



September 3, 2021

Virginia Department of Conservation and Recreation
Attention: Virginia Community Flood Preparedness Fund
Division of Dam Safety and Floodplain Management
600 East Main Street, 24th Floor
Richmond, Virginia 23219

To whom it may concern:

On behalf of the City of Hampton, I authorize the request for funding for three grant proposal submissions to the Virginia Community Flood Preparedness Fund: Honor Park Resilience Project; Mill Point Living Shoreline; and Downtown Hampton, Phoebus, and Buckroe Beach Water Plan.

If awarded, and subject to execution of a grant agreement, the City of Hampton pledges its commitment to provide funding to meet the match requirement established by the 2021 Grant Manual for the fund. City funds have been budgeted and appropriated for Fiscal Year 2022 ending June 30, 2022. As the City's grant application provides, such matching fund will be provided for each project in the following amounts:

- **Honor Park Resilience Project:** The City of Hampton will provide \$36,998.60, a 20% match based on the project total cost of \$184,993.00.
- **Mill Point Living Shoreline:** The City of Hampton will provide \$31,700, a 20% match based on the project total cost of \$158,500.
- **Downtown Hampton, Phoebus and Buckroe Beach Water Plan:** The City of Hampton has already allocated funding for this plan in the amount of \$89,500, which is approximately a 36.7% match based on the total project cost of \$244,125.

We appreciate this opportunity to seek funding in support of our ongoing efforts to increase Hampton's resilience and preparedness for flooding impacts.

Sincerely,

A handwritten signature in black ink, appearing to read "Mary B Bunting", written in a cursive style.

Mary B Bunting
City Manager, City of Hampton

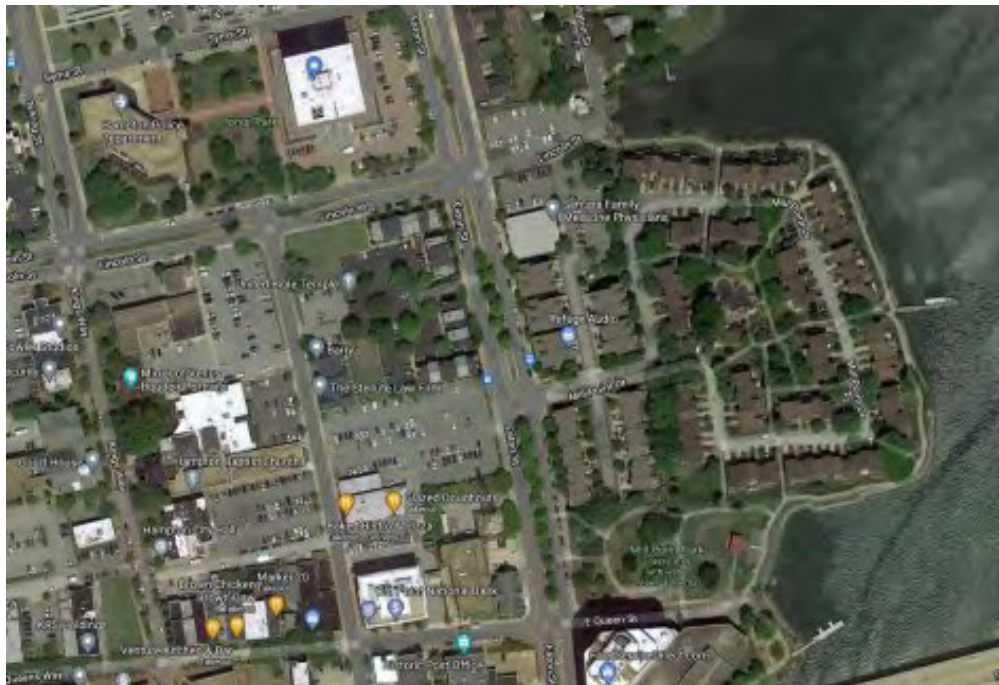
Mill Point Living Shoreline

The Mill Point Living Shoreline (MPLS) will consist of the transformation an existing 2,100 linear foot portion of armored shoreline. The site is located along the western shore of the Hampton River from Lincoln Street to Mill Point Park. The property is owned by the City of Hampton. The MPLS will be designed in accordance with the **City of Hampton Resilience Plan** to holistically demonstrate Hampton’s resilience strategies of managing water, utilizing nature based solutions.

The project has been conceptually designed. The total project costs are estimated at \$2,000,000 for the design and construction of this project. This proposal will advance the design from Conceptual thru 50% Preliminary Engineering Design which will include geotechnical testing to verify the project viability prior to committing to full project implementation. This proposal is requesting \$158,500.00 for the Preliminary Engineering of the project thru 50%.

Project Data

This project is located at 196 Mill Point Drive in Hampton, VA, population 131,686 (2025 projection Weldon Cooper Center.) The site is located in Census Tract 106.01 which is identified as low income opportunity zone and has a Social Vulnerability Index Score of 1.3 the project site is currently located in Flood zone AE and is located in an area the Area of Limit of Moderate Wave Action, LMWA. Flooding of adjacent structures has occurred in the past. The living shoreline will help absorb wave energy and reduce damage due to wave action .There are no Repetitive Loss or Severe repetitive Loss properties in the project area. The adjacent structures are City Hall and The City Public Safety building. There are no Critical facilities adjacent to the project.



Project Site – 196 Mill Point Drive, Hampton VA



Existing Site

The total project construction costs will be \$2,000,000. Annual Maintenance costs are estimated at \$3,171. This project will provide water quality benefits and is eligible costs for The Stormwater Utility Fee. Construction and Maintenance will be paid with proceeds from the Stormwater Utility fee.

The City of Hampton’s Floodplain Ordinance can be found at https://library.municode.com/va/hampton/codes/zoning?nodeId=CH9OVDI_ARTIVDILOZOOV

The Regional Hazard Mitigation Plan is located on the Hampton Roads Planning Commission website at the following link. The Plan is currently in the process of the regularly scheduled update.

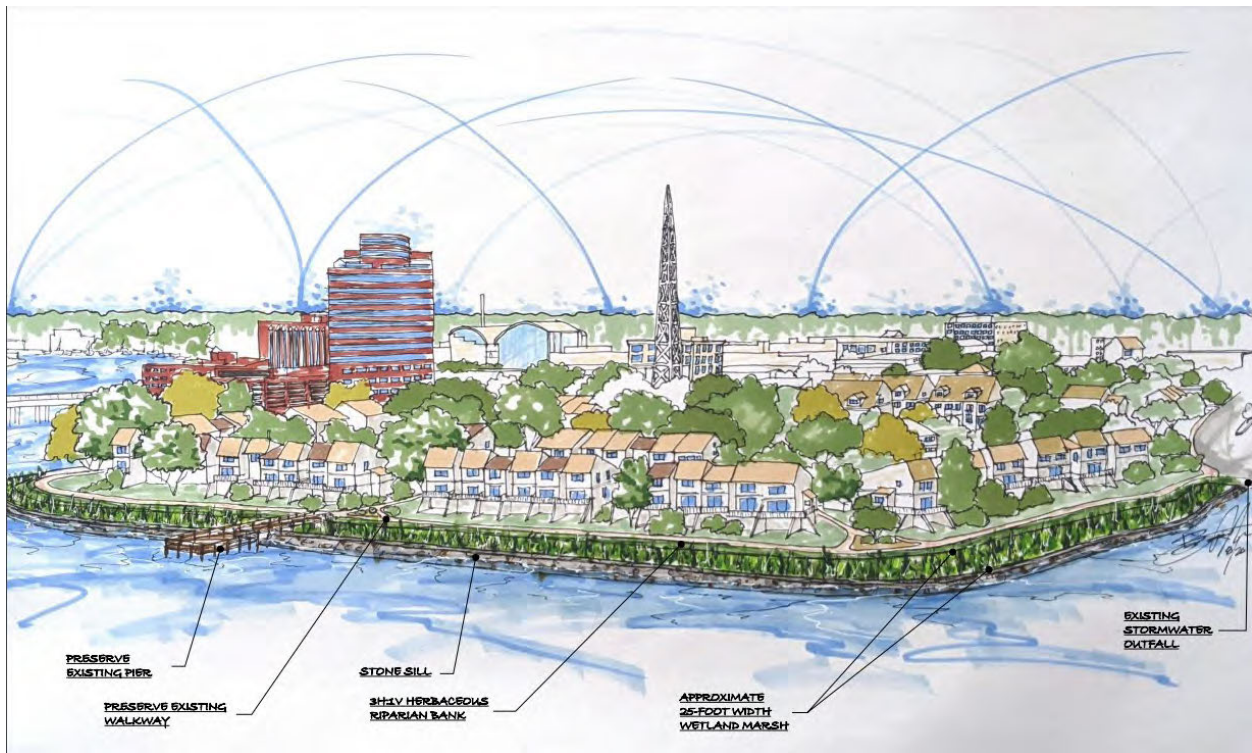
<https://www.hrpdcva.gov/library/view/620/2017-hampton-roads-hazard-mitigation-plan-and-appendices/>

The Current Hampton Community Plan (Comprehensive Plan) can be found at <chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/viewer.html?pdfurl=https%3A%2F%2Fhampton.gov%2FDocumentCenter%2FView%2F535%2F2011-community-plan-update%3FbidId%3D&clen=8574837>

Project Description

Mill Point Living Shoreline phase which will create approximately 2,100 feet of living shoreline along the Hampton River. This eco-services project will add riparian and ecosystem enhancements to the Hampton River while providing water quality benefits to the Hampton River, James River and Chesapeake Bay. This project will also demonstrate an alternate to armoring shorelines to protect against erosion due to wave action. The existing shoreline armoring will be utilized to create a sill off the shoreline. The sill will serve two purposes; the first is it will absorb and “trip” waves dissipating the erosive force of tidal waves. Secondly, the sill serves as a barrier to contain the sand backfill that will be

utilized as a planting medium for the wetland plantings. The wetlands provide additional energy absorbing function plus and ecological function of nutrient uptake, filters, and a new habitat. In addition to the rock sill, an oyster reef will be placed in front of the sill as the oysters establish their shells which will add to the energy dissipating effect of the sill. This will grow on the sill to help the sill rise with rising seas levels and provide an efficient filtering capacity to the Hampton River. This holistic system will be adding storage, reducing runoff, treating runoff, and providing community amenities while demonstrating living with water is an essential resilience strategy in coastal Virginia.



Proposed Mill Point Living Shoreline

Other alternatives considered include purchasing nutrient Credits.

Goals and Objectives

Water quality and shoreline protection are goals of the Mill Point Living Shoreline Project. The water quality goals will be critical to the City meeting it's 40% reduction goals for the James River Watershed, for the Chesapeake Bay TMDL. This is a regulatory requirement of our DEQ MS-4 permit.

Water Quality: The nutrient reductions anticipated from the wetlands, pervious pavers and bio retention are:

Total Phosphorous – 34.4 (lbs/yr)

Total Nitrogen – 123.3 (lbs/yr)

Total Suspended Solids- 54,629.8 (lbs/yr)

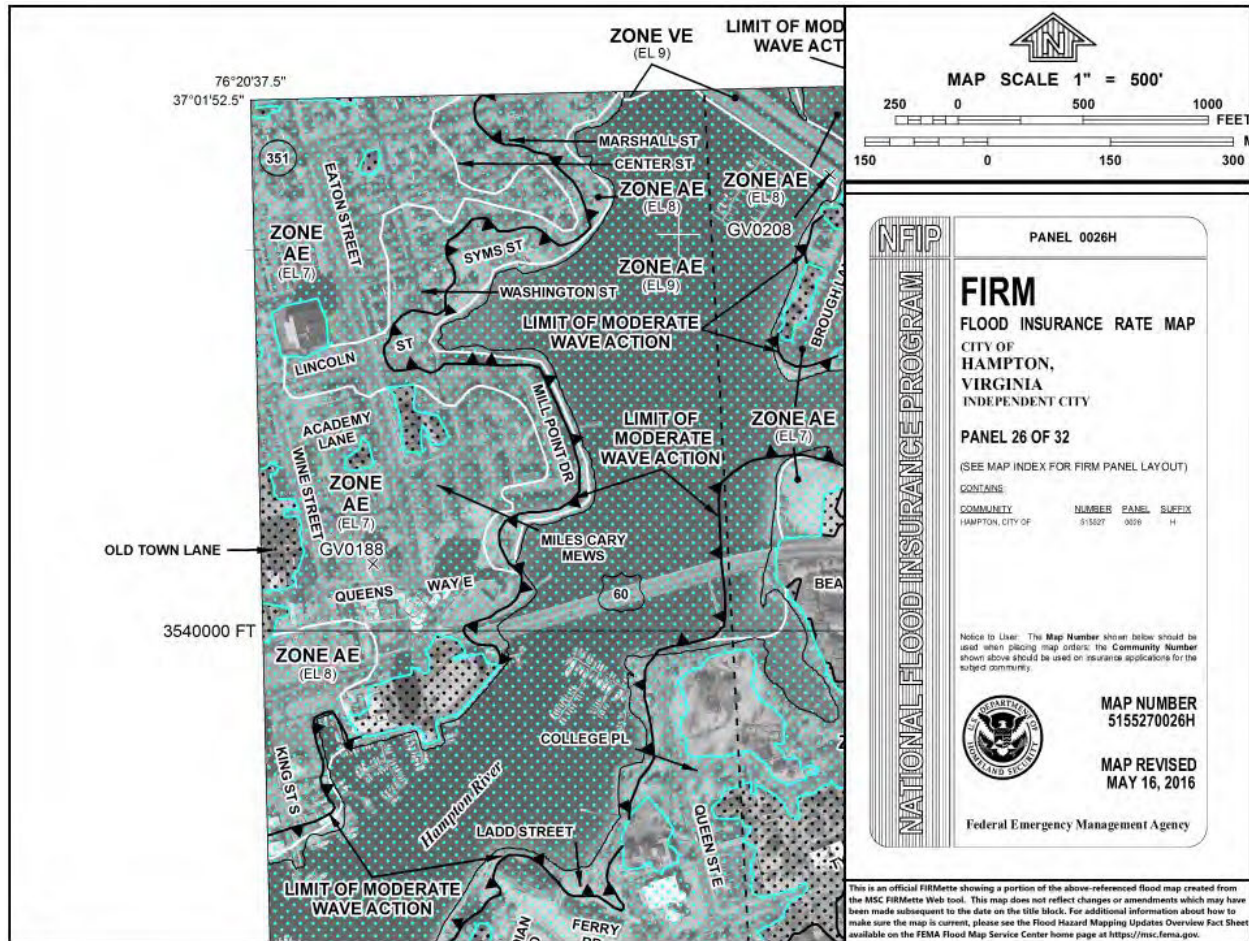
The total project construction costs will be \$2,000,000. Annual Maintenance costs are estimated at \$9,538.

Maintenance costs for the project based on a fifty-year project life. The total Maintenance costs for the 50 year life of the project life of will be \$152,208. Maintenance will be the responsibility of the Hampton Public Works Department. It is anticipated that regular maintenance of the living shoreline will require yearly inspection, replacement of diseased or dead plant material, removal of litter and floatables. These costs have been factored into the Annual maintenance costs and amortized over the 50 year project life.

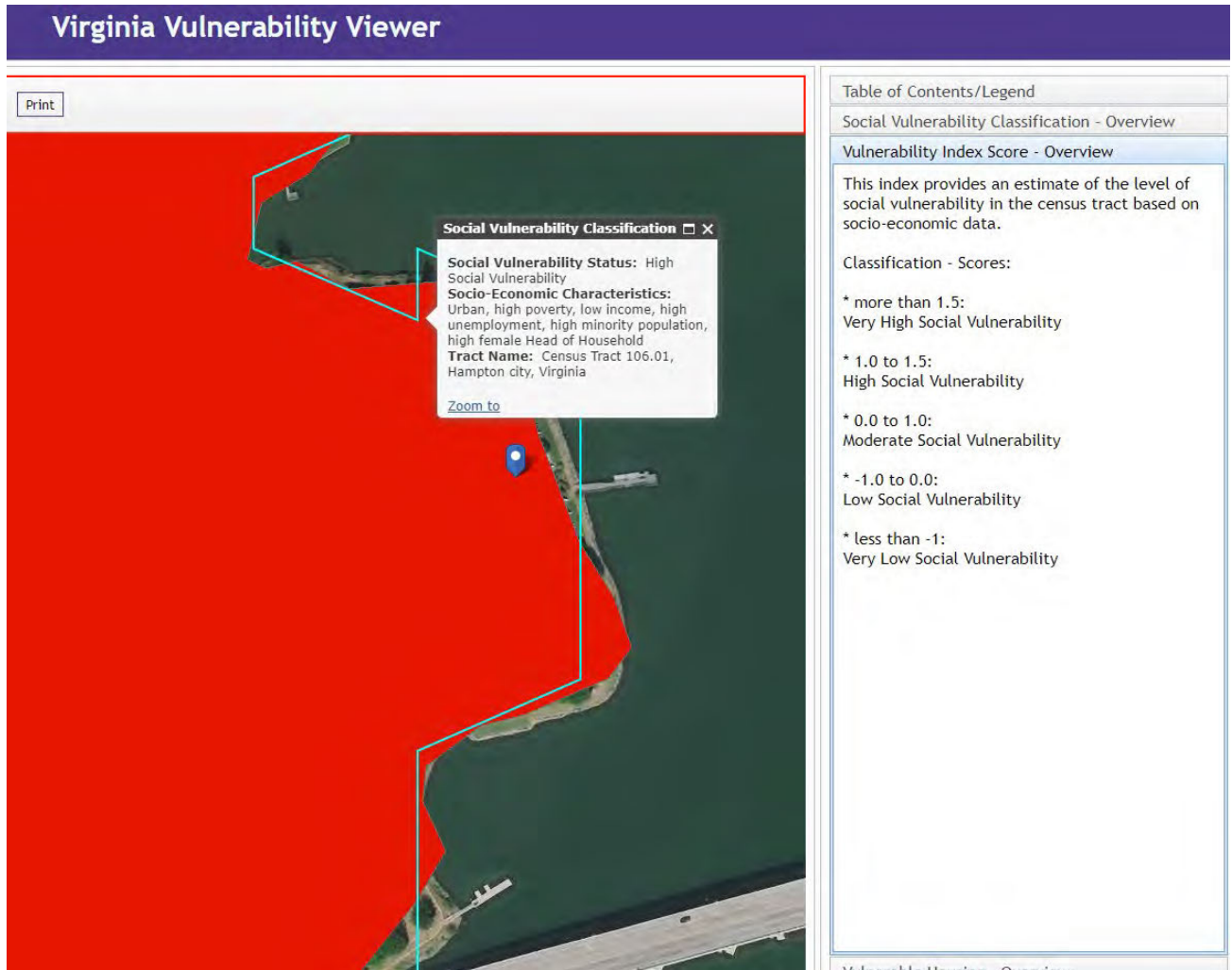
Project Benefits were calculated annually and projected over the project's life. The total benefits of this project are \$5,092,296:

Environmental Services	\$ 556,500
Water Quality	\$ 5,534
Water Quality Nutrient Credit	\$ 602,000
Climate Reduced CO2	\$ 1,262
Recreational	\$3,885,000
<u>Aesthetic Quality</u>	<u>\$ 42,000</u>
Total	\$5,092,296

Appendix A - FIRMettes



Appendix B – Social Vulnerability Index



Appendix A: Application Form for Grant Requests for All Categories

Virginia Department of Conservation and Recreation
Virginia Community Flood Preparedness Fund Grant Program

Name of Local Government:

City of Hampton

Category of Grant Being Applied for (check one):

Capacity Building/Planning

Project

Study

NFIP/DCR Community Identification Number (CID) 515527

If a state or federally recognized Indian tribe, Name of tribe _____

Name of Authorized Official: Brian DeProfio, Assistant City Manager

Signature of Authorized Official: 

Mailing Address (1): 22 Lincoln Street

Mailing Address (2): _____

City: Hampton State: Virginia Zip: 23669

Telephone Number: (_____) _____ Cell Phone Number: (_____) _____

Email Address: _____

Contact Person (If different from authorized official): Scott A. Smith, PE, LS

Mailing Address (1): Lincoln Street

Mailing Address (2): _____

City: Hampton

State: Virginia

Zip: 23669

Telephone Number: [REDACTED]

Cell Phone Number: [REDACTED]

Email Address: [REDACTED]

Is the proposal in this application intended to benefit a low-income geographic area as defined in the Part 1 Definitions? Yes No

Categories (select applicable project):

Project Grants (Check All that Apply)

- Acquisition of property (or interests therein) and/or structures for purposes of allowing floodwater inundation, strategic retreat of existing land uses from areas vulnerable to flooding; the conservation or enhancement of natural flood resilience resources; or acquisition of structures, provided the acquired property will be protected in perpetuity from further development.
- Wetland restoration.
- Floodplain restoration.
- Construction of swales and settling ponds.
- Living shorelines and vegetated buffers.
- Structural floodwalls, levees, berms, flood gates, structural conveyances.
- Storm water system upgrades.
- Medium and large scale Low Impact Development (LID) in urban areas.
- Permanent conservation of undeveloped lands identified as having flood resilience value by *ConserveVirginia* Floodplain and Flooding Resilience layer or a similar data driven analytic tool.
- Dam restoration or removal.
- Stream bank restoration or stabilization.
- Restoration of floodplains to natural and beneficial function.
- Developing flood warning and response systems, which may include gauge installation, to notify residents of potential emergency flooding events.

Study Grants (Check All that Apply)

- Studies to aid in updating floodplain ordinances to maintain compliance with the NFIP or to incorporate higher standards that may reduce the risk of flood damage. This must include establishing processes for implementing the ordinance, including but not limited to, permitting, record retention, violations, and variances. This may include revising a floodplain ordinance when the community is getting new Flood Insurance Rate Maps (FIRMs), updating a floodplain ordinance to include floodplain setbacks or freeboard, or correcting issues identified in a Corrective Action Plan.
- Revising other land use ordinances to incorporate flood protection and mitigation goals, standards and practices.
- Conducting hydrologic and hydraulic studies of floodplains. Applicants who create new maps must apply for a Letter of Map Revision or a Physical Map Revision through the Federal Emergency Management Agency (FEMA). For example, a local government might conduct a hydrologic and hydraulic study for an area that had not been studied because the watershed is less than one square mile. Modeling the floodplain in an area that has numerous letters of map change that suggest the current map might not be fully accurate or doing a detailed flood study for an A Zone is another example.
- Studies and Data Collection of Statewide and Regional Significance.
- Revisions to existing resilience plans and modifications to existing comprehensive and hazard.
- Other relevant flood prevention and protection project or study.

Capacity Building and Planning Grants

- Floodplain Staff Capacity.
- Resilience Plan Development
 - Revisions to existing resilience plans and modifications to existing comprehensive and hazard mitigation plans.
 - Resource assessments, planning, strategies and development.
 - Policy management and/or development.
 - Stakeholder engagement and strategies.

Location of Project (Include Maps): 196 Mill Pond Drive, Hampton, VA 23669

NFIP Community Identification Number (CID#):(See appendix

F 515527

Is Project Located in an NFIP Participating Community? Yes No

Is Project Located in a Special Flood Hazard Area? Yes No

Flood Zone(s) (If Applicable): AE with LiMWA

Flood Insurance Rate Map Number(s) (If Applicable): 5155270026

Total Cost of Project: \$2,000,000 - Design and Construction

Total Amount Requested \$158,122.50 - 50% Design

Appendix B: Scoring Criteria for Flood Prevention and Protection Projects

Virginia Department of Conservation and Recreation
Virginia Community Flood Preparedness Fund Grant Program

Applicant Name:		City of Hampton	
Eligibility Information			
Criterion	Description	Check One	
1. Is the applicant a local government (including counties, cities, towns, municipal corporations, authorities, districts, commissions, or political subdivisions created by the General Assembly or pursuant to the Constitution or laws of the Commonwealth, or any combination of these)?			
Yes	Eligible for consideration	x	
No	Not eligible for consideration		
2. Does the local government have an approved resilience plan and has provided a copy or link to the plan with this application?			
Yes	Eligible for consideration under all categories	x	
No	Eligible for consideration for studies, capacity building, and planning only		
3. If the applicant is <u>not a town, city, or county</u> , are letters of support from all affected local governments included in this application?			
Yes	Eligible for consideration		
No	Not eligible for consideration		
4. Has this or any portion of this project been included in any application or program previously funded by the Department?			
Yes	Not eligible for consideration		
No	Eligible for consideration	x	
5. Has the applicant provided evidence of an ability to provide the required matching funds?			
Yes	Eligible for consideration	x	
No	Not eligible for consideration		
N/A	Match not required		

Project Eligible for Consideration		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Applicant Name:	City of Hampton		
Scoring Information			
Criterion	Point Value	Points Awarded	
6. Eligible Projects (Select all that apply)			
Projects may have components of both 1.a. and 1.b. below; however, only one category may be chosen. The category chosen must be the primary project in the application.			
1.a. Acquisition of property consistent with an overall comprehensive local or regional plan for purposes of allowing inundation, retreat, or acquisition of structures.	50		
<input type="checkbox"/> Wetland restoration, floodplain restoration <input checked="" type="checkbox"/> Living shorelines and vegetated <input type="checkbox"/> Permanent conservation of undeveloped lands identified as having flood resilience value by <i>ConserveVirginia</i> Floodplain and Flooding Resilience layer or a similar data driven analytic tool <input type="checkbox"/> Dam removal <input type="checkbox"/> Stream bank restoration or stabilization. <input type="checkbox"/> Restoration of floodplains to natural and beneficial function. <input type="checkbox"/> Developing flood warning and response systems, which may include gauge installation, to notify residents of potential emergency flooding events.	45	45	
1.b. any other nature-based approach	40		
All hybrid approaches whose end result is a nature-based solution	35		
All other projects	25		
7. Is the project area socially vulnerable? (Based on ADAPT VA's Social Vulnerability Index Score.)			
Very High Social Vulnerability (More than 1.5)	15		
High Social Vulnerability (1.0 to 1.5)	12	12	
Moderate Social Vulnerability (0.0 to 1.0)	8		
Low Social Vulnerability (-1.0 to 0.0)	0		
Very Low Social Vulnerability (Less than -1.0)	0		
8. Is the proposed project part of an effort to join or remedy the community's probation or suspension from the NFIP?			

Yes	10	
No	0	0
9. Is the proposed project in a low-income geographic area as defined in this manual?		
Yes	10	10
No	0	
10. Projects eligible for funding may also reduce nutrient and sediment pollution to local waters and the Chesapeake Bay and assist the Commonwealth in achieving local and/or Chesapeake Bay TMDLs. Does the proposed project include implementation of one or more best management practices with a nitrogen, phosphorus, or sediment reduction efficiency established by the Virginia Department of Environmental Quality or the Chesapeake Bay Program Partnership in support of the Chesapeake Bay TMDL Phase III Watershed Implementation Plan?		
Yes	5	5
No	0	
11. Does this project provide "community scale" benefits?		
Yes	20	20
No	0	
Total Points		92

Appendix D: Checklist All Categories

Virginia Department of Conservation and Recreation

Community Flood Preparedness Fund Grant Program

Scope of Work Narrative	
Supporting Documentation	Included
Detailed map of the project area(s) (Projects/Studies)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
FIRMette of the project area(s) (Projects/Studies)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Historic flood damage data and/or images (Projects/Studies)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
A link to or a copy of the current floodplain ordinance	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Non-Fund financed maintenance and management plan for project extending a minimum of 5 years from project close	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
A link to or a copy of the current hazard mitigation plan	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
A link to or a copy of the current comprehensive plan	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Social vulnerability index score(s) for the project area from ADAPT VA's Virginia Vulnerability Viewer	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
If applicant is not a town, city, or county, letters of support from affected communities	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Completed Scoring Criteria Sheet in Appendix B, C, or D	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Budget Narrative	
Supporting Documentation	Included
Authorization to request funding from the Fund from governing body or chief executive of the local government	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Signed pledge agreement from each contributing organization	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A



CFPF, rr <cfpf@dcr.virginia.gov>

City of Hampton (CID# 515527) - Applications to Community Flood Preparedness Fund

2 me age

Heaps, Carolyn <[REDACTED]>

Fri, Sep 3, 2021 at 3:26 PM

To: "cfpf@dcr.virginia.gov" <cfpf@dcr.virginia.gov>

Cc: "O'Neill, Terry" <[REDACTED]>, "Mitchell, Ja on L" <[REDACTED]>, "Smith, Scott" <[REDACTED]>, "Bry on, Ja mine"

<[REDACTED]>, "Lewis, Brian" <[REDACTED]>

Good afternoon,

The City of Hampton is pleased to submit three applications to the Virginia Community Flood Preparedness Fund. Please find attached PDF files corresponding to the following application materials.

- **Honor Park Resilience Project** – CID515527_Hampton_CFPF-1
- **Mill Point Living Shoreline** CID515527 Hampton CFPF 2
- **Downtown Hampton, Phoebus and Buckroe Beach Water Plan** – CID515527_Hampton_CFPF-3

We kindly request that DCR confirm receipt of these materials. Should you have any questions regarding our applications, or difficulty accessing the documents, please do not hesitate to contact me

Warm regard ,

Carolyn Heap

Carolyn Heap
Resiliency Officer
Resilient Hampton | Community Development Department
22 Lincoln St, 5th floor, Hampton VA, 23669
Phone: Direct (757) 728-5221 | Main (757) 727-6140

Visit us on the web: www.hampton.gov



3 attachment

 **CID515527_Hampton_CFPF-2.pdf**
2045K

 **CID515527_Hampton_CFPF-3.pdf**
10052K

 **CID515527_Hampton_CFPF-1.pdf**
1976K

CFPF, rr <cfpf@dcr.virginia.gov>

To: "Heaps, Carolyn" <[REDACTED]>

Fri, Sep 3, 2021 at 4:37 PM

Received

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