

3759 - Jarratt Stormwater Resilience: Building a Data-Driven Foundation

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: Nov 25, 2025 12:15 PM

Initially Submitted By: Brandon Rawlings

Last Submit Date:

Last Submitted By:

Contact Information

Primary Contact Information

Active User*: Yes

Type: External User

Name*: Mr. Brandon Middle Name Rawlings
Salutation First Name Last Name

Title: Mayor

Email*: mayor@jarrattva.com

Address*: 108 South Braxton Ave

Jarratt Virginia 23867
City State/Province Postal Code/Zip

Phone*: 434-535-8012 Ext.
Phone
###-###-####

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

Comments:

Organization Information

Status*: Approved

Name*: Town of Jarratt

Organization Type*: Local Government

Tax ID*: 54-600-1367

Unique Entity Identifier (UEI)*: M2Z3P97P5KJ1

Organization Website:

Address*: 108 South Braxton Ave

Phone*: Jarratt Virginia 23867-
City State/Province Postal Code/Zip
434-535-8012 Ext.
###-###-####

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

Benefactor:

Vendor ID:

Comments:

VCFPF Applicant Information

Project Description

Name of Local Government*: Town of Jarratt

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

NFIP/DCR Community Identification Number (CID)*: 510263

If a state or federally recognized Indian tribe,

Name of Tribe:

Authorized Individual*: Brandon Rawlings
First Name Last Name

Mailing Address*: 108 S Braxton Ave
Address Line 1
Address Line 2
Jarratt Virginia 23867
City State Zip Code

Telephone Number*: 434-535-8012

Cell Phone Number*: 434-535-8865

Email*: mayor@jarrattva.com

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*:

The Town of Jarratt is seeking funding to conduct a stormwater infrastructure inventory and assessment, as well as develop recommendations to address neighborhood-scale flooding challenges that have arisen due to a lack of maintenance, undersized ditches and pipes, and limited local capacity. Recent storms have shown that FEMA's maps do not accurately capture the full extent of local flooding, compounded by failing infrastructure. This study is the first to making much-needed 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*: Townwide

Is Project Located in an NFIP Participating Community?* Yes

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

**Flood Zone(s)
(if applicable):**

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

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*:

N/A

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*:

CID510097_TownofWaverly_CFPF-1.pdf

Comments:***Budget Narrative*****Budget Narrative Attachment*:**

CID510097_TownofWaverly_CFPF-2.pdf

Comments:

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

No

Studies*:

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*:**

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

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*: Very High 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*:** No

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*:

The Jarratt Stormwater Resilience project is strongly aligned with the priorities and guiding principles outlined in the Virginia Department of Conservation and Recreation's Community Flood Preparedness Fund (CFPF) Round 6 Manual. At its core, the CFPF emphasizes planning, capacity building, and data-driven decision-making as foundational steps toward long-term flood resilience. This proposal directly supports those objectives by creating a GIS-based inventory of stormwater infrastructure, conducting a condition assessment, and integrating statewide flood risk datasets such as FATHOM hazard maps and Dewberry's Flood Master Plan outputs. These activities reflect the manual's call to base decision-making on the best available science and to utilize community-scale planning tailored to local needs.

The manual prioritizes projects that empower communities to understand vulnerabilities and develop actionable strategies, particularly in areas subject to recurrent flooding. Jarratt's approach-mapping assets, overlaying flood risk, and identifying critical infrastructure exposure-provides the Town with a clear picture of its risks and options for mitigation. This aligns with CFPF's Capacity Building and Planning category, which seeks to strengthen local governments' ability to assess flood risk and prepare for future funding rounds. By including a recommendations narrative with practical, low-cost strategies and examples from other small towns, the project advances the manual's emphasis on cost-effective solutions and nature-based approaches where feasible.

Additionally, the CFPF Round 6 Manual underscores the importance of equity and fiscal responsibility, requiring applicants to consider underserved communities and focus on scalable interventions. Jarratt's planning effort positions the Town to pursue future implementation projects that meet these criteria, while ensuring consistency with the Virginia Flood Protection Master Plan and local resilience planning requirements. By building a strong technical foundation and providing a roadmap for next steps, this project exemplifies the manual's intent to help communities move from assessment to implementation, fostering resilience through informed, strategic investment.

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*:

George Mason University's Dr. Celso Ferreira, PE, leads the Mason Flood Hazards Research Lab and will be acting as the Principal Investigator. Dr. Ferreira has extensive experience leading stormwater engineering studies at multiple scales. His group research strives to incorporate future climate variability, sea-level rise, and human-induced environmental changes into engineering practice and design. His group also focuses on integrating riverine, urban, and coastal flooding analysis in real-time, near-future forecasting, and critical infrastructure design.

Ferreira has written more than 20 technical publications and his research is currently funded by the National Science Foundation, the Department of Interior, the National Fish and Wildlife Foundation, and several private organizations. He was recently appointed a visiting scholar at Stanford University and an associate researcher at

the USGS National Research Program. He has more than 10 years of experience working on consulting projects related to water resources, and environmental and coastal engineering in the U.S. and Brazil.

The Crater Planning District Commission has experience in applying for and administering CFPF grants, as evidenced by progress made on awards from Rounds 4 and 5. The Town of Waverly has limited staff capacity and expertise in stormwater/floodplain management. Crater PDC will be acting as Project Manager, facilitating meetings between the Town and the consultant, steering committee meetings, and all grant administration/reporting duties. Crater PDC's Environment & Resilience Planner, Kit Friedman, is currently administering two CFPF grants and multiple other grants both regionally and on behalf of localities, including Emporia, Hopewell, and Petersburg. They are a Certified Floodplain Manager, hold a B.S. in Natural Resources Conservation, and a Master's in Urban & Regional Planning.

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*:

This study will be the first of its kind for a small town in the Crater PDC region. It will build upon the ongoing work of the PDC's Regional Resilience Plan, as well as the comprehensive plans of both Greenville and Sussex Counties. Currently, no stormwater assets are mapped and maintenance occurs on a reflexive basis, rather than proactively. The recently elected mayor has made efforts to map and maintain the ditch and culvert system where possible, but limited capacity and resources stifle these efforts. Town residents have recently discovered evidence of existing storm drains that have been closed off/paved over by VDOT crews, also contributing to drainage issues. While limited to the town boundaries, stormwater improvements within Jarratt will undoubtedly have the added benefit of improving conditions in the surrounding areas of Greenville and Sussex. This study's inventory and assessment will prime the town for future applications to CFPF and other grants to pursue strategic implementation based on the data-driven recommendations.

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 Town of Jarratt hopes that this study will set a precedent for other small, under-resourced communities throughout the Commonwealth by demonstrating that not only is this type of work possible in our small towns, but already being done. It demonstrates the power of partnerships between localities and the planning district commissions that serve them in an additive/supplemental capacity.

Additionally, the Town of Jarratt's proximity to corridors of statewide significance, include Interstate 95, Route 301, and the convergence of two major rail lines (CSX and Norfolk-Southern) has serious implications for traffic impacts due to flooding in the area.

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 CID510097TownofWaverly_CFPF-11.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*:

98 of the Town's 125 parcels are zoned for residential use, though an exact number of structures is difficult to pinpoint due to recent construction and demolition. Commercial and industrial structures include those on the town's 'main drag', Jarratt Avenue. This includes restaurants, shops, and Jarratt Hardware--considered to be a critical institution in the town. The town's parks (2), farmer's market, and four churches, which act as community hubs for their congregants to access resources, experience flood risk that is not captured by FEMA maps and

compounded by the failing infrastructure. Stormwater challenges have resulted in deep incising of ditches and collapsing culverts on Jarratt Avenue, causing additional stress on an already undersized, over-burdened system.
If there are critical facilities/infrastructure within the project area, describe each facility

Critical Facilities/Infrastructure*:

As previously mentioned, the Town of Jarratt is in close proximity to two corridors of statewide significance as well as two converging rail lines.
Critical facilities within the town include the fire and rescue squad station, as well as all town infrastructure such as water, sewer, electricity, etc.. Flooding has created challenges for emergency vehicle access from within the town, as well as issues for residents trying to leave their homes.

Budget

Budget Summary

Grant Matching Requirement*:

LOW INCOME - Flood Prevention and Protection Studies - Fund 90%/Match 10%
Is a match waiver being requested?

Match Waiver Request Yes
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)*: \$100,000.00
**This amount should equal the sum of your request and match figures

REQUIRED Match Percentage Amount: \$10,000.00

BUDGET TOTALS

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

Match Percentage:

9.09%
Verify that your match percentage matches your required match percentage amount above.

Total Requested Fund Amount: \$100,000.00
Total Match Amount: \$10,000.00
TOTAL: \$110,000.00

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
No Data for Table			

Contracts

Description	Requested Fund Amount	Match Amount	Match Source
George Mason University Flood Hazards Lab	\$80,000.00	\$0.00	
Crater PDC Administrative Services	\$20,000.00	\$0.00	
	\$100,000.00	\$0.00	

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
Match Waiver	\$0.00	\$10,000.00	Match Waiver Requested
	\$0.00	\$10,000.00	

Supporting Documentation

Supporting Documentation

Named Attachment	Required Description	File Name	Type	Size	Upload Date
Detailed map of the project area(s) (Projects/Studies)	Town boundary map	CID510263_TownofJarratt_CFPF-3.png	png	859 KB	11/25/2025 11:09 AM
FIRMette of the project area(s) (Projects/Studies)	FIRMette of study area	CID510263_TownofJarratt_CFPF-4.png	png	4 MB	11/25/2025 11:09 AM
Historic flood damage data and/or images (Projects/Studies)	2021 Article on Failing Ditches and Culverts in Jarratt	CID510263_TownofJarratt_CFPF-12.pdf	pdf	22 MB	11/25/2025 11:10 AM
A link to or a copy of the current floodplain ordinance	Floodplain Ordinance	CID510263_TownofJarratt_CFPF-5.pdf	pdf	438 KB	11/25/2025 11:10 AM
Maintenance and management plan for project					
A link to or a copy of the current hazard mitigation plan	Richmond-Crater Hazard Mitigation Plan	CID510263_TownofJarratt_CFPF-6.pdf	pdf	119 KB	11/25/2025 11:11 AM
A link to or a copy of the current comprehensive plan	Greensville & Sussex Comp Plans	CID510263_TownofJarratt_CFPF-7.pdf	pdf	17 KB	11/25/2025 11:11 AM
Social vulnerability index score(s) for the project area	SVI scores	CID510263_TownofJarratt_CFPF-8.pdf	pdf	138 KB	11/25/2025 11:15 AM
Authorization to request funding from the Fund from governing body or chief executive of the local government	Letter of Authorization	CID510263_TownofJarratt_CFPF-9.pdf	pdf	215 KB	11/25/2025 11:15 AM
Signed pledge agreement from each contributing organization					
Maintenance Plan					
<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					
Other Relevant Attachments	Scope of Work-- George mason University & Crater PDC	CID510263_TownofJarratt_CFPF-10.pdf	pdf	226 KB	11/25/2025 11:15 AM

Letters of Support

Description	File Name	Type	Size	Upload Date
No files attached.				