

FEMA Hazard Mitigation Assistance

Stormwater Financing

Workshop

Massachusetts Emergency
Management Agency
July 2023





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

Funding Opportunities

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

- Annual grant cycle
- Expected to open late summer / early fall
- Applications submitted by early December

Hazard Mitigation Grant Program (HMGP)

- Offered after a declared disaster

Building Resilient Infrastructure and

~~Communities (BRIC)~~

- Hazard mitigation funding for states, tribal governments, and local communities
- Initiated in 2020
- Replaces Pre-Disaster Mitigation (PDM) Program
- Establishes an annual national competitive award
 - Qualitative and quantitative evaluation criteria
 - Between \$500 Million - \$2 Billion in grant funding awarded annually
 - Funds projects up to \$50 Million (Federal Share)
 - Projects can be up to 36 (or 48) months
- Annual Notice of Funding Opportunity (NOFO)

Flood Mitigation Assistance (FMA)

- Funding for projects that reduce or eliminate risk of flood damage to buildings that are insured under the National Flood Insurance Program (NFIP)
- Community must participate in NFIP
- Awarded Annually
- Nationwide Competitive Review Process
- Same timeline as BRIC
- Annual Notice of Funding Opportunity (NOFO)

Hazard Mitigation Planning

- First phase in the mitigation process
- Helps establish mitigation strategy and outline priorities for identifying mitigation activities
- Identifies potential projects relative to hazard risk
- **Hazard Mitigation Plan (HMP)**
 - **REQUIRED TO RECEIVE PROJECT FUNDING (Approved and up-to-date)**



Local Mitigation
Planning Handbook

h 2013

Eligible Activities

	Hazard Mitigation Grant Program	Hazard Mitigation Grant Program - Post Fire	Building Resilient Infrastructure and Communities	Flood Mitigation Assistance
1. Mitigation Projects				
Property Acquisition	•	•	•	•
Structure Elevation	•	•	•	•
Mitigation Reconstruction	•	•	•	•
Flood Risk Reduction Measures	•	•	•	•
Stabilization	•	•	•	•
Dry Floodproofing Non-Residential Buildings	•	•	•	•
Tsunami Vertical Evacuation	•	•	•	
Safe Rooms	•	•	•	
Wildfire Mitigation	•	•	•	
Retrofitting	•	•	•	•
Generators	•	•	•	
Earthquake Early Warning Systems	•	•	•	
Innovative Mitigation Projects	•	•	•	•
2. Capability and Capacity Building				
New Plan Creation and Updates	•	•	•	•
Planning-Related Activities	•	•	•	•
Project Scoping/Advance Assistance	•	•	•	•
Financial Technical Assistance				•

What is not Eligible for HMA?

- 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 of existing infrastructure.
- 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.

HMA Project Requirements



Mitigate a Natural Hazard



Improved Level of Protection (LOP)



Feasible to Implement

Regulatory
Design
Construction



Cost Effective



Environmental and Historic Preservation (EHP)

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.



Before



After

Soil Stabilization : Chelmsford

Merrimack River Bank Stabilization project that focused on the protection of a critical sewer line.

Project was funded through the HMGP program.

Completed Summer 2019.



Before



After

Flood Resiliency Retrofit: Hull

This project will elevate critical electrical assets at the Hull Wastewater Pollution Control Facility to an elevation above current flood elevation levels and above future flood elevations with sea-level rise.

Project is underway and being funded through the HMGP program.

Project is scheduled to be completed in Summer 2024.



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.

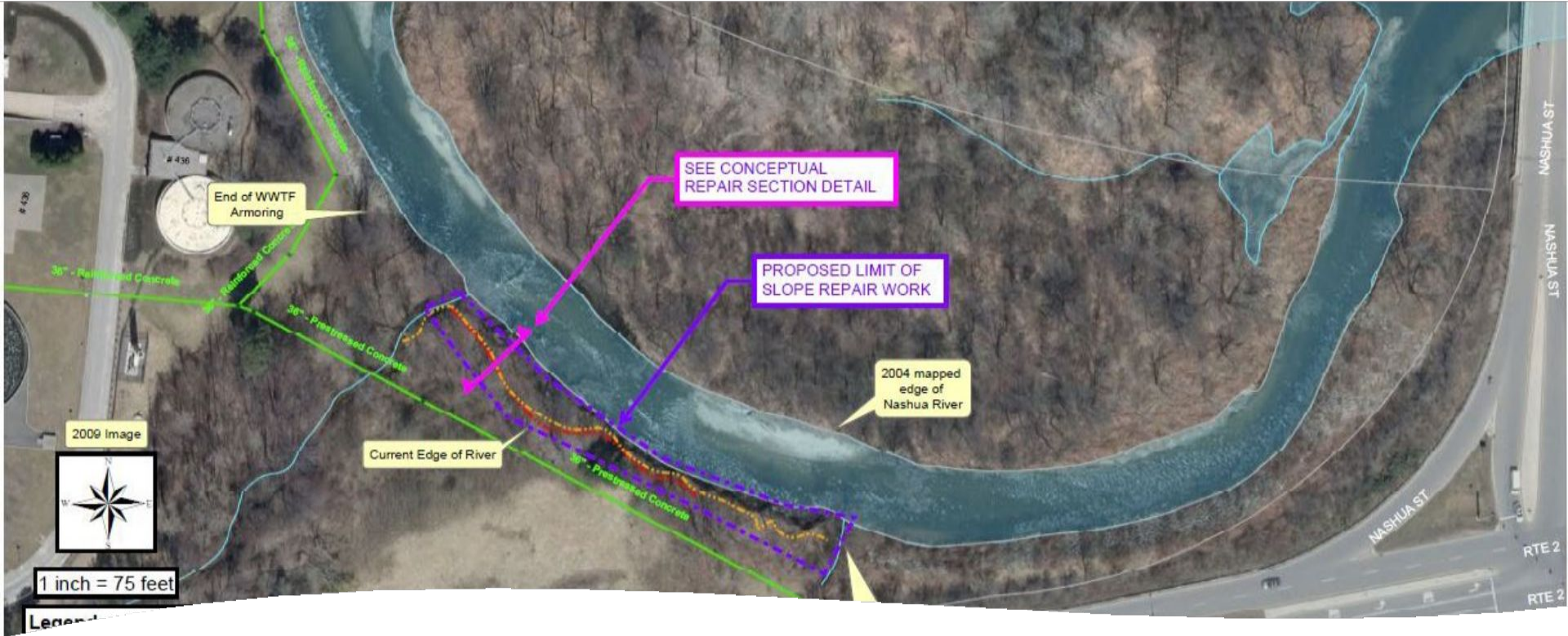


Middle Street Fall River

Before



After



Bank Stabilization : Leominster

Nashua River - Bank Stabilization project focuses on the protection of a critical sewer line and wastewater treatment facility.

Project is underway and being funded through the HMGP program.

Project is scheduled to be completed in Summer 2024.



Project Benefits

- Flood Mitigation
- Channel Improvements
- Improved Wildlife Habitat
- Improved Public Access
- Increase in Fish Passage

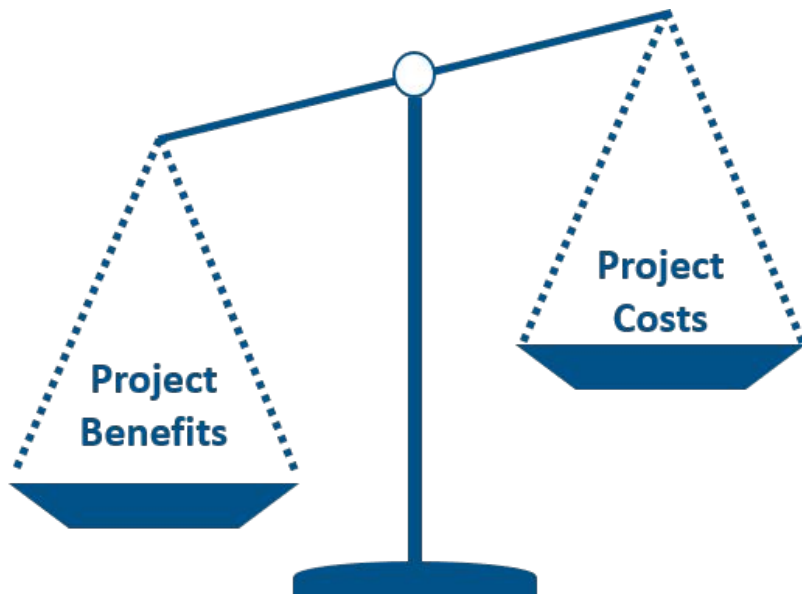
Central Street Bridge Upgrade and Central Pond / Sawmill Brook Restoration

Manchester-by-the-Sea
Funded through BRIC FY20

Non-Federal Cost Share



- Cost share is typically 25% of the total project for cost.
- 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.)



What is a Benefit Cost Analysis (BCA)

?

- Benefit-Cost Analysis (BCA) is a method that quantifies the benefits of a mitigation project compared to its costs
- Establishes Cost Effectiveness
- Goal: break the cycle of damage, reconstruction, and repeated damage
- Required for any FEMA funded construction project.

**Technical
Assistance**

**Technical Assistance
Available**

**Submit a Statement of
Interest (SOI)
on MEMA's Website**

MEMA Technical Assistance

Multi-Year Project Development Pipeline

- Integration with State and Local Hazard Mitigation Plans
- Coordination with other relevant state and local programs

Direct Support and Coordination with MEMA Mitigation Point of Contacts

Rolling/Open Statement of Interest (SOI) Process

Iterative State Application Review

Multi-level Technical Assistance

- Education and Awareness
- Capacity Development
- Application Support
- Direct Technical Support

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 subrecipient's responsibility to ensure that proper

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.

A large, stylized white graphic of a person with arms raised, set against a blue circular background. The figure is composed of simple shapes: a circle for the head, a thick white line for the torso and arms, and a white circle for the head. The background is a solid blue color with a slight gradient.

Program Support Materials

[MEMA Hazard Mitigation Website](#)

[MEMA Statement of Interest](#)

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

[Hazard Mitigation Assistance Guidance](#)

[FEMA GO Portal](#)

[BRIC & FMA Information](#)

[FEMA Mitigation Action Portfolio](#)

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

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

Contact MEMA



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[MEMA Hazard Mitigation Website](#)

Questions

