Mitigation Website](#)

MEMA Statement of Interest

[FMA State Notice of Funding Opportunity \(NOFO\)](#)

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

[Hazard Mitigation Assistance Guidance](#)

[FEMA FMA Notice of Funding Opportunity \(NOFO\)](#)

[Geospatial File Job Aid \(Community Flood Projects Only\)](#)

[FEMA GO Portal](#)

[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 DEADLINE – OCTOBER 16, 2020 – 5:00PM