

3772 - Sandy Bottom Sponge Park

Application Details

Funding Opportunity:

3293-Virginia Community Flood Preparedness Fund - Project Grants - CY25 Round 6

Funding Opportunity Due Date: Dec 1, 2025 11:59 PM

Program Area: Virginia Community Flood Preparedness Fund

Status: Under Review

Stage: Final Application

Initial Submit Date: Dec 1, 2025 9:05 PM

Initially Submitted By: Olivia Askew

Last Submit Date:

Last Submitted By:

Contact Information

Primary Contact Information

Active User*: Yes

Type: External User

Name*: Ms. Olivia Askew
Salutation First Name Last Name

Title: Resiliency Specialist

Email*: olivia.askew@hampton.gov

Address*: 22 Lincoln Street
5th Floor

Hampton Virginia 23669
City State/Province Postal Code/Zip

Phone*: 757-727-6301 Ext.
Phone

###-###-####

Fax: ###-###-####

Comments:

Organization Information

Status*: Approved
Name*: HAMPTON, CITY OF
Organization Type*: Local Government
Tax ID*: 54-6001336
Unique Entity Identifier (UEI)*: H43KALPESBP1
Organization Website: <https://hampton.gov/>
Address*: 22 Lincoln Street

Hampton Virginia 23669-
City State/Province Postal Code/Zip

Phone*: (757) 727-6392 Ext.
###-###-####

Fax: ###-###-####

Benefactor:

Vendor ID:

Comments:

VCFPF Applicant Information

Project Description

Name of Local Government*: City of Hampton

Your locality's CID number can be found at the following link: [Community Status Book Report](#)

NFIP/DCR Community 515527

Identification Number (CID)*:

If a state or federally recognized Indian tribe,

Name of Tribe:

Authorized Individual*: Brian DeProfio
First Name Last Name

Mailing Address*: 22 Lincoln Street
Address Line 1
City Manager's Office, 8th Floor
Address Line 2

Hampton Virginia 23669
City State Zip Code

Telephone Number*: 757-727-6064

Cell Phone Number*: 757-727-6064

Email*: bdeprofio@hampton.gov

Is the contact person different than the authorized individual?

Contact Person*: Yes

Contact: Olivia Askew

First Name Last Name

22 Lincoln Street

Address Line 1

Community Development, 5th Floor

Address Line 2

Hampton Virginia 23669

City State Zip Code

Telephone Number: 757-727-6301

Cell Phone Number: 757-727-6301

Email Address: olivia.askew@hampton.gov

Enter a description of the project for which you are applying to this funding opportunity

Project Description*:

The project consists of completing engineering designs for a multi-phase stormwater storage and treatment system designed to divert high flows from Newmarket Creek into a newly constructed 1.8-acre wet pond and then pump treated water into the existing Crystal Lake and wetlands system. Wetlands restoration within Sandy Bottom Nature Park will provide additional storage and water quality improvements.

Low-income geographic area means any locality, or community within a locality, that has a median household income that is not greater than 80 percent of the local median household income, or any area in the Commonwealth designated as a qualified opportunity zone by the U.S. Secretary of the Treasury via his delegation of authority to the Internal Revenue Service. A project of any size within a low-income geographic area will be considered.

Is the proposal in this application intended to benefit a low-income geographic area as defined above?

Benefit a low-income geographic area*: Yes

Information regarding your census block(s) can be found at census.gov

Census Block(s) Where Project will Occur*: 103.07 Block Group 1

Is Project Located in an NFIP Participating Community?*: Yes

Is Project Located in a Special Flood Hazard Area?*: Yes

Flood Zone(s) (if applicable): Floodway, AE, X-Shaded

Flood Insurance Rate Map Number(s) (if applicable): 5155270008H, 5155270009H

Eligibility CFPF - Round 4 - Projects

opportunity zone by the U.S. Secretary of the Treasury via his delegation of authority to the Internal Revenue Service. A project of any size within a low-income geographic area will be considered.

Low-Income Geographic Area*: Yes

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?

Reduction of Nutrient and Yes

Sediment Pollution*:

Does this project provide “community scale” benefits?

Community Scale Benefits*: More than one census block

Expected Lifespan of Project

Expected Lifespan of Project*: Over 20 Years

Comments:

Addition project category includes Wetlands Restoration

Scope of Work - Projects - Round 4

Scope of Work

Upload your Scope of Work

Please refer to Part IV, Section B. of the grant manual for guidance on how to create your scope of work

Scope of Work*: CID515527_HamptonCity_CFPF-2_SOW.pdf

Comments:

Scope of work

Budget Narrative

Budget Narrative Attachment*: CID515527_HamptonCity_CFPF-2_Budget.pdf

Comments:

Budget Narrative

Scope of Work Supporting Information - Projects

Supporting Information - Projects

Provide population data for the local government in which the project is taking place

Population*: 137148.00

Provide information on the flood risk of the project area, including whether the project is in a mapped floodplain, what flood zone it is in, and when it was last mapped. If the property or area around it has been flooded before, share information on the dates of past flood events and the amount of damage sustained

Historic Flooding data and CID515527_HamptonCity_CFPF-2_Historic Flooding.pdf

Hydrologic Studies*:

Include studies, data, reports that demonstrate the proposed project minimizes flood vulnerabilities and does not create flooding or increased flooding (adverse impact) to other properties

No Adverse Impact*:

CID515527_HamptonCity_CFPF-2_NoAdverselImpact.pdf

Include supporting documents demonstrating the local government's ability to provide its share of the project costs. This must include an estimate of the total project cost, a description of the source of the funds being used, evidence of the local government's ability to pay for the project in full or quarterly prior to reimbursement, and a signed pledge agreement from each contributing organization

Ability to Provide Share of

CID515527_HamptonCity_CFPF-2_FundingAvailability.pdf

Cost*:

A benefit-cost analysis must be submitted with the project application

Benefit-Cost Analysis*:

CID515527_HamptonCity_CFPF-2_BCA.pdf

If applicable, provide the Department with the current floodplain ordinance by link or attachment.

Local Floodplain Management

CID515527_HamptonCity_CFPF-2_FloodplainOrdinance.pdf

Regulations:

Provide a list of repetitive loss and/or severe repetitive loss properties. Do not provide the addresses for the properties, but include an exact number of repetitive loss and/or severe repetitive loss structures within the project area

Repetitive Loss and/or Severe

CID515527_HamptonCity_CFPF-2_RLSRL.pdf

Repetitive Loss Properties*:

Describe the residential and commercial structures impacted by this project, including how they contribute to the community such as historic, economic, or social value. Provide an exact number of residential structures and commercial structures in the project area

Residential and/or Commercial**Structures*:**

There are 3,294 residential and commercial structures located in Newport News within the study area. Information regarding the structure type is not publicly available.

There is one structure in Hampton within the study area. This is the Sandy Bottom Nature Park - Nature Center.

If there are critical facilities/infrastructure within the project area, describe each facility**Critical Facilities/Infrastructure*:**

Significant facilities within the study area include Peninsula Catholic High School, Watkins Early Childhood Center, Dominion Energy's Warwick Substation and the Children's Hospital of the King's Daughter's surgery center. There are also several wastewater pump stations within the study area.

Explain the local government's financial and staff resources. How many relevant staff members does the local government have? To what relevant software does the local government have access? What are the local government's capabilities?

Financial and Staff Resources*:

Local government financial and staff resources

The City of Hampton's resiliency work is supported by a highly trained group of professionals, in addition to external consulting support. Staff engaged in Resilient Hampton and other flood mitigation efforts include:

- Resiliency Officer
- Resiliency Specialist (x2)
- Director of Community Development Department
- City Planner
- Coastal Resilience Engineer
- Emergency Management Coordinator
- Deputy Emergency Management Coordinator
- Emergency Management Planner (x2)

- Water Resources Engineer
- Senior Civil Engineer
- Parks Planner
- Clean City Coordinator
- Deputy City Attorney

The City of Hampton has one certified floodplain managers on staff.

Relevant Software

The City of Hampton has access to the following software which is relevant to the execution of flood mitigation and resiliency work:

- ArcGIS Desktop and Online
- Adobe Suite
- AutoCAD
- HURREVAC HV-X
- SLOSH
- HAZUS
- 311 Communications

Local government capacity

The City of Hampton has an established team and division tasked with advancing coastal resiliency in the community. The Resilience Division, housed in the Community Development Department, leads and manages the Resilient Hampton Team, an inter-department, inter-disciplinary team of City staff whose work is related to resilience and flood mitigation efforts. The City has a proven track record of effectively completing watershed-level resilience planning and conceptual designs for community scale flood mitigation projects. In addition to staff capabilities, the City partners with various engineering and design consultant firms with expertise in coastal resilience, including Waggoner & Ball, Moffatt & Nichol, Brown & Caldwell, VHB, Hazen & Sawyer, Work Place Architects, Kimley Horn, Pennoni, etc

If the project proposed does not employ a nature-based or hybrid solution and the total project cost is greater than \$2 million, describe at least one alternative that could reasonably address the issue identified. Please also consider the No Action Option as a third alternative as part of the analysis. Explain these alternatives and the reason the proposed project was selected.

Alternatives: [CID515527_HamptonCity_CFPF-2_Alternatives Analysis.pdf](#)

Identify and describe the goals and objectives of the project. Include a description of the expected results of the completed project and explain the expected benefits of the project. This may include financial benefits, increased awareness, decreased risk, etc.

Goals and Objectives*:

Project Goals

The Sandy Bottom Sponge Park Master Plan will transform the headwaters of Newmarket Creek into a resilient system that reduces downstream flood risk, improves water quality, restores natural infrastructure, and positions Hampton for construction funding. It unifies hydrologic, ecological, engineering, and community strategies into one implementable plan supporting long-term watershed resilience.

Primary Goals

1. Reduce downstream flood risk through added storage, hydrologic controls, and flow diversion.
2. Restore Crystal Lake and surrounding wetlands as functional natural infrastructure.
3. Develop 30% feasibility designs required for future capital funding and permitting.
4. Improve water quality by expanding treatment capacity and reducing pollutant loads.
5. Advance equity by reducing flood exposure for high-SVI neighborhoods, including Paula Maria Village and City Line Apartments.
6. Establish a phased implementation roadmap supported by state, federal, and philanthropic funding.

Objectives

1. Complete updated H&H modeling within 12 months.
2. Produce three systemwide alternatives-diversion structures, expanded ponds, wetland elevation, CET, SCADA pumping-by Month 18.
3. Select a Preferred Alternative by Month 20.
4. Complete 30% feasibility designs for Phases 1-4 by Month 30.
5. Conduct environmental and regulatory screenings and define permitting pathways by Month 24.
6. Deliver the full Master Plan-including costs, volumetric benefits, and implementation strategy-by Month 34.
7. Complete reporting and grant closeout by Month 36.

Expected Results & Benefits

Flood-Risk Reduction

Provides over 155 million gallons per year of volumetric benefit, reducing peak flood elevations, improving watershed recovery, and decreasing pluvial stacking during tidal backwater events.

Environmental & Ecological Benefits

Expands upstream storage, improves wetland hydrology, reduces sediment and nutrient loads, restores Crystal Lake as a Level-2 wet pond, and strengthens ecological connectivity across 50 acres of wetlands.

Community & Social Benefits

Reduces flooding for vulnerable residents, improves access to restored natural areas, increases awareness of nature-based resilience, and supports partnerships with universities and regional agencies.

Financial & Long-Term Benefits

Positions Hampton for major construction funding, lowers long-term flood and infrastructure costs, and supports a phased capital strategy that enhances lasting watershed resilience.

Outline a plan of action laying out the scope and detail of how the proposed work will be accomplished with a timeline identifying expected completion dates. Determine milestones for the project that will be used to track progress.

Explain what deliverables can be expected at each milestone, and what the final project deliverables will be. Identify other project partners

Approach, Milestones, and

CID515527_HamptonCity_CFPF-2_Approach_Milestone_Deliverables.pdf

Deliverables*:

Where applicable, briefly describe the relationship between this project and other past, current, or future resilience projects. If the applicant has received or applied for any other grants or loans, please identify those projects, and, if applicable, describe any problems that arose with meeting the obligations of the grant and how the obligations of this project will be met

Relationship to Other Projects*:

Past and Current Resilience Projects

The City of Hampton has implemented numerous past resilience projects under the Resilient Hampton Initiative's earlier phases. Most notably, the City is currently implementing three flood mitigation projects based on the primary Living with Water resilience plan, as well as the subsequent Newmarket Creek Water Plan. These three projects - Big Bethel Blueway, Lake Hampton, and North Armistead Road Raising and Green Infrastructure - are at various stages in the design and construction process, from out to bid to completed construction. In addition, the City adopted the water plan for Downtown Hampton, Phoebeus, & Buckroe in October 2023 and has began the third water plan for Fox Hill, Grandview and Harris Creek. The City is implementing the Mill Point Living Shoreline projects and finished designs for Honor Park Resilience Park, both previous recipients of the Community Flood Preparedness Fund. Both of these nature-based flood mitigation and water quality projects are located in the Downtown Hampton and were integrated into the Downtown Hampton, Phoebeus, and Buckroe Water Plan. The next phase of work directly builds off of these previous and ongoing efforts.

Relationship to Other Projects

The Sandy Bottom Sponge Park project was first conceptualized in Newmarket Creek Water Plan that identified the need to slow and store water in the upper watershed in order to decrease downstream flooding. In addition to

this project, the City is working to reduce flooding and flood damages in the watershed through the Big Bethel Blueway project and the Central Newmarket Creek Flood Mitigation Study.

Demonstrated Experience Managing Grants and Loans for Resilience

Hampton has a demonstrated track record of pursuing and implementing both traditional and non-traditional financial mechanisms for resilience work. Most notably, in 2020, the City pursued an innovative Environmental Impact Bond (EIB) financing model. In previous grant rounds, the City of Hampton has received 10 Community Flood Preparedness Fund grant awards. In addition, the City has received grants from FEMA HMGP, FEMA PDM, DEQ SLAF, NFWF, etc. The City has not experienced any problems meeting the financial obligations of the awarded grants.

For ongoing projects or projects that will require future maintenance, such as infrastructure, flood warning and response systems, signs, websites, or flood risk applications, a maintenance, management, and monitoring plan for the projects must be provided

Maintenance Plan*: CID515527_HamptonCity_CFPF-2_MaintenancePlan.pdf

Describe how the project meets each of the applicable scoring criteria contained in Appendix B. Documentation can be incorporated into the Scope of Work Narrative

Criteria*:

Eligible Project - Hybrid Approach Resulting in a Nature-Based solution (15)

The proposed project consists of a wet pond, pump station, piped conveyance system, and wetlands restoration. The result of these projects is improved habitat and restoration of Crystal Lake and the adjoining wetlands - providing both stormwater storage while enhancing habitat and recreational opportunities.

Social Vulnerability Index - Moderate Social Vulnerability (5)

Community Scale Benefits - More than one Census Block (30)

The intent of the project is to store stormwater in the upper watershed, therefore benefiting the lower watershed. The lower watershed consists of portions of several Census Tracts

Expected Lifespan of Project - Over 20 Years (10)

Remedy for NFIP probation or suspension - no (0)

Proposed project part of a low-income geographic area - yes (10)

Proposed project implements a Chesapeake Bay TMDL BMP - yes (5)

Budget

Budget Summary

Grant Matching Requirement*:

LOW INCOME - Projects that will result in hybrid solutions - Fund 90%/Match 10%

Is a match waiver being requested?

Match Waiver Request No

Note: only low-income communities are eligible for a match waiver.

*:

I certify that my project is in a low-income geographic area: Yes

Total Project Amount (Request + Match)*: \$2,150,000.00
**This amount should equal the sum of your request and match figures

REQUIRED Match Percentage Amount: \$215,000.00

BUDGET TOTALS

Before submitting your application be sure that you meet the match requirements for your project type.

Match Percentage:

10.00%

Verify that your match percentage matches your required match percentage amount above.

Total Requested Fund Amount: \$1,935,000.00

Total Match Amount: \$215,000.00

TOTAL: \$2,150,000.00

Personnel

Description	Requested Fund Amount	Match Amount	Match Source
	No Data for Table		

Fringe Benefits

Description	Requested Fund Amount	Match Amount	Match Source
	No Data for Table		

Travel

Description	Requested Fund Amount	Match Amount	Match Source
	No Data for Table		

Equipment

Description	Requested Fund Amount	Match Amount	Match Source
	No Data for Table		

Supplies

Description	Requested Fund Amount	Match Amount	Match Source
	No Data for Table		

Construction

Description	Requested Fund Amount	Match Amount	Match Source
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Description	Requested Fund Amount	Match Amount	Match Source
No Data for Table			

Contracts

Description	Requested Fund Amount	Match Amount	Match Source
Civil Design	\$1,935,000.00	\$215,000.00	Cash
	\$1,935,000.00	\$215,000.00	

Maintenance Costs

Description	Requested Fund Amount	Match Amount	Match Source
No Data for Table			

PreAward and Startup Costs

Description	Requested Fund Amount	Match Amount	Match Source
No Data for Table			

Other Direct Costs

Description	Requested Fund Amount	Match Amount	Match Source
No Data for Table			

Long and Short Term Loan Budget - Projects - VCFPF

Budget Summary

Are you applying for a short term, long term, or no loan as part of your application?

If you are not applying for a loan, select "not applying for loan" and leave all other fields on this screen blank

Long or Short Term*: Not Applying for Loan

Total Project Amount: \$0.00

Total Requested Fund Amount: \$0.00

TOTAL: \$0.00

Salaries

Description	Requested Fund Amount
No Data for Table	

Fringe Benefits

Description	Requested Fund Amount
No Data for Table	

Description	Requested Fund Amount
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No Data for Table

Travel

Description	Requested Fund Amount
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No Data for Table

Equipment

Description	Requested Fund Amount
--------------------	------------------------------

No Data for Table

Supplies

Description	Requested Fund Amount
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No Data for Table

Construction

Description	Requested Fund Amount
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No Data for Table

Contracts

Description	Requested Fund Amount
--------------------	------------------------------

No Data for Table

Other Direct Costs

Description	Requested Fund Amount
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No Data for Table

Supporting Documentation

Supporting Documentation

Named Attachment	Required Description	File Name	Type	Size	Upload Date
Detailed map of the project area(s) (Projects/Studies)	Study Area	CID515527_HamptonCity_CFPF-2_StudyArea.pdf	pdf	964 KB	12/01/2025 01:19 PM

Named Attachment	Required Description	File Name	Type	Size	Upload Date
FIRMette of the project area(s) (Projects/Studies)	FIRMette	CID515527_HamptonCity_CFPF-2_FIRMette.pdf	pdf	754 KB	11/24/2025 09:06 AM
Historic flood damage data and/or images (Projects/Studies)	Historic Flooding	CID515527_HamptonCity_CFPF-2_Historic Flooding.pdf	pdf	1 MB	12/01/2025 01:20 PM
A link to or a copy of the current floodplain ordinance	Floodplain Ordinance	CID515527_HamptonCity_CFPF-2_FloodplainOrdinance.pdf	pdf	713 KB	11/24/2025 09:06 AM
Maintenance and management plan for project	maintenance and managementPlan	CID515527_HamptonCity_CFPF-2_MaintenancePlan.pdf	pdf	211 KB	12/01/2025 06:28 PM
A link to or a copy of the current hazard mitigation plan	Hazard Mitigation Plan	CID515527_HamptonCity_CFPF-2_Current Hazard Mitigation Plan.pdf	pdf	14 MB	11/24/2025 09:07 AM
A link to or a copy of the current comprehensive plan	Comprehensive Plan	CID515527_HamptonCity_CFPF-2_Comprehensive Plan.pdf	pdf	8 MB	11/24/2025 09:08 AM
Social vulnerability index score(s) for the project area	Social Vulnerability	CID515527_HamptonCity_CFPF-2_SocialVulnerability.pdf	pdf	80 KB	11/24/2025 09:21 AM
Authorization to request funding from the Fund from governing body or chief executive of the local government	Funding Availability	CID515527_HamptonCity_CFPF-2_FundingAvailability.pdf	pdf	367 KB	12/01/2025 03:05 PM
Signed pledge agreement from each contributing organization	Pledge form	CID515527_HamptonCity_CFPF-2_pledge.pdf	pdf	214 KB	12/01/2025 06:27 PM
Maintenance Plan	Maintenance plan - since it is a study no maintenance is required until implementation	CID515527_HamptonCity_CFPF-2_MaintenancePlan.pdf	pdf	211 KB	12/01/2025 06:15 PM
<i>Benefit-cost analysis must be submitted with project applications over \$2,000,000. in lieu of using the FEMA benefit-cost analysis tool, applicants may submit a narrative to describe in detail the cost benefits and value. The narrative must explicitly indicate the risk reduction benefits of a flood mitigation project and compares those benefits to its cost-effectiveness.</i>					
Benefit Cost Analysis	BCA	CID515527_HamptonCity_CFPF-2_BCA.pdf	pdf	90 KB	12/01/2025 09:03 PM

Named Attachment	Required Description	File Name	Type	Size	Upload Date
Other Relevant Attachments	Renderings of the project	CID515527_CityofHampton_CFPF_Hampton Sandy Bottom Rendering Presentation.pdf	pdf	3 MB	12/01/2025 06:21 PM

Letters of Support

Description	File Name	Type	Size	Upload Date
No files attached.				

Resilience Plan

Resilience Plan

Description	File Name	Type	Size	Upload Date
Resilience Plan Executive Summary	CID515527_HamptonCity_CFPF-2_ExecSummaryResPlan.pdf	pdf	209 KB	11/24/2025 09:23 AM