

3776 - CID510201_JamesCityCounty_CFPF

Application Details

Funding Opportunity:

3294-Virginia Community Flood Preparedness Fund - Study 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 5:10 PM

Initially Submitted By: Tammy Rosario

Last Submit Date:

Last Submitted By:

Contact Information

Primary Contact Information

Active User*: Yes

Type: External User

Name*: Mrs. Tammy Ann Rosario
Salutation First Name Middle Name Last Name

Title: Assistant Director of Community Development

Email*: tammy.rosario@jamescitycountyva.gov

Address*: James City County Community Development
PO Box 8784

Williamsburg Virginia 23187-8784
City State/Province Postal Code/Zip

Phone*: (757) 253-6688 Ext.
Phone
###-###-####

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

Comments:

Organization Information

Status*: Approved

Name*: James City County

Organization Type*: County Government

Tax ID*: 543001365

Unique Entity Identifier (UEI)*: XKY1BRD1MK11

Organization Website: <https://www.jamescitycountyva.gov/>

Address*: PO Box 8784

Williamsburg Virginia 23187-8784
City State/Province Postal Code/Zip

Phone*: 757-253-6688 Ext.
###-###-####

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

Benefactor:

Vendor ID:

Comments:

VCFPF Applicant Information

Project Description

Name of Local Government*: James City County

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

NFIP/DCR Community Identification Number (CID)*: 510201

If a state or federally recognized Indian tribe,

Name of Tribe:

Authorized Individual*: Tammy Rosario
First Name Last Name

Mailing Address*: James City County Community Development
Address Line 1
PO Box 8784
Address Line 2
Williamsburg Virginia 23187-8784
City State Zip Code

Telephone Number*: 757-253-6688

Cell Phone Number*: 757-253-6688

Email*: tammy.rosario@jamescitycountyva.gov

Is the contact person different than the authorized individual?

Contact Person*: No

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

Project Description*:

JCC faces flood risks from rainfall, riverine, & coastal influences on aging infrastructure. Powhatan & Skiffes Creek watersheds are highly developed, leaving homes, businesses, & critical facilities vulnerable. Leveraging DCR's CRMP, this study will expand H&H modeling/mapping of floodplains & recurrent flooding, including future conditions. It will identify actionable solutions, shifting the County from reactive fixes to proactive flood resilience & helping to advance the County's CRS rating.

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*: No

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

Census Block(s) Where Project will Occur*: 802.02,.05,.07,.08,.09; 803.04,.05,.06,.07,08; 801.02,.03,.04

Is Project Located in an NFIP Participating Community?* Yes

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

Flood Zone(s) (if applicable): VE, AE, floodway, 1%, 0.2%, X

Flood Insurance Rate Map Number(s) (if applicable):

51095C0108D,109D,128D,116D,117D,136D,118D,119D,138D,181D,182D,207D,226D,209D,228D,229D,236D,237D

Eligibility - Round 4

Eligibility

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)?

Local Government*: Yes
Yes - Eligible for consideration
No - Not eligible for consideration

If the applicant is not a town, city, or county, are letters of support from all affected local governments included in this application?

Letters of Support*:

N/A

Yes - Eligible for consideration

No - Not eligible for consideration

Has this or any portion of this project been included in any application or program previously funded by the Department?

Previously Funded*:

No

Yes - Not eligible for consideration

No - Eligible for consideration

Has the applicant provided evidence of an ability to provide the required matching funds?

Evidence of Match Funds*:

Yes

Yes - Eligible for consideration

No - Not eligible for consideration

N/A - Match not required

Scope of Work - Studies - 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*:

CID510201_JamesCityCounty_CFPF_Scope.pdf

Comments:

The attached includes the narrative: need, goals and objectives, work plan, maintenance plan, and evaluation.

Budget Narrative**Budget Narrative Attachment*:**

CID510201_JamesCityCounty_CFPF_Budget.pdf

Comments:

The attached includes the estimated total project cost, amount of funds requested, amount and sources of funds available, budget narrative table, and pages from the FY2026 Adopted Operating Budget. Local authorization is in supporting documents.

Scoring Criteria for Studies - Round 4

Scoring

Revising 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 Floodplain

No

Ordinances*:

Select

Creating tools or applications to identify, aggregate, or display information on flood risk or creating a crowd-sourced mapping platform that gathers data points about real-time flooding. This could include a locally or regionally based web-based mapping product that allows local residents to better understand their flood risk.

Mapping Platform*:

Yes

Select

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).

Hydrologic and Hydraulic Studies*: Yes
Select

Funding of studies of statewide and regional significance and proposals will be considered for the studies listed below - Up to 45 points

Studies and Data Collection of Statewide and Regional Significance Scoring:

Updating precipitation data and IDF information (rain intensity, duration, frequency estimates) including such data at a sub-state or regional scale on a periodic basis. (45)

Regional relative sea level rise projections for use in determining future impacts. (45)

Vulnerability analysis either statewide or regionally to state transportation, water supply, water treatment, impounding structures, or other significant and vital infrastructure from flooding. (45)

Flash flood studies and modeling in riverine regions of the state. (45)

Statewide or regional stream gauge monitoring to include expansion of existing gauge networks. (45)

New or updated delineations of areas of recurrent flooding, stormwater flooding, and storm surge vulnerability in coastal areas that include projections for future conditions based on sea level rise, more intense rainfall events, or other relevant flood risk factors. (45)

Regional flood studies in riverine communities that may include watershed scale evaluation, updated estimates of rainfall intensity, or other information. (45)

Regional hydrologic and hydraulic studies of floodplains. (45)

Studies of potential land use strategies that could be implemented by a local government to reduce or mitigate damage from coastal or riverine flooding. (40)

Other proposals that will significantly improve protection from flooding on a statewide or regional basis (35)

Studies and Data Collection of Statewide and Regional Significance*:

New or updated delineations of areas of recurrent flooding, stormwater flooding, and storm surge vulnerability in coastal areas that include projections for future conditions based on sea level rise, more intense rainfall events, or other relevant flood risk factors

Is the project area socially vulnerable? (based on ADAPT Virginia's Social Vulnerability Index Score)

Social Vulnerability Scoring:

Very High Social Vulnerability (More than 1.5)

High Social Vulnerability (1.0 to 1.5)

Moderate Social Vulnerability (0.0 to 1.0)

Low Social Vulnerability (-1.0 to 0.0)

Very Low Social Vulnerability (Less than -1.0)

Socially Vulnerable*: Moderate Social Vulnerability

Is the proposed project part of an effort to join or remedy the community's probation or suspension from the NFIP?

NFIP*: No

Is the proposed project in a low-income geographic area as defined below?

"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.

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 Sediment Pollution*: Yes

Comments:

Proposed projects will also seek to maximize co-benefits, through nature-based solutions and stormwater facilities with quantity reductions and water quality treatment via sediment and nutrient reductions supporting the County's Chesapeake Bay TMDL.

Scope of Work Supporting Information - Studies

Scope of Work Supporting Information

Is the proposed study a new study or updates on a prior study?

New or Updated Study*: New Study

Describe the relationship of the study to the local government's needs for flood prevention and protection, equity, community improvement, identification of nature-based solutions or other priorities contained in this manual

Relationship of Study to Priorities Contained in this Manual*:

This study directly supports the County's flood prevention and protection goals by identifying areas at high risk of flooding and generating conceptual flood mitigation projects. The project also informs CIP infrastructure investments which will enhance public safety. Additionally, the study will identify opportunities for nature-based solutions (such as stream restoration and constructed wetlands) in addition to hard infrastructure improvements (such as pipe upgrades and flood gates) to align with the County's CRS priorities.

Describe the qualifications of the individuals or organizations charged with conducting the study or the elements of any request for proposal that define those qualifications

Qualifications of Individuals Conducting Study*:

The study will be managed by a County Project Manager. The County will hire one or more qualified engineering Consultants to complete the major tasks. A qualified engineering Consultant must have one or more of the following qualifications:

- Professional experience in hydrologic and hydraulic modeling, including the development of 1-D and 2-D models using software's such as HEC-RAS, PCSWMM, or similar. Access to machines capable of handling large scale simulations, including mesh refinement and multi-scenario analysis is recommended. Experience with multiple similar modeling projects in Hampton Roads is required.
- Professional experience in stormwater master planning, including the development of flood mitigation projects through hydrologic and hydraulic modeling of alternatives analysis. Experience with multiple similar modeling projects in Hampton Roads is required.
- Professional experience in GIS-based field data collection, including the ability to perform field data collection using high accuracy-grade GPS equipment.

Describe the expected use of the study results in the context of the local resilience plan or, in the case of regional plans, how the study improves any regional approach

Expected use of Study Results*:

The Powhatan Creek Flood Study directly addresses a key recommendation from the Powhatan Creek Watershed Management Plan, which identified gaps in understanding rainfall-driven flooding not captured by FEMA mapping.

Historical flooding throughout the County has largely resulted from these rainfall-driven events, yet previous studies lacked the resolution to fully assess these risks. While forthcoming efforts such as DCR's CRMP Phase 2 and the James City County Resilience Plan will provide valuable regional data, their scale does not offer the detailed analysis needed for actionable local solutions. This study will close that gap by using advanced hydraulic modeling to evaluate rainfall-driven flooding within natural channels and local drainage systems, including structures not represented in DCR's CRMP models. The results will inform targeted mitigation strategies and guide future County CIP investments, ensuring a transition from planning to implementation where improvements are most critical.

The Skiffes Creek Flood Study establishes a scalable framework for advancing flood risk evaluations throughout the County. The Skiffes Creek Flood Study will delineate floodplains under multiple planning scenarios, producing the most comprehensive flood risk analysis to date for this watershed. This study will provide SFA identification that will be used to advance the Skiffes Creek Watershed to the next phase of evaluation and identification of flood mitigation solutions, like what will be done with the Powhatan Creek Watershed. The intent is for this to be the pilot and to continue a similar phased approach to determine how to prioritize other watersheds throughout the County over the coming years.

If applicable, describe how the study may improve Virginia's flood protection and prevention abilities in a statewide context (type N/A if not applicable)

Statewide Improvements*:

The study will also help improve Virginia's flood protection and prevention abilities in a regional context due to the presence of major evacuation routes through the study area (Route 60 and Interstate 64) that serves much of Hampton Roads. Potential vulnerabilities of these evacuation routes will be evaluated and considered with flood mitigation recommendations.

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

Repetitive Loss and/or Severe CID510201_JamesCityCounty_CFPF_RL-SRL.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 these structures in the project area

Residential and/or Commercial Structures*:

Residential: Powhatan Creek Watershed and the Skiffes Creek Watershed project area contain numerous single-family and multi-family residential structures, which are integral to maintaining the community's character and housing stability. There are 11,174 residential structures (single family detached and attached), 686 multi-family units, 37 mobile homes, 111 structures in retirement communities, and 939 timeshare units in the Powhatan Creek Watershed representing a variety of housing types and price points. There are 506 residential structures (single family detached and attached) and no multifamily structures the James City County portion of the Skiffes Creek Watershed project area. Of note is its larger concentration of affordable units, including 648 mobile homes. It is also home to the historic Grove community, which was settled by newly freed slaves and free blacks and their descendants following the Civil War as well as Carter's Grove plantation and mansion, which dates to the early 1700s and is on the National Register of Historic Places.

Commercial Structures - Powhatan Creek Watershed has 369 commercial structures, all of which support local employment and economic activity. Of particular importance are the major tourism and retail destinations of historic Jamestown Island, Jamestown Marina, Monticello Marketplace, New Town, Warhill Sports Complex, and Williamsburg Premium Outlets. The Skiffes Creek Watershed project area has 68 commercial structures, including several major employment and industrial centers, such as Ball Metal in the James River Commerce Park and the Walmart and Haynes distribution centers in the GreenMount Industrial Park.

If there are critical facilities/infrastructure within the project area, describe each facility

Critical Facilities/Infrastructure*:

The Powhatan Creek Watershed Management Plan identified 31 critical facilities within the watershed. A similar analysis has not yet been conducted for Skiffes Creek watershed but will be initiated in 2026 with the development of the watershed management plan. Critical facilities and infrastructure are generally described below:

- Emergency Services: There is one fire station and one hospital located within the Powhatan Creek Watershed.
- Schools/Community Centers: There are five public schools, the Virginia Peninsula Community College Historic Triangle campus, and the James City County Community Center within the boundaries of the Powhatan Creek Watershed. There is one combined elementary school/community center within the Skiffes Creek Watershed project area. Schools are critical to the County for education, but they and the community centers also serve as emergency shelter locations.
- Other Facilities: There are many other critical facilities, including water supply and wastewater pump stations, located within both the Powhatan Creek Watershed and Skiffes Creek Watershed project area. Within the Powhatan Creek Watershed, there are four critical facilities that are within the FEMA floodplain. Within the Skiffes Creek Watershed project area, there is a water supply reservoir as well as an HRSD wastewater treatment facility. The Naval Weapons Station is located in the Skiffes Creek Watershed project area.
- Transportation: Route 60, a principal arterial and evacuation route, and the CSX Railroad run through both Powhatan Creek Watershed and the Skiffes Creek Watershed project area. Interstate 64 and Route 143 also traverse the Skiffes Creek Watershed project area.

Budget

Budget Summary

Grant Matching Requirement*: Flood Prevention and Protection Studies - Fund 50%/Match 50%

Is a match waiver being requested?

Match Waiver Request No

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

*:

Total Project Amount (Request + Match)*: \$854,500.00
**This amount should equal the sum of your request and match figures

REQUIRED Match Percentage Amount: \$427,250.00

BUDGET TOTALS

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

Match Percentage:

50.00%

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

Total Requested Fund Amount: \$427,250.00

Total Match Amount: \$427,250.00

TOTAL: \$854,500.00

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
No Data for Table		

Contracts

Description	Requested Fund Amount	Match Amount Match Source
Contract Costs for Flood Study	\$427,250.00	\$427,250.00 James City County SRP Division CIP Budget
	\$427,250.00	\$427,250.00

Pre-Award 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
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No Data for Table

Supporting Documentation

Supporting Documentation

Named Attachment	Required Description	File Name	Type	Size	
Detailed map of the project area(s) (Projects/Studies)	Map of Study Area	CID510201_JamesCityCounty_CFPF_ProjectArea.pdf	pdf	4 MB	11 0
FIRMette of the project area(s) (Projects/Studies)	Map of Study Area and FIRM Panels	CID510201_JamesCityCounty_CFPF_FIRMPanels.pdf	pdf	8 MB	11 0
Historic flood damage data and/or images (Projects/Studies)	Historic Flood Damage Data and Photos	CID510201_JamesCityCounty_CFPF_FloodData.pdf	pdf	69 MB	11 0
A link to or a copy of the current floodplain ordinance Maintenance and management plan for project	Link to Floodplain Ordinance	CID510201_JamesCityCounty_CFPF_FloodplainOrdLink.pdf	pdf	171 KB	11 0
A link to or a copy of the current hazard mitigation plan	June 2022 Final Hampton Roads Hazard Mitigation Plan (includes James City County)	CID510201_JamesCityCounty_CFPF_HazardMitigation.pdf	pdf	28 MB	11 0
A link to or a copy of the current comprehensive plan	James City County Comprehensive Plan	CID510201_JamesCityCounty_CFPF_ComprehensivePlan.pdf	pdf	75 MB	11 0
Social vulnerability index score(s) for the project area	Social Vulnerability Maps of Study Area	CID510201_JamesCityCounty_CFPF_SocialVulnerability.pdf	pdf	6 MB	11 0

Named Attachment	Required Description	File Name	Type	Size	
Authorization to request funding from the Fund from governing body or chief executive of the local government	Letter from County Administrator and Signed Resolution from Board of Supervisors	CID510201_JamesCityCounty_CFPF_Authorization.pdf	pdf	97 KB	11 0
Signed pledge agreement from each contributing organization					
Maintenance Plan	Excerpt from Scope of Work Regarding Maintenance	CID510201_JamesCityCounty_CFPF_Maintenance.pdf	pdf	122 KB	11 0

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 risk reduction benefits of a flood mitigation project and compares those benefits to its cost-effectiveness.

Benefit Cost

Analysis

Other Relevant

Attachments

Letters of Support

Description	File Name	Type	Size	Upload Date
No files attached.				