

Coastal Virginia CRS Workgroup September 2021 Meeting

COASTAL VIRGINIA COMMUNITY RATING SYSTEM WORKGROUP



WORKING TOGETHER FOR A STRONGER VIRGINIA



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UPDATES / ANNOUNCEMENTS

WORKGROUP MEETING INTRODUCTIONS

Zoom manners

2021 Meeting Dates

Wednesday, November 17, 10AM-Noon (in person & zoom - James Room)

Wednesday, January 26, 10AM-Noon (in person & zoom - James Room)

Wednesday, March 30, 10AM-Noon (in person & zoom - James Room)

Wednesday, May 25, 10AM-Noon (in person & zoom - James Room)

CFM CECs

November 2020 – 1.5 CEC

January 2021 – 1.5 CEC

March 2021 – 1.5 CEC

May 2021 – 1.5 CEC

July 2021 – 1.5 CEC



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VA FLOODPLAIN MANAGEMENT ASSOCIATION: MEMBERSHIP & CONFERENCE



Individual Memberships (\$25.00)

- Networking Opportunities
- Training and Workshops
- Membership Directory
- Quarterly Newsletters

Corporate Memberships (\$150.00)

- Same access as Individual Members
- Includes 7 members (1 membership free – \$25 discount)
- Company logo on the VFMA website

[Link to membership page](#)

SAVE THE DATE!

VFMA VIRTUAL CONFERENCE DECEMBER 2-3, 2021



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ISO VIRGINIA REPRESENTATIVE

Emily Schmidt

ISO/CRS Specialist

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WATERSHED MASTER PLANNING?

Anyone getting credit for this yet?



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PRESENTATION: CITY OF NEWPORT NEWS

Kathie Angle

Supervising Engineer – Civil Design Stormwater

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Hai Tran

Engineer III

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Howard Nelson

GIS/Cartographic Specialist

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POLL

Acquisition/Newport News Poll



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VA DCR FLOODPLAIN STAFF

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VA COMMUNITY FLOOD PREPAREDNESS FUND - UPDATE

Angela Davis

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CFPF - TRACKING APPROVED LOCAL RESILIENCE PLANS

[Coastal VA CRS Workgroup CFPF Page](#)

Page will also track Fund awards &
other relevant info



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POLL

CFPF Poll

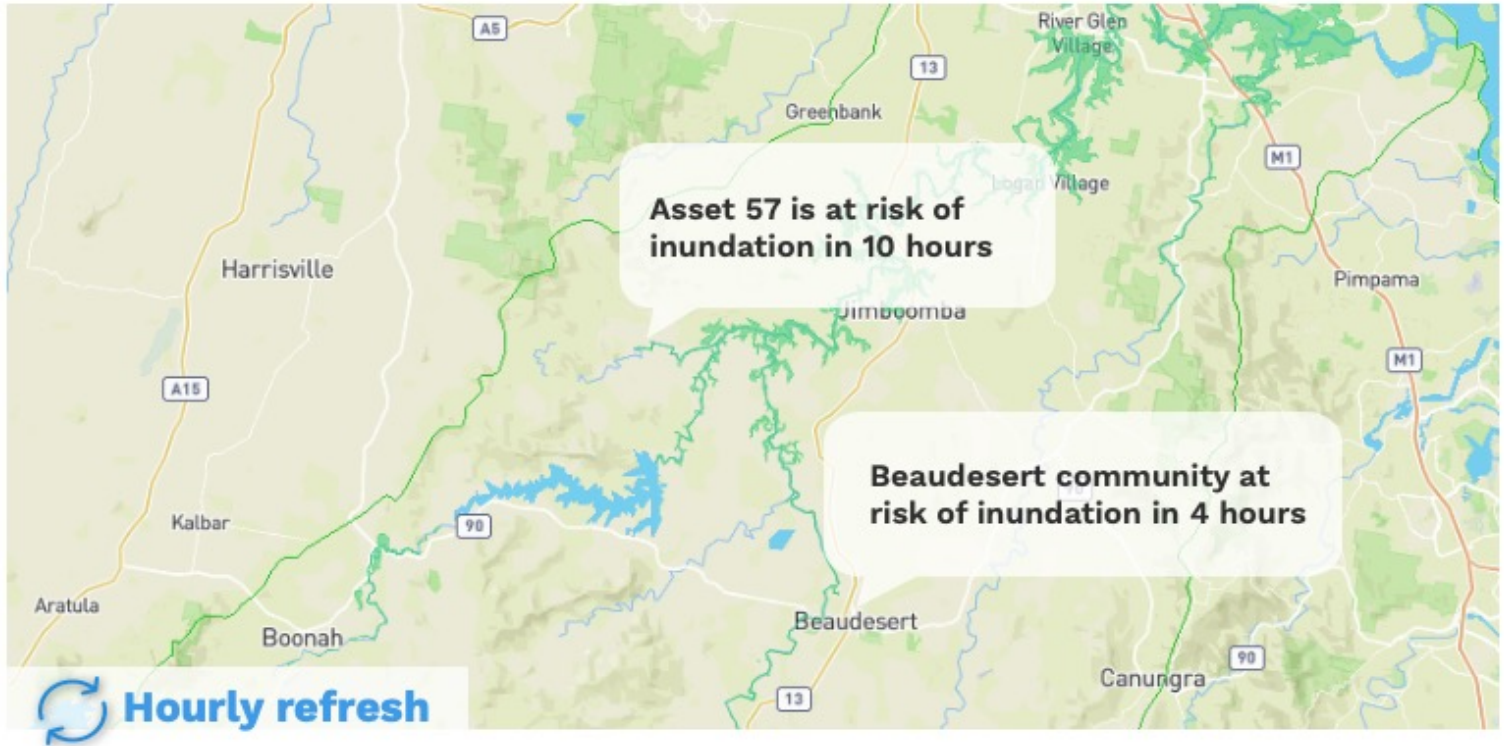


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FLOODMAPP & THE CRS PROGRAM: MARK SLAUTER



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FLOODMAPP & THE CRS PROGRAM: MARK SLAUTER

- Engage the local CRS Chapter to assist in identifying CRS activities where the FloodMapp tools have a points value.
- Review, revise, edit my initial list of CRS activities that I think the FloodMapp tools have a points value.
- Review the FloodMapp products.
- Assist in the identification and development of a pilot project. The project would be for one or two CRS communities. The purpose is to acquire the data needed for the FloodMapp models and develop a report detailing how these meet the identified CRS activities.



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CRS NEXT: UPCOMING UPDATE TO CRS, WITH RR 2.0

- Extended the comment period until 10/22/21
- 188 comments received so far
- [Wetlands Watch's comments](#)



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RISK RATING 2.0

- Wetlands Watch's [RR 2.0 Tracking Page](#)
 - Includes [talking points](#)

- ASFPM RR 2.0 Localized Policy Impacts [Interactive Map](#)



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RISK RATING 2.0 & THE CRS PROGRAM

GOV: Not inclusive of HFIAA surcharge, Federal Policy Fee, and assessment fee

Use Case 12-CRS Discount

	Legacy Pricing Methodology CRS Discount (%)	Legacy Pricing Methodology Premium Without CRS Discount	Legacy Pricing Methodology Premium with CRS Discount	New Pricing Methodology Full-Risk Premium without CRS Discount	New Pricing Methodology Full-Risk Premium after CRS Discount	Applicable Glidepaths and Starting Point (New Pricing Methodology)
Structure 1 <ul style="list-style-type: none"> Inside the SFHA Legacy Pricing Methodology Standard A Zone Policy Built to Compliance 	30%	\$2,000	$\$2,000 - (30\% \text{ Discount}) = \$1,400$	\$3,000	$\$3,000 - (30\% \text{ Discount}) = \$2,100$	Year 1 Premium: $[\$1,400 + 18\% \text{ glidepath}] = \$1,652$ Year 2 Premium: $[\$1,652 + 18\% \text{ glidepath}] = \$1,949.36$ Year 3 <i>Glidepath increase: $[\\$1,949.36 + 18\% \text{ glidepath}] = \\$2,300 > 2100$</i> Year 3: Premium = \$2,100 (Full-Risk Premium after CRS Discount)
Structure 2 <ul style="list-style-type: none"> Outside the SFHA Legacy Pricing Methodology Standard X Zone Policy Built to Compliance 	10%	\$1,000	$\$1,000 - (10\% \text{ Discount}) = \900	\$2,000	$\$2,000 - (30\% \text{ Discount}) = \$1,400$	Year 1 Premium: $[\$900 + 18\% \text{ glidepath}] = \$1,062$ Year 2 Premium: $[\$1,062 + 18\% \text{ glidepath}] = \$1,253.16$ Year 3 Reach \$1,400 (New Pricing Methodology Premium After CRS Discount)
Structure 3 <ul style="list-style-type: none"> Outside the SFHA Legacy Pricing Methodology PRP Built to Compliance: N/A 	No Discount	\$500	\$500	\$2,000	$\$2,000 - (30\% \text{ Discount}) = \$1,400$	Year 1 Premium: $[\$500 + 18\% \text{ glidepath}] = \590 Year 2 Premium: $[\$590 + 18\% \text{ glidepath}] = \696.20 --- Year X: Reach \$1,400 (New Pricing Methodology Premium After CRS Discount)
Structure 4 <ul style="list-style-type: none"> Inside the SFHA New Business under New Pricing Methodology Not Built to Compliance 	N/A	N/A	N/A	\$3,000	\$3,000	Straight to Full-Risk Premium, no glidepath
Structure 5 <ul style="list-style-type: none"> Outside the SFHA New Business under New Pricing Methodology Built to Compliance: N/A 	N/A	N/A	N/A	\$2,000	$\$2,000 - (30\% \text{ Discount}) = \$1,400$	Straight to Full-Risk Premium after CRS Discount, no glidepath



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VA BRIC & FMA 2020 UPDATE

BRIC 2020

Applicant	Application Name	Funding Type	Status	Total project Cost
Northern Neck PDC	Regional Hazard Mitigation Plan Update	Allocation	Selected for Further Review	\$100,000
Middle Peninsula PDC	Fight the Flood Program Development	Allocation	Selected for Further Review	\$100,000
Albemarle County	Flood Hazard Modeling and Reduction in the Branchlands Neighborhood	Allocation	Selected for Further Review	\$128,348
New River Valley Regional Commission	Hazard Mitigation Plan Update	Allocation	Selected for Further Review	\$100,000
DHCD	Statewide Disaster Response Network	Allocation	Selected for Further Review	\$107,520
VDEM	BRIC 2020 Management Costs	Management Cost	Selected for Further Review	\$8,840,000
Town of Tangier	Feasibility Study and Preliminary Design for Microgrid Power on Tangier Island	Allocation	Selected for Further Review	\$126,700
City of Fairfax	Plan Integration	Allocation	Selected for Further Review	\$12,092
George Washington Regional Commission	Regional Hazard Mitigation Plan	Allocation	Selected for Further Review	\$100,000

FMA 2020

Applicant	Application Name	Funding Type	Status	Total project Cost
VDEM	FMA 2020 Management Costs	Management Costs	Identified for Further Review	\$1,349,625
DMME	Hampton Community Flood Mitigation Strategy	Competitive	Identified for Further Review	\$302,000
City of Portsmouth	First Floor Versus the Flood: Innovative Remote Sensing for First Floor Elevation	Competitive	Identified for Further Review	\$300,000
Henrico County	Lakeside Park Flood Mitigation Design	Competitive	Identified for Further Review	\$197,292
City of Chesapeake	Acquisition/Demolition of 3 SRL Structures	Competitive	Identified for Further Review	\$715,700
Fairfax County	819 Swinks Mill Road Acquisition	Competitive	Identified for Further Review	\$920,000
Roanoke County	Acquisition and Demolition of 1 SRL Property	Competitive	Identified for Further Review	\$241,531
City of Colonial Heights	Acquisition of 610 Lakeview Avenue	Competitive	Identified for Further Review	\$240,080
City of Norfolk	Yarmouth Street Elevations (4 Units)	Competitive	Identified for Further Review	\$1,605,625



Virginia Department of
Emergency Management

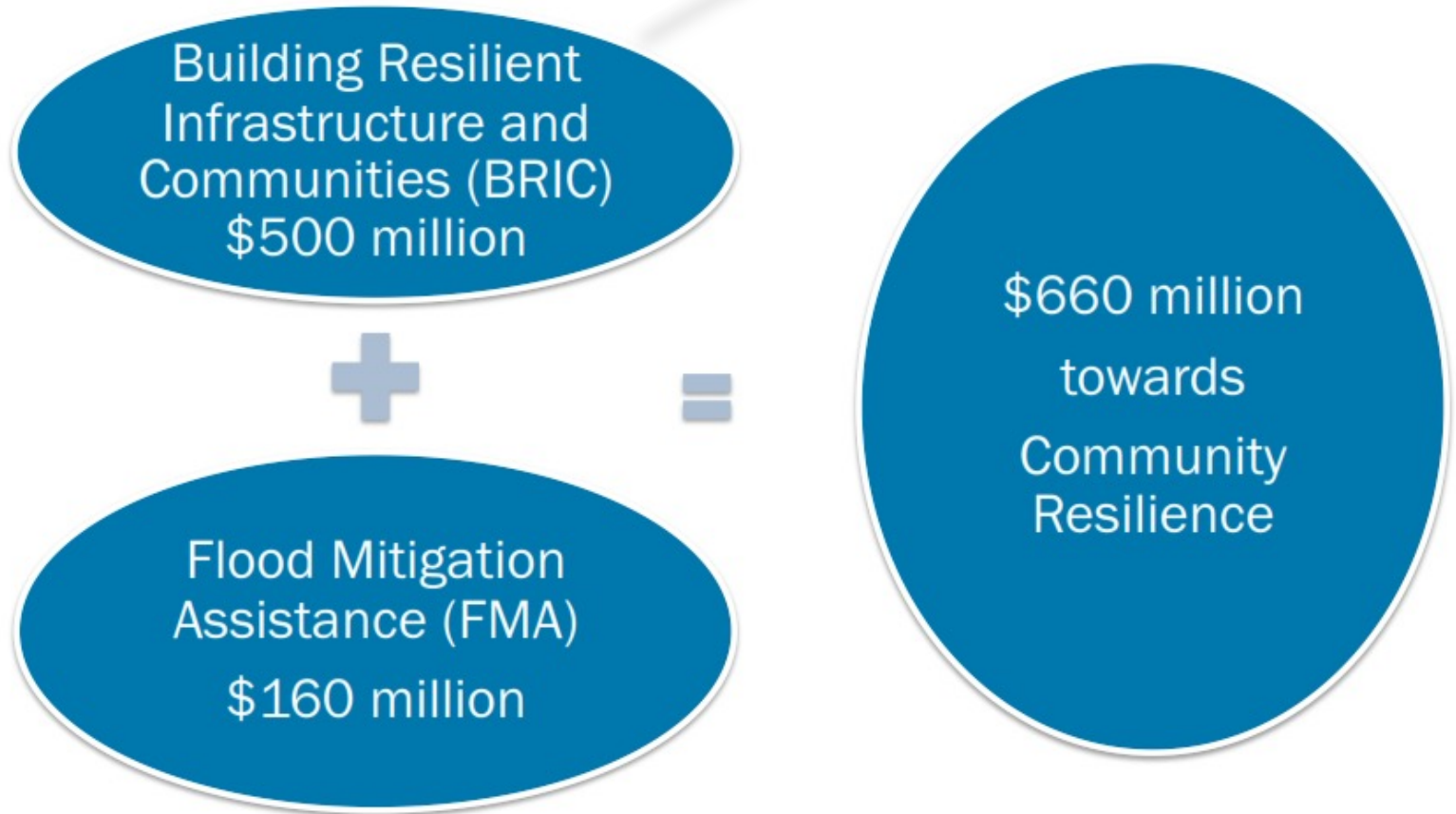
Coastal Resiliency Committee Meeting

Date: September 24, 2021

Resilience Funding Opportunities through FEMA

FY 2020 Funding

BRIC is funded by a 6% set-aside from federal post-disaster grant funding



****COVID-19 Funds will factor into BRIC in FY 2021 Funding**

BRIC Technical Criteria



Infrastructure project



Mitigating risk to one or more lifelines



Incorporation of nature-based solutions



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



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



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



Increased non-federal cost share



Designation as a small impoverished community

BRIC NOFO - Qualitative Criteria



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**

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

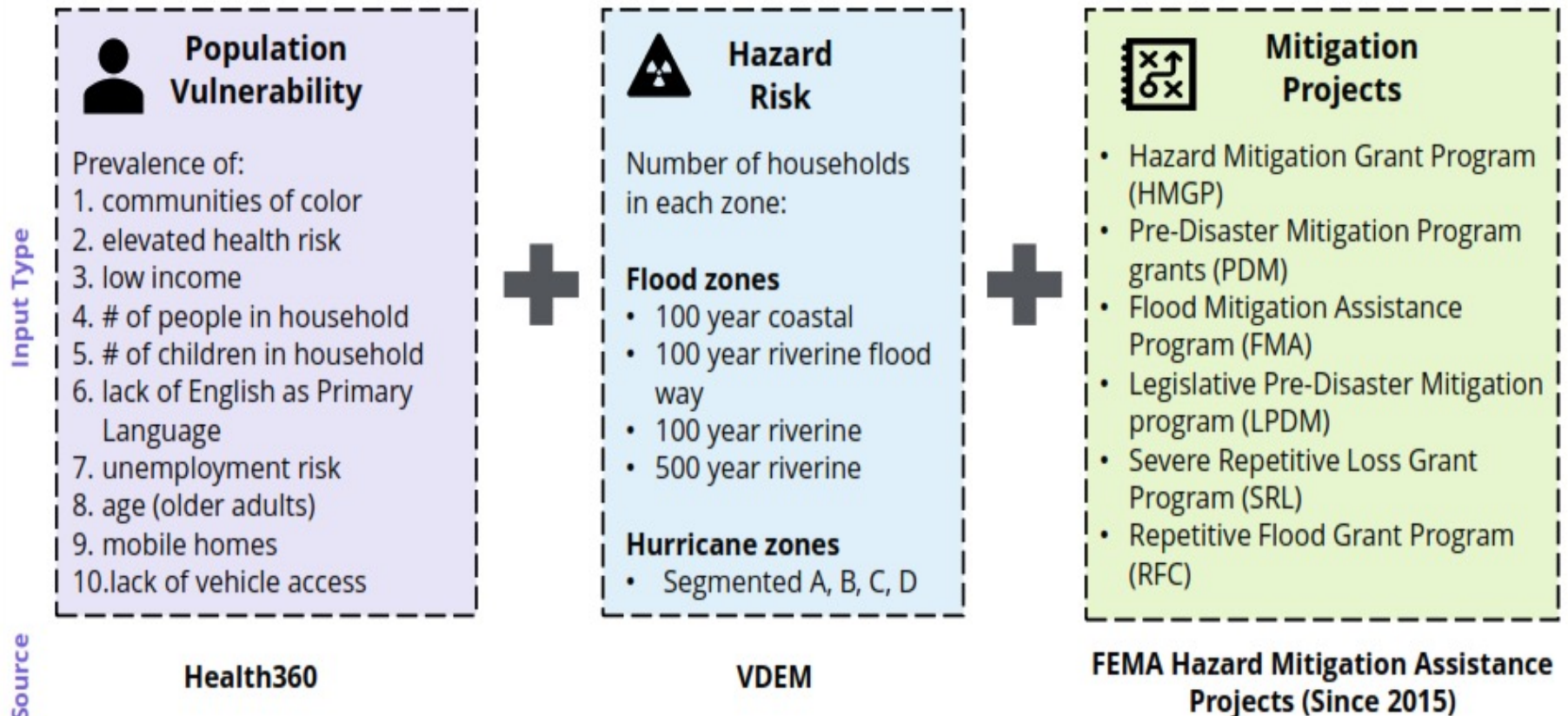


Hazardous Material - Facilities, HAZMAT, Pollutants, Contaminants

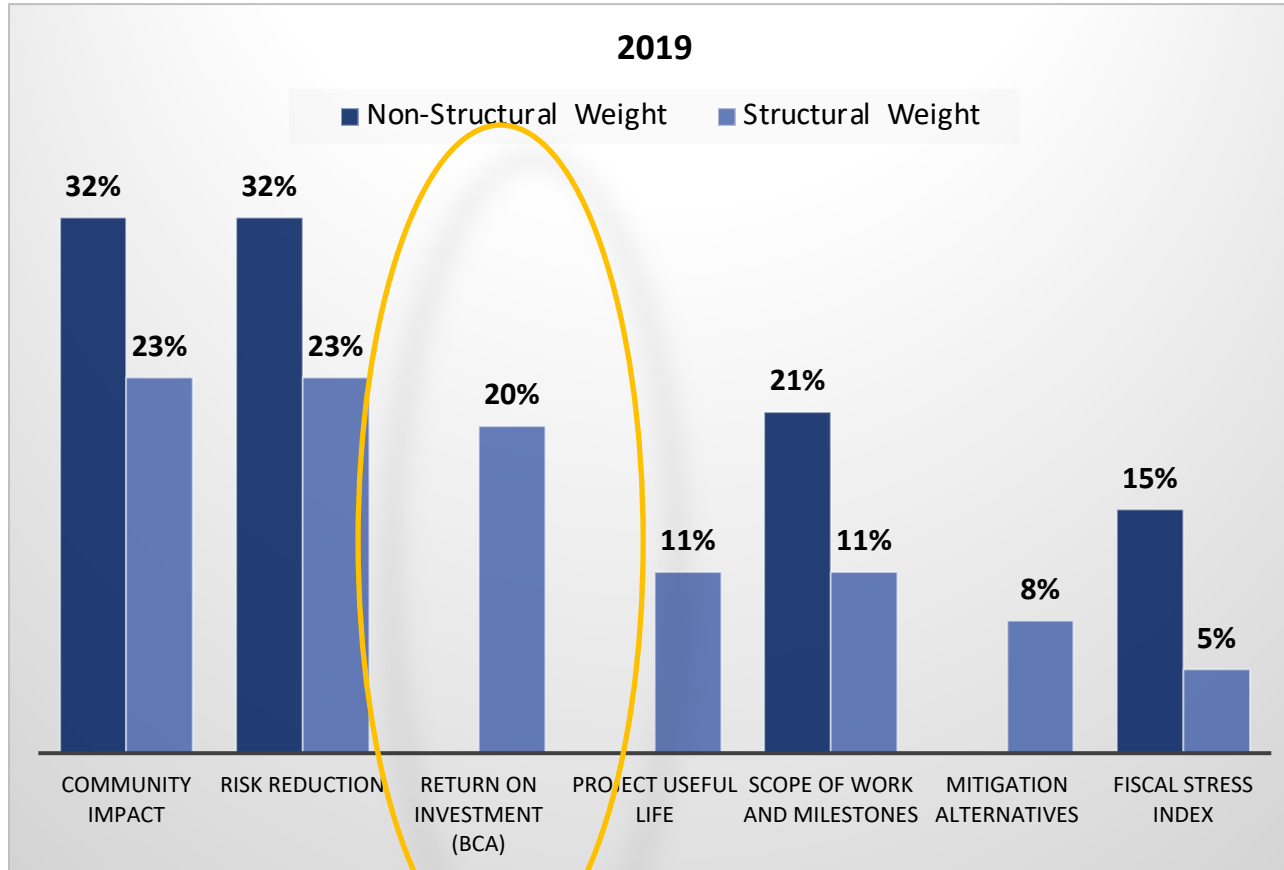
A “revised-vulnerability assessment” was performed for flooding

How we identified hazard risks and mitigation projects

A comprehensive view of population vulnerability, hazard risks, and mitigation project investments enables additional analysis on equity.

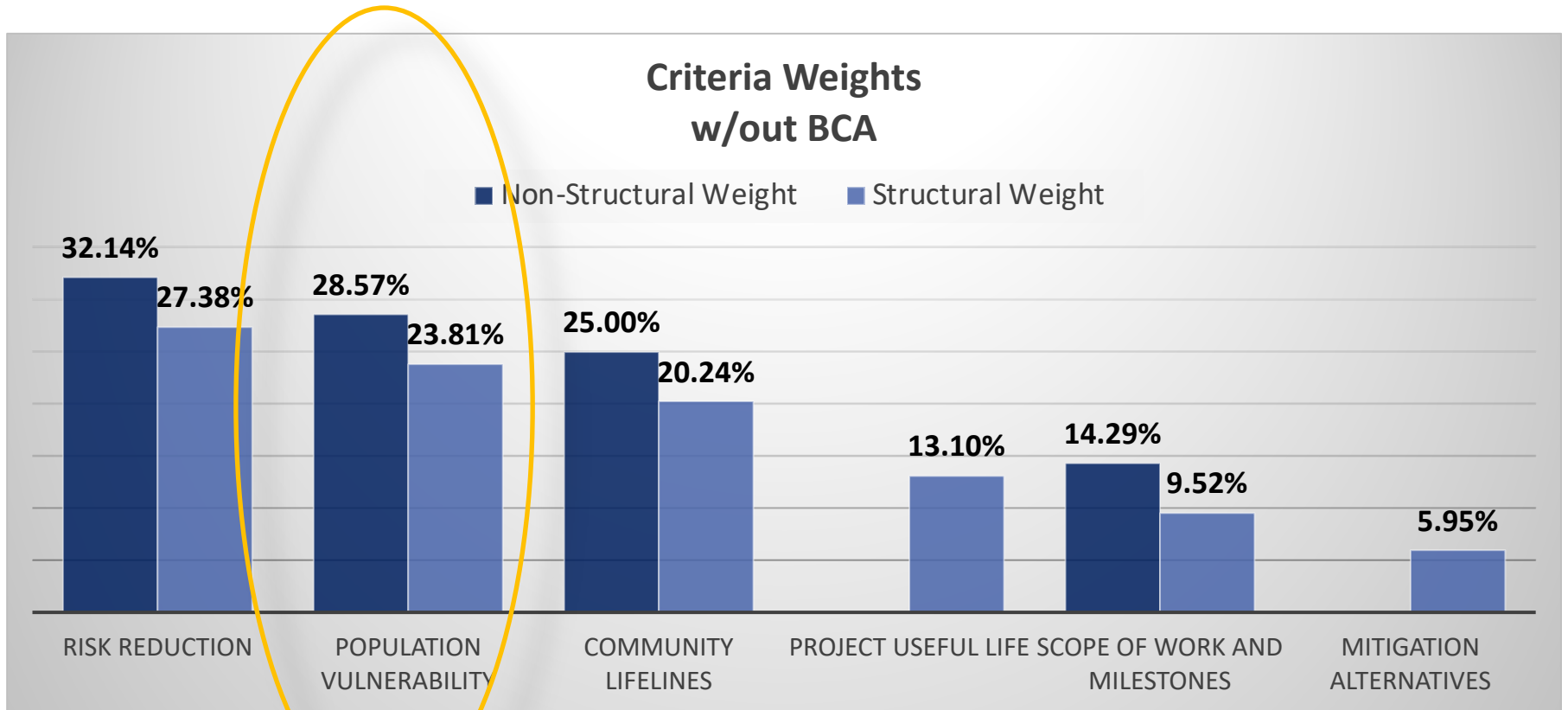


2019 Scoring Criteria

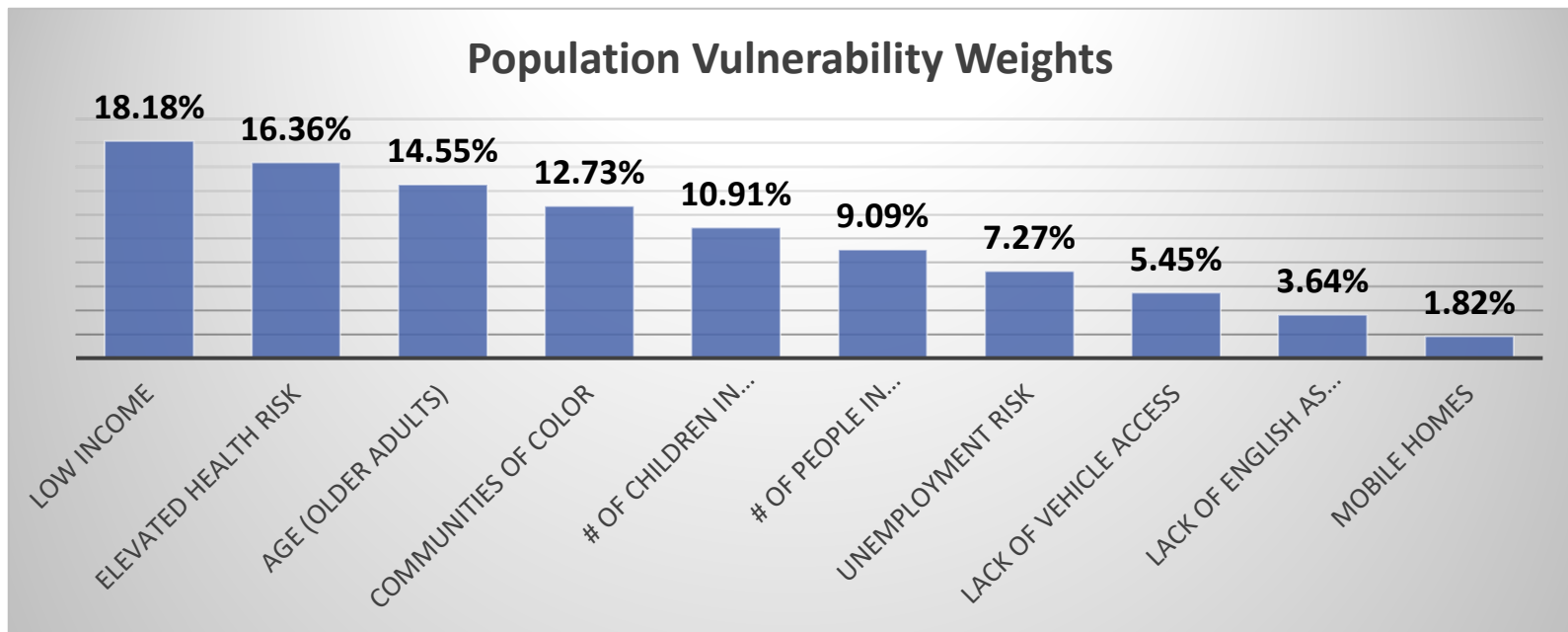


Benefit Cost Analysis accounted for 20% of the project score in 2019

FY 20 HMA Scoring Criteria



Breakdown of Population Vulnerability Weights



Results – FY 20

- 13 of the 33 project application submitted for BRIC were for local governments that were in the top 70% (40 total) in equity score based on the Deloitte Analysis. Virginia was one of 5 states to submit over \$200M in project applications.
- 7 of the 14 project applications submitted for FMA were for local governments that were in the top 70% (40 total) in equity score based on the Deloitte Analysis

FY 20 Cycle

FY 20 Cycle Stats

Next Steps

- Virginia is set to received \$62M (federal share) through the COVID-19 Hazard Mitigation grant program
- VDEM is currently evaluating FY 20 BRIC applications for consideration for HMGP
- Focus will be on projects that are in vulnerable population areas – Health 360 Analysis
- Build off of summer equity workshops, and structure future technical assistance towards high priority local projects in vulnerable population areas.

Open Application Period

- November 10th Deadline
 - FY 21 BRIC applications
 - FY 21 FMA applications
 - DR 4602 HMGP applications (February Ice Storm)
- Apply through <https://vdem.emgrants.com>

Goal

- Continual application development and technical assistance cycle.
- Projects that do not get funded in one cycle, may get funded next cycle, or under the next disaster.
- VDEM is looking at building additional capacity to support hazard mitigation efforts and technical assistance moving forward

Questions?



Contact Information

804-516-5774

Robert.Coates@VDEM.virginia.gov

BRIC Project Application Results

Applicant Name	Application Title	Amount	Total Score
Dinwiddie County	Installation of a New Emergency Water Line Connection	\$3,747,297	92.03
Norfolk, City of	Road Infrastructure Upgrades, Expansion of a Retention Pond, Road Closure Signs	\$11,000,000	88.38
Portsmouth, City of	Construction of a Public Safety Complex to Combine Various Emergency Services into 1 Location	\$64,382,332	87.88
Hampton, City of	Sanitary Pump Station Stand-By Emergency Power Project	\$526,500	84.88
Hampton, City of	North Armistead Ave Road Resilience and Elevation Project	\$12,533,807	83.00
Chesapeake, City of	N Battlefield Blvd Road Elevation Project	\$4,200,697	77.69
Greene County	Water Supply Protection Project – Creation of a New Water Supply for the Town of Standardsville	\$73,000,000	76.58
Hampton, City of	Honor Park Resilience Project – Bio filters, Walkway Construction and Living Shoreline Work	\$6,037,948	75.48
Crewe, Town of	Emergency Generators	\$98,794	75.42
Chesapeake, City of	Deepwater Dr Road Elevation	\$450,300	74.72
Portsmouth, City of	Emergency Services Communication Improvements	\$3,688,566	74.44
Hillsboro, Town of	Hillsboro Water Supply Protection Measure	\$200,040	74.36
Henrico County	Woodman Rd Drainage Improvements	\$5,445,825	73.32

BRIC Project Application Results

Applicant Name	Application Title	Amount	Total Score
Virginia Beach, City of	Eastern Shore Drive Drainage Improvement Project	\$30,548,107	72.80
York County	Goodwin Neck Culvert Replacement	\$854,300	71.14
Chesapeake, City of	Wastewater Pump Station 43 Relocation and Reconstruction	\$3,000,000	70.50
VA Dept of Conservation and Recreation	Rehabilitation of 14 High Hazard Impounding Structures	\$60,000,020	69.80
Smithfield, Town of	Great Springs Road Acquisition & Demolition Project	\$876,420	66.00
Bedford, Town of	Bedford Memorial Hospital Generator	\$4,274,405	65.78
Chesapeake, City of	Install Fixed Generators at 3 Wastewater Pump Stations	\$334,996	63.86
Prince William County	Fleetwood Drive Floodgates	\$199,032	63.78
Henrico County	Gambles Mill Pump Station Water/Sewer Protective Measures	\$12,078,740	63.24
Middle Peninsula PDC	6 Residential Parcel Living Shoreline Construction	\$130,000	62.69
Altavista, Town of	English Park Shoreline Stabilization	\$100,000	62.32
Middle Peninsula PDC	MPCBPAA Hog Island Living Shoreline Construction	\$147,000	56.73
Alexandria, City of	Four Mile Run Sediment Removal Project With USACE	\$1,875,000	55.36
Pamunkey Tribe	Generators for Community Shelter and Office	\$81,900	Did Not Score

BRIC Project Scoping Results

Applicant Name	Application Title	Amount	Total Score
Tangier, Town of	Feasibility Study and Preliminary Design for Microgrid Power	\$126,700	66.85
Middle Peninsula PDC	Fight The Flood Strategic Implementation Program Development	\$100,000	65.43
VA Department of Housing and Community Development	Building Code Training Project	\$107,52	65.02
Albemarle County	Flood Modeling and Reduction in Branchlands Neighborhood	\$150,000	59.06
Amherst County Service Authority	Water Systems Inter-Connection	\$148,300	57.86
Chesterfield County	H&H Roadway Analysis Package	\$250,000	48.54

THANK YOU!



WORKGROUP MEMBER/ATTENDEE REPORT OUTS

Time for Workgroup members/attendees to bring up any news, questions, or future meeting topics to the group.



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THANKS!

Mary-Carson Stiff

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