

*COASTAL VIRGINIA COMMUNITY RATING SYSTEM WORKGROUP*



*WORKING TOGETHER FOR A STRONGER VIRGINIA*

# CFM POLL

**Please fill out each poll to receive  
the full 1.5 (or more!) CECs**



# UPDATES/ANNOUNCEMENTS

## Workgroup Meeting Introductions

## Future Meeting Dates (James Room & Zoom)

### 2023

Wednesday, January 25, 10AM-Noon

Wednesday, March 29, 10AM-Noon

Wednesday, May 31, 10AM-Noon

Wednesday, July 26, 10AM-Noon

Wednesday, September 27, 10AM-Noon

Wednesday, November 29, 10AM-Noon



# UPDATES/ANNOUNCEMENTS

## Confirmed CFM CECs (expect 1.5 most meetings)

January 2022 – 2.5 credits

March 2022 – 1 credit

May 2022 – 1.5 credits

July 2022 - pending\*

September 2022 - pending\*

*\*ASFPM online portal is under construction*



# VA FLOODPLAIN MANAGEMENT ASSOCIATION



## **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



# ISO VIRGINIA REPRESENTATIVE

**Emily Schmidt**

ISO/CRS Specialist

[emily.schmidt@verisk.com](mailto:emily.schmidt@verisk.com)



Coastal VA CRS Workgroup  
November 30, 2022

# LOCALITY SUCCESSES & LESSONS LEARNED PRESENTATION

Greta Hawkins, CRS Coordinator -  
City of Hampton



# POLL





# ELEVATION CERTIFICATES UPDATE

Elevation certificates for non-residential structures were set to expire today, November 30th

Office of Management and Budget is still reviewing the new form & have instructed continued use of the old forms until the review process is complete.



# FEMA REQUEST FOR INFORMATION

[FEMA is requesting feedback](#) regarding Public Assistance Hazard Mitigation funding. FEMA is asking for comments on the following:

- How your community has used PA Mitigation funding in the past
- Challenges faced attempting to utilize PA Mitigation funds
- How FEMA can increase use of PA Mitigation funding in the future

[Fill out this form to provide feedback](#)

[Web resource](#): breaks down declared disasters by location



# BCA ALTERNATIVE FOR BRIC & FMA

FEMA created [an alternative Benefit-Cost Analysis \(BCA\)](#) for BRIC and FMA FY22 grants. FEMA anticipates this will lower the barrier to disadvantaged communities.

The standard project requirement for the analysis is  $BCA \leq 1.0$ . Under the alternative, if BCA is less than 1, the project has to meet **all three** conditions:

- BCA at the 7% discount rate is  $BCR \leq 0.75$ ;
- BCA generated at the 3% discount rate is  $BCR \leq 1.0$ ; and
- If the mitigation activity benefits disadvantaged communities, addresses climate change impacts, has hard to quantify benefits, and/or is subject to higher costs due to the use of low carbon building materials\*

\*[Details listed here](#)



# BCA ALTERNATIVE FOR BRIC & FMA

## III. Alternative Cost-Effectiveness Methodology

Under the alternative methodology, FEMA will consider the project cost effective if **all three** of the following conditions are met:

1. The BCA generated at the 7% discount rate must be equal to or greater than a BCR of 0.75.
2. The BCA generated at the 3% discount rate must be equal to or greater than a BCR of 1.0.
3. The mitigation activity meets **at least ONE** of the following criteria:
  - a. The project primarily benefits disadvantaged communities that are marginalized, overburdened, and underserved. To demonstrate this criterion, the project must meet ONE of the following conditions:
    - i. Primarily benefits an area at the census tract level with a score of greater than or equal to 0.6 on the Centers for Disease Control and Prevention's (CDC) Social Vulnerability Index (SVI);
    - ii. Primarily benefits a geographic area within a tribal jurisdiction or Insular Area as defined by 42 U.S.C. § 1469a; OR
    - iii. For BRIC only, primarily benefits an Economically Disadvantaged Rural Community (also known as a small impoverished community as defined in 42 U.S.C. § 5133(a)). Economically Disadvantaged Rural Community (EDRC) means a community of 3,000 or fewer individuals identified by the applicant that is economically disadvantaged, with residents having an average per capita annual income not exceeding 80 percent of the national per capita income, based on best available data.
  - b. The project addresses a significant impact caused by climate change, such as more intense storms, increases in extreme rainfall, extreme temperatures, drought, prolonged wildfires, extreme flooding, and changes in sea levels. The



# BCA ALTERNATIVE FOR BRIC & FMA

subapplication should describe how the project will enhance climate adaptation and resilience, detail how the project is being responsive to the effects of climate change (such as sea level rise) and/or other future conditions (population/demographic/land use, etc.), and cite data sources, assumptions, and models.

- c. The project is subject to substantially higher costs due to incorporation of low-carbon materials or compliance with the Federal Flood Risk Management Standard. The subapplication should include cost estimates and a narrative description to explain the increased costs.
- d. The project provides significant benefits that are difficult to quantify or cannot be monetized and are not captured in FEMA's BCA toolkit. The subapplication should provide a narrative description of the benefits.



# BCA ALTERNATIVE FOR BRIC & FMA

Popular Project Types	PUL Project Useful Life (Years)	Increase in Benefits by Using 3% Discounted Rate Instead of 7%
Acquisitions, relocations	100	121%
Major concrete infrastructure, dams, bridges, major drainage systems, pump stations, utility projects, mitigation reconstruction	50	86%
Residential elevations, stream restoration, safe rooms, culverts	30	58%
Generators	19	39%
Hurricane shutters	15	31%
Ignition-resistant construction	10	21%



# NEW WHITE HOUSE NATURE-BASED SOLUTIONS RESOURCE GUIDE

The Biden-Harris Administration released a [Nature-Based Solutions Resource Guide](#) as part of their [Nature-Based Solutions Roadmap](#) initiative. It includes:

- Federal Examples of Nature-Based Solutions (NBS)
- Documents outlining benefits of these practices
- Guidance resources highlighting design & execution of NBS
- Technical assistance resources that aim to help organizations in obtaining permits & funding for these practices



# CFPF ROUND 3 & ROUND 4 UPDATES

- Round 3 supplemental applications are due today, November 30th
  - Awards will be announced on a rolling basis until December 31st, 2022
- Round 4 grant manual has yet to be released
  - Grant round is anticipated to open late winter/early spring





# CFPF AWARDS RECAP

VA Community Flood Preparedness Fund: Award Cycles					
Grant Round	Announcement Date	Amount Released	Amount Requested	Amount Awarded	% Designated Low-Income
3	09/28/2022	Phase One: \$40M Phase Two: \$56.4M <i>Total for Round 3: \$70M</i>	\$93M <i>64 applications</i>	Phase One: \$13.6M <i>27 applications</i> Phase Two: TBA	74%
2	12/22/2021	\$17M	\$29.7M <i>37 applications</i>	\$24.5M* <i>30 applications</i>	73%
1	10/05/2021	\$18M	\$14.5M <i>32 applications</i>	\$7.8M <i>19 applications</i>	68%
Total		\$105M**	\$137M	\$45.9M	72%
<p>*DCR released funds that were left over from Grant Round One to fund additional applications in Grant Round Two.</p> <p>**The total amount released represents only a portion of the money available in the CFPF, which receives a 45% allocation from the quarterly Regional Greenhouse Gas Initiative auctions. Over \$100M remains unallocated.</p>					



# POLL



# L273 COURSE

Ken Somerset shared that a L273 course will be offered in January 2023



# WORKGROUP ATTENDEE REPORT OUT

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



# THANK YOU!

[mc.stiff@wetlandswatch.org](mailto:mc.stiff@wetlandswatch.org)

[madison.teeter@wetlandswatch.org](mailto:madison.teeter@wetlandswatch.org)



City of Hampton

# CRS Cycle Visit Lessons Learned

# CRS Cycle Verification Timeline

Hampton VA CRS Cycle Verification  
Kickoff

June 2021

August 30, 2021

Preliminary Results and Draft  
Verification Letter Received

June 2022

Remote Cycle Verification Visit

# Lessons Learned

- Consider Staffing and Other Obligations
- Get Assistance from Consultants
- Follow the CRS Coordinators Manual
- Keep Files Organized



# CRS Points per Activity Overview

- 1748 points total – Remain Class 7
  - Activity 310 – 38 points
  - Activity 320 – 90 points
  - Activity 330 – 200 points
  - Activity 350 – 65 points
  - Activity 420 – 421 points
  - Activity 430 – 394 points
  - Activity 440 – 189 points
  - Activity 450 – 51 points
  - Activity 510 – 300 points

# 310 – Construction Certificate Management

- 38 points
  - Written Construction Certificate Management Procedures
    - For all new and substantially improved/substantially damaged buildings

U.S. DEPARTMENT OF HOMELAND SECURITY  
Federal Emergency Management Agency  
National Flood Insurance Program

**ELEVATION CERTIFICATE**

OMB No. 1660-0008  
Expires March 31, 2012

Important: Read the instructions on pages 1-9.

**SECTION A - PROPERTY INFORMATION**

A1. Building Owner's Name \_\_\_\_\_ For Insurance Company Use:  
Policy Number \_\_\_\_\_

A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. \_\_\_\_\_  
Company NAIC Number \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ ZIP Code \_\_\_\_\_

A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) \_\_\_\_\_

A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) \_\_\_\_\_

A5. Latitude/Longitude: Lat. \_\_\_\_\_ Long. \_\_\_\_\_ Horizontal Datum:  NAD 1927  NAD 1983

A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insurance.

A7. Building Diagram Number \_\_\_\_\_

A8. For a building with a crawlspace or enclosure(s): \_\_\_\_\_ sq ft  
a) Square footage of crawlspace or enclosure(s)  
b) No. of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade \_\_\_\_\_ sq in  
c) Total net area of flood openings in A8.b  
d) Engineered flood openings?  Yes  No

A9. For a building with an attached garage: \_\_\_\_\_ sq ft  
a) Square footage of attached garage  
b) No. of permanent flood openings in the attached garage within 1.0 foot above adjacent grade \_\_\_\_\_ sq in  
c) Total net area of flood openings in A9.b  
d) Engineered flood openings?  Yes  No

**SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION**

B1. NFIP Community Name & Community Number \_\_\_\_\_ B2. County Name \_\_\_\_\_ B3. State \_\_\_\_\_

B4. Map/Panel Number \_\_\_\_\_ B5. Suffix \_\_\_\_\_ B6. FIRM Index Date \_\_\_\_\_ B7. FIRM Panel Effective/Revised Date \_\_\_\_\_ B8. Flood Zone(s) \_\_\_\_\_ B9. Base Flood Elevation(s) (Zone AC, use base flood depth) \_\_\_\_\_

B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9.  
 FIS Profile  FIRM Community Determined  Other (Describe) \_\_\_\_\_

B11. Indicate elevation datum used for BFE in Item B9:  NGVD 1929  NAVD 1988  Other (Describe) \_\_\_\_\_

B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)?  Yes  No  
Designation Date \_\_\_\_\_  CBRS  OPA

**SECTION C - BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)**

C1. Building elevations are based on:  Construction Drawings\*  Building Under Construction\*  Finished Construction  
\*A new Elevation Certificate will be required when construction of the building is complete.

C2. Elevations – Zones A1-A30, AE, AH, A (with BFE), VE, V1-V30, V (with BFE), AR, AR/A, AR/AE, AR/A1-A30, AR/AH, AR/AO. Complete items C2.a-h below according to the building diagram specified in Item A7. Use the same datum as the BFE.  
Benchmark Utilized \_\_\_\_\_ Vertical Datum \_\_\_\_\_

Conversion/Comments \_\_\_\_\_

Check the measurement used.

a) Top of bottom floor (including basement, crawlspace, or enclosure floor) \_\_\_\_\_ feet  meters (Puerto Rico only)  
b) Top of the next higher floor \_\_\_\_\_ feet  meters (Puerto Rico only)  
c) Bottom of the lowest horizontal structural member (V Zones only) \_\_\_\_\_ feet  meters (Puerto Rico only)  
d) Attached garage (top of slab) \_\_\_\_\_ feet  meters (Puerto Rico only)  
e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments) \_\_\_\_\_ feet  meters (Puerto Rico only)  
f) Lowest adjacent (finished) grade next to building (LAG) \_\_\_\_\_ feet  meters (Puerto Rico only)  
g) Highest adjacent (finished) grade next to building (HAG) \_\_\_\_\_ feet  meters (Puerto Rico only)  
h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support \_\_\_\_\_ feet  meters (Puerto Rico only)

**SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION**

This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by law to certify elevation information. I certify that the information on this Certificate represents my best efforts to interpret the data available.  
I understand that any false statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001.

Check here if comments are provided on back of form. Were latitude and longitude in Section A provided by a licensed land surveyor?  Yes  No

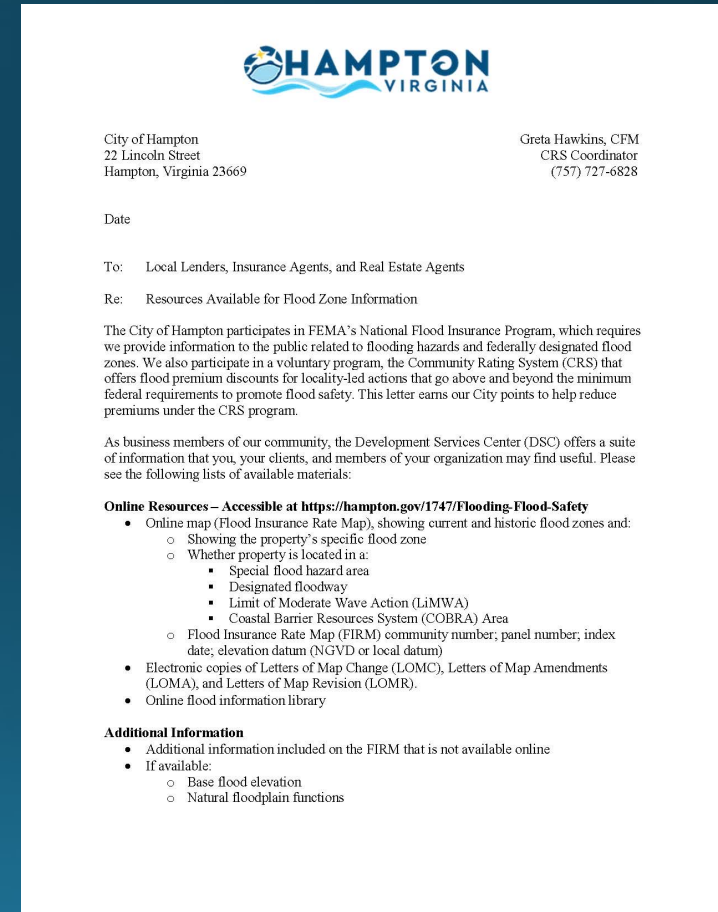
Certifier's Name \_\_\_\_\_ License Number \_\_\_\_\_  
Title \_\_\_\_\_ Company Name \_\_\_\_\_  
Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ ZIP Code \_\_\_\_\_  
Signature \_\_\_\_\_ Date \_\_\_\_\_ Telephone \_\_\_\_\_

PLACE SEAL HERE

FEMA Form 81-31, Mar 09 See reverse side for continuation. Replaces all previous editions

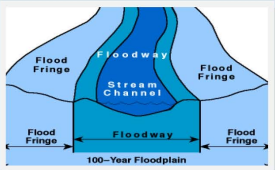
# 320 – Map Information Service

- 90 Points
  - Provide basic flood zone information from latest FIRM to inquirers
  - Offer additional FIRM information, historical flood information, natural floodplain functions
  - Service is publicized annually
  - Records maintained



# 330 – Outreach Projects

- 200 Points
  - Information Outreach Projects
  - General Outreach Projects
  - Targeted Outreach Projects



## Floodplain Permits

Hampton requires that all proposed development in the 100-year floodplain, not just buildings, be reviewed and permitted in compliance with the Floodplain Zone District Ordinance. The ordinance outlines mandatory design guidelines for protecting structures from flood damage, including elevation of new residential structures to **three feet (3)** above the 100-year flood elevation, elevation of new residential structures in the 500-year floodplain **one and a half (1.5) feet** above the highest adjacent grade, and the prohibition of new basements in the 100-year floodplain.

The Community Development Department administers the ordinance through the issuance of permits, inspection of construction, and collection of FEMA Elevation Certificates to show the final elevation of new and substantially improved construction.

Contact the Community Development Department to find out the requirements for floodplain construction before you build, fill, or develop flood-prone land.



## Substantial Damage and Substantial Improvement

Hampton's floodplain management regulations specify that all new buildings to be constructed in the 100-year floodplain are required to have their lowest floors elevated to at least three feet above the 100-year flood elevation. The regulations also specify that **substantial improvement** of existing buildings or buildings that have sustained **substantial damage** may have to be brought into compliance with the requirements for new construction. Please note that a building may be substantially damaged by any cause, including fire, flood, high wind, seismic activity, land movement, or neglect. It is important to note that all costs to repair a substantially damaged building to its pre-damage condition must be identified, including donated supplies and labor.

In the aftermath of a storm that damages your structure, contact the City's 311 Customer Call Center and request that an inspector visit your site. Permits are likely required.

## HAMPTON'S FLOODPLAINS



## What Every Homeowner Should Know

- **Determine Your Flood Zone**
- **Buy Federal Flood Insurance**
- **Obtain a Building Permit for a Project in the Floodplain**
- **Protect Your Home from Flood Damage**



# FILL UP ON FLOOD FACTS

Think you know your risks?  
Think you're covered for flooding?  
Be sure you know...

## THE FACTS

### /// ANYWHERE IT CAN RAIN, IT CAN FLOOD.

It's true; rain causes flooding in Hampton Roads. Over the past 70 years, heavy rainfall events have become more intense and frequent in our area and will only continue to increase.

### /// ONE INCH OF FLOODING CAN COST MORE THAN \$25,000.

One inch of water inside the home could cause over \$23,000 in damages and more than \$3,000 personal property costs on average.

### /// HOME OWNERS AND RENTERS INSURANCE POLICIES DO NOT COVER FLOOD DAMAGE.

Damage resulting from flooding must typically be insured by a separate policy.

For more information about the flood hazard for your property, visit:

[GetFloodFluent.org/What-Flood-Risk](http://GetFloodFluent.org/What-Flood-Risk)

## TO FIND OUT HOW TO GET COVERAGE:


Contact your insurance agent or the FEMA Mapping and Insurance eXchange (FMIX) at 877-336-2627.

There is typically a 30-day waiting period. **TIME TO ACT!**

# 350 – Flood Protection Information

- 65 Points
  - Floodplain management documents available in reference section of Library System
  - Floodplain information displayed on website

Details for Report to City Council



**Report to City Council**  
**Author:** Back River Flooding and Shoaling Citizens Committee.  
**Corporate Author:** Back River Flooding and Shoaling Citizens Committee.  
**Publication Information:** Hampton, Va ; Back River Flooding and Shoaling Citizens Committee, 2007.  
**Physical Description:** 1 v. (various pagings) : ill., maps ; 28 cm.  
**General Note:** Spiral bound.  
"August 3, 2007"--cover.  
**Subject Term:** Floods -- Virginia -- Hampton.  
Flood control -- Virginia -- Hampton.  
Flood damage prevention -- Virginia -- Hampton.  
Citizens' associations -- Virginia -- Hampton.  
**Geographic Term:** Hampton (Va.) -- Environmental conditions.

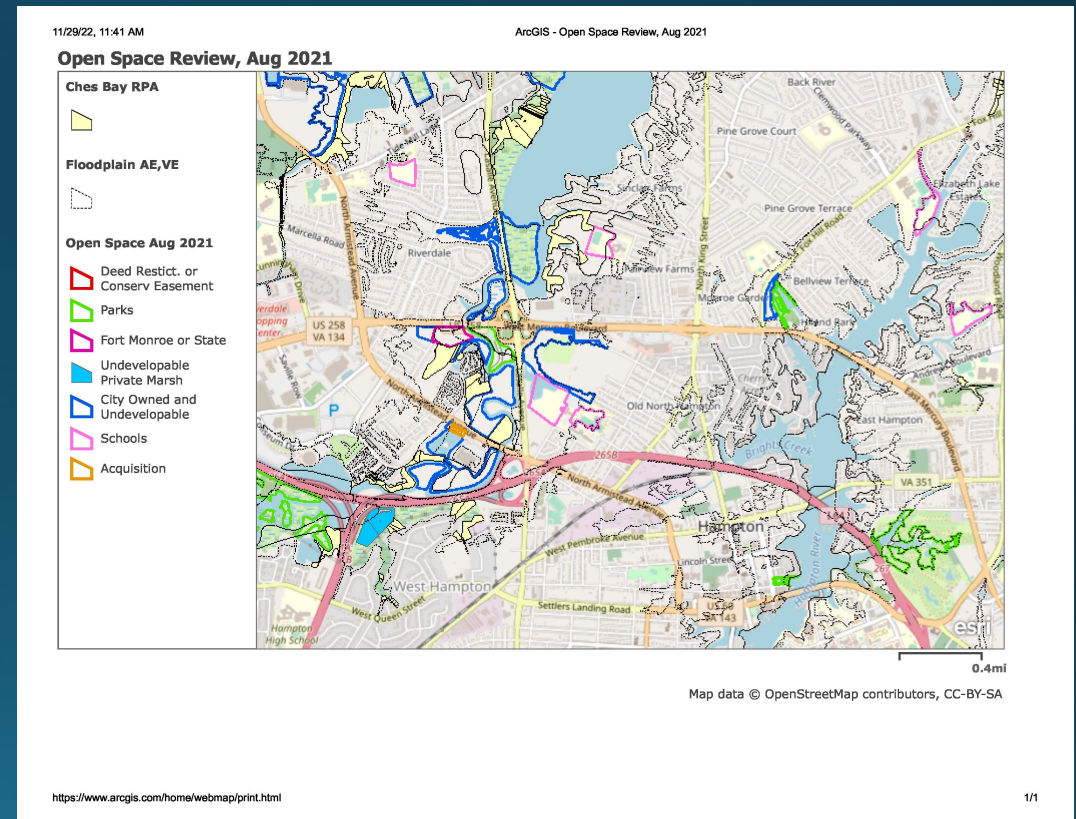
Select an Action  
Place Hold  
Text This To Me

Available: 3

Library	Location	Material Type	Item Barcode	Shelf Number	Status
Main Library	Local Govt. Coll.	Non-circulating	33245006677407	363.3493 B128f	Checked In
Northampton	Local Govt. Coll.	Non-circulating	33245006677449	363.3493 B128f	Checked In
Phoebus	Local Govt. Coll.	Non-circulating	33245006677514	363.3493 B128f	Checked In

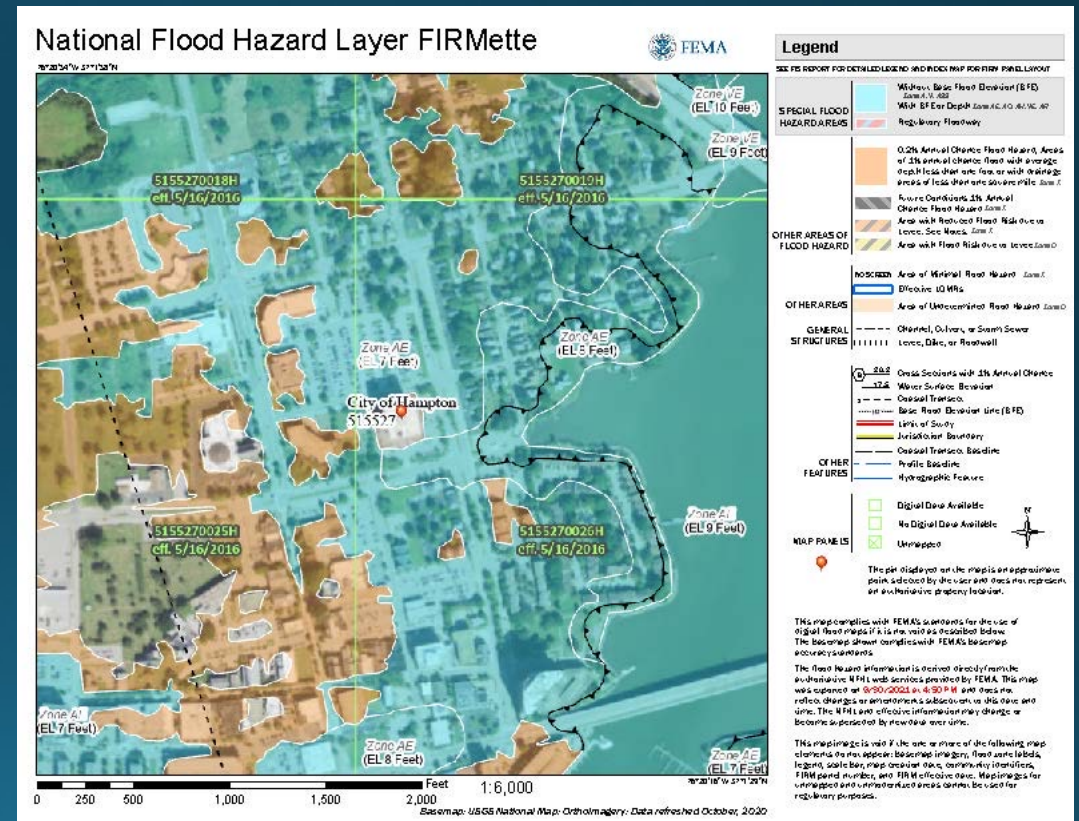
# 420 – Open Space Preservation

- 421 Points
  - Preserve approximately 27% of the SFHA as open space
  - Protect open space land with deed restrictions
  - Preserve open space land in natural state



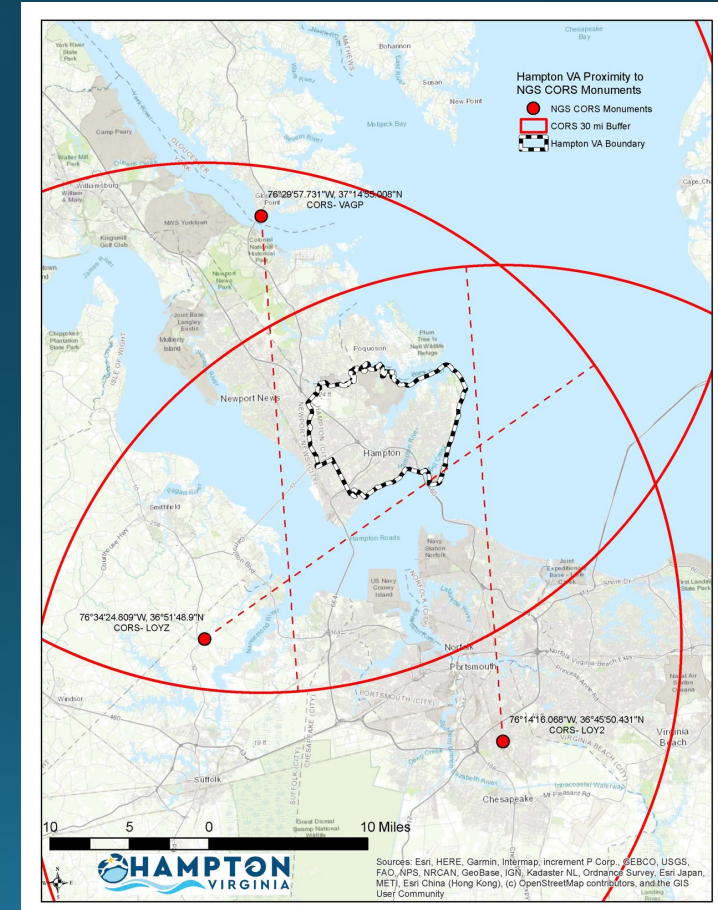
# 430 – Higher Regulatory Standards

- 394 Points
  - Enforcing regulations that require:
    - Freeboard for new construction and substantial improvement
    - Cumulative substantial improvement
    - Local drainage protection
  - Enforcement of building codes
  - BCEGS Classification
  - Regulations administration



# 440 – Flood Data Maintenance

- 189 Points
  - Maintaining and using additional map data in day-to-day management of floodplain
  - Establishing and maintaining system of benchmarks
  - Maintaining copies of all previous FIRMs and FIS reports

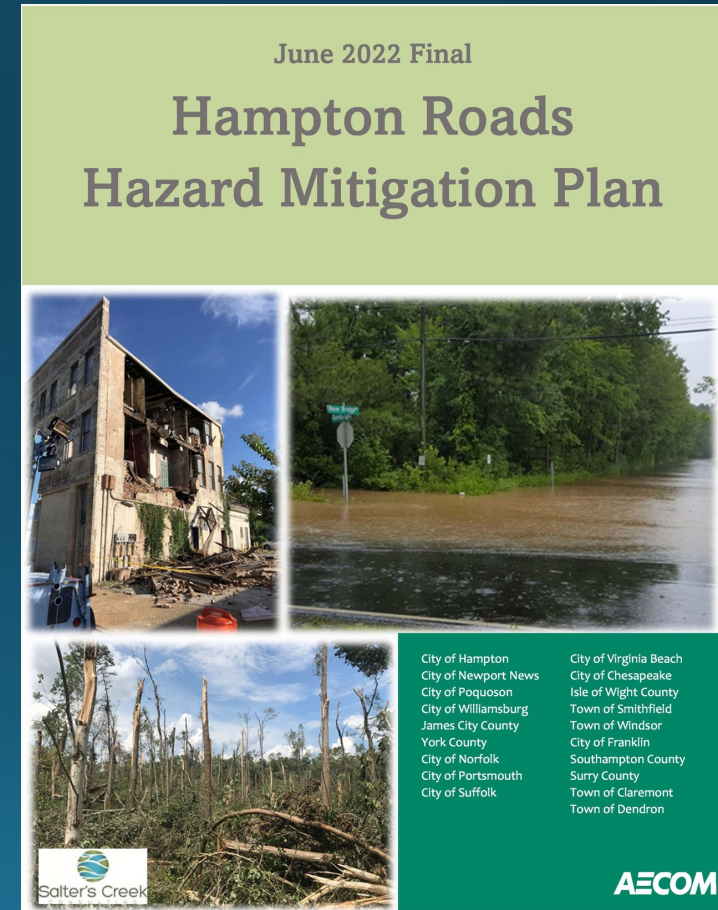






# 510 – Floodplain Management Planning

- 300 Points
  - 2017 Hampton Roads Hazard Mitigation Plan, adopted February 22, 2017
  - Requires annual submittal of progress report



# To get to Class 6

- Need another 252 points
- Activity 330
  - FRP – up to 50 points for developing a pre-flood plan for public information projects that will be implemented during and after a flood
- Activity 350
  - WEB3 – up to 20 points for posting Elevation Certificates or data from EC's on website
- Activity 420
  - OSI – up to 250 points for local requirements and incentives that keep flood-prone portions of new development open
  - NSP – up to 120 points for programs that protect natural channels and shorelines
- Activity 450
  - SMR – up to 380 points for regulating development to ensure that the peak flow of stormwater runoff from each site will not exceed the pre-development runoff

# Potential New Activities

- Activity 360 – Flood Protection Assistance
  - Up to 75 points
  - Property Protection Advice
  - Protection advice provided after a site visit
  - Financial Assistance Advice
  - Advisor Training
- Activity 520 – Acquisition and Relocation
  - Max Credit – 2250 points
- Activity 530 – Flood Protection
  - Max credit – 1600 points
- Activity 540 – Drainage System Maintenance
  - Max credit – 470 points

# Questions

Greta Hawkins

Senior Civil Engineer – CRS Coordinator

Hampton Public Works

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