

3802 - Beaver Pond Creek Restoration and Floodplain Green Sink Project

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 7:05 PM

Initially Submitted By: Bethany Whitfield

Last Submit Date:

Last Submitted By:

Contact Information

Primary Contact Information

Active User*: Yes

Type: External User

Name*: Mrs. Bethany Middle Name Whitfield
Salutation First Name Last Name

Title: Manager, Proposal Management Office

Email*: bwhitfield@res.us

Address*: 1408 Roseneath Rd
Suite B

Richmond Virginia 23230
City State/Province Postal Code/Zip

Phone*: 989-709-8428 Ext.
Phone
###-###-####

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

Comments:

Organization Information

Status*: Approved

Name*: Tazewell County

Organization Type*: Local Government

Tax ID*: 54-6001649

Unique Entity Identifier (UEI)*: K7EPDEL2B141

Organization Website:

Address*: 197 Main Street

Phone*: Tazewell Virginia 24651-
City State/Province Postal Code/Zip
(276) 385-1208 Ext.
###-###-####

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

Benefactor:

Vendor ID:

Comments:

VCFPF Applicant Information

Project Description

Name of Local Government*: Tazewell County

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

NFIP/DCR Community Identification Number (CID)*: 510160

If a state or federally recognized Indian tribe,

Name of Tribe:

Authorized Individual*: Eric Young
First Name Last Name

Mailing Address*: 197 Main Street
Address Line 1
Address Line 2

Tazewell Virginia 24651
City State Zip Code

Telephone Number*: 276-385-1208

Cell Phone Number*: 276-385-1208

Email*: eyoung@tazewellcounty.org

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*:

Tazewell County's Bluefield Flood Study (CFPF-24-04-65) identified chronic flooding along Beaver Pond Creek impacting downtown Bluefield. The proposed Beaver Pond Creek Restoration and Floodplain Green Sink Project will restore 1,800 feet of stream, create a flood retention pond with automated controls, and enhance public safety, flood resilience, and habitat, aligning with the 2023 Flood Resilience Plan's mitigation goals.

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*: 511850211004 (Census Tract 211)

Is Project Located in an NFIP Participating Community?* Yes

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

Flood Zone(s) (if applicable): Zone AE/Zone X

Flood Insurance Rate Map Number(s) (if applicable): 51185C0070D; 51185C0069D; 51185C0231D; 51185C0232D

Eligibility CFPF - Round 4 - Projects

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

Does the local government have an approved resilience plan and has provided a copy or link to the plan with this application?

Resilience Plan*: Yes
Yes - Eligible for consideration under all categories
No - Eligible for consideration for studies, capacity building, and planning only

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*: Yes
Yes - Eligible for consideration
No - Not eligible for consideration
N/A - Not applicable

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

Scoring Criteria for Flood Prevention and Protection Projects - Round 4

Scoring

Category Scoring:

Hold CTRL to select multiple options

Project Category*:

Floodplain restoration, Stream bank restoration or stabilization, Wetland restoration

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

Does this project provide “community scale” benefits?

Community Scale Benefits*: 50-100% of census block

Expected Lifespan of Project

Expected Lifespan of Project*: Over 20 Years

Comments:

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*: CID510160_CFPF Round 6_Budget Narrative_Beaver Pond Creek.pdf

Comments:

Budget Narrative

Budget Narrative Attachment*: CID510160_CFPF Round 6_Budget Narrative_Beaver Pond Creek.pdf

Comments:

Scope of Work Supporting Information - Projects

Supporting Information - Projects

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

Population*: 5096.00

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 Hydrologic Studies*: CID510160_CFPF Round 6_Historic flooding Data_Beaver Pond Creek.pdf

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*: CID510160_CFPF Round 6_No Adverse Impact_Beaver Pond Creek.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 Cost*: CID510160_Letter of Authorization and Match-Bluefield.pdf

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

Benefit-Cost Analysis*: CID510160_CFPF Round 6_Benefit Cost Analysis_Beaver Pond Creek.pdf

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

Local Floodplain Management

Regulations:

CID510160_CFPF Round 6_Floodplain Management Regulations_Beaver Pond Creek.pdf

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 CID510160_CFPF Round 6_Rep Loss_Beaver Pond Creek.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*:

Implementation of Beaver Pond Stream Restoration Floodplain Green Sink Project will provide flood storage on Beaver Pond Creek upstream of the Town of Bluefield that will positively benefit 133 properties including the downtown area. reroute traffic through a gravel road, and Beaver Creek Pond near Jack Asbury Square which floods the creek alongside Spring Street and Downtown area blocking access to the fire station.

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

Critical Facilities/Infrastructure*:

The flood storage provided from the Beaver Pond Creek Stream and Floodplain Green Sink Project aims to reduce the base flood elevations and reduce the limits of the 100-year inundation at the culvert near Twin City Shopping Center parking lot which floods and floodwaters get very close to College Avenue north of the culvert, College Avenue at Stockton Road floods at least once a year and emergency services must reroute traffic through a gravel road, and Beaver Creek Pond near Jack Asbury Square which floods the creek alongside Spring Street and Downtown area blocking access to the fire station.

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*:

Tazewell County and Town of Bluefield have developed a Planning Team that plays an important role throughout the flood resiliency planning process. Members included a broad range of stakeholders vested in flood control, preparedness, and resilience, including community leaders and emergency response, building, and floodplain management officials. Regional planners from the Cumberland Plateau Planning District Commission (CPPDC), and State Representatives (e.g., Virginia Department of Conservation and Recreation (DCR) and Virginia Department of Emergency Management) were engaged and invited to participate on the Planning Team. Planning Team members met regularly (approximately bi-monthly) and were responsible for providing input throughout the planning process such as understanding of existing and planned projects, plans, and data, review of draft materials, and project prioritization. Some of the planning team members that will be involved with decisions for this project are:

Robyn Boyd, Executive Director, Clinch Valley Community Action

Andrew Hanson, Manager, Town of Bluefield

Eric Young, County Administrator, Tazewell County

Barry Brooks, Fire Chief, Tazewell County

Jeff Buchanan, VDOT

Jane Cordle, Stormwater, Tazewell County

Kenneth Dunford, Director of Engineering, Tazewell County

Brad Gibson, GIS/Mapping, Tazewell County

Gary Jackson, Building official, Tazewell County
Charlie Perkins, Planner II, CPPDC
Shanna Plaster, Board of Supervisors, Tazewell County

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:

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*:

Tazewell County was awarded the Bluefield Flood Study (CFPF-24-04-65) in 2024 and has nearly completed the work. Based on study findings, the Town of Bluefield is proposing an upstream flood mitigation project along Beaver Pond Creek to increase flood storage and reduce impacts to the downtown area.

The study was initiated due to long-standing flooding issues that disrupt local businesses and threaten community safety in a low-income area. It evaluated the causes of persistent flooding, existing conditions, and potential mitigation strategies, emphasizing nature-based solutions. As a community with moderate social vulnerability, Bluefield will benefit through improved public safety and resilience. The project aligns with the 2023 Tazewell County Flood Resilience Plan, which identified Bluefield as a priority area needing long-term, science-based, nature-focused flood mitigation.

A baseline 2D model was developed for Beaver Pond Creek and contributing tributaries, calibrated to historic flood events to identify flooding extents and infrastructure constraints. Modeling and alternatives analysis identified City Park property as a suitable location for combined stream and floodplain restoration with a floodplain retention pond. The project will create an overflow channel to capture floodwaters from storm events exceeding the 1-year return period and route them to the retention pond. The pond will be equipped with a continuous monitoring and automated control (CMAC) system to partially drain before storms, increasing storage capacity, and then slowly release stored water back into Beaver Pond Creek after peak flows subside.

The project will restore approximately 1,800 linear feet of Beaver Pond Creek, reconnecting the stream with its floodplain and improving habitat through instream and bank restoration. The restored area will also include a public trail and park amenities integrated around the pond and stream restoration.

CFPF Round 6 funding will support full development and implementation of the Beaver Pond Creek Restoration and Floodplain Green Sink Project, including design, modeling, permitting, construction documentation, and construction of the restoration and flood mitigation features.

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

Deliverables*:

CID510160_CFPF Round 6_Approach Milestones Deliverables_Beaver Pond Creek.pdf

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*:

The Beaver Pond Creek Restoration and Floodplain Green Sink project is being developed through the Tazewell County (CID#510160) Resiliency Plan funded by the 2022 CFPF Grant Award and the Town of Bluefield Flood Study (CFPF-24-04-65) funded by the 2024 CFPF Grant Award. Through the resiliency study, re-occurring flood issues were identified and documented through review of historical rainfall and flooding data, analysis of existing flood mapping and studies, and community engagement. The Bluefield Flood Study developed detailed HEC-HMS and rain on grid hydrologic studies and 2-D HEC-RAS modeling utilizing historic rain and runoff events to calibrate the model with documented flood stage observations. Through communication with the Town of Bluefield, properties owned or controlled by the Town were evaluated for flood storage options to reduce or delay the flood peaks that often result in flooding in Downtown Bluefield. Additionally, the flood study identified properties and structures that restrict the flood conveyance and result in back water flood conditions within the Town. Implementation of the Beaver Pond Creek Restoration and Floodplain Green Sink project will also add numerous recreational benefits planned as part of the Town of Bluefield Parks and Recreational Master Plan to the Bluefield City Park property by creating nature trails, open water recreation, wetlands, and habitat biodiversity. **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*:

CID510160_CFPF Round 6_Maintenance Plan_Beaver Pond Creek.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*:**1. Eligible Projects**

The project centers on restoration of 1,800 linear feet of Beaver Pond Creek, re-establishing natural floodplain connectivity, creating floodplain retention ponds, and restoring stream banks with native vegetation. These actions directly qualify under ?wetland/floodplain restoration, stream bank restoration, and restoration of floodplains to natural and beneficial function.?

Additionally, the project includes nature-based infrastructure (CMAC-controlled flood retention system), supporting long-term flood mitigation through natural hydrology rather than hard infrastructure.

2. Social Vulnerability Index

The Town of Bluefield is in a low-income geographic area with a moderate SVI score. This corresponds to the ? Moderate Social Vulnerability (0.0 to 1.0)? range.

3. Community Scale of Benefits

Flooding affects multiple downtown streets, businesses, and critical infrastructure (e.g., South College Avenue, Spring Street, and the fire station). The restored creek and retention system will reduce flooding across several census blocks in the downtown area and improve emergency access.

4. Expected Lifespan of Project

The project includes comprehensive design, native vegetation, and a five-year monitoring and adaptive management plan, supporting long-term ecological function and stability. These types of floodplain restoration projects typically exceed a 20-year lifespan when maintained properly.

5. Remedy for NFIP Probation or Suspension

The project does not remedy NFIP probation or suspension.

6. Low-Income Geographic Area

The Town of Bluefield is a low-income area with social vulnerability concerns. The project effort targets improved community resilience and safety in that area.

7. Chesapeake Bay TMDL BMP Implementation

The stream and floodplain restoration, native plantings, and stormwater retention components align with Chesapeake Bay TMDL best management practices (BMPs) for nutrient and sediment reduction.

Budget

Budget Summary

Grant Matching Requirement*:

LOW INCOME - Projects that will result in nature-based solutions - Fund 95%/Match 5%

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)*: \$5,116,448.08
**This amount should equal the sum of your request and match figures

REQUIRED Match Percentage Amount: \$255,822.40

BUDGET TOTALS

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

Match Percentage:

5.00%

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

Total Requested Fund Amount: \$4,860,625.68

Total Match Amount: \$255,822.40

TOTAL: \$5,116,448.08

Personnel

Description	Requested Fund Amount	Match Amount	Match Source
Personnel hours were estimated to complete the proposed scope of work and personnel budget estimated	\$515,554.90	\$43,071.92	In kind
	\$515,554.90	\$43,071.92	

Fringe Benefits

Description	Requested Fund Amount	Match Amount	Match Source
	\$220,952.10	\$18,459.40	

Description	Requested Fund Amount	Match Amount	Match Source
Fringe benefits associated with the personnel hours were estimated to complete the proposed scope of	\$220,952.10	\$18,459.40	In kind
	\$220,952.10	\$18,459.40	

Travel

Description	Requested Fund Amount	Match Amount	Match Source
Travel expenses were estimated based on mileage and lodging during the proposed scope of work phase.	\$17,358.00	\$0.00	In kind
	\$17,358.00	\$0.00	

Equipment

Description	Requested Fund Amount	Match Amount	Match Source
Equipment needed for geotechnical, survey, and field assessments were estimated based on the project	\$18,110.00	\$0.00	In kind
	\$18,110.00	\$0.00	

Supplies

Description	Requested Fund Amount	Match Amount	Match Source
Supplies needed for geotechnical, survey, and other field assessments were estimated based on the pr	\$12,135.00	\$0.00	In kind
	\$12,135.00	\$0.00	

Construction

Description	Requested Fund Amount	Match Amount	Match Source
Includes labor, materials, equipment, supplies, and travel cost required to implement the project.	\$3,767,250.50	\$0.00	In kind
	\$3,767,250.50	\$0.00	

Contracts

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

Maintenance Costs

Description	Requested Fund Amount	Match Amount	Match Source
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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
This includes other direct costs quantified as contingency that may be available for additional labo	\$309,265.18	\$194,291.08	In kind
	\$309,265.18	\$194,291.08	

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	

Travel

Description	Requested Fund Amount
No Data for Table	

Equipment

Description	Requested Fund Amount
No Data for Table	

Supplies

Description	Requested Fund Amount
No Data for Table	

Construction

Description	Requested Fund Amount
No Data for Table	

Contracts

Description	Requested Fund Amount
No Data for Table	

Other Direct Costs

Description	Requested Fund Amount
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)	Concept Map	CID510160_Beaver Pond Creek Concept Plan_.pdf	pdf	144 MB	12/01/2025 06:58 PM
FIRMette of the project area(s) (Projects/Studies)	FIRMette	CID510160_Beaver Pond Creek FIRM 51185C0232D.png	png	1 MB	12/01/2025 07:01 PM
Historic flood damage data and/or images (Projects/Studies)					
A link to or a copy of the current floodplain ordinance	Floodplain Ordinance	CID510160_Tazewell County_CFPF-6_Ordinance.pdf	pdf	225 KB	12/01/2025 07:01 PM
Maintenance and management plan for project					
A link to or a copy of the current hazard mitigation plan	Hazard Mitigation Plan	CID510160_Tazewell County_CFPF-6_HMP.pdf	pdf	13 MB	12/01/2025 07:01 PM

Named Attachment	Required Description	File Name	Type	Size	Upload Date
A link to or a copy of the current comprehensive plan					
Social vulnerability index score(s) for the project area					
Authorization to request funding from the Fund from governing body or chief executive of the local government	Letter of Authorization	CID510160_Letter of Authorization and Match-Bluefield.pdf	pdf	66 KB	12/01/2025 07:02 PM
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	Benefit-Cost Analysis	CID510160_CFPF Round 6_Benefit Cost Analysis_Beaver Pond Creek.pdf	pdf	1 MB	12/01/2025 07:02 PM
Other Relevant Attachments					

Letters of Support

Description	File Name	Type	Size	Upload Date
Support Letter	CID51-160_Tazewell County_CFPF-6_Support letter for Bluefield Flood Retention Projects.pdf	pdf	64 KB	12/01/2025 07:03 PM
Support Letter	CID510160_Tazewell County_CFPF-6_Support Letter for Bluefield Flood Retention Projects.pdf	pdf	82 KB	12/01/2025 07:04 PM

Resilience Plan

Resilience Plan

Description	File Name	Type	Size	Upload Date
Tazewell County Resilience Plan	CID510160_Tazewell County_CFPF-6_ResiliencePlan.pdf	pdf	4 MB	12/01/2025 12:55 PM