



Virginia Department of  
Emergency Management

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# 2023 Hazard Mitigation Grants Overview



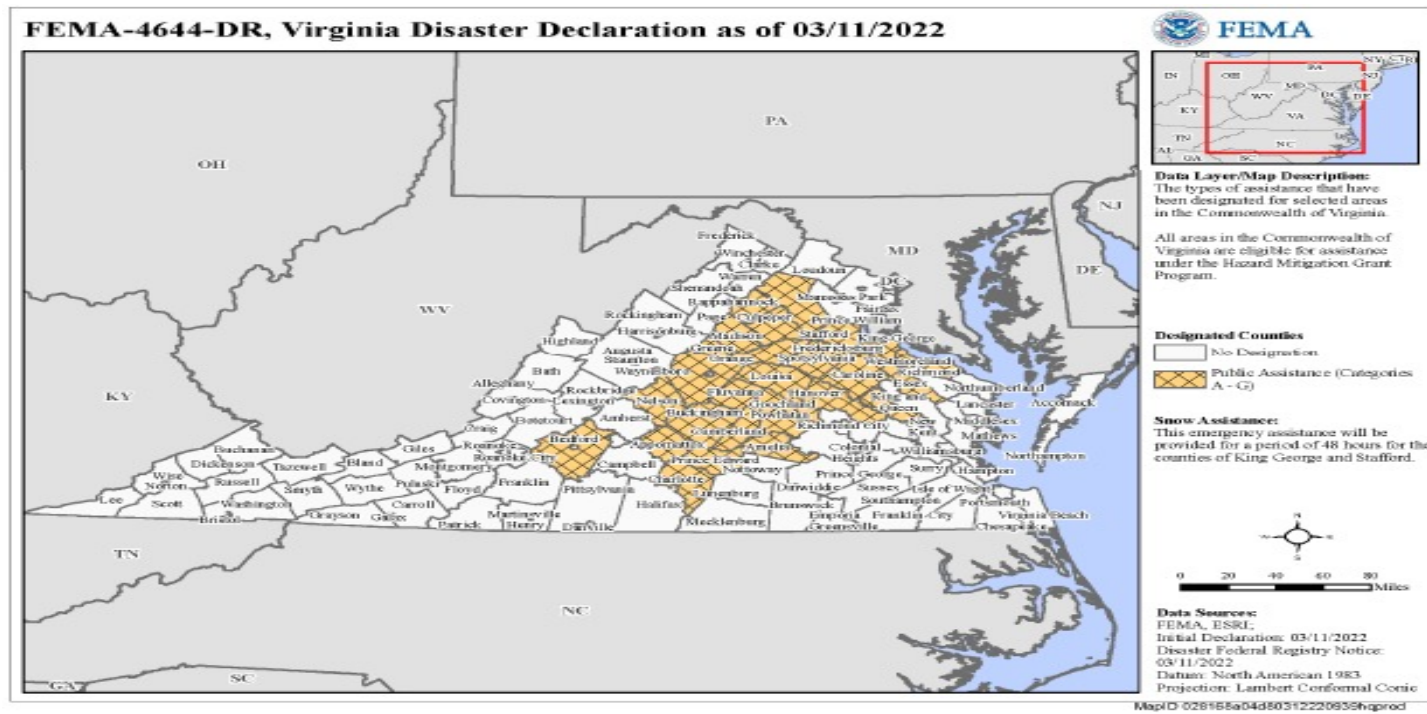
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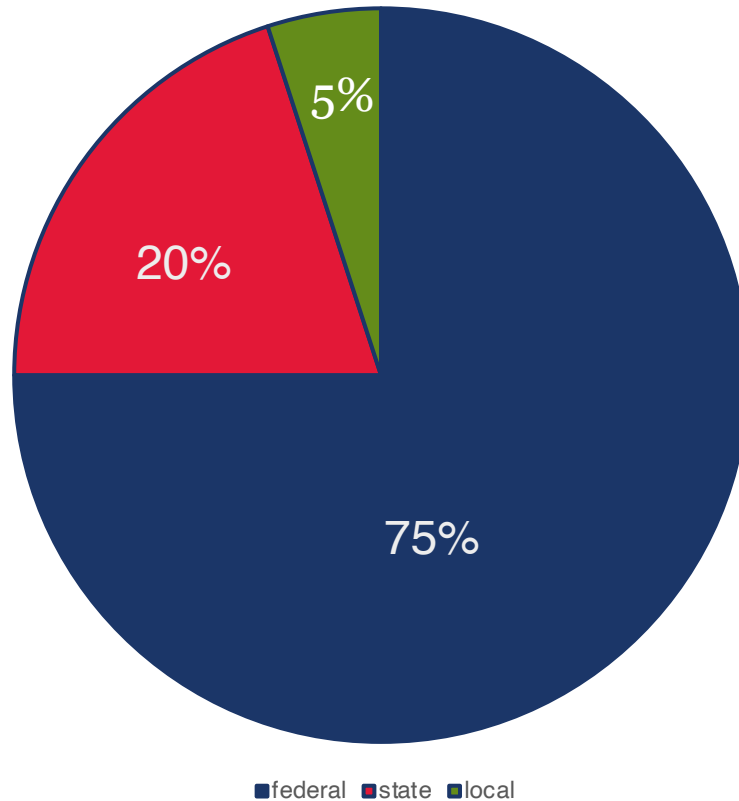
# Hazard Mitigation Grant Program (HMGP)

# HMGP Highlights

- Disaster 4644 was a severe winter snowstorm that hit Virginia in early January 2022.
- Approximately \$17 million in federal funding obligated to Virginia for hazard mitigation projects.
- Priority was given to declared areas (see map).



# HMGP Cost Share



Historically Virginia has contributed 20% match

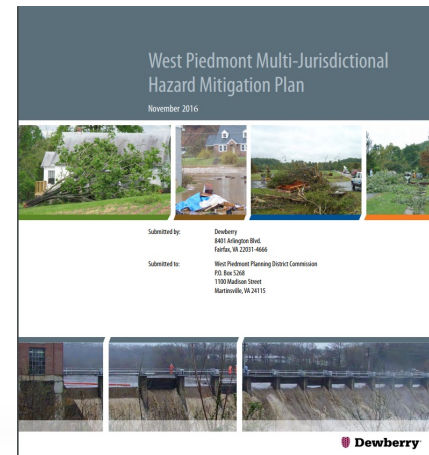
Local cost share can be cash or documented in-kind services





# Application Requirements

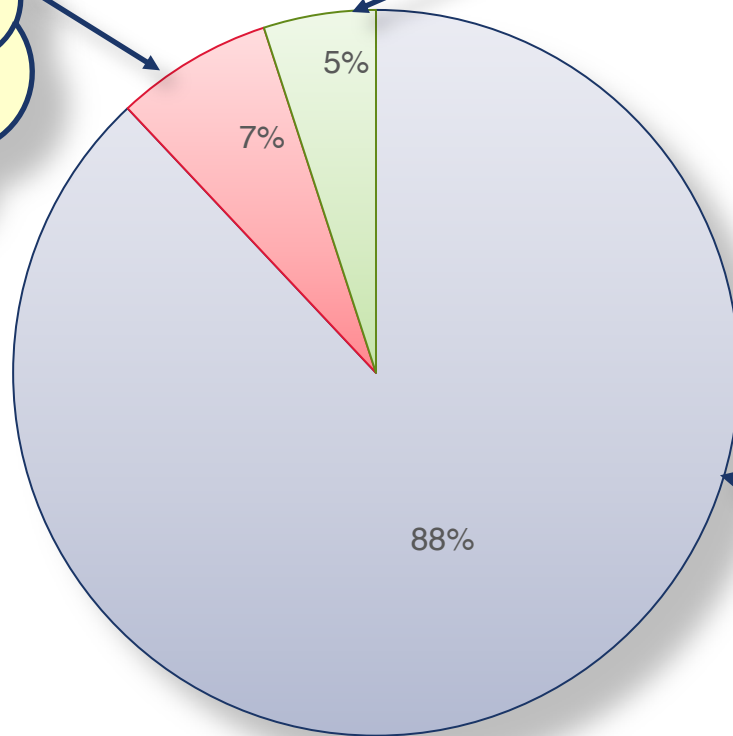
- Must have a locally adopted hazard mitigation plan and a strategy within the plan identifying the proposed project
- The community must be participating and in good standing with the National Flood Insurance Program (NFIP) if the project is located in a special flood hazard area (SFHA)
- Eligible sub-applicant must apply
  - Local government or special district
  - State Agency
  - Certain private non profit



# HMGP Projects

Planning funding will be used for plans set to expire in 2026

Initiative projects include outreach, generator quick connects, and scoping projects



Structural projects must have a BCA

□ Structural Projects    ■ Planning Projects    ■ Initiative Projects





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# Flood Mitigation Assistance (FMA)

# Flood Mitigation Assistance (FMA)

- Annual grant focused on mitigating structures that are insured through the NFIP and have sustained past flooding claims
- \$800 million available in FY2022 – 75% federal share and 25% non-federal share
- \$900,000 in FY2022 for project scoping projects
- Severe repetitive loss property = 2 NFIP claims made with the cumulative amount exceeding the market value of the structure **OR** 4 NFIP claims exceeding \$5,000 – can be up to 100% federal share
- Repetitive loss property = two claims that equal or exceed 25% of the fair market value of the structure – can be 90% federal share and 10% non-federal share
- Priority given to communities with high number of NFIP policies and communities participating in the Community Rating System (CRS)

Last year we submitted \$16 million in projects



FEMA will distribute up to \$800 million in the following manner:

**\$800  
MILLION**

**TOTAL AVAILABLE  
FMA FUNDING  
IN FY22**

Allocated up to **\$60 MILLION**

**1 Capability and Capacity-Building (C&CB) Activities**

- › Multi-Hazard Mitigation Plans
- › Technical Assistance to States
- › Project Scoping
- › Additional C&CB Activities

Allocated up to **\$340 MILLION**

**2 Localized Flood Risk Reduction Projects**  
(previously Community Flood Mitigation Projects)

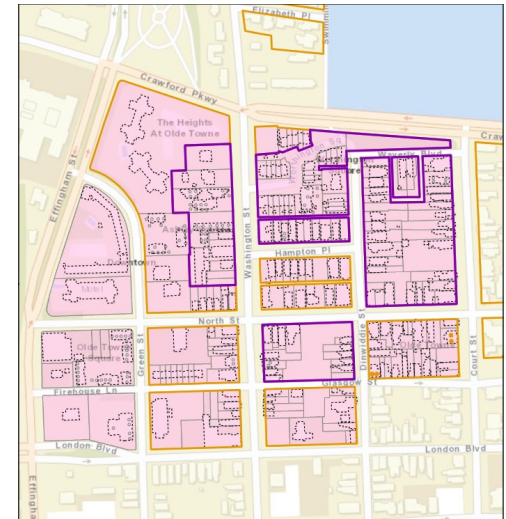
At least **\$400 MILLION**

**3 Individual Flood Mitigation Projects**



# FMA Priorities

- Project scoping for community analysis and design of future:
  - Community flood mitigation projects
  - Individual property mitigation projects (SRL & RL)
- Community Flood Mitigation Projects
  - Localized Flood Control
  - Floodwater Storage & Diversion
  - Floodplain and Stream Restoration
  - Wetland Restoration/Creation



# FMA Priorities Cont...

- Technical Assistance for Applicants awarded at least \$1 million FMA funds in FY 21
- Flood Mitigation Planning
- Individual Flood Mitigation Projects
  - Over 50% of the properties meet the SRL/RL definition
  - If Elevation, the average cost is less than \$250,000
  - If Acquisition, the average cost is less than \$750,000 for all single family dwellings



# FMA Eligible Activities

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





# FMA Scoring Criteria

Final Priority Scoring Criteria for Community Flood Mitigation Projects & Advance Assistance		
Priority	Description	Total Points
NFIP Policy Holder	Points will be assessed for every NFIP policy that is verified within the benefiting area of the project (5 per NFIP Policy)	5 x Each NFIP Policy
Severe Repetitive Loss (SRL) and Repetitive Loss (RL) Properties	Points will be assessed for project that contains SRL or RL properties as defined in priority 4 below (10 per RL and 15 per SRL property)	10 x each RL 15 x each SRL
Private- Partnership Cost Share	Cost share taken on by private organizations/businesses emphasizing community participation, collaboration, and investment. Points will be assigned based on percentage of private cost share invested.	150
Building Code Effectiveness Grading Schedule (BCEGS) rating	BCEGS rating assesses effectiveness of enforcement and adequacy of building codes with emphasis on mitigation. Classes weighted based on national class grouping ratings. Highest weight will be assigned to class 1 and descending through lower classes. (Graded Scale: 1 = 100, 2 = 90, 3 = 80, 4 = 70, 5 = 60, 5 = 50, 6 = 40, 7 = 30, 8 = 20, 9+ = 10)	10-100
Community Rating System (CRS) Participation	The CRS recognizes and encourages community floodplain- management activities that exceed the minimum National Flood Insurance Program standards. Depending on the level of participation, flood insurance premium rates for policyholders can be reduced up to 45%. Highest weight will be assigned to class 1 and descending through lower classes. (Graded Scale: 1 = 100, 2 = 90, 3 = 80, 4 = 70, 5 = 60, 5 = 50, 6 = 40, 7 = 30, 8 = 20, 9 = 10)	10-100
Cooperating Technical Partners Program (CTP) Participation	The CTP is a qualified partnership program in which communities commit to collaborate in maintaining up-to-date flood hazard maps and other flood hazard information. Points will be assigned to CTP participating communities.	100
International Building Codes (IBC) Adopted (2009 or newer)	IBC adoption epitomizes community commitment to responsible building regulations. Points will be assigned to IBC participating communities as follows: 2012 version or lower adopted = 25 and 2015 version or higher adopted = 50.	25-50





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# Briefings for Building Resilient Infrastructure and Communities (BRIC)

# Building Resilient Infrastructure in Communities (BRIC)



- Annual grant focused on climate resilience, community based, infrastructure, and non-flood related projects.
- Funding (previous year)
  - Over \$2 billion in FY 2022, \$50M fed share cap on projects
    - Each state gets a \$2 million set-aside
  - 75% federal share and 25% non-fed share
  - Great for project types benefitting a state agency, local government, or hospital
  - Last year we submitted \$311 million in projects



# Available Funding for Fiscal Year 2022

FEMA will distribute up to \$2.295 billion through the BRIC grant program in the following manner:

**Total Available BRIC Funding**  
**\$2.295 Billion**

Uses of Assistance	<b>\$112M</b> State/Territory Allocations	<b>\$50M</b> Tribal Set-Aside	<b>\$2.133B</b> National Competition for Hazard Mitigation Projects
Management Costs	✓	✓	✓
Capability and Capacity Building Activities	✓	✓	
Hazard Mitigation Projects	✓	✓	✓



# BRIC Highlights from 2021

- 788 applications requesting \$6.44 billion, 53 large competitive projects were selected to move forward
- 19 states received BRIC competitive grant funds versus 10 in 2021
- Four states submitted projects over \$200 million federal share (including VA)
- The City of Virginia Beach's Eastern Shore Drive project was identified (federal funds over \$25 million)



# BRIC Priorities in FY2022



- Incentivize public infrastructure projects
- Incentivize projects that mitigate risk to one or more of the FEMA lifelines
- Incentivize projects that incorporate **nature based solutions**
- Increase funding to Applicants that facilitate the **adoption and enforcement of the latest published editions of building codes**



# BRIC Eligible Activities

- All existing activities from the previous Pre-Disaster Mitigation Grant Program
- Project scoping (greater expansion of advanced assistance)
- Phased projects
- Pre-Award Costs outside of the open application period
- Additional activities for wildfire and win implementation
- Earthquake early warning systems





# BRIC Qualitative Criteria



Risk Reduction /  
Resiliency Effectiveness

The subapplication details the following elements: (1) effective risk reduction; (2) effective increase to resilience; (3) provides ancillary benefits; and (4) leverages innovation. Ancillary benefits could include how this project will address inequities and provide the greatest support to those with greatest need.



Climate Change and  
Other Future Conditions

The subapplication describes how the project will (1) enhance climate adaption, (2) details how the project is being responsive to the effects of climate change<sup>2</sup> (such as sea level rise<sup>3</sup>), (3) details how the project is being responsive to the effects of other future conditions (population/demographic/land use, etc.), and (4) cites data sources, assumptions, and models.



Implementation  
Measures

The subapplication adequately describes: how (1) the costs will be managed; (2) how the schedule will be managed, (3) how the project will be successfully implemented, and how innovative techniques to facilitate implementation will be incorporated; (4) the project's Scope of Work identifies sufficient technical and managerial staff and resources to successfully implement this project.





# BRIC Qualitative Criteria



Population Impacted

The subapplication demonstrates: (1) community-wide benefits (2) the proportion of the population that will be impacted, including a description of the disadvantaged communities as referenced in EO 14008; (3) how the project was selected and designed to maximize positive impacts and minimize negative impacts to any disadvantaged populations as referenced in EO 14008.; (4) the proposed project is clearly benefiting a disadvantaged community.

**\*\*NOTE – if the population does not include a disadvantaged community, then the highest point allotment available is 10**



Outreach Activities

The subapplication describes: (1) the outreach strategy and supporting activities appropriate to the project and advancing community mitigation; (2) the types of community planning processes leveraged; (3) and describes how input from a diverse range of stakeholders, including people from disadvantaged communities, was gathered and incorporated into project conception and design.

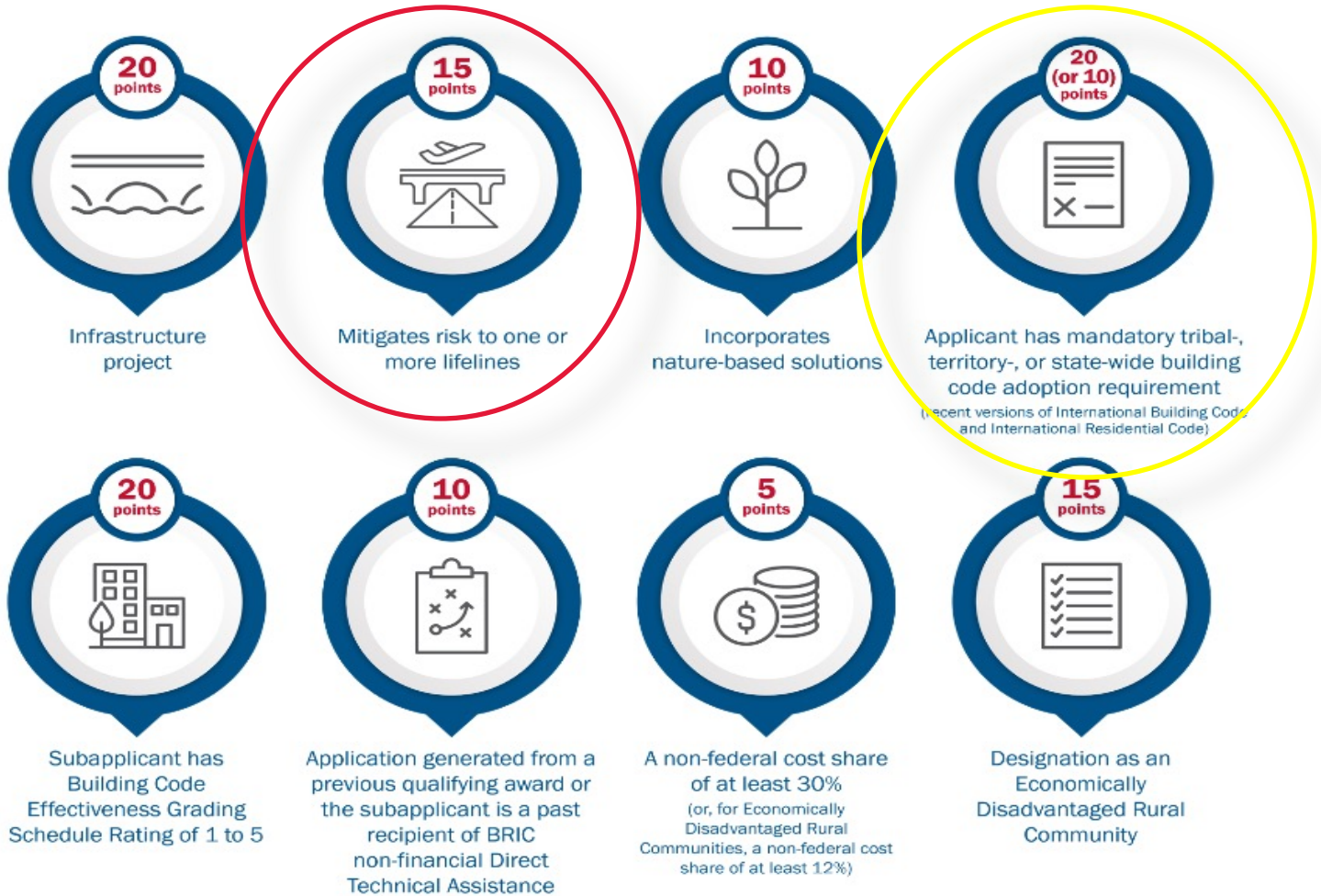


Leveraging Partners

The project subapplication incorporates: (1) partnerships (e.g., state, territory, tribal, private, district, local community) that will ensure the project meets community needs, (2) an explanation on how these partnerships benefit disadvantaged communities, and (4) an explanation on the anticipated outcome of those partnerships (e.g., leveraging resources such as financial, material, and educational resources, coordinating multi-jurisdictional projects, heightened focus on equity related issues).



# BRIC Technical Criteria





# 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

# What we Learned from FY 2020

- All applications awarded addressed more than one community lifeline
- 17 out of 22 had an increased cost share
- All applications were infrastructure projects that protected populations, the economy, and the infrastructure
- All of the applicants had a BCEG score of 1-5
- All applicants came from states that had adopted the most recent building codes (which Virginia has as of July 1, 2021)





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# Project Types





# Flood Risk Reduction Projects



May be combined with acquisition/demolition to accomplish project



# Floodplain and Stream Restoration

Reach 12 of Snakeden Branch - Reston, Virginia



## *Before Restoration*

*Erosion of this urban stream's bed and banks exposed buried utility lines, damaged adjacent walking trails, and exposed tree roots, causing healthy trees to topple.*



## *1.5 years after restoration construction*

*During restoration construction, the stream bed was raised to reconnect with the floodplain. Placement of rock structures directs flow away from channel banks and creates riffles & pools.*

Projects that restore and enhance the floodplain, stream channel and riparian ecosystem's natural function.



May be combined with acquisition/demolition to accomplish project

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# Infrastructure Protective Measures

King George County – River Stabilization Project

HMGP DR-4262 (Winter Snowstorms) Awarded February 2018

Total Cost - \$2,328,770 / Local Share - \$116,438.50



Before Mitigation



After Mitigation



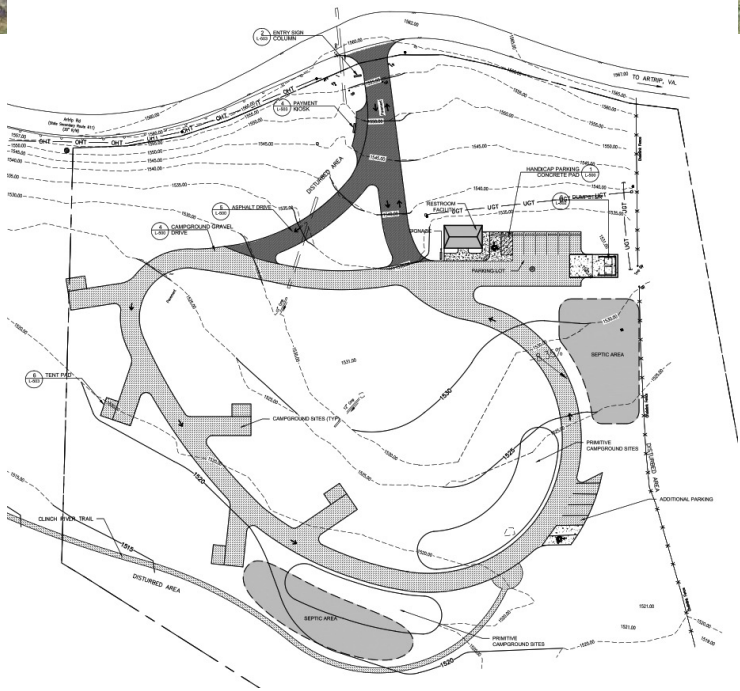


# Infrastructure Protective Measures





# Acquisition





# Elevations





# Floodproofing



Ideal for Historic Structures,  
Businesses, or Public Buildings



# Generators



Must protect a critical facility

- Hospitals/Nursing homes
- Police/Fire/EOC
- Public/Private Utility
- HazMat

Production/Storage Facilities



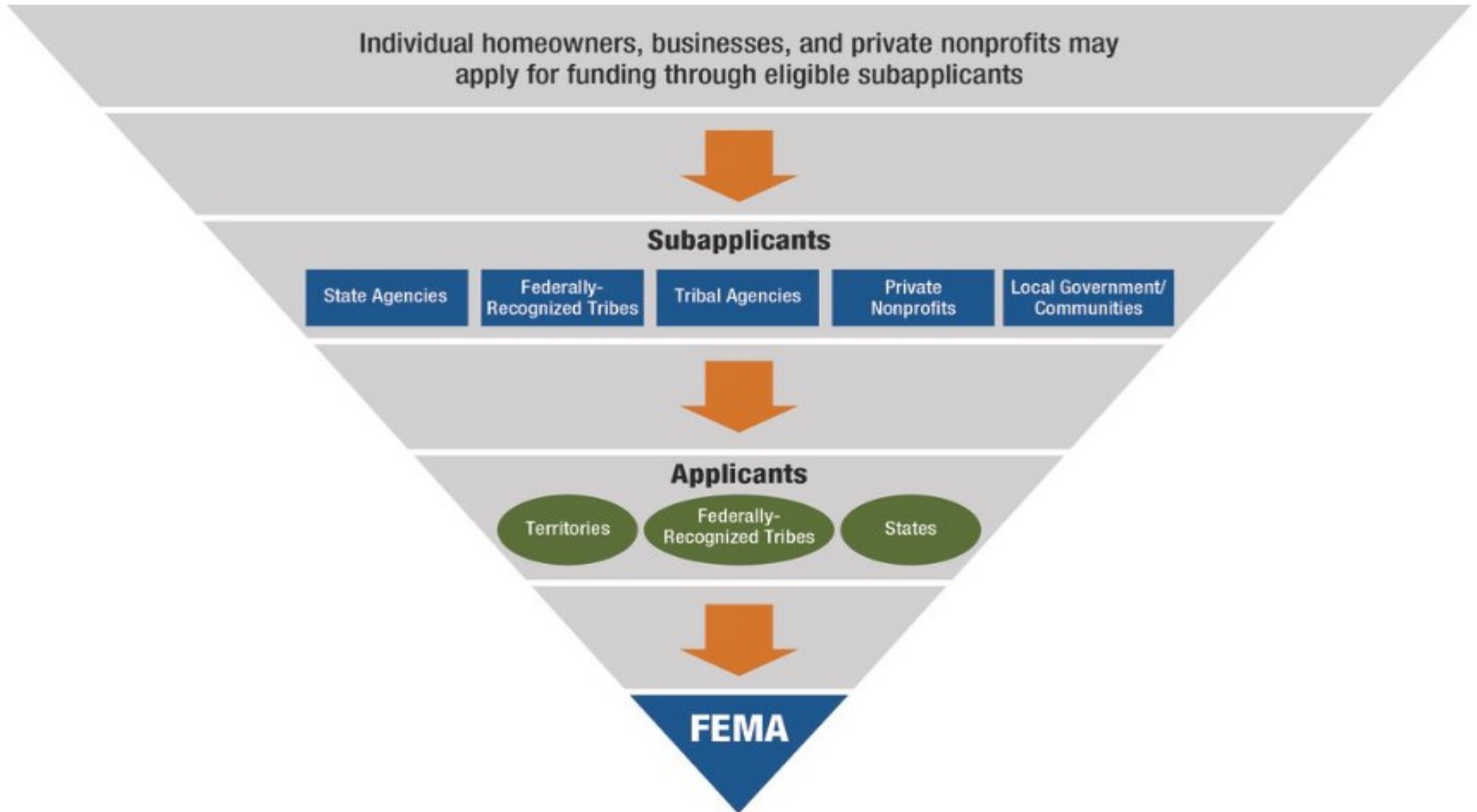


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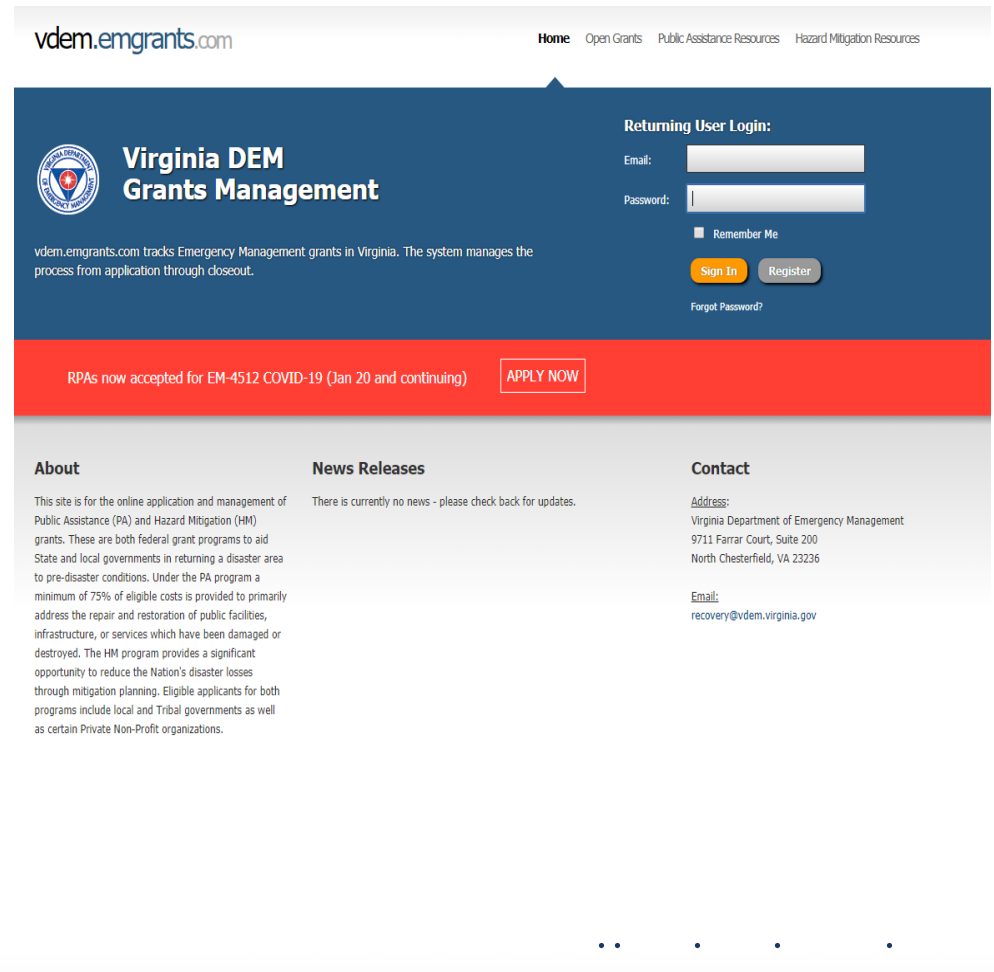
# Creating a Pre-Application and a Grant Application

# How to Apply



# VDEM.EMGRANTS.COM

- Same system is used for Mitigation and Public Assistance
- Register for an Account
- Create a grant pre-application
- Create a grant application



The screenshot displays the homepage of the Virginia DEM Grants Management system. At the top, the URL 'vdem.emgrants.com' is visible on the left, and navigation links for 'Home', 'Open Grants', 'Public Assistance Resources', and 'Hazard Mitigation Resources' are on the right. The main header features the Virginia Department of Emergency Management logo and the title 'Virginia DEM Grants Management'. Below the header, a blue section contains a 'Returning User Login' form with fields for 'Email:' and 'Password:', a 'Remember Me' checkbox, and 'Sign In' and 'Register' buttons. A 'Forgot Password?' link is also present. A red banner below the login section reads 'RPAs now accepted for EM-4512 COVID-19 (Jan 20 and continuing)' with an 'APPLY NOW' button. The footer is divided into three columns: 'About' (describing the online application and management of Public Assistance (PA) and Hazard Mitigation (HM) grants), 'News Releases' (stating there are currently no news), and 'Contact' (providing the address: Virginia Department of Emergency Management, 9711 Farrar Court, Suite 200, North Chesterfield, VA 23236, and the email: recovery@vdem.virginia.gov).





# Grant Pre-Application

The screenshot displays a web application interface with a sidebar on the left and a main content area. The sidebar contains a 'Projects' section with a sub-menu for 'Grant Pre-Applications'. A blue arrow points from this sub-menu item to a modal window titled 'Create a New Request'. The modal window lists seven request types with brief descriptions:

- New Request for Public Assistance**: This form notifies the State of the intent to participate in a given newly declared Grant. The Applicant details as well as key contacts are specified.
- New Project Forecast**: This form notifies the State of the projects expected to result from this Grant.
- New Account Closeout**: The Account Closeout Request notifies VDEM that all the work in all projects in this disaster is complete and all requested funding has been received.
- New Project Withdraw Request**: This form requests the immediate closure of an account typically due to an Applicant not having eligible damage from a given Grant.
- New Appeal Request**: The Appeal Request notifies VDEM that the Applicant would like to Appeal a determination by FEMA or VDEM.
- New Net Small Project Overrun Appeal (NSPOA)**: This form notifies the State that eligible expenses exceed the total eligible amount of all Small Projects. These requests must be submitted within 60 days of completion of work.
- New Grant Pre-Application**: The Grant Pre-Application is used to provide preliminary information in order to determine if the project is Mitigation eligible. If the Pre-Application is approved, a full Grant Application is submitted.

The modal window also includes a 'Cancel' button at the bottom right.



# Grant Pre-Application

Once the pre-application is complete and advanced, it will be reviewed and either approved or denied within 2 days.

☰ \* Form >

Category:

Project Title:   
Used to help identify the Project. Ex: "Jurisdiction - Project Name".

**Community Information**

Does the community have a local adopted Hazard Mitigation Plan?

Does the community have a comprehensive plan?

Does the community participate in the NFIP?

Does the community have land use zoning?

Does the community have subdivision ordinances?

Does the community have building codes?

Building Code Development and Enforcement:   
Describe building code development and enforcement activities from the last five years; identify existing problems and/or successes.

**Project Details**

**!** In order to add Grant Application Worksheets, the form must first be saved.

Identify the problem:

Project Description:   
Briefly describe the proposed project as a solution to the problem. Include a description of the project benefits and the damages that will be avoided if the project is implemented. Identify all hazards that will be addressed by the project.

**Estimated Budget**



# Grant Application

- Summary
- \* Form**
  - Introduction
  - Costs
  - Acts & Executive Orders
  - Agreements
- Notes
- Documents
- Workflow
- History

Project Type: [\(change\)](#)

Title:   
Used to help identify the project. Ex: "St Thomas Bridge Reinforcement".

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Primary Contact:

Alternate Contact:

Authorized Contact:

**Requested Applicant Updates**  
Fill out the following fields if the following values are incorrect. - [\(View Applicant\)](#)

State Tax Number:   
Current State Tax Number value:

Federal Tax Number:   
Current Federal Tax Number value:

FEIN:   
Current Federal Employer Identification Number value: 54-6001445

FIPS:   
Current FIPS value: 127-99127-00

DUNS:   
Current DUNS value: 626769095

Congressional District:   
Current Congressional District value:

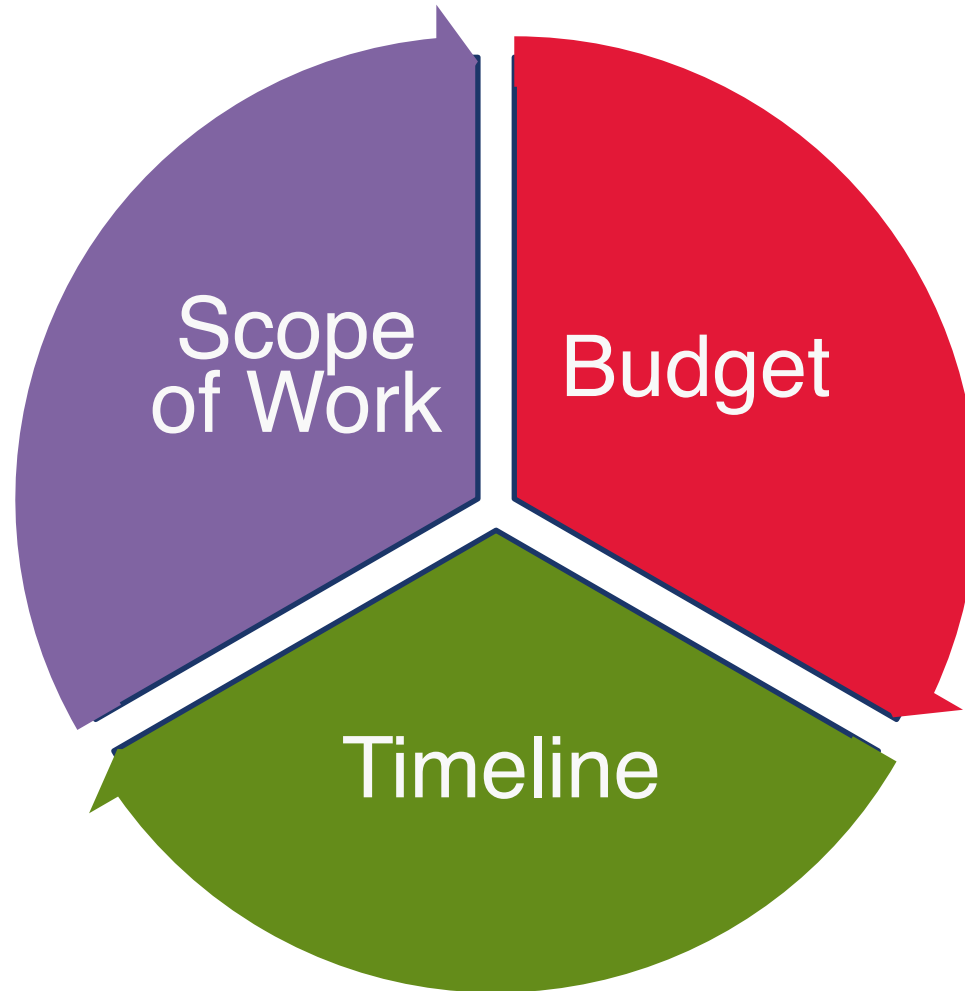
Congressman Name:   
Current Congressman Name value:

State Senatorial District:   
Current State Senatorial District value:

Senator Name:   
Current Senator Name value:



# Grant Application



# BRIC/FMA Deadlines

- **FMA/BRIC** - Notice of Funding Opportunity (NOFO) to be released by FEMA soon.
- Pre-applications Due to VDEM: October 15, 2023
- Full/Completed applications Due to VDEM: November 10, 2023
- **FMA/BRIC** - Applications Due to FEMA: Late January 2024 (This is the VDEM to FEMA deadline)
- **FMA/BRIC** - Projects Selected/Identified for Further Review: approximately Summer 2024



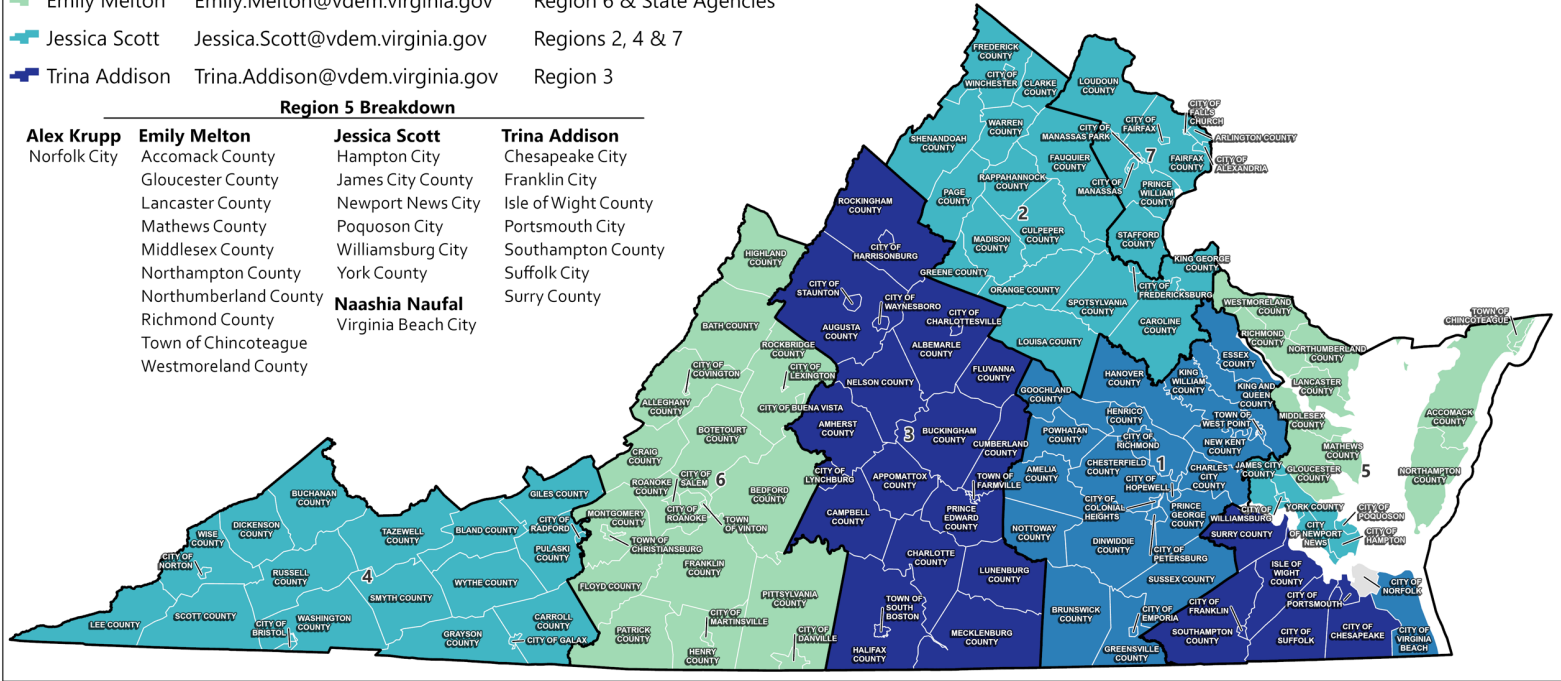
# Meet the Staff

## Mitigation Grant Administrator Regions 2023

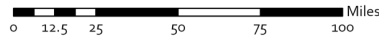
- Naashia Naufal Naashia.Naufal@vdem.virginia.gov Region 1 & Statewide Shelter Upgrade Fund
- Alex Krupp Alexander.Krupp@vdem.virginia.gov City of Norfolk
- Emily Melton Emily.Melton@vdem.virginia.gov Region 6 & State Agencies
- Jessica Scott Jessica.Scott@vdem.virginia.gov Regions 2, 4 & 7
- Trina Addison Trina.Addison@vdem.virginia.gov Region 3

### Region 5 Breakdown

Alex Krupp	Emily Melton	Jessica Scott	Trina Addison
Norfolk City	Accomack County	Hampton City	Chesapeake City
	Gloucester County	James City County	Franklin City
	Lancaster County	Newport News City	Isle of Wight County
	Mathews County	Poquoson City	Portsmouth City
	Middlesex County	Williamsburg City	Southampton County
	Northampton County	York County	Suffolk City
	Northumberland County	<b>Naashia Naufal</b>	Surry County
	Richmond County	Virginia Beach City	
	Town of Chincoteague		
	Westmoreland County		



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 Debbie Messmer Debbie.Messmer@vdem.virginia.gov State Hazard Mitigation Officer  
 Alex Krupp Alexander.Krupp@vdem.virginia.gov Deputy State Hazard Mitigation Officer



VDEM GIS | Map updated: 7/7/2023

Debbie Messmer State Hazard Mitigation Officer - SHMO - Debbie.Messmer@vdem.virginia.gov



# Questions?



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