Hazard Mitigation Assistance Programs

2019 Coastal Climate Summit
What is Mitigation?

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

Robert T. Stafford Disaster Relief and Emergency Assistance Act
Disaster Mitigation Act of 2000
National Flood Insurance Act
44 CFR Part 201 and Part 206 Subpart N,
2 CFR Part 200
Disaster Recovery Reform Act of 2018
Mitigation Planning

Town of Clarksville, New Hampshire

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

- Hazard Mitigation plans are a great place to prioritize potential projects that could be mitigated using Hazard Mitigation Grant program funds.

- Local Hazard Mitigation plans can also be a good tool to track historic data that can help secure funding.
Programs

HMGP
Hazard Mitigation Grant Program

BRIC
Building Resilient Infrastructure and Communities

FMA
Flood Mitigation Assistance
## Eligibility and Cost Share

<table>
<thead>
<tr>
<th>Entity</th>
<th>HMGP</th>
<th>PDM</th>
<th>FMA</th>
</tr>
</thead>
<tbody>
<tr>
<td>State agencies</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Federally-recognized tribes</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Local governments/communities</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Private nonprofit organizations</td>
<td>✔</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Programs</th>
<th>% of Federal/Non-Federal Share</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMGP</td>
<td>75/25</td>
</tr>
<tr>
<td>PDM</td>
<td>75/25</td>
</tr>
<tr>
<td>PDM – subrecipient is small impoverished community</td>
<td>90/10</td>
</tr>
<tr>
<td>FMA – insured properties and planning grants</td>
<td>75/25</td>
</tr>
<tr>
<td>FMA – repetitive loss property</td>
<td>90/10</td>
</tr>
<tr>
<td>FMA – severe repetitive loss properties</td>
<td>100/0</td>
</tr>
</tbody>
</table>
General Eligibility Requirements

• Mitigation Planning
• Technical Feasibility and effectiveness
• Floodplain management and protection of wetlands
• Environmental and Historic Preservation (EHP) review and compliance
• Cost-effectiveness (Benefit Cost Analysis)
• Cost Review
<table>
<thead>
<tr>
<th>Activities</th>
<th>HMGP</th>
<th>PDM</th>
<th>FMA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Property Acquisition and Structure Demolition</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Property Acquisition and Structure Relocation</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Structure Elevation</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Mitigation Reconstruction</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Dry Floodproofing</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Generators</td>
<td>✔</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>Localized Flood Risk Reduction Projects</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Non-localized Flood Risk Reduction Projects</td>
<td>✔</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>Structure Retrofitting of Existing Buildings</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Non-structural Retrofitting of Existing Buildings</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Wind Retrofit for One and Two-Family Residences</td>
<td>✔</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>Infrastructure Retrofit</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Soil Stabilization</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Wildfire Mitigation</td>
<td>✔</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>Post-Disaster Code Enforcement</td>
<td>✔</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Advance Assistance</td>
<td>✔</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>Hazard Mitigation Planning</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
</tbody>
</table>
QUESTIONS??
Acquisition Types

- Property Acquisition and Structure Demolition
- Property Acquisition and Structure Relocation
New Hampshire Acquisitions

Town of Conway
Transvale Acres Acquisitions
(HMGP DR4026)

Plymouth State University
River Street Acquisitions
(HMGP DR4026)
New Hampshire Acquisitions

Town of Pittsfield
Chester Street
Acquisition
(HMGP DR4209)
After Acquisition-Conway
Property Acquisition Application Elements

- Scope of Work
- Work Schedule
- Cost Estimate $\rightarrow$ Market Value
- **Cost Share**
- Cost-effectiveness (BCA) and feasibility
- EHP Compliance
- Clear Title
- Statement of Voluntary Participation
- Final Mitigation Offer
- **Deed Restriction**
Climate Adaptation within the Benefit Cost Analysis (BCA)

Pre-Calculated Benefits
- $276,000.00 for Acquisition Projects
- $175,000.00 for Elevation Projects

Sea Level Rise
- Subrecipients should add the estimated SLR to the current 10-, 25-, 50-, and 100-year flood elevations.
Building Resilient Infrastructure and Communities (BRIC)

Innovative Infrastructure Mitigation Example

6-acre underground resiliency park in NJ offers outdoor public recreation amenities such as a natural oasis, athletic fields, play areas, fitness stations, and event space:

- Lowered basketball court provides green stormwater storage
- Rain gardens for capture and filtration
- Provides significant mitigation of fluvial and flash flooding for multi-story residential, commercial, and industrial properties
- Reduces economic, environmental, and social impacts

- 8 Drainage areas
- 7 Landscape types
- 1.75 M Gallons of stormwater storage
- $10 M FED SHARE
- $47 M MATCH

FEMA

HMA Hazard Mitigation Assistance
Building Resilient Infrastructure and Communities (BRIC)

**BRIC Guiding Principles**
- Support communities through capability & capacity building
- Encourage and enable innovation
- Promote partnerships
- Enable large projects
- Maintain flexibility
- Provide consistency

**Mitigating Community Lifelines: 1989-Present**

- [Funded]
- [Pending]

*Draft data – not yet final*
Building Resilient Infrastructure and Communities (BRIC)

PDM and BRIC: Path Forward

**PDM FY18**
- Total amount available: $249,200,000
- Resilient Infrastructure: New competitive funding project type with a maximum Federal share of $10,000,000

**PDM FY19**
- Total amount available: $250,000,000
- Follows same application timeline as FY18
- Resilient Infrastructure competitive funding will continue

**BRIC FY20**
- Total amount available: TBD
- Target application period is September 2020 – January 2021
- Evaluation metrics established at the beginning of the program to measure the reduction in costs to the DRF

**BRIC FY21 & beyond**
- Will ensure continuous improvement as the program evolves
- FEMA will communicate annual changes through the Notice of Funding Opportunity and program implementation documents

**Accrue**
- $383M

**Available Now under FY19 PDM**
- $250M
Contacts

Alexx Monastiero
State Hazard Mitigation Officer
Alexxandre.Monastiero@dos.nh.gov
603.223.3627

Whitney Welch
Assistant Planning Chief
Whitney.Welch@dos.nh.gov
603.223.3667
QUESTIONS??
Resources

Hazard Mitigation Assistance Grant Resources and Information

FEMA Benefit Cost Analysis (BCA) Software 6.0

Hazard Mitigation Assistance Program Guidance

Webinar Series 2019: Building Resilient Infrastructure and Communities

Disaster Recovery Reform Act of 2018