

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

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Building Resilient Infrastructure and Communities (BRIC)

- Funds available annually
- Nationally competitive
- Greatest flexibility for activity types



BRIC Guiding Principles

- Support community capability and capacity building
- Encourage and enable innovation
- Promote partnerships
- Enable large infrastructure projects
- Maintain flexibility
- Provide consistency

BRIC Eligible Activities

- Previous PDM activities are still eligible
- Expanded eligibility includes:
 - Project scoping
 - Building code projects
 - Additional activities for wildfire and wind implementation (DRRA Section 1205)
 - Earthquake early warning (DRRA Section 1233)
- Projects Must:
 - Be cost-effective
 - Reduce/eliminate risk and damage from future natural hazards
 - Meet latest two consensus codes (i.e. 2015 or 2018 international building code)
 - Align with Hazard Mitigation Plans
 - Meet all environmental and historic preservation requirements

BRIC Cost Share

- 75% Federal / 25% non-Federal
- 90% Federal / 10% non-Federal for Small and Impoverished Communities
 - 3,000 or fewer individuals identified by the State as disadvantaged
 - Average per capita annual income not exceeding 80% of the national per capita income

BRIC Funding Categories

- Capability and Capacity Building
 - Building codes activities
 - Partnerships
 - Project scoping
 - Mitigation planning and related activities
- Mitigation Projects
- Direct Technical Assistance

Flood Mitigation Assistance (FMA)

- Funds available annually
- Nationally competitive
- Projects and Plans are limited to flood mitigation activities only
- Community must be in Good Standing with National Flood Insurance Program (NFIP)
- Mitigated property must carry NFIP policy before, during, and after

FMA Guiding Principles

- Reduce or eliminate flood risk
- Prioritize repetitive and severe repetitive loss properties
- Prioritize properties insured by the National Flood Insurance Program (NFIP)
- Dedicate funding to plan for flood risk mitigation



FMA Eligible Activities

- Property Acquisition and Structure Demolition
- Property Acquisition and Structure Relocation
- Structure Elevation
- Mitigation Reconstruction
- Dry Floodproofing of Historic Structures
- Dry Floodproofing of Non-Residential Structures
- Localized Flood Risk Reduction Projects
- Structural Retrofitting of Existing Buildings
- Non-Structural Retrofitting of Existing Buildings and Facilities
- Infrastructure Retrofit
- Soil Stabilization
- Project Scoping- Individual Home & Community Flood
- Miscellaneous/Other

FMA Cost Share

- 75% Federal / 25% non-Federal
- 90% Federal / 10% non-Federal for Repetitive Loss
- 100% Federal for Severe Repetitive Loss

a. Severe Repetitive Loss (SRL) structure (ii)

- Have at least 2 separate NFIP claim payments exceeding Market Value of Structure

b. Repetitive Loss (RL) structure

- Have at least 2 NFIP claim payments where average costs equal or exceed 25% of Market Value of Structure

c. Severe Repetitive Loss (SRL) structure (i)

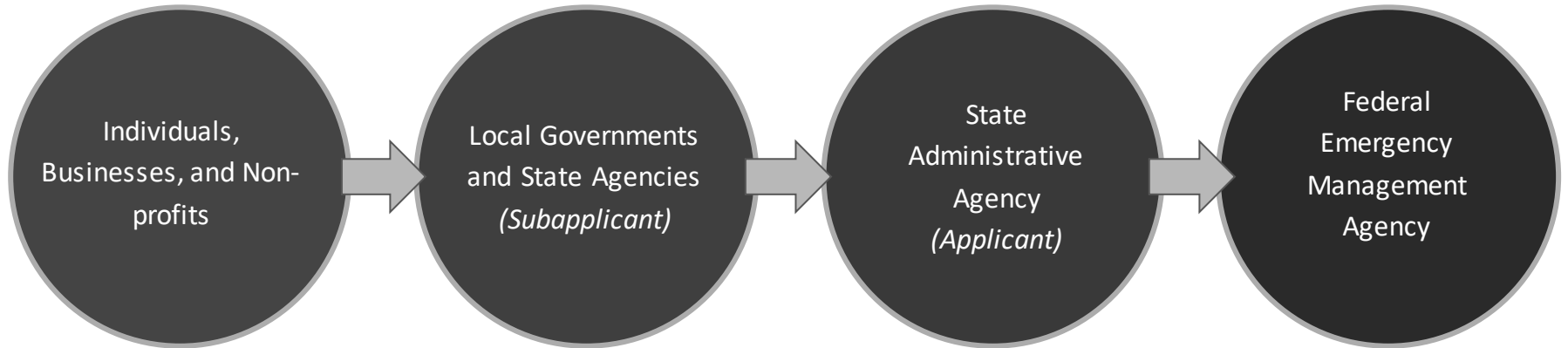
- Have at least 4 NFIP claim payments of \$5,000 or more, with cumulative payments exceeding \$20,000

FMA Funding Categories

- Project Scoping
- Community Flood Mitigation
- Technical Assistance
- Flood Hazard Mitigation Planning
- Individual Flood Mitigation Projects

Subapplicant Eligibility

- Individuals, businesses and nonprofits are unable to apply directly for a grant. Local governments and State agencies are eligible subapplicants and must sponsor a proposed project from ineligible entities.



Subapplicant Eligibility

- Subapplicants must have a FEMA-approved Hazard Mitigation Plan by the application deadline and at the time of obligated funding.
- Subapplicants must provide a Benefit Cost Analysis (BCA) or other documentation, approved by FEMA, that validates cost-effectiveness.
- Additional requirements for both FMA and BRIC can be found within the respective Notice of Funding Opportunity.

Reviews and FY20 Results

FEMA Scoring Criteria

Qualitative



35 points
Risk Reduction /
Resiliency Effectiveness



15 points
Future
Conditions



15 points
Implementation
Measures



15 points
Population
Impacted



5 points
Outreach
Activities



15 points
Leveraging
Partners

Technical



20 points
Infrastructure
project



15 points
Mitigating risk to one or
more lifelines



10 points
Incorporation of
nature-based solutions



20 points
Applicant has
mandatory building code
adoption requirement
(2015 or 2018 versions of
International Building Code and
International Residential Code)



15 points
Subapplicant has
Building Code
Effectiveness Grading
Schedule Rating of 1 to 5



10 points
Application generated
from a previous FEMA
Hazard Mitigation
Assistance Advance
Assistance award



5 points
Increased
non-federal cost
share



5 points
Designation as a
small impoverished
community

COMMUNITY LIFELINES



Safety and Security - Law Enforcement/Security, Fire Service, Search and Rescue, Government Service, Community Safety



Food, Water, Shelter - Food, Water, Shelter, Agriculture



Health and Medical - Medical Care, Public Health, Patient Movement, Medical Supply Chain, Fatality Management



Energy - Power Grid, Fuel



Communications - Infrastructure, Responder Communications, Alerts Warnings and Messages, Finance, 911 and Dispatch



Transportation - Highway/Roadway/Motor Vehicle, Mass Transit, Railway, Aviation, Maritime



Hazardous Material - Facilities, HAZMAT, Pollutants, Contaminants

All project applications identified for further review had **at least two** community lifelines addressed in their application

Building Resilient Infrastructure Communities

Fiscal Year 2020 Application Period Submissions

Number of Subapplications

991

Total Subapplication Costs

\$5.50B

Number of Structures to be Mitigated

1,521

Federal Cost Share

\$3.60B

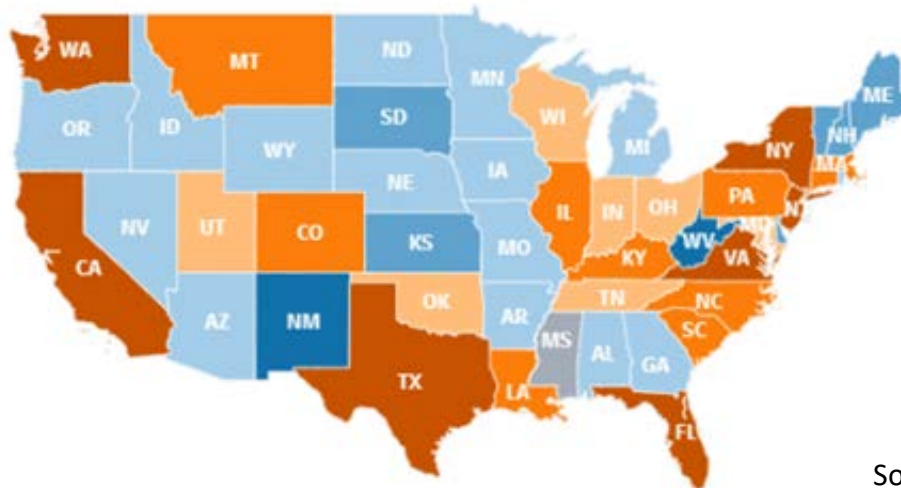
Number of Small Impoverished Communities

98

Non-Federal Cost Share

\$1.90B

Total Subapplication Costs



Source: [FEMA BRIC Main Page](#)

Subapplication Activity by Total Subapplication Costs

Top 10 



This visualization contains data from the Fiscal Year 2020 application cycle for the Building Resilient Infrastructure and Communities that closed on Jan. 29, 2021. Data Source: FEMA Grants Outcomes (GO).

Source: [FEMA BRIC Main Page](#)

Setting the Stage for 2021

- Utilizing last year's resources, previous Pre-Disaster Mitigation (PDM) awards, and real world experiences.
- It is critical to prepare as early as possible to develop quality subapplications.
- Approximately \$1B will be made available nationwide for FY21.
- The FY21 Notice of Funding Opportunity (NOFO) is anticipated to be released August 2021.

What We Know Now



- Large whole community projects that benefit not only a communities' population, but create an economic benefit score higher.
- All of the projects identified for further review were infrastructure projects, and mostly public infrastructure projects.
- 17 out of the 22 projects had a higher cost share then the standard 75/25.
- Modeling projects after the Mitigation Action Portfolio is a great place to start.

DC FY20 BRIC and FMA Projects

Power Reliability at Critical Facilities

(OUC, DPMED, DOEE, HSEMA)

1. St. Elizabeth's Microgrid*
2. Washington Hospital Center
3. Blue Plains Advanced WWTP
4. Resilience Hub

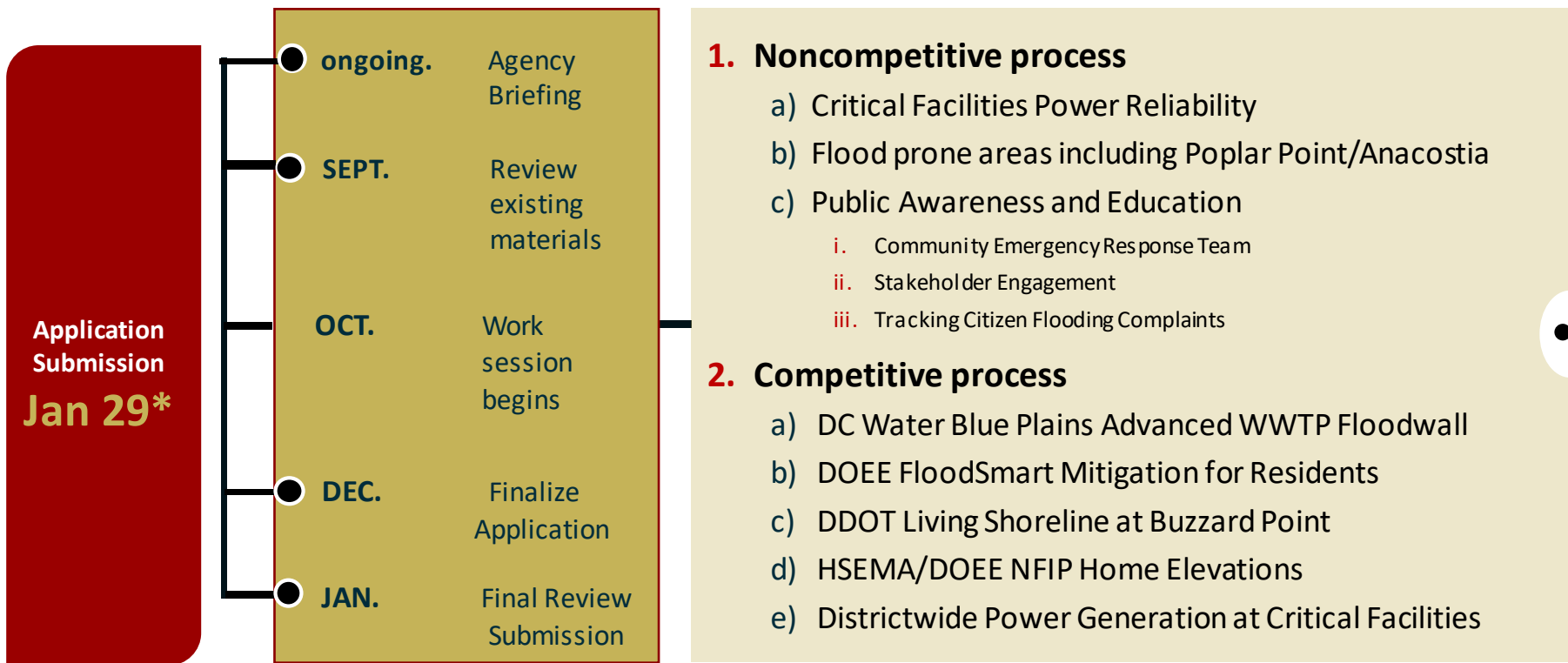
Community Flood Mitigation

(OP, DPR, DGS, DDOT, DOEE, HSEMA)

1. Southwest neighborhood *
2. Watts Branch neighborhood
3. DPR Small Parks
4. Resilient Focus Areas

DC FY21 BRIC and FMA Timeline

As of 7/23: Preliminary project idea list



VA BRIC and FMA Applications Submitted to FEMA

- City of Alexandria – 4 Mile Run Sediment Removal Project
- Prince William County – Fleetwood Drive Floodgate Installation
- Town of Hillsboro – Water Supply Improvements
- City of Fairfax – Plan Integration
- Fairfax County – Acquisition of 1 Property
- Loudoun County – Selma Estates Acquisition Project

Virginia FY21 BRIC and FMA Timeline

- **August 2021: Anticipated release of FEMA Notice of Funding Opportunity (NOFO)**
- End of August/Beginning of September: Webinars provided by VDEM to sub-applicants
- **November 10, 2021: Pre-applications/Applications due to VDEM**
- December 2021: Peer Review Process
- **January 2022: VDEM will enter applications into FEMAGo and submit to FEMA**

Maryland FY20 BRIC and FMA Projects

- Prince George's County: Hazard Mitigation Plan Update
- MD Dept. of the Environment: Hyattsville Nature-based Solution
- Frederick City: Motter Avenue Area Community Flood Mitigation Project

Maryland FY21 BRIC and FMA Timeline

- August 2021: Anticipated release of FEMA Notice of Funding Opportunity (NOFO)
- **August 31, 2021: Notice of Interest (NOI) Due to MEMA**
- October 2021 - FEMA GO Subapplications Available
- **November 12, 2021 - Subapplications due to MEMA**
- January 2022 - State Application Due



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