

3815 - Town of Crewe Flood & Drainage Resilience Data and Capacity Initiative

Application Details

Funding Opportunity:

3292-Virginia Community Flood Preparedness Fund - Capacity Building/Planning 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 10:00 PM

Initially Submitted By: Phil Miskovic

Last Submit Date:

Last Submitted By:

Contact Information

Primary Contact Information

Active User*: Yes

Type: External User

Name*: Mr. Phil Miskovic
Salutation First Name Last Name

Title: Town Manager

Email*: philmiskovic@townofcrewe.com

Address*: 125 E Carolina Ave

Crewe Virginia 23930
City State/Province Postal Code/Zip

Phone*: 434-390-9996 Ext.

Phone

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

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

Comments:

Organization Information

Status*: Approved
Name*: Town of Crewe
Organization Type*: Local Government
Tax ID*: 546001233
Unique Entity Identifier (UEI)*: M8NYCKAYM6Y
Organization Website: <https://www.townofcrewe.com>
Address*: 125 E Carolina Ave

Crewe Virginia 23930-
City State/Province Postal Code/Zip

Phone*: 434-390-9996 Ext.

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

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

Benefactor:

Vendor ID:

Comments:

VCFPF Applicant Information

Project Description

Name of Local Government*: Town of Crewe

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

NFIP/DCR Community 510264

Identification Number (CID)*:

If a state or federally recognized Indian tribe,

Name of Tribe:

Authorized Individual*: Phil Miskovic
First Name Last Name

Mailing Address*: 125 E Carolina Ave
Address Line 1
Address Line 2

Crewe Virginia 23930
City State Zip Code

Telephone Number*: 434-645-9453

Cell Phone Number*: 434-390-9996

Email*: philmiskovic@townofcrewe.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 Crewe will expand its drainage GIS, inventory and assess flood-prone basins, digitize flood and drainage records, and add limited-term staff capacity to coordinate this work and develop a flood resilience roadmap that identifies priority projects and positions the Town for future resilience planning and construction grants.

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*: FIPS 51-20160

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

Is Project Located in a Special Flood Hazard Area?*: No

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*: Yes

Yes - Eligible for consideration

No - Not eligible for consideration

N/A - Match not required

Scoring Criteria for Capacity Building & Planning - Round 4

Scoring

Eligible Capacity Building and Planning Activities (Select all that apply) – Maximum 100 points. To make multiple selections, Hold CTRL and click the desired items.

Capacity Building and

Planning*:

Goal planning, implementation, and evaluation, Long-term maintenance strategy, Resource assessments, planning, strategies, and development, Stakeholder engagement and strategies

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

Does this project provide "community scale" benefits?

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

Comments:

Scope of Work and Budget Narrative - Capacity Building and Planning - Round 4

Scope of Work - General Information

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 Attachment*: Crewe CFPF Scope of Work.pdf

Comments:

Budget Narrative

Budget Narrative Attachment*: Crewe CFPF Budget Narrative.pdf

Comments:

Scope of Work Supporting Information - Capacity Building and Planning

Scope of Work Supporting Information

Describe identified resource needs including financial, human, technical assistance, and training needs

Resource need identification*:

The Town of Crewe has significant gaps in financial, human, and technical capacity to manage flood-driven surcharging and overflows in a proactive way.

Financially, the Town's water and sewer utilities are already strained by existing debt, including roughly \$400,000 in annual sewer debt service from historic consent-order projects. This limits the ability to fund planning, specialized equipment, and consultant support out of the rate base. Crewe needs external funding to cover core capacity-building activities: town-wide drainage and collection inventory, GIS upgrades, flow monitoring, and priority digitization of consent-order and overflow records that are currently only on paper.

Human-resource capacity is also limited. Public Works and utility staff are fully engaged with daily operations, compliance, water and sewer break repairs, and emergency response. There is no dedicated resilience planner or analyst. The Town needs a dedicated staff person to coordinate this project, organize data, and connect engineering work to day-to-day decisions. This is why the project includes a Flood Resilience & Data Coordinator, supported by targeted consultant assistance instead of trying to add these tasks onto existing workloads.

Crewe also lacks some of the technical tools required to manage flood risk effectively. The Town needs high-accuracy field mapping equipment, flow meters for targeted wet-weather monitoring, and a maintainable GIS data model for drainage and overflow basins. Additional technical assistance from an engineer is needed to interpret patterns in the historic SSO and flooding data and to translate them into a usable Flood Resilience Roadmap.

Finally, training needs include practical instruction in GNSS/GIS data collection, flow metering, internal I&I investigations, and basic resilience planning and communication skills, so that existing staff can maintain and use the new tools and data after the grant ends.

Describe the plan for developing, increasing, or strengthening knowledge, skills and abilities of existing or new staff.

This may include training of existing staff, hiring personnel, contracting consultants or advisors

Development of Existing or New

Staff*:

This project is designed explicitly to build internal capacity rather than rely indefinitely on outside experts. The new Flood Resilience & Data Coordinator will be a Town employee whose role is to learn, document, and institutionalize flood and drainage resilience practices while coordinating day-to-day project work.

During the grant period, the Coordinator and key Public Works and utility staff will receive hands-on training in:

Using the Trimble GNSS and field tablet to collect accurate asset locations and attributes.

Deploying and reading portable flow meters in targeted basins and segments.

Conducting and documenting internal smoke testing and basic I&I investigations.

Maintaining drainage and overflow GIS layers and a geocoded SSO/flood event database.

The engineering consultant's role will explicitly include coaching and knowledge transfer. For example, the consultant will help design the GIS schema and then walk Town staff through data loading, QA/QC, and map production, rather than holding those tasks exclusively. The Coordinator will develop step-by-step standard operating procedures (SOPs) for field data collection, overflow event logging, and integration of new information into GIS and project files.

Staff will also attend targeted training and workshops offered by DCR, the Planning District Commission, and other state or regional partners on topics such as resilience planning, asset management, and flood communication. Over the course of the project, the Town will move from relying on external expertise for basic mapping and recordkeeping to having internal staff who can maintain data, interpret trends, and support future resilience plan development and capital project scoping.

Where capacity is limited by funding, what strategies will be developed to increase resources in the local government? (This may include work with non-governmental organization, or applying for grants, loans, or other funding sources)

Resource Development

Strategies*:

Because Crewe's fiscal capacity is limited by existing utility debt and a small tax base, the Town must be deliberate about how it develops additional financial resources for flood resilience. This project will help build the information and staff bandwidth needed to pursue future funding rather than relying on one-off, enforcement-driven projects.

First, the Town will use the inventory, GIS basins, and flow/overflow data produced under this grant to identify a pipeline of discrete, fundable projects (e.g., targeted rehabilitation, storage expansion, and drainage improvements in high-risk basins). These will be organized in the Flood Resilience Roadmap with enough detail to underpin applications for implementation-stage CFPF, HMGP/BRIC, VDH/DEQ, and other state or federal funding.

Second, the Flood Resilience & Data Coordinator will work closely with the Town Manager and Finance staff to align identified mitigation projects with the Town's Capital Improvement Program and multi-year financial planning, so that local match requirements are anticipated rather than ad hoc. Where appropriate, the Town will seek to braid funding sources (e.g., CFPF, HMGP, utility revenues, and other state programs) to reduce reliance on any single source.

Third, Crewe will continue to work with its Planning District Commission, regional partners, and non-governmental organizations to identify grant and technical assistance opportunities that fit the Town's scale. The improved data and documentation from this project will make Crewe more competitive for those opportunities.

Finally, by investing in a sustainable internal capacity (staff skills, GIS, equipment, and digitized records), the Town will reduce the need for emergency outside consulting and reactive spending, freeing up more of its limited resources for planned, cost-effective mitigation.

Describe policy management and/or development plans

Policy management and/or development*:

This project will also support improvements in how the Town manages and develops policies related to flood and drainage resilience.

First, as the inventory and analysis clarify where flood-driven surcharging and overflows occur, the Town will use the findings to refine internal operational policies, including SOPs for:

Overflow event logging and reporting;

Use of flow meters and smoke testing to investigate I&I;

Maintenance of ditches, inlets, and culverts in high-risk basins; and

Integration of new field observations into GIS and project files.

Second, the Town will use the Flood Resilience Roadmap to inform updates to broader governance and risk management frameworks, such as the developing Enterprise Risk Management (ERM) register and Continuity of Operations (COOP) planning. Flood-related infrastructure vulnerabilities will be explicitly recognized as key risks with identified owners, mitigation strategies, and monitoring indicators (e.g., reported SSO counts, I&I testing completed).

Third, this project will inform future updates to development and utility policies, including review of sump pump and foundation drain connections, expectations for new development or redevelopment in problem basins, and coordination between zoning/land use decisions and downstream drainage capacity. While no code changes are being drafted under this grant, the Town will come out of the project with better evidence to support targeted ordinance, standard, or design guideline updates.

Finally, the project will help establish basic information management and records policies related to drainage and overflow data: where GIS and digitized records are stored, who is responsible for updating them, and how they are used in project planning, budgeting, and grant applications.

Describe plans for stakeholder identification, outreach, and education strategies

Stakeholder identification,

outreach, and education

strategies*:

Stakeholder engagement for this project will focus on the people and organizations most affected by flood-driven surcharging and those who help manage or fund solutions.

Internal stakeholders include Public Works and utility staff, the Town Manager and Finance staff, the Police Department and emergency responders, and the Town Council. The Flood Resilience & Data Coordinator will convene periodic internal working sessions to review new inventory and GIS information, share observations from the field, and discuss emerging priorities.

External stakeholders include residents and businesses located in flood-prone basins; large water and sewer customers; nearby institutions such as schools or healthcare facilities; regional partners (Planning District Commission, county emergency management); and state agencies involved in water, sewer, and resilience funding and compliance. The Town will identify specific neighborhoods and streets where flooding and SSOs have been most frequent and ensure those residents receive targeted outreach.

Outreach methods will include:

Simple, map-based materials that show problem areas and explain the purpose of the inventory and Roadmap in plain language;

Notices and information inserts with utility bills and on the Town website and social media;

At least one public meeting or open house focused on flood and drainage issues, where residents can help identify trouble spots on maps;

One-on-one conversations with key institutional and business stakeholders who may be affected by or able to support future mitigation projects; and

Coordination with regional and state partners to ensure that Crewe's data and priorities are visible in broader resilience planning efforts.

Education will emphasize that this is a planning and capacity project, not construction, and that the goal is to build the knowledge and tools needed to reduce future flood-related backups and overflows and to position the Town for the next round of implementation funding.

Budget

Budget Summary

Grant Matching Requirement*:

LOW INCOME - Planning and Capacity Building - Fund 90%/Match 10%

*Match requirements for Planning and Capacity Building in low-income geographic areas will not require match for applications requesting less than \$3,000.

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)*: \$240,600.00 **This amount should equal the sum of your request and match figures

REQUIRED Match Percentage \$24,060.00

Amount:

BUDGET TOTALS

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

Match Percentage:

18.70%

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

Total Requested Fund Amount: \$195,600.00

Total Match Amount:	\$45,000.00
TOTAL:	\$240,600.00

Personnel

Description	Requested Fund Amount	Match Match Amount Source
Flood Resilience & Data Coordinator wages (0.5 FTE × 3 yrs @ \$30/hr)	\$93,600.00	\$0.00
	\$93,600.00	\$0.00

Fringe Benefits

Description	Requested Fund Amount	Match Match Amount Source
Project-related share of benefits (health, FICA, life, VRS)	\$0.00	\$30,000.00 General Fund
	\$0.00	\$30,000.00

Travel

Description	Requested Fund Amount	Match Match Amount Source
Project-related travel for field work & training (Town-funded)	\$0.00	\$10,000.00 General Fund
	\$0.00	\$10,000.00

Equipment

Description	Requested Fund Amount	Match Match Amount Source
Trimble GNSS + rugged field tablet + GIS/data collection software	\$18,000.00	\$0.00
Portable flow meters (for internal I&I and flow monitoring)	\$20,000.00	\$0.00
	\$38,000.00	\$0.00

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
Engineer GIS mapping support (3 yrs @ \$3,000/yr)	\$9,000.00	\$0.00	
Drainage & collection inventory and analysis (consulting engineer)	\$50,000.00	\$0.00	
Targeted document digitization vendor (priority flood/SSO records)	\$5,000.00	\$5,000.00	General Fund
		\$64,000.00	\$5,000.00

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
No Data for Table			

Supporting Documentation - General

Supporting Documentation

Named Attachment	Required Description	File Name	Type	Size
Detailed map of the project area(s) (Projects/Studies)				
FIRMette of the project area(s) (Projects/Studies)	Flood Plain Map	FIRMETTE_a1ca6135-c85a-4c5f-8dd3-5840a6bd2715-merged.pdf	pdf	1 MB
Historic flood damage data and/or images (Projects/Studies)	Historic overflow records	Crewe CFPF Historic Overflow records.xlsx	xlsx	17 KB
A link to or a copy of the current floodplain ordinance	Floodplain ordinance	Crewe CFPF Floodplain Ordinance.pdf	pdf	63 KB
Maintenance and management plan for project				

Named Attachment	Required Description	File Name	Type	Size
A link to or a copy of the current hazard mitigation plan	Hazard Mitigation Plan link	Hazard Mitigation Plan link.pdf	pdf	21 1 KB
A link to or a copy of the current comprehensive plan	Comprehensive Plan	Comprehensive PlanFinalJuly202312907.pdf	pdf	7 1 MB
Social vulnerability index score(s) for the project area	Social Vulnerability Index	Social Vulnerability Index.pdf	pdf	112 1 KB
Authorization to request funding from the Fund from governing body or chief executive of the local government	Authorization letter	Crewe CFPF Authorization Letter.pdf	pdf	434 1 KB
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 reduction benefits of a flood mitigation project and compares those benefits to its cost-effectiveness.</i>				
Benefit Cost Analysis				
Other Relevant Attachments	2005 Consent Decree	Consent Decree.pdf	pdf	1 1 MB

Letters of Support

Description	File Name	Type	Size	Upload Date
	No files attached.			