



Source: NH Journal



Hazard Mitigation

What is Mitigation?



WHAT IS MITIGATION?

Mitigation is the effort to reduce loss of life and property by lessening the impact of disasters

Mitigation is Taking Action Now Before the Next Disaster to Reduce Human and Financial Consequences Later

“Hazard Mitigation is any action taken to reduce or eliminate long term risk to people and property from natural disasters. – FEMA

What is Mitigation?



- Mitigation is one part of the Emergency Management Response Cycle

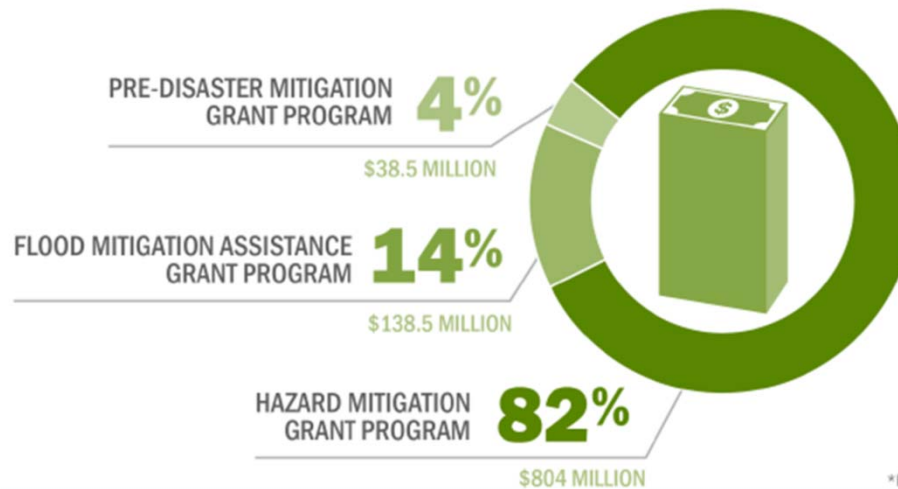
Why Mitigate?



Why Mitigate?



In 2016, nearly
ONE BILLION DOLLARS in Pre- and Post-Disaster
Hazard Mitigation Assistance Grants
was delivered to states, tribes, and communities
that will result in mitigation actions that **reduce risk**



State and Local Plans



Town of Clarksville, New Hampshire



Hazard Mitigation Plan

- State and Local Hazard Mitigation Plans are a requirement to receive funding under the HMA grant programs

Stronger Mitigation Together



87%

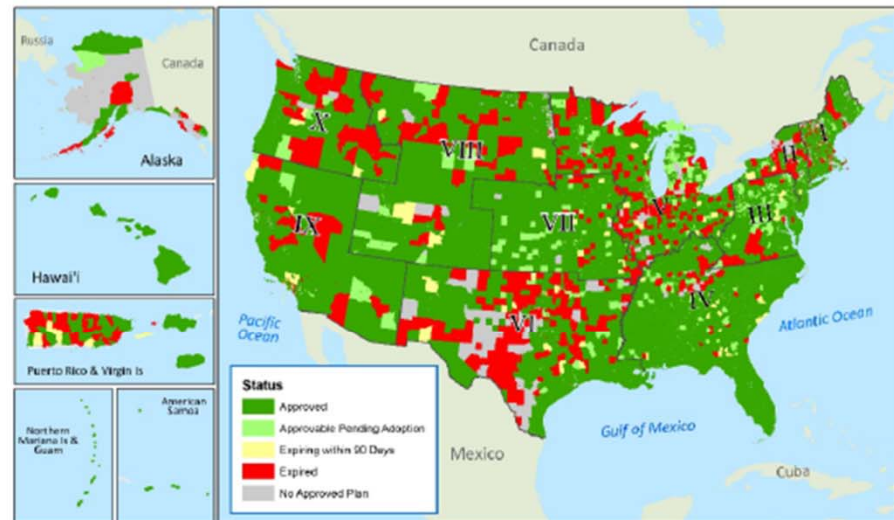
of the nation's population lives in communities with current* mitigation plans.

50 states, DC, and five territories

20,705 local governments

172 tribal governments

* FEMA-approved or approvable-pending-adoption

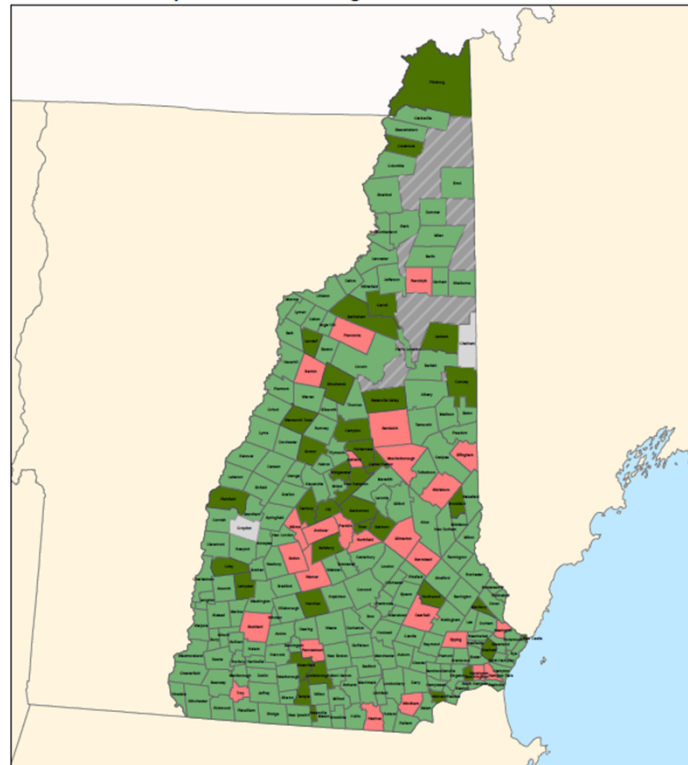


Local Hazard Mitigation Plan Status
as of December 31, 2018

NH Mitigation Strong



New Hampshire Hazard Mitigation Plan Status as of 5/29/19



Legend

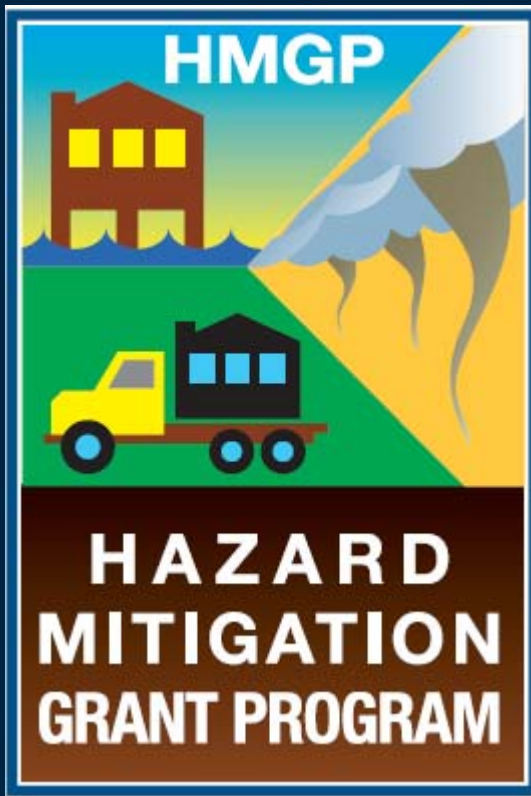
- Unincorporated areas
- Approved, expiring within 1 year
- No Plan
- Expired
- Approved, not expiring within 1 year

40 Miles



Data sources: FEMA Community Data Layer, US Census TIGER Polygons, Statistics Canada

Types of Hazard Mitigation Assistance funding



Who is eligible?



Eligible Applicants and Subapplicants

States, territories, and federally-recognized tribal governments are eligible HMA Applicants. Each State, territory, and federally-recognized tribal government shall designate one agency to serve as the Applicant for each HMA program. All interested subapplicants must apply to the Applicant.

Individuals and businesses may not apply directly to the State, territory, or FEMA, but eligible local governments may apply on their behalf.

The table below identifies, in general, eligible subapplicants.

Eligible Subapplicants	HMGP	PDM	FMA
State agencies	✓	✓	✓
Federally-recognized tribes	✓	✓	✓
Local governments/communities*	✓	✓	✓
Private nonprofit organizations (PNPs)	✓		

✓ = Subapplicant is eligible for program funding

* Local governments/community may include non federally-recognized tribes, or consistent with definition of local government at 44 CFR 201.2, may include any Indian tribe or authorized tribal organization, or Alaska Native village or organization that is not federally-recognized per 25 U.S.C. 479a et seq.

What if I am an individual homeowner?



- If you are a homeowner your community must apply on your behalf

The State is
the Applicant

The Town is
the Sub-
Applicant

The
Homeowner
is the
beneficiary
of funds

Funding and Cost Share



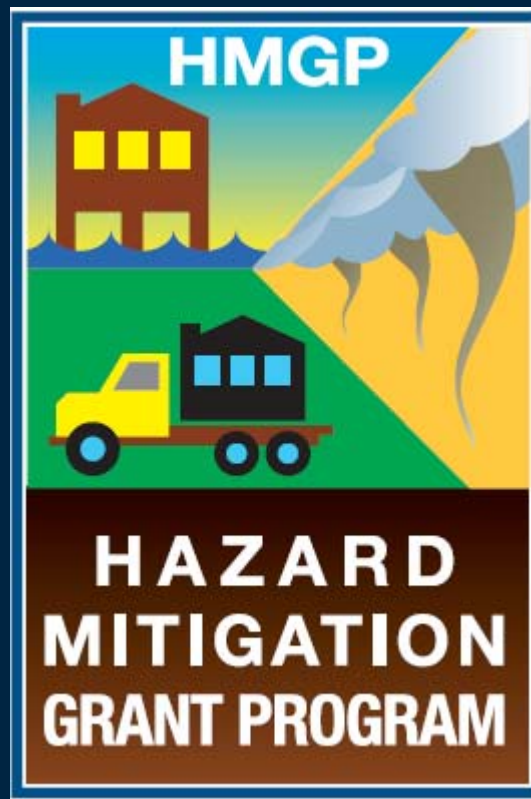
Cost Sharing

In general, HMA funds may be used to pay up to 75 percent of the eligible activity costs. The remaining 25 percent of eligible costs are derived from non-Federal sources.

The table below outlines the Federal and State cost share requirements.

Program Cost Share Requirements	Mitigation Activity Award (Percent of Federal/ Non-Federal Share)
HMGP	75 / 25
PDM	75 / 25
PDM (subrecipient is small impoverished community)	90 / 10
PDM (federally-recognized tribal Recipient is small impoverished community)	90 / 10
FMA (Insured properties and planning grants)	75 / 25
FMA (repetitive loss property with repetitive loss strategy)	90 / 10
FMA (severe repetitive loss property with repetitive loss strategy)	100 / 0

Types of Hazard Mitigation Assistance funding



Hazard Mitigation Grant Program



The Hazard Mitigation Grant Program (HMGP) is authorized by



Section 404 of the Robert T. Stafford Disaster Relief and Emergency Assistance Act, as amended (the Stafford Act), Title 42, United States Code (U.S.C.) 5170c. The key purpose of

HMGP is to ensure that the opportunity to take critical mitigation measures to reduce the risk of loss of life and property from future disasters is not lost during the reconstruction process following a disaster. HMGP is available, when authorized under a Presidential major disaster declaration, in the areas of the State or territory requested by the Governor. The amount of HMGP funding available to the Applicant is based upon the total Federal assistance to be provided by FEMA for disaster recovery under the Presidential major disaster declaration. Federally-recognized tribal governments can submit a request for a major disaster declaration within their impacted areas.

- In August there was a new disaster declaration for New Hampshire DR 4457 so funding for HMGP will become available
- Letters of Intent for 4457 are being accepted through October 4, 2019

Funding Depends on a Disaster Declaration

Not Nationally Competitive (NH Only)

75/25 Cost Share

Eligible Hazard Mitigation Grant Program Projects



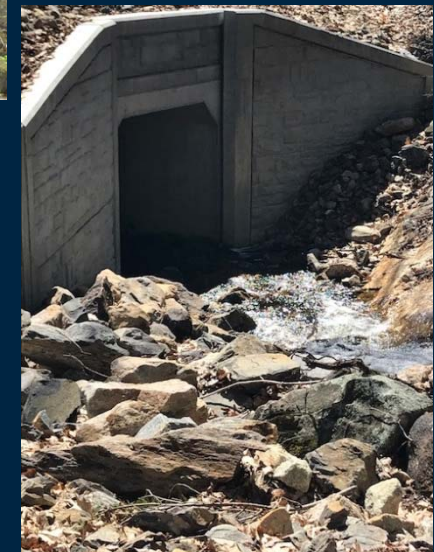
Eligible Activities	HMGP
1. Mitigation Projects	✓
Property Acquisition and Structure Demolition	✓
Property Acquisition and Structure Relocation	✓
Structure Elevation	✓
Mitigation Reconstruction	✓
Dry Floodproofing of Historic Residential Structures	✓
Dry Floodproofing of Non-residential Structures	✓
Generators	✓
Localized Flood Risk Reduction Projects	✓
Non-localized Flood Risk Reduction Projects	✓
Structural Retrofitting of Existing Buildings	✓
Non-structural Retrofitting of Existing Buildings and Facilities	✓
Safe Room Construction	✓
Wind Retrofit for One- and Two-Family Residences	✓
Infrastructure Retrofit	✓
Soil Stabilization	✓
Wildfire Mitigation	✓
Post-Disaster Code Enforcement	✓



4105-DR

Barrington, NH

Young Road
Culvert Project



DR	TOWN	PROJECT
4371	Plymouth	Localized Flood Risk Reduction
4371	Grafton	Localized Flood Risk Reduction
4370	Lee	Localized Flood Risk Reduction
4355	Groton	Localized Flood Risk Reduction
4355	Keene	Generator
4355	Plymouth State University	Acquisition-Withdrawn
4355	Surry	Localized Flood Risk Reduction
4329	Campton	Generator
4329	Dorchester	Localized Flood Risk Reduction
4329	Lyme	Localized Flood Risk Reduction
4329	Keene	Generator

Current HMGP projects



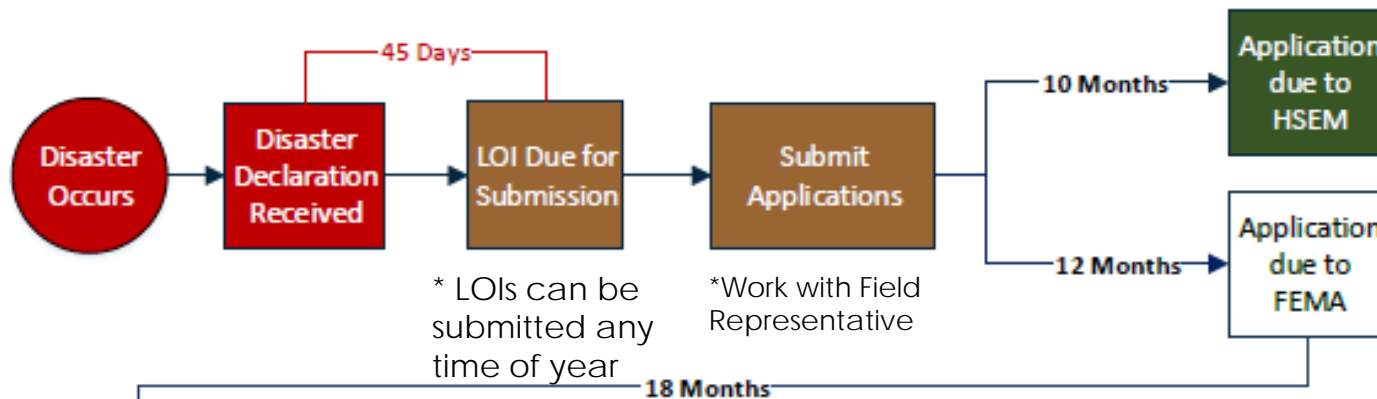
Timeline Hazard Mitigation Grant Program



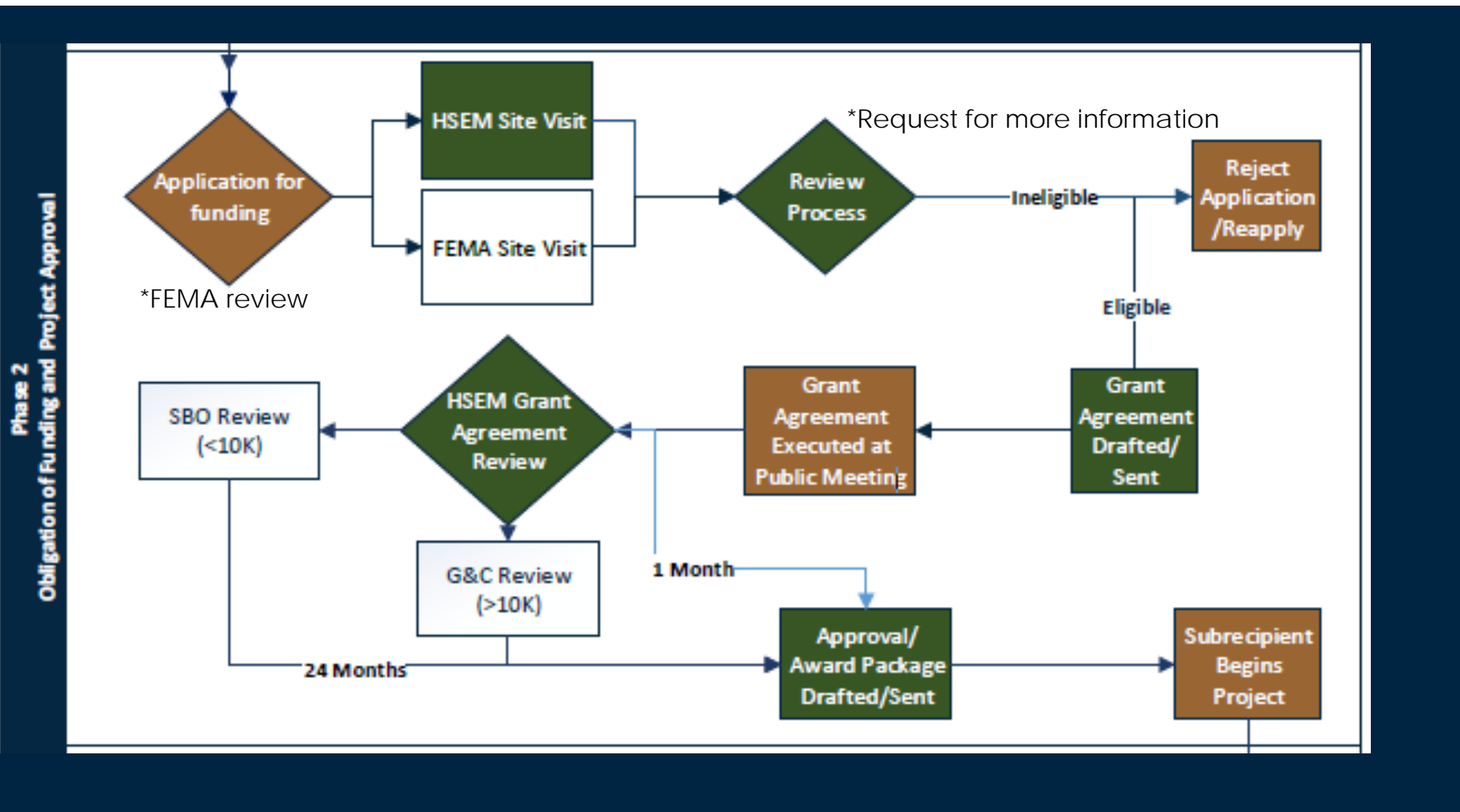
Hazard Mitigation Grant Program (HMGP) – State of New Hampshire

HSEM – Homeland Security Emergency Management | SBO – Safety Business Office | G&C – Governor and Council
QPR – Quarterly Progress Reporting | P&E Report – Performance and Expenditure Report | LOI – Letter of Intent

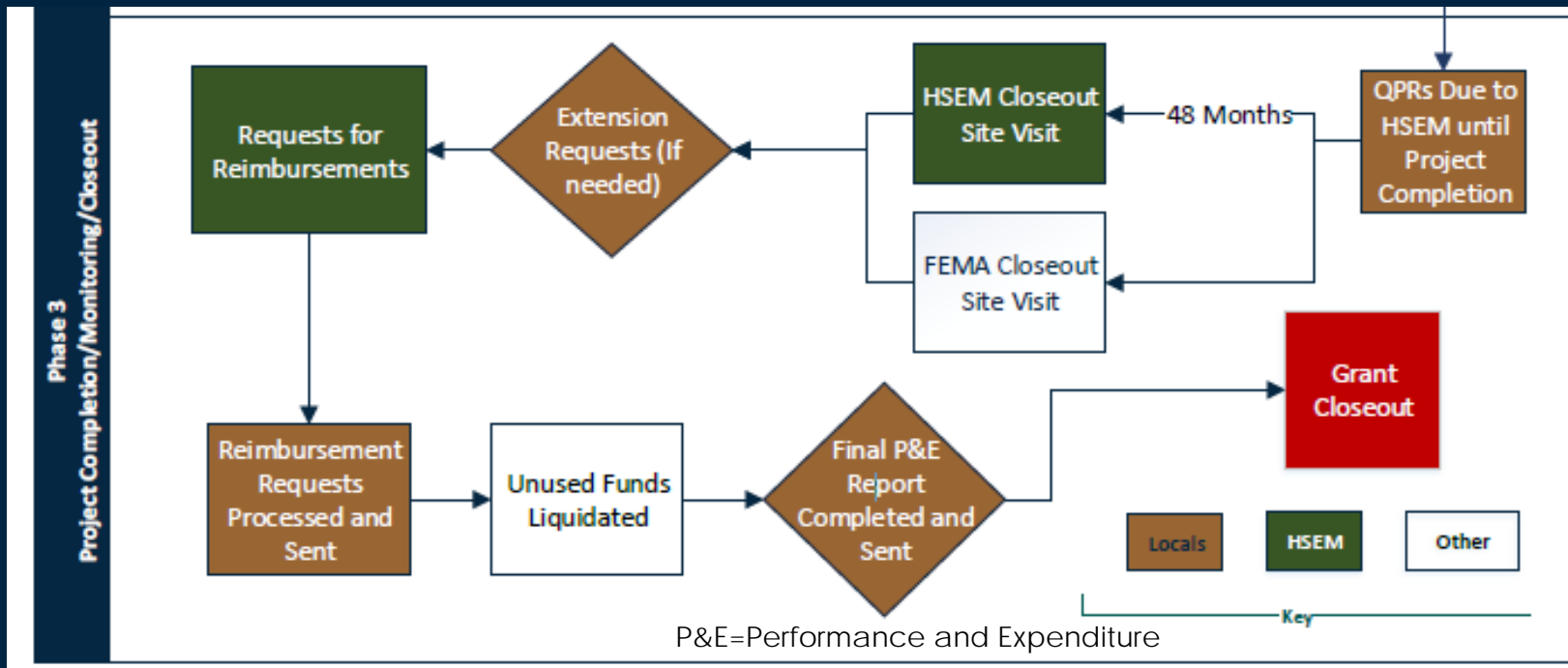
Phase 1
Funding and Application Eligibility



Timeline Hazard Mitigation Grant Program



Timeline Hazard Mitigation Grant Program



Types of Hazard Mitigation Assistance funding



Types of Mitigation Projects and Funding –Pre-Disaster Mitigation



The Pre-Disaster Mitigation (PDM)

program is authorized by Section 203 of the Stafford Act, 42 U.S.C. 5133. The PDM program is designed to assist States, territories, federally-recognized tribes, and local communities in implementing a sustained pre-disaster natural hazard mitigation program to reduce overall risk to the population and structures from future hazard events, while also reducing reliance on Federal funding from future disasters.



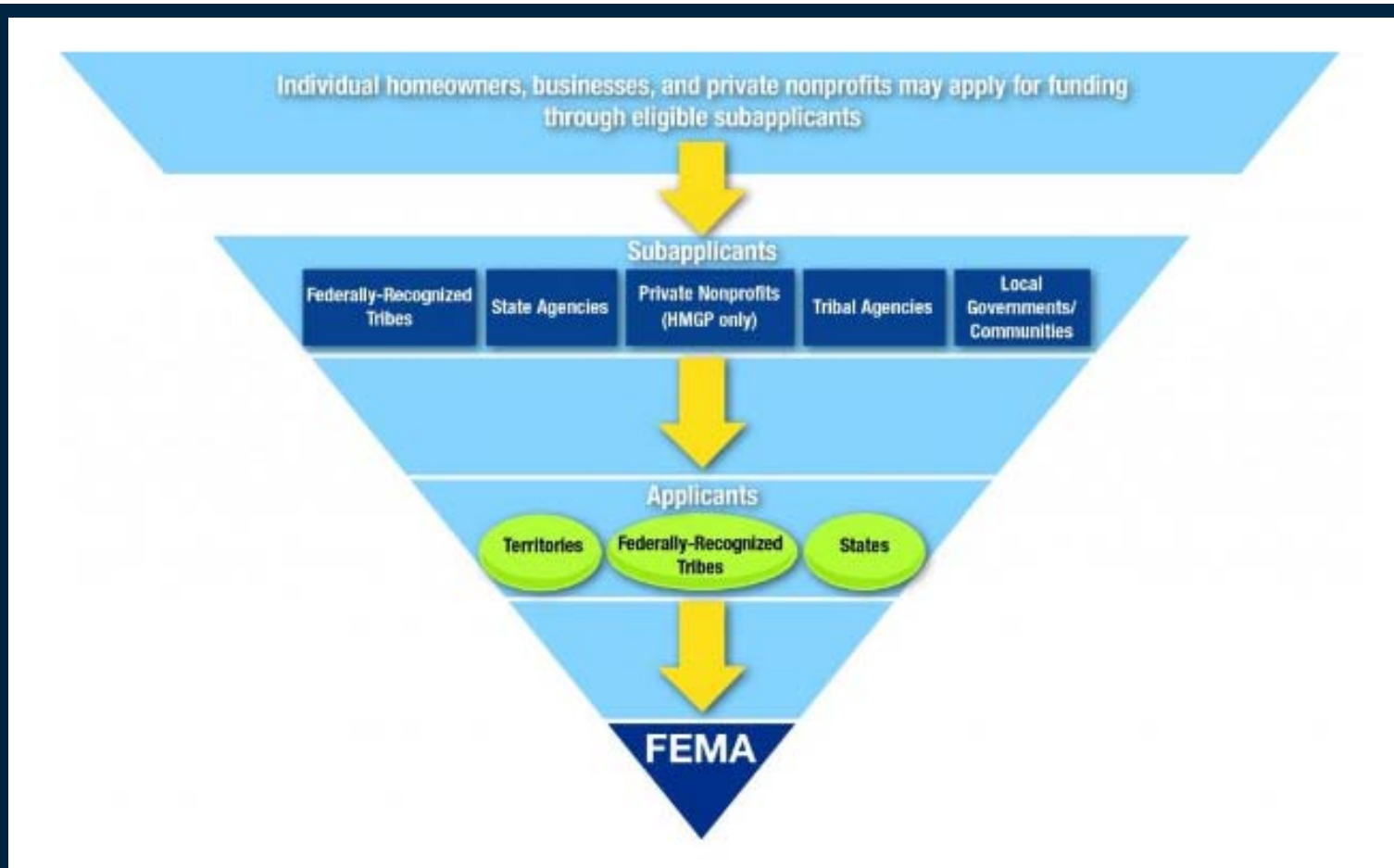
- Pre-Disaster Mitigation Funding for FFY 2019 are now available.
- NH HSEM is accepting letters of intent through October 4, 2019

Federally funded annually

Nationally Competitive

75/25 Cost Share

Pre-Disaster Mitigation Eligible Applicants



Eligible Pre-Disaster Mitigation Projects



Eligible Activities	PDM
1. Mitigation 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	✓
Generators	✓
Localized Flood Risk Reduction Projects	✓
Non-localized Flood Risk Reduction Projects	✓
Structural Retrofitting of Existing Buildings	✓
Non-structural Retrofitting of Existing Buildings and Facilities	✓
Safe Room Construction	✓
Wind Retrofit for One- and Two-Family Residences	✓
Infrastructure Retrofit	✓
Soil Stabilization	✓
Wildfire Mitigation	✓
2. Hazard Mitigation Planning	✓



PDM' 13

Marlow, NH

Sand Pond Road Culvert Project

Types of Hazard Mitigation Assistance funding



Types of Mitigation Projects and Funding-Flood Mitigation Assistance



- Must be insured with NFIP
- FMA FFY 2019 is available and letter of intent are being accepted through October 4, 2019.

The Flood Mitigation Assistance (FMA) program is authorized by Section



1366 of the National Flood Insurance Act of 1968, as amended (NFIA), 42 U.S.C. 4104c, with the goal of mitigating flood damaged properties to reduce or eliminate claims under the National Flood Insurance Program (NFIP).

Federally funded annually

Must be insured by NFIP

Cost matching varies

Eligible Flood Mitigation Assistance Projects



Eligible Activities	FMA
1. Mitigation 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	✓
Generators	
Localized Flood Risk Reduction Projects	✓
Non-localized Flood Risk Reduction Projects	
Structural Retrofitting of Existing Buildings	✓
Non-structural Retrofitting of Existing Buildings and Facilities	✓
Safe Room Construction	
Wind Retrofit for One- and Two-Family Residences	
Infrastructure Retrofit	✓
Soil Stabilization	✓
2. Hazard Mitigation Planning	✓

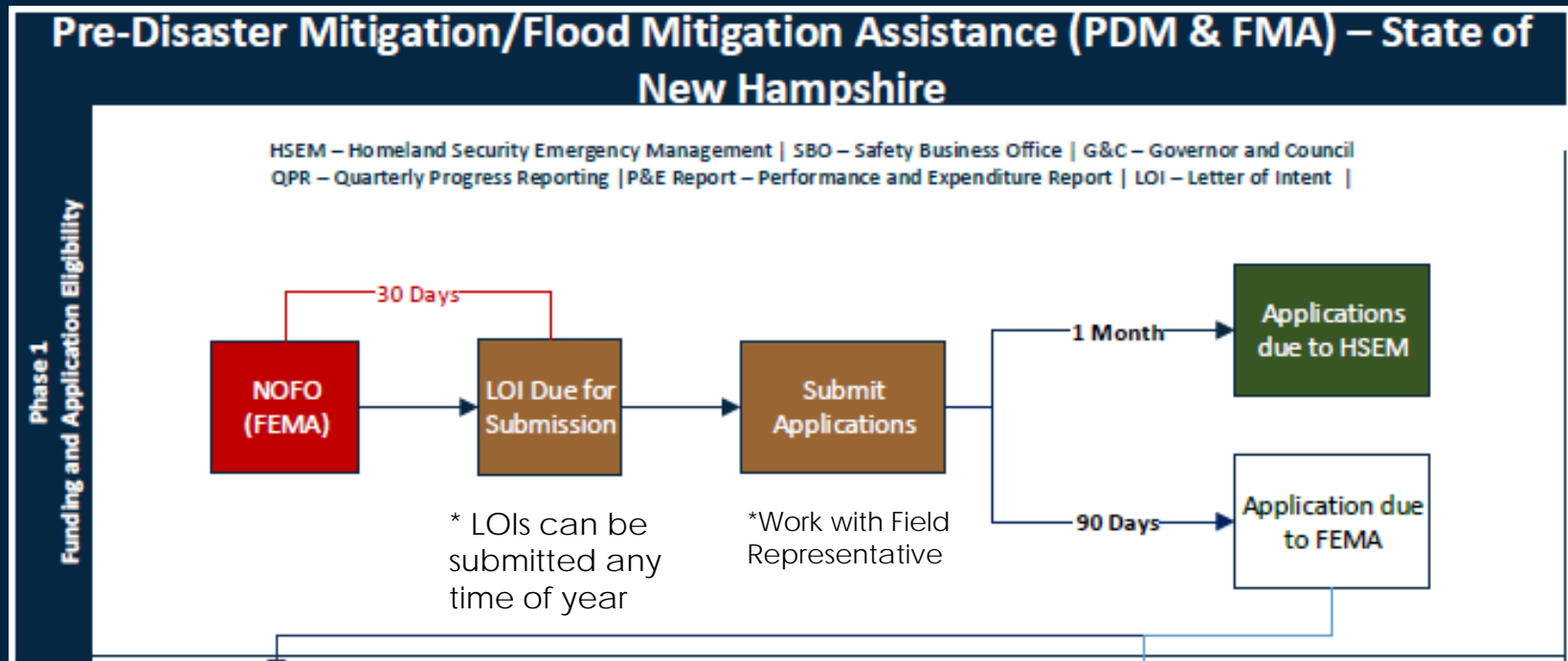
FMA' 2010

Londonderry, NH

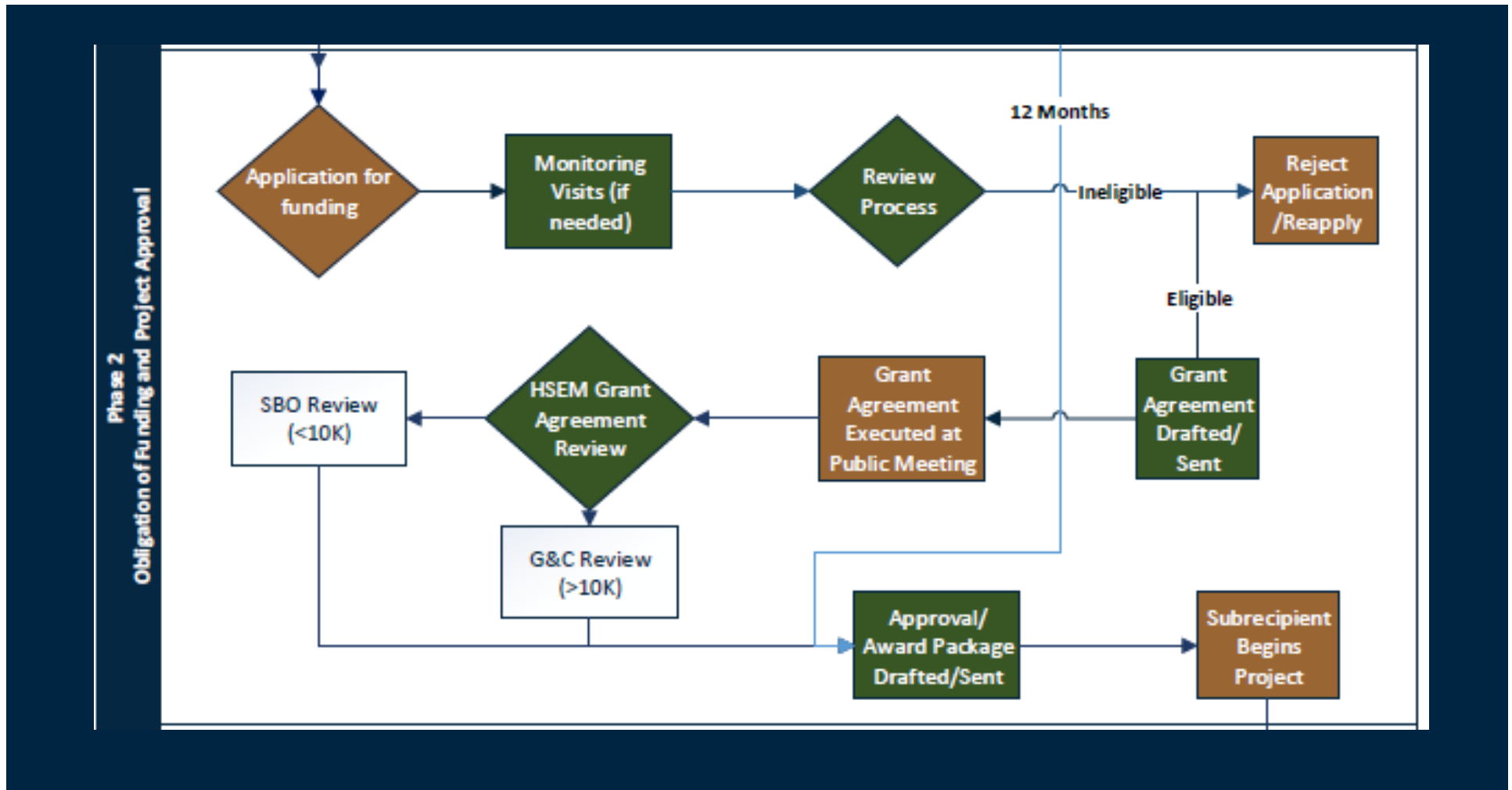
Brookview Drive Elevation Project



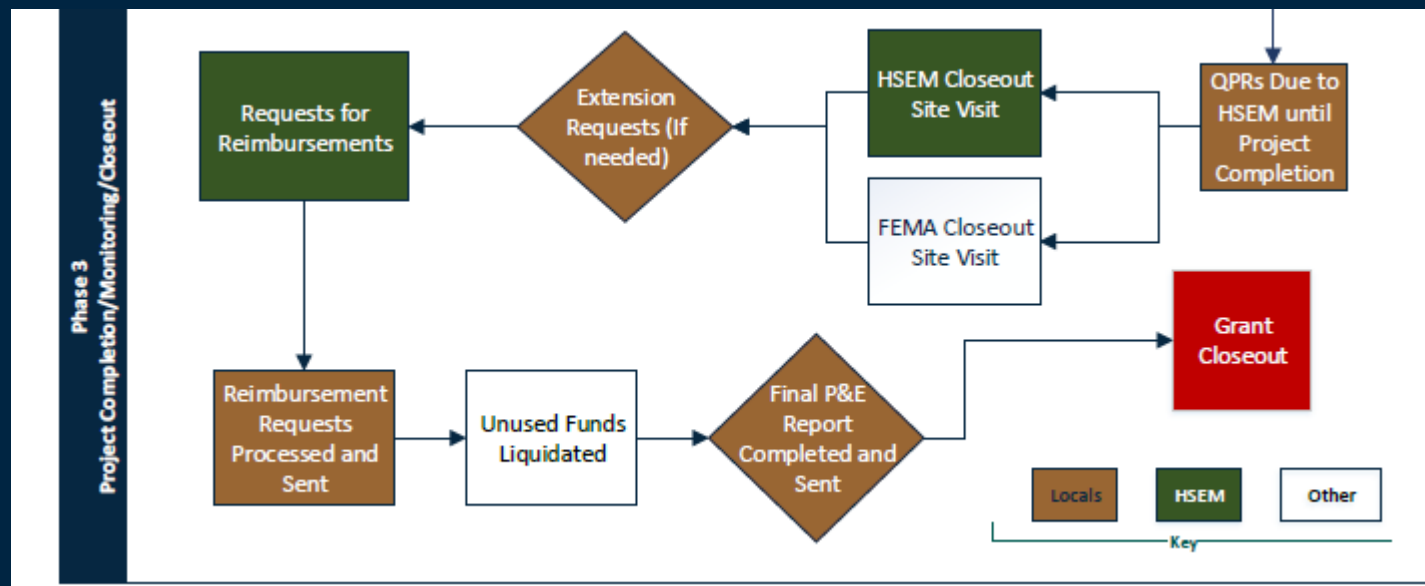
Timeline – PDM & FMA



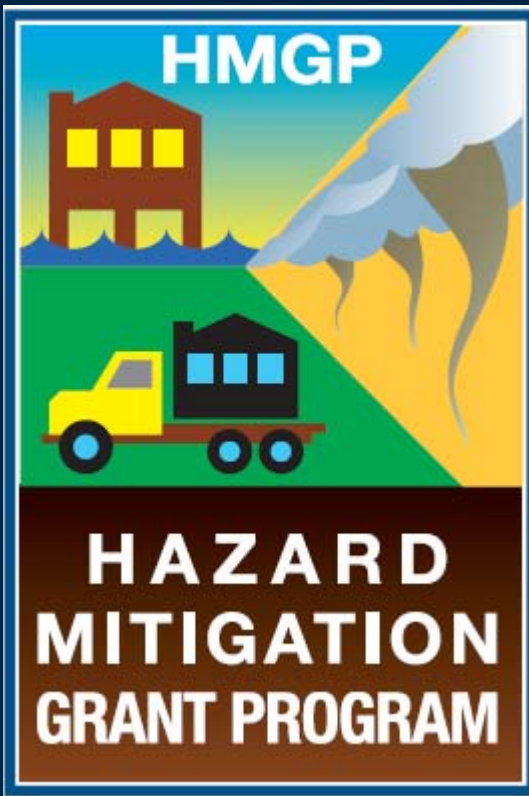
Timeline – PDM & FMA



Timeline – PDM & FMA



Requirements for all programs



General Eligibility Requirements for all program



Eligibility



Local Hazard Mitigation Plan



Cost Effective-Benefit Cost Analysis



Environmental and Historic Planning



Follows Hazard Mitigation Assistance Guidance



Follows Federal/State/Local statutes laws,
executive order, etc.



Technically feasible

General Application Requirements for all programs



Application



Timeline of 36 months or less



Detailed Scope of Work



Detailed Plans and Cost Estimates



Maps and Photos



Cost Share Commitments



Assurances

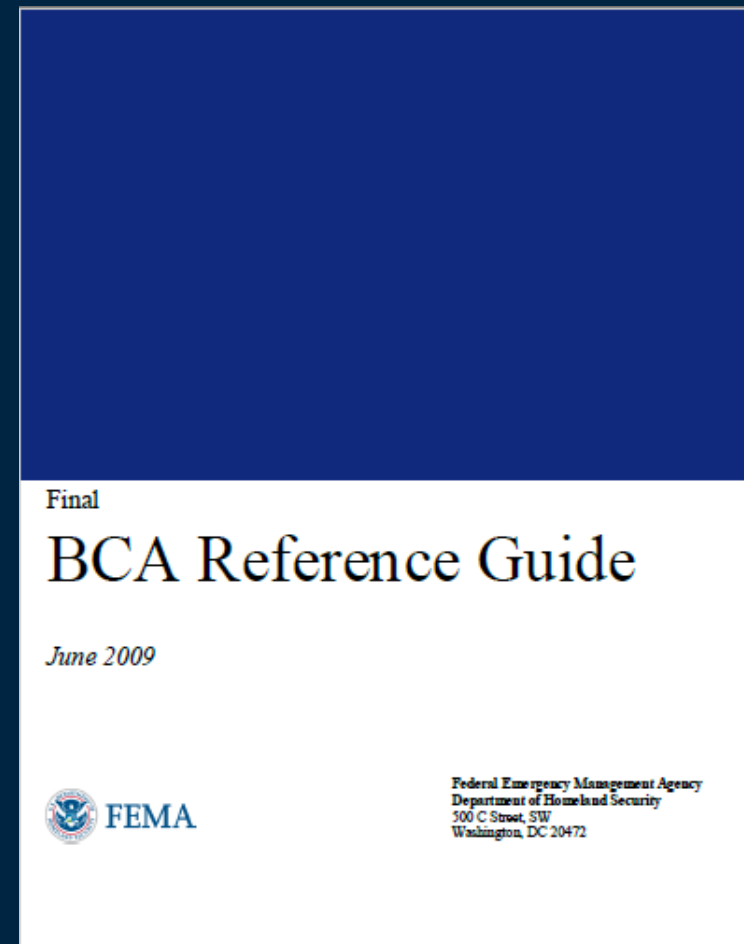
Getting into the weeds



Cost-Effectiveness and Cost Review



- All projects must be cost effective
- Pre-Determined benefits:
 - Acquisition \$276,000
 - Elevation:\$175,000



EHP Review and Compliance



- Must comply with all Environmental and Historic Preservation laws and with 44 CFR Part 10

EHP Checklist

“Yes” indicates that the environmental regulation or statute may apply to your project.

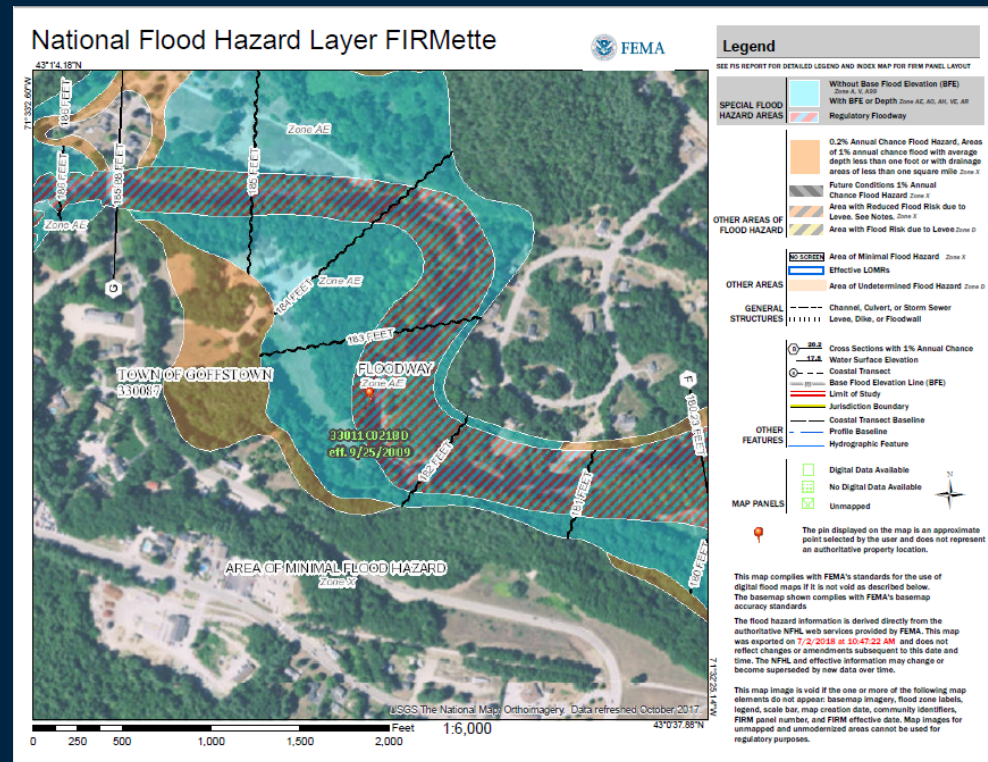
Environmental Regulation or Statute		Yes	No
National Historic Preservation Act			
1.A	Would the proposed project affect, or is the proposed project in close proximity to, any buildings or structures 50 years or more in age?	<input type="checkbox"/>	<input type="checkbox"/>
1.B	Will the proposed project involve disturbance of ground?	<input type="checkbox"/>	<input type="checkbox"/>
Endangered Species Act and Wildlife Coordination Act			
2.A	Are federally listed or endangered species, or their critical habitat, present in or near the project area and, if so, which species are present?	<input type="checkbox"/>	<input type="checkbox"/>
2.B	Will the proposed project remove or affect vegetation?	<input type="checkbox"/>	<input type="checkbox"/>
2.C	Is the proposed project in or near (within 200 feet), or likely to affect, any type of waterbody or body of water?	<input type="checkbox"/>	<input type="checkbox"/>
Clean Water Act, Rivers and Harbors Act			
3.A	Will the proposed project involve dredging or disposal of dredged material, excavation, the addition of fill material, or result in any modification to water bodies or wetlands designated as “waters of the United States” as identified by the U.S. Army Corps of Engineers or on the National Wetland Inventory?	<input type="checkbox"/>	<input type="checkbox"/>
Executive Order 11988 (Protection of Floodplains) and Executive Order 11990 (Protection of Wetlands)			
4.A	Does a Flood Insurance Rate Map, Flood Hazard Boundary Map, hydrological study, or some other source indicate that the project is located in, or will affect, a 100-year floodplain, a 500-year floodplain (if a critical facility), an identified regulatory floodway, or an area prone to flooding?	<input type="checkbox"/>	<input type="checkbox"/>
4.B	Is the proposed project located in, or will it affect, a wetland as listed in the National Wetland Inventory?	<input type="checkbox"/>	<input type="checkbox"/>
4.C	Will the proposed project alter a watercourse, water flow patterns, or a drainage way, regardless of its floodplain designation?	<input type="checkbox"/>	<input type="checkbox"/>
4.D	Is the proposed project located in, or will it affect, a floodplain or wetland? If yes, the 8-step process summarized in Appendix J must be completed.	<input type="checkbox"/>	<input type="checkbox"/>
Coastal Zone Management Act			
5.A	Is the proposed project located in the State’s designated coastal zone?	<input type="checkbox"/>	<input type="checkbox"/>
Farmland Protection Policy Act			
6.A	Will the proposed project convert more than 5 acres of “prime or unique” farmland outside city limits to a non-agricultural use?	<input type="checkbox"/>	<input type="checkbox"/>
Resource Conservation Recovery Act and Comprehensive Environmental Response, Compensation, and Liability Act			
7.A	Is there reason to suspect there are contaminants from a current or past use on the property associated with the proposed project?	<input type="checkbox"/>	<input type="checkbox"/>
7.B	Are there any studies, investigations, or enforcement actions related to the property associated with the proposed project?	<input type="checkbox"/>	<input type="checkbox"/>
7.C	Will any project construction or operation activities involve the use of hazardous or toxic materials?	<input type="checkbox"/>	<input type="checkbox"/>

EHP Checklist 1

Floodplain Management and Protection of Wetlands



- If the floodplain or wetland is the only practicable location, the Applicant/Sub-applicant must avoid or minimize adverse impacts to the floodplain or wetland.



Where can I find guidance?



- [Hazard Mitigation Assistance Guidance](#)
- [HMA Guidance Addendum \(2015\)](#)
- [HMGP FEMA resources](#)
- [PDM FEMA resources](#)
- [FMA FEMA resources](#)
- [NH HSEM Resource Center](#)

Questions??



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