



Source: NH Journal



# 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**

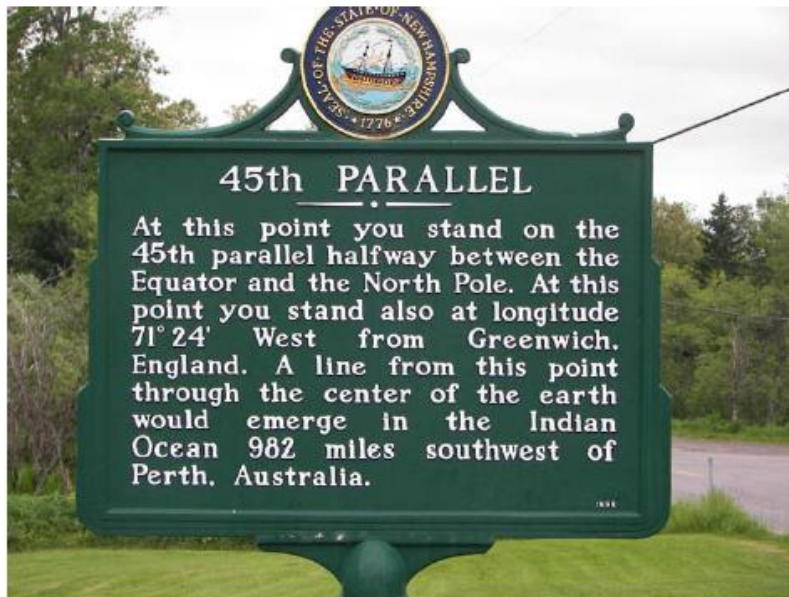




# Mitigation Planning



Town of Clarksville, New Hampshire

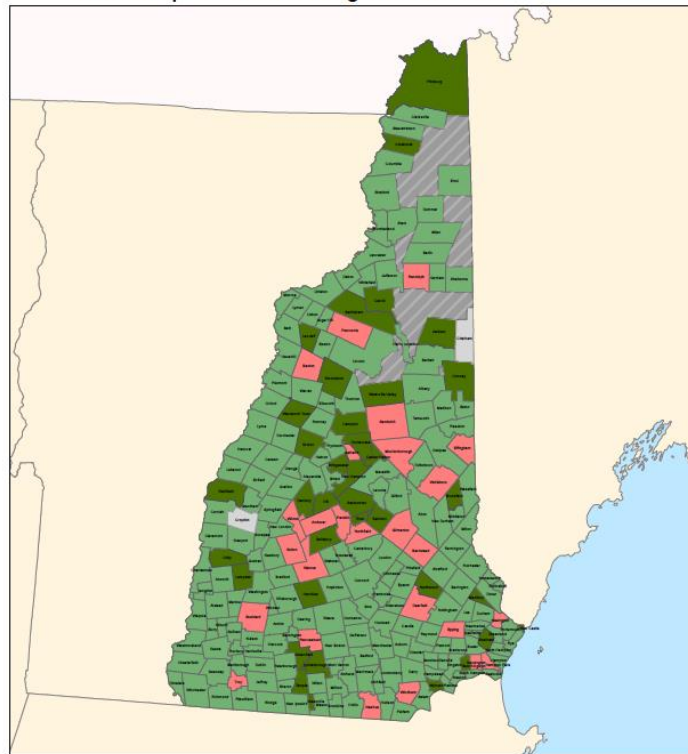


**Hazard Mitigation Plan**

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

# NH Mitigation Strong

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



**Legend**

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

40 Miles



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

- 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



Entity	HMGP	PDM	FMA
State agencies	✓	✓	✓
Federally-recognized tribes	✓	✓	✓
Local governments/communities	✓	✓	✓
Private nonprofit organizations	✓		

Programs	% of Federal/Non-Federal Share
HMGP	<b>75/25</b>
PDM	<b>75/25</b>
PDM – subrecipient is small impoverished community	<b>90/10</b>
FMA – insured properties and planning grants	<b>75/25</b>
FMA – repetitive loss property	<b>90/10</b>
FMA – severe repetitive loss properties	<b>100/0</b>

# 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**



<b>Activities</b>	<b>HMGP</b>	<b>PDM</b>	<b>FMA</b>
Property Acquisition and Structure Demolition	✓	✓	✓
Property Acquisition and Structure Relocation	✓	✓	✓
Structure Elevation	✓	✓	✓
Mitigation Reconstruction	✓	✓	✓
Dry Floodproofing	✓	✓	✓
Generators	✓	✓	
Localized Flood Risk Reduction Projects	✓	✓	✓
Non-localized Flood Risk Reduction Projects	✓	✓	
Structure Retrofitting of Existing Buildings	✓	✓	✓
Non-structural Retrofitting of Existing Buildings	✓	✓	✓
Wind Retrofit for One and Two-Family Residences	✓	✓	
Infrastructure Retrofit	✓	✓	✓
Soil Stabilization	✓	✓	✓
Wildfire Mitigation	✓	✓	
Post-Disaster Code Enforcement	✓		
Advance Assistance	✓	✓	
Hazard Mitigation Planning	✓	✓	✓

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

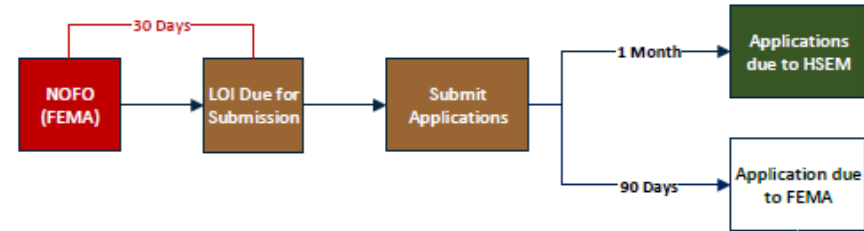
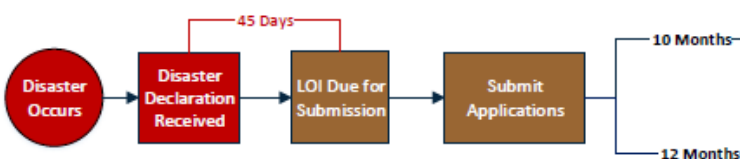
# Pre-Disaster Mitigation/Flood Mitigation Assistance (PDM & FMA) – State of New Hampshire

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

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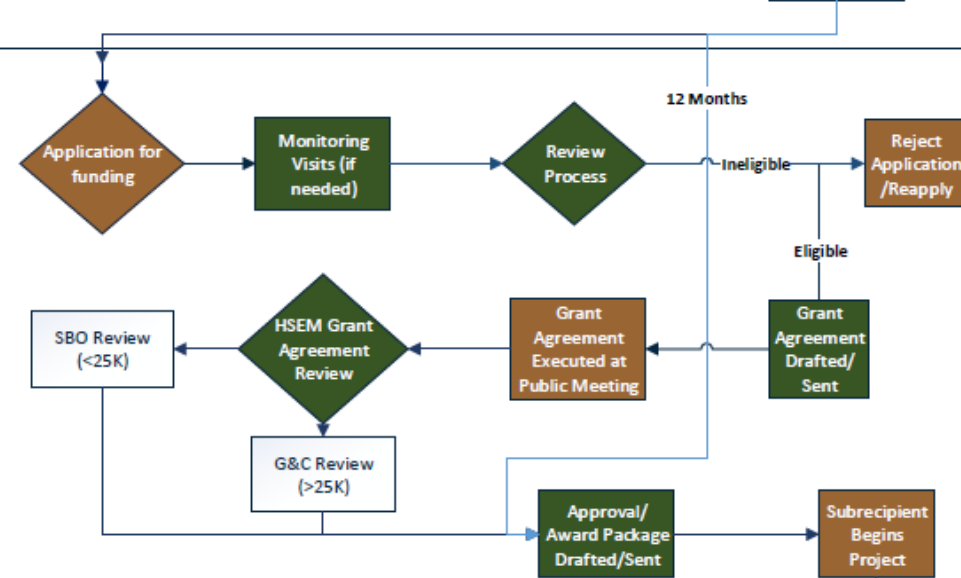
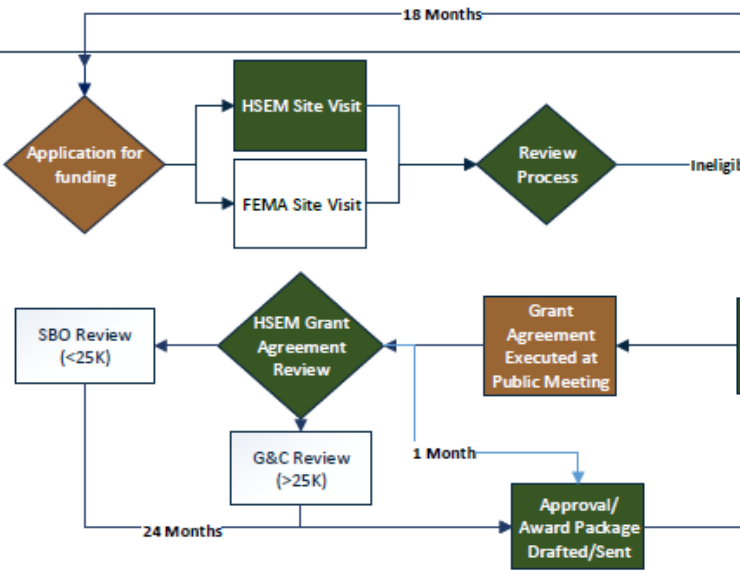
Phase 1  
Funding and Application Eligibility

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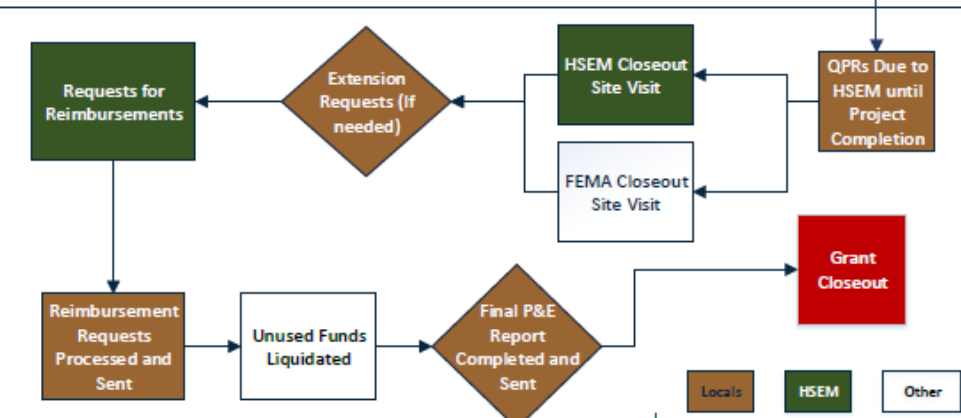
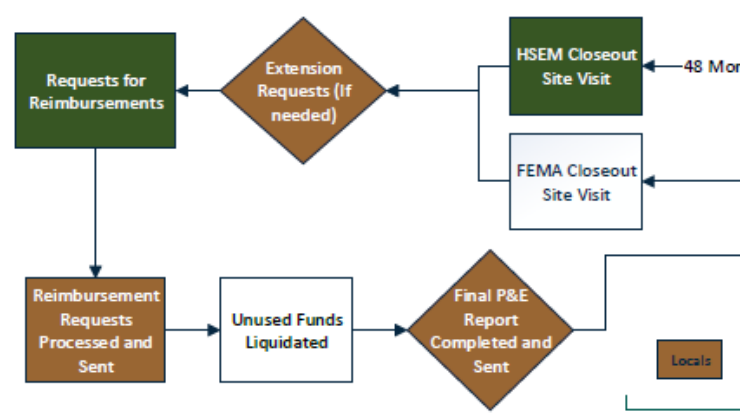
Phase 2  
Obligation of Funding and Project Approval

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Obligation of Funding and Project Approval



Phase 3  
Project Completion/Monitoring/Closeout

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Project Completion/Monitoring/Closeout



**QUESTIONS??**

# Acquisition Types

- **Property Acquisition and Structure Demolition**
- **Property Acquisition and Structure Relocation**

## Conway plans to buy homes damaged by Tropical Storm Irene

Town hopes to use property for green space

Share   



Updated: 8:55 AM EDT Oct 23, 2012



Conway

**CONWAY, N.H.** — The town of Conway plans to buy several homes left uninhabitable by Tropical Storm Irene.

The 2011 storm brought serious flooding to the Transvale Acres neighborhood, and many residents haven't been able to fix or sell their properties.

# New Hampshire Acquisitions



**Town of Conway  
Transvale Acres Acquisitions  
(HMGP DR4026)**

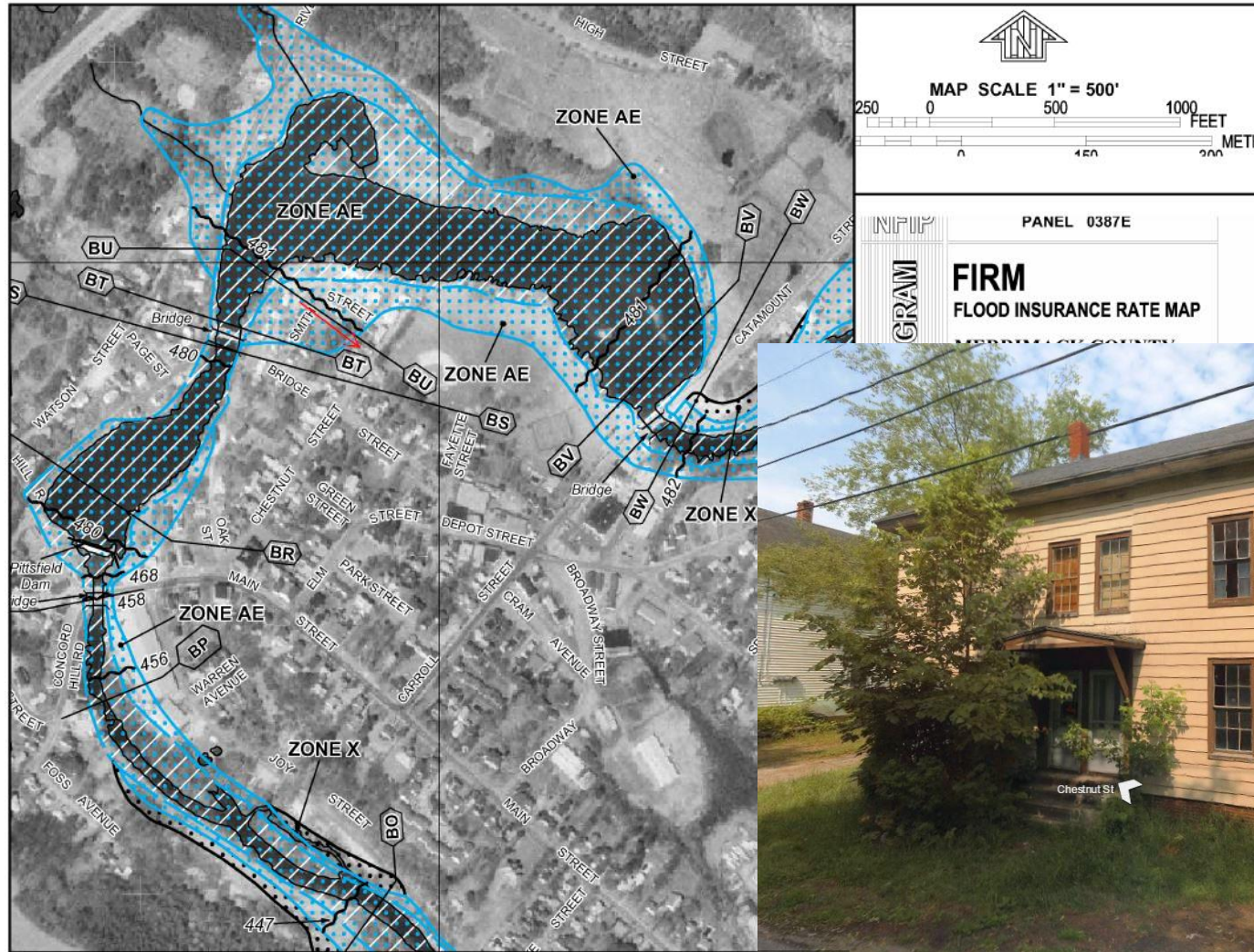
**Plymouth State University  
River Street Acquisitions  
(HMGP DR4026)**



# New Hampshire Acquisitions



## Town of Pittsfield Chestnut Street Acquisition (HMGP DR4209)





# After Acquisition-Conway



# Property Acquisition Application Elements



- Scope of Work
- Work Schedule
- Cost Estimate ← **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<sup>M</sup>**  
Gallons of stormwater storage

**\$10<sup>M</sup>** FED SHARE  
+  
**\$47<sup>M</sup>** MATCH



# Building Resilient Infrastructure and Communities (BRIC)

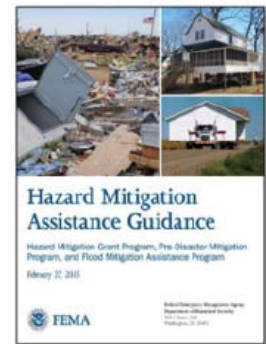
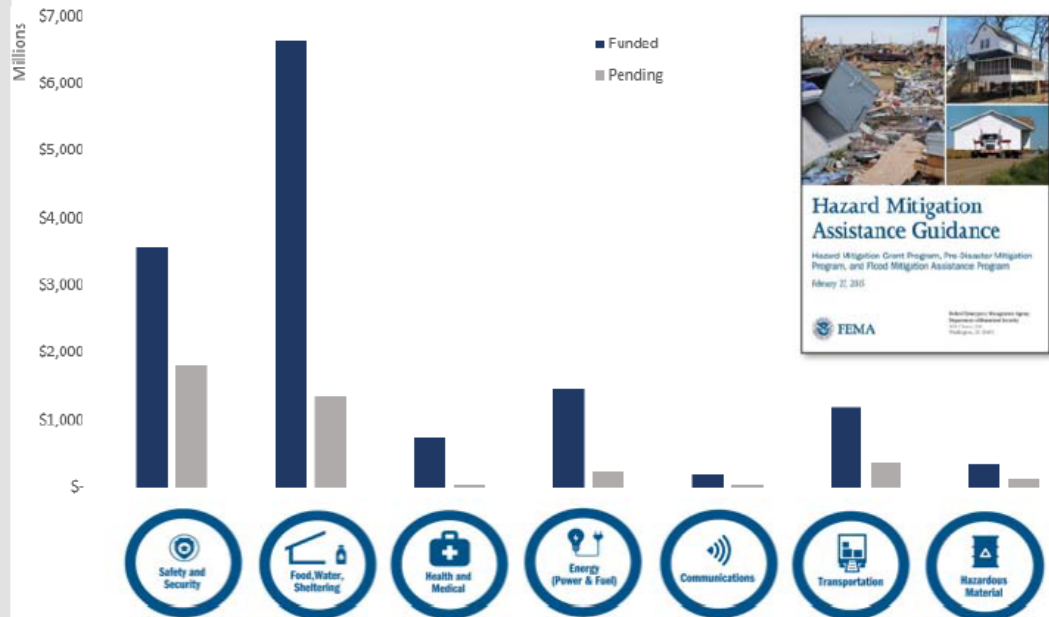


## Building Resilient Infrastructure & Communities

### 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



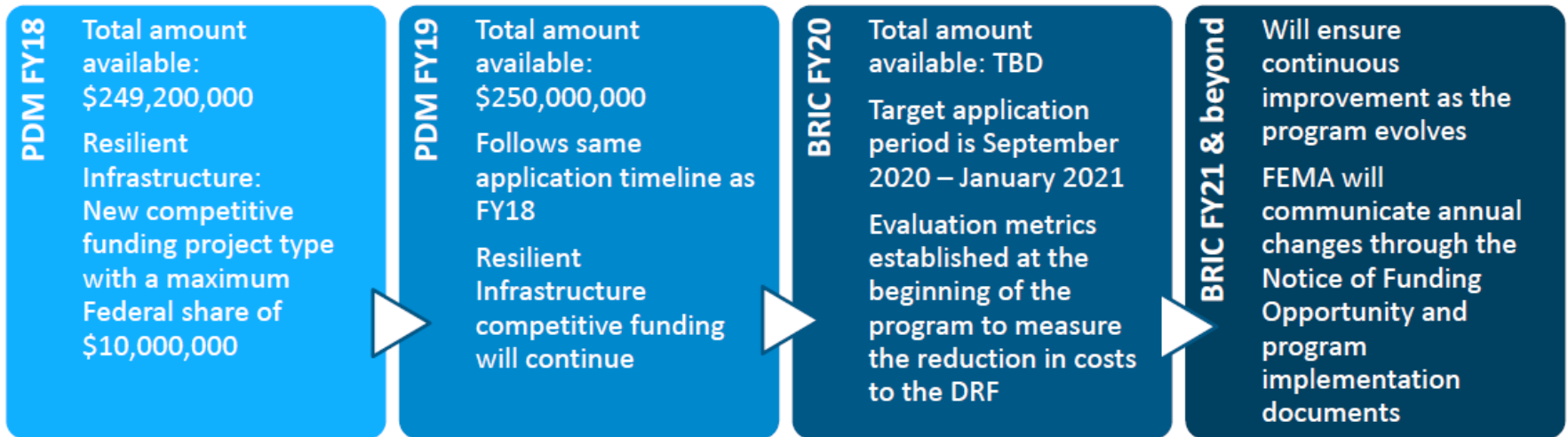
\*DRAFT DATA – NOT YET FINAL



# Building Resilient Infrastructure and Communities (BRIC)



## PDM and BRIC: Path Forward



# Contacts



## Alexx Monastiero

State Hazard Mitigation Officer

[Alexandre.Monastiero@dos.nh.gov](mailto:Alexandre.Monastiero@dos.nh.gov)

603.223.3627

## Whitney Welch

Assistant Planning Chief

[Whitney.Welch@dos.nh.gov](mailto: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](#)