

3642 - Wilcox Lake Dam Remediation

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: Nov 20, 2025 5:22 PM

Initially Submitted By: Darryl Walker

Last Submit Date:

Last Submitted By:

Contact Information

Primary Contact Information

Active User*: Yes

Type: External User

Name*: Mr. Darryl Middle Name Walker
Salutation First Name Last Name

Title: Stormwater Program Manager

Email*: dwalker@petersburg-va.org

Address*: 1340 E. Washington Street

Petersburg Virginia 23803
City State/Province Postal Code/Zip

Phone*: (804) 733-2357 Ext.
Phone

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

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

Comments:

Organization Information

Status*: Approved

Name*: PETERSBURG CITY

Organization Type*: Local Government

Tax ID*:

Unique Entity Identifier (UEI)*:

Organization Website: sturille@petersburg-va.org

Address*: City of Petersburg
135 N. Union Street

Petersburg Virginia 23803
City State/Province Postal Code/Zip

Phone*: (804) 733-2300 Ext.
###-###-####

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

Benefactor:

Vendor ID:

Comments:

VCFPF Applicant Information

Project Description

Name of Local Government*: City of Petersburg
Your locality's CID number can be found at the following link: [Community Status Book Report](#)

NFIP/DCR Community Identification Number (CID)*: 510112

If a state or federally recognized Indian tribe,

Name of Tribe:

Authorized Individual*: J. March Altman, Jr.
First Name Last Name

Mailing Address*: Office of the City Manager
Address Line 1
135 North Union Street
Address Line 2
Petersburg Virginia 23803
City State Zip Code

Telephone Number*: 804-744-2301

Cell Phone Number*: 804-744-2301

Email*: maltman@petersburg-va.org

Is the contact person different than the authorized individual?

Contact Person*: Yes

Contact: Darryl Walker
First Name Last Name
Office of Development and Operations
Address Line 1
1340 East Washington Street
Address Line 2
Petersburg Virginia 23803
City State Zip Code

Telephone Number: 804-733-2357

Cell Phone Number: 804-733-2353

Email Address: dwalker@petersburg-va.org

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

Project Description*:

The City of Petersburg is requesting \$637,500 from the Community Flood Preparedness Fund (CFPF) to support the rehabilitation of the Wilcox Lake Dam, a high-hazard, locality-owned earthen impoundment. The project is designed to bring the dam into full compliance with the Virginia Dam Safety Act and associated regulations, and to secure a Regular Operation & Maintenance Certificate from the Virginia Department of Conservation and Recreation (DCR).

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*: 8110001028, 8110001032, 8110001033

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 A

Flood Insurance Rate Map Number(s) (if applicable): 5101120009D

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*: N/A
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*: All other projects

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

Does this project provide “community scale” benefits?

Community Scale Benefits*: More than one census block

Expected Lifespan of Project

Expected Lifespan of Project*: Over 20 Years

Comments:

This project will provide immediate improvements to flood risk and will have a lifespan of more than 20 years.

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*: Wilcox Lake Scope of Work.pdf

Comments:

Scope of Work Wilcox Lake Dam Remediation

Budget Narrative

Budget Narrative Attachment*: Wilcox Lake Dam Budget Narrative 1.pdf

Comments:

Budget Narrative

Scope of Work Supporting Information - Projects

Supporting Information - Projects

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

Population*: 33251.00

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*: 3 - Historic Flood Damage Data.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*: Wilcox Lake No Adverse Impact Statement and Docs.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*: Wilcox Lake Ability to Provide Share of Cost.pdf

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

Benefit-Cost Analysis*: Wilcox Lake Benefit Cost Analysis Statement.pdf

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

Local Floodplain Management Regulations: 4 - Petersburg Floodplain Ordinance.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 Repetitive Loss Properties*: Wilcox Lake Repetitive Loss Statement.pdf

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*:

According to the 2019 Failure Analysis Report, the dam break inundation zone (DBIZ) includes 24 residential and 18 commercial structures along Lieutenant Run. While the exact number of residents per household varies, a conservative estimate of 3 to 4 residents per unit suggests that approximately 72-96 individuals live in homes directly within the DBIZ. These homes are in areas designated as High Social Vulnerability according to the AdaptVA Social Vulnerability Mapping tool. In addition to residential impacts, the inundation zone includes critical infrastructure such as Interstate 85, Johnson Road, Bollingbrook Street, and South Sycamore Street, all of which are overtopped in breach scenarios. These corridors serve thousands of commuters and emergency responders daily, and their disruption would have citywide and regional consequences.

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

Critical Facilities/Infrastructure*:

In addition to safeguarding residential and commercial structures, the project protects critical public infrastructure and assets. This includes Interstate I-85, numerous city streets, and water utilities essential for emergency response and daily operations. A dam failure or overtopping event could severely impede the city's ability to respond quickly to emergencies, posing risks to public safety. Within the inundation zone are also six structures owned by the City of Petersburg, including an animal shelter, baseball field, water utilities, and wharf property. Additionally, the project protects assets owned by Columbia Gas of Virginia, which are vital to regional energy distribution.

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*:

The City of Petersburg has a well-documented need for assistance in terms of financial resources, staffing, and technical capacity. Currently, the city does not employ a full-time city engineer. To address this gap, the Wilcox Lake Dam project will be overseen by a coordinated team that includes the Stormwater Program Manager, the

Floodplain Administrator, and the Street Operations General Manager, with communications support provided by the Public Information Officer. Despite staffing limitations, the city has the internal capacity to manage key aspects of the project. This includes issuing a public bid, selecting a qualified contractor, executing construction contracts, and overseeing progress through completion. To augment its technical capabilities, the city maintains contracts with several engineering and design firms. These firms bring professional expertise and access to specialized software tools that will support the successful delivery of the project.

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: Wilcox Lake Alternatives Statement.pdf

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

Goals and Objectives*:

The goals of this project are to: 1) Bring Wilcox Lake Dam into compliance with Virginia DCR regulations; and 2) Reduce flood risk to downstream communities. The objectives of this project are: 1) Installation of HydroTurf and toe drain; 2) Issuance of Approved Regular Operation & Maintenance Certification. As a result of this project, the city will mitigate overtopping failure risk by installing engineered turf and drainage systems. The city will also achieve regulatory compliance and secure a Regular O&M Certificate. Benefits of the project include reduced flood risk to 24 residential, 18 commercial, and 6 public structures. Additionally, this project benefits Petersburg and Central Virginia residents by protecting public infrastructure including Interstate-85 and multiple public roads and utilities within the dam break inundation zone, including the downstream Defense Road culvert.

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*: Wilcox Lake Approach Milestones Deliverables.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 Wilcox Lake Dam remediation project is part of a broader effort from the City of Petersburg to mitigate active flood hazards and build resilient infrastructure that will manage flood risk in the future. The city is actively progressing efforts to manage flooding of infrastructure which could be affected by a failure of Wilcox Lake Dam from multiple avenues, including a Citywide Drainage Study to evaluate stormwater infrastructure across the city, and recovery of structures known to need maintenance. The Wilcox Lake Dam remediation project thus supports the city's resilience efforts and leverages the city's experience managing CFPF-funded projects. Since 2021, Petersburg has secured multiple CFPF awards across five funding rounds. These include capacity building for floodplain management, infrastructure upgrades in the Lakemont neighborhood, property acquisition and floodplain assessments, and engineering and construction plans for Bank Street and Petersburg Harbor improvements. The city has proactively managed necessary extensions and scope amendments where necessary for previous CFPF rounds. Petersburg has demonstrated its readiness to execute the Wilcox Lake Dam project by securing matching funds, completing engineering and design plans, and preparing the project for bidding. If awarded CFPF funding for this project, the city will continue to maintain open communication with DCR and external consultants to ensure that all obligations of the project are met.

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*: Wilcox Lake Maintenance Plan.pdf

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

Criteria*:

Eligible Projects: The project restores a dam (all other projects) to mitigate the risk of catastrophic flooding, loss of life, or property damage (10 points).

Social Vulnerability Index Score: The average social vulnerability index score is 1.9 across both census tracts in the City of Petersburg and therefore qualifies as Very High Social Vulnerability (10 points).

Community Scale of Benefits: This project will protect homes, businesses, and critical roadways from the devastating impacts of dam failure. It will ensure major city streets and parts of I-85 remain open to regional travelers and emergency responders during major flood events. It is estimated that the project benefits will apply to 37 census blocks from flooding (30 points).

Expected Lifespan of Project: This project will provide immediate improvements to flood risk and will have a lifespan of more than 20 years (10 points).

Remedy for NFIP probation or suspension: No, this project is not being completed to remedy NFIP probation or suspension (0 points).

Proposed project part of a low-income geographic area: Yes, as described in the Need for Assistance section, the city is a low-income geographic area (10 points).

Proposed Project Implements a Chesapeake Bay TMDL BMP: No, dam restoration is not an effort which is categorized as a Chesapeake Bay TMDL reduction tool (0 points).

Point Total: 70 points

Budget

Budget Summary

Grant Matching Requirement*: LOW INCOME - All other Projects Fund 85%/Match 15%

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)*: \$750,000.00
**This amount should equal the sum of your request and match figures

REQUIRED Match Percentage Amount: \$112,500.00

BUDGET TOTALS

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

Match Percentage:

15.00%

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

Total Requested Fund Amount: \$637,500.00

Total Match Amount: \$112,500.00

TOTAL: \$750,000.00

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
Wilcox Lake Dam Renovation Construction Costs	\$637,500.00	\$112,500.00	Cash
	\$637,500.00	\$112,500.00	

Contracts

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

Maintenance Costs

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

PreAward and Startup Costs

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

Other Direct Costs

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

Long and Short Term Loan Budget - Projects - VCFPF

Budget Summary

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

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

Long or Short Term*: Not Applying for Loan

Total Project Amount: \$0.00

Total Requested Fund Amount: \$0.00

TOTAL: \$0.00

Salaries

Description	Requested Fund Amount
No Data for Table	

Fringe Benefits

Description	Requested Fund Amount
No Data for Table	

Travel

Description	Requested Fund Amount
No Data for Table	

Equipment

Description	Requested Fund Amount
No Data for Table	

Description **Requested Fund Amount**

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)	Project map	1 - Project Map.pdf	pdf	1 MB	10/31/2025 01:23 PM
FIRMette of the project area(s) (Projects/Studies)	FIRMette Project Area	2 - FIRMette of Project Area.pdf	pdf	801 KB	10/31/2025 01:26 PM
Historic flood damage data and/or images (Projects/Studies)	Flood data and hydrologic studies.	3 - Historic Flood Damage Data.pdf	pdf	46 MB	11/20/2025 04:42 PM
A link to or a copy of the current floodplain ordinance	Petersburg Floodplain Ordinance	4 - Petersburg Floodplain Ordinance.pdf	pdf	311 KB	10/31/2025 01:24 PM
Maintenance and management plan for project	Wilcox Lake Dam Maintenance Plan	Wilcox Lake Maintenance Plan.pdf	pdf	77 KB	11/20/2025 04:43 PM
A link to or a copy of the current hazard mitigation plan	Richmond - Crater Hazard Mitigation Plan 2022	6 - 2022 Richmond-Crater-Hazard-Mitigation-Plan.pdf	pdf	21 MB	10/31/2025 01:24 PM
A link to or a copy of the current comprehensive plan	Comprehensive Plan	7 - Comprehensive Plan 2024-05-21.pdf	pdf	47 MB	10/31/2025 01:25 PM

Named Attachment	Required Description	File Name	Type	Size	Upload Date
Social vulnerability index score(s) for the project area	Social Vulnerability Index	8 - Wilcox Lake Dam SVI 2025.pdf	pdf	1 MB	10/31/2025 01:25 PM
Authorization to request funding from the Fund from governing body or chief executive of the local government	Signed Authorization Letter	Authorization of City of Petersburg CFPF Project Application ID for 3642 Wilcox Lake Dam Remediation.pdf	pdf	332 KB	11/20/2025 04:43 PM
Signed pledge agreement from each contributing organization					
Maintenance Plan	Wilcox Lake Maintenance Plan	Wilcox Lake Maintenance Plan.pdf	pdf	77 KB	11/20/2025 04:44 PM
<i>Benefit-cost analysis must be submitted with project applications over \$2,000,000. in lieu of using the FEMA benefit-cost analysis tool, applicants may submit a narrative to describe in detail the cost benefits and value. The narrative must explicitly indicate the risk reduction benefits of a flood mitigation project and compares those benefits to its cost-effectiveness.</i>					
Benefit Cost Analysis	BCA	Wilcox Lake Benefit Cost Analysis Statement.pdf	pdf	75 KB	11/20/2025 04:45 PM
Other Relevant Attachments	Design plans	Other 1 - Wilcox Lake Dam Design Plans.pdf	pdf	11 MB	10/31/2025 01:25 PM

Letters of Support

Description	File Name	Type	Size	Upload Date
No files attached.				

Resilience Plan

Resilience Plan

Description	File Name	Type	Size	Upload Date
City of Petersburg Resilience Plan	CID510112.Petersburg.ResiliencePlan.pdf	pdf	92 MB	11/20/2025 04:50 PM