

Virginia Community Flood Preparedness Fund Grant Program

Virginia Department of Conservation and Recreation

Application Form for Grant and Loan Requests for All Categories

Title: Charlottesville Floodplain Management Program Evolution

Name of Local Government: City of Charlottesville

Category Being Applied for (check one):

- ☒ Capacity Building/Planning
- ☐ Project
- ☐ Study

NFIP/DCR Community Identification Number (CID): 510033

Name of Authorized Official and Title: Samuel Sanders, Jr., City Manager

Signature of Authorized Official: Samuel Sanders, Jr. (see Attachment 1)

Mailing Address (1): P.O. Box 911

Mailing Address (2): _____

City: Charlottesville State: VA Zip: 22902

Telephone Number: 434-970-3101 Cell Phone Number: (____) _____

Email Address: Sanderss@charlottesville.gov

Contact and Title (If different from authorized official): Kristel Riddervold, Director, Office of Sustainability

Mailing Address (1): P.O. Box 911

Mailing Address (2): _____

City: Charlottesville State: VA Zip: 22902

Telephone Number: 434-970-3631 Cell Phone Number: (434) 989-8999

Email Address: riddervold@charlottesville.gov

Project Description (500-character limit):

This proposal is for building a more robust floodplain management program by ensuring that critical roles and responsibilities are properly established and understood within city staff. A more robust program will allow the City to fully activate and operationalize the 2023 Flood Resilience Plan, move toward funding and executing the several project recommendations and develop proactive initiatives in consideration of flooding challenges resulting from the changing climate.

Is the proposal in this application intended to benefit a low-income geographic area as defined in the Part 1 Definitions? Yes X (Attachment 2) No _____

Census Block(s) Where Project will Occur: 648 blocks City-wide (see Attachments 3 and 4)

Categories (select applicable activities that will be included in the project and used for scoring criterion):

Capacity Building and Planning Grants

- ☒ Floodplain Staff Capacity.
- ☒ Resilience Plan Development
 - ☒ Revisions to existing resilience plans and modifications to existing comprehensive and hazard mitigation plans.
 - ☒ Resource assessments, planning, strategies, and development.
 - ☒ Policy management and/or development.
 - ☒ Stakeholder engagement and strategies.
- ☒ **Other:** Evolution of floodplain management program to implement the Flood Resilience Plan

Location of Project or Activity (Include Maps): City of Charlottesville, city-wide (Attachment 5)

NFIP Community Identification Number (CID#): 510033

Is Project Located in an NFIP Participating Community? ☒ Yes ☐ No

Is Project Located in a Special Flood Hazard Area? ☒ Yes ☐ No

Flood Zone(s) (If Applicable): Zone AE (partial Zone A)

Flood Insurance Rate Map Number(s) (If Applicable): 51003C0-267D, 286D, 287D, 269D, 288D, 289D

Total Cost of Project: \$400,000

Total Amount Requested: \$360,000 (90% of total cost)

Amount Requested as Grant: \$360,000

For projects, planning, capacity building, and studies in low-income geographic areas: Are you requesting that match be waived? ☐ Yes ☒ No

SCOPE OF WORK NARRATIVE

General Requirements

1. Need:

a. Specific problem being solved (not just that flooding exists or may occur in the future).

The City of Charlottesville (City) received CFPF funding from DCR to develop a Flood Resilience Plan in 2022. The plan was completed in 2023 and approved by DCR. The City has taken action on the plan. However, since then, there have been a number of staff changes as well as a structural reorganization. In addition, the responsibilities and leadership for addressing floodplain management and flood resilience are dispersed across a number of departments in City government. Taken together, these challenges are impeding City government's ability to fully activate and operationalize this plan.

This proposal is for grant funding to enable City government to hire a third-party consultant with cross-cutting competencies in floodplain management to help build a more robust floodplain management program by ensuring that critical roles and responsibilities are properly established and understood within City staff. A more robust program will allow the City to fully activate and operationalize the 2023 Flood Resilience Plan, move toward funding and executing the several project recommendations in the plan, and develop proactive initiatives in consideration of flooding challenges resulting from the changing climate.

This effort will advance the collaboration building established to co-create the Flood Resilience Plan. The consultant will facilitate staff engagement for evolving to a multi-disciplinary, cross-functional floodplain management program. The consultant will be charged with identifying appropriate departmental and staff roles and responsibilities to optimize program operation. Systems thinking and lifecycle analysis approaches are necessary to solve the problem of persistent and increasing flooding threatening buildings, historical assets, mobility, utilities, the natural environment, public health and safety, and the economy. This includes ensuring plans, procedures, and projects are in concert with local, state, and federal floodplain management standards, the local Climate Adaptation and Resilience Plan currently in development, and the regional Hazard Mitigation Plan.

This capacity building and planning initiative will include updating the Flood Resilience Plan based upon the improvements to the flood management program and recent data to develop action-oriented approaches. This will involve reviewing/updating currently identified projects, identifying additional projects, and prioritizing all identified projects for strategic implementation. Projects may include flood mitigation measures ranging from policy development, capacity building, preparedness activities, recovery planning, and physical on-the-ground projects. Priority will be given for addressing critical assets, utilizing cost-effective nature-based solutions, and implementing community-wide approaches. Solutions may include improved stormwater management, temporary or permanent flood mitigation techniques, or the establishment of effective emergency response protocols. The consultant will support execution of the priority projects to bolster flood preparedness and reduce the impacts of flooding, including projected flooding driven by climate change.

b. Factors which contribute to the identified problem.

The City of Charlottesville is a 10.2 square mile geographic area located in the 750 square mile Rivanna River watershed, one of the largest watersheds in Virginia, and drains to the James River, a major tributary to the Chesapeake Bay. The city has 35 miles of open waterways and 445 acres of Zone AE floodplain. Three substantial waterways, with mapped floodplains, surround the City of Charlottesville: Meadow Creek to the north, the Rivanna River to the east, and Moores Creek to the south. An inland tributary to Moores Creek, Rock Creek, is also within a mapped floodplain. Maps of the city and local special flood hazard areas are provided in **Attachment 5**.

The City is responsible for acting on floodplain regulations and stormwater regulations related to development, water quantity, and water quality. Key City roles and responsibilities for floodplain management and related programs are:

- **Neighborhood Development Services (NDS)** maintains the City's floodplain ordinance and National Flood Insurance Program (NFIP) flood maps, and coordinates floodplain permit review and approval. The ordinance and the maps are implemented as an overlay district within the City's Development Code. The NDS Director is the City's Floodplain Administrator and a NDS Senior Planner, a Certified Floodplain Manager (CFM), is the floodplain program manager. The Building Official is also part of NDS and is responsible for enforcing construction and elevation standards within flood zones. NDS also maintains the Comprehensive Plan and permitting for renovations and new construction.
- **Department of Utilities** administers the Water Resources Protection Program (WRPP) and is focused on management and maintenance of the stormwater conveyance system including the related capital improvement program, the Municipal Separate Storm Sewer System (MS4) permit and program, the stormwater utility, and local and regional water quality and stream health initiatives.
- **Department of Public Works (PW)** has several divisions that play a critical role in floodplain management. The Engineering Division provides design services, standards and regulations, and project administration to support the execution and oversight of infrastructure projects. They also provide engineering plan reviews of public and private development and redevelopment projects and administration of the Virginia Erosion and Stormwater Management Program (VESMP). The Capital Development and Facilities Maintenance Divisions conduct planning, design, construction, repair, and maintenance for City-owned public buildings and schools. The Public Service Division is responsible for maintaining streets and sidewalks.
- **Department of Parks and Recreation** manages publicly owned lands in the riparian and floodplain zones.
- **Office of Emergency Management** includes flooding and floodplains in emergency preparedness and response activities. They also are the liaison to the Federal Emergency Management Administration (FEMA) and the Virginia Department of Emergency Management (VDEM) for technical assistance and funding.
- **Office of Sustainability (OS)** manages the City's climate program which is focused on both climate mitigation and climate adaptation and resilience. OS also collaborates closely with the WRPP.
- **Office of Community Solutions** coordinates the City's grants program.

This list of participants is indicative of the dispersed nature of floodplain management and flood resilience work and underscores the criticality of this grant initiative to help City government improve the program, both for cohesion and comprehensiveness.

c. Why the project is needed either locally or regionally.

In general, the City of Charlottesville and the larger region would benefit from the development of a comprehensive floodplain management program to address specific problem areas and mitigation measures in a coordinated, multi-disciplinary, integrated approach. Without sufficient mitigation efforts, flooding and drainage issues will continue to impact local dwellings and businesses and contribute to the degradation of infrastructure, the environment, and the economy.

Links to local and regional planning documents and code are provided for reference:

- **Attachment 6.** City Floodplain Ordinance
- **Attachment 7.** TJPDC Hazard Mitigation Plan 2018
- **Attachment 8.** City Comprehensive Plan Document 2021

d. How the project decreases the risk to public safety through flood risk reduction.

The City of Charlottesville has participated in FEMA's National Flood Insurance Program (NFIP) since 1979 and has established a floodplain development ordinance based on NFIP participation requirements. The City exceeds NFIP minimums by requiring residential buildings to have elevations 1-ft above the base flood elevation.

The consultant will look for opportunities to improve and optimize the floodplain management program by looking for synergies, alignment with other requirements and procedures, and areas for training and other local capacity building. A better functioning floodplain management program that supports implementing the Flood Resilience Plan will reduce flood risk and the risk to public safety.

e. How the project protects or conserves natural resources.

The current floodplain management program, Flood Resilience Plan recommendations, and stormwater management program prioritize natural and nature-based solutions to protect and conserve natural resources, and the City is committed to the continued protection and conservation of these resources.

The ConserveVirginia 3.0: Virginia's Land Conservation Strategy (2023) shows (**Attachment 9**):

- Local managed conservation lands (green) along the waterways,
- Cultural and historic preservation lands (pink),
- Areas for scenic preservation (lavender) along the waterways,
- Areas of high wildlife-vehicle conflicts (lavender) near the waterways,
- Medium potential for freshwater mussels (fuchsia),
- High watershed impact (blue),
- High land-based recreation need (brown),
- High water-based recreation need (brown),
- Cultural resource preservation needs,
- High development vulnerability (orange) along the waterways,
- Scenic river stretches, and
- Local trails (yellow).

In addition to the state data, the City's locally-focused [GreenPrint](#) project provides more fine-grained, informative, and applicable data in these categories. The City will use these data to inform decision making related to floodplain management and flood resilience. A climate-forward flood management program can have a positive effect on natural resources and associated cultural assets.

f. Who or what is protected.

A well-designed floodplain management program will serve to protect the community, including:

- **People:** By implementing effective flood resilience measures, the plan aims to safeguard residential properties and ensure the safety of the people living within the community.
- **Businesses:** A flood resilience program can provide protection to businesses by minimizing the risk of property damage and helping to sustain the local economy.
- **Natural Environment:** An effective resilience plan incorporates measures that both leverage and protect the natural environment, including water bodies, wetlands, and wildlife habitats.
- **Cultural and Historical Sites:** The project will take consideration for protecting cultural and historical sites to preserve the community's cultural heritage and identity.

This City-wide program aims to **protect low-income and underserved community members**. On average, Charlottesville has a mean household income (\$69,829) less than 80% of the state average (\$89,931) meaning the entire city meets the DCR definition of a low-income geographic area.

DCR defines underserved communities as those that may be environmentally overburdened, e.g., adversely and disproportionately affected by environmental and human health harms or risks. There are several indices that capture areas of underserved communities including those with social and economic vulnerability within City limits. These community members have fewer resources to prepare for and recover from flood impacts. The indices are described in detail in the Flood Resilience Plan and summarized here (see **Attachment 10** for maps):

- The Virginia Vulnerability Viewer identifies areas of low, moderate, and high social vulnerability indexes. Census tract 2.02 is the only one with high social vulnerability.
- The U.S. CDC's Social Vulnerability Index (SVI) identifies areas of lowest to highest social vulnerability. Census tracts 2.02 (51540000202), 4.01 (51540000401), and 5.01 (51540000501) have high social vulnerability. Census tract 109.04 (51003010904) adjacent to the west in Albemarle County also has high social vulnerability.
- The White House's Climate and Economic Justice Screening Tool (CEJST) identifies 3 Census tracts in the city as disadvantaged (identified in blue on the map). Census tracts 2.02 (51540000202) between the Downtown Mall and UVA is disadvantaged for workforce development due to a low median income, high poverty, a high percentage of people that do not have high school diplomas. Census tract 5.01 (51540000501) south of Starr Hill is disadvantaged for housing due to the high relative cost of housing and low income. Census tract 6 (51540000600) north of the train tracks is disadvantaged for housing due to a high housing cost and low income. Two adjacent census tracts to the west identified as being part of Albemarle County are also identified as disadvantaged.

g. The safety threats, or environmental concerns related to flood risk.

The City has identified 675 parcels partially or fully located within the floodplain: 82% are residential, 15% are in corridors, and the remainder are commercial and industrial. Several arterial roadways that connect the city to surrounding Albemarle County span special flood hazard areas. The most notable of these is 5th Street SW and Avon Street Extended to the south and Long Street to the East. Cherry Avenue is a collector street that runs through the Fifeville and Fry's Spring neighborhoods and spans the Rock Creek floodplain.

The impacts of flooding on individuals, businesses, and communities can be loosely identified by direct and indirect consequences. Regardless of the cause of flooding issues, many of the consequences look similar although they may differ in scale. Generally, the following consequences of flooding to the City of Charlottesville include:

Direct Impacts

- Roadway overtopping and encroachment
- Bridge and culvert impairments
- Property damage and loss
- Erosive damage to waterways, public infrastructure, and buildings
- Degraded aquatic environments
- Loss of recreational areas
- Interruptions to critical sectors
- Standing water / icing
- Expanding floodplain areas, and
- Clean-up / debris removal

Indirect Impacts

- Physical and mental health
- Economic impacts including:
 - Lost wages
 - Loss of mobility
 - Expenses for evacuating
 - Commercial loss of revenue
 - Closing of small businesses
 - Diversion of local funds / community resources

As storm events become more extreme in intensity, local flooding issues can become more significant threats to public safety and property. Most city parcels are fully developed, resulting in large areas of connected impervious cover. Storm events with intensities in the range of 1-inch in an hour have been observed to overwhelm City infrastructure and overtop stream banks, even in the upper portion of watersheds. High intensity storm events can also contribute to swift moving waters, i.e., flash flooding.

The Flood Insurance Rate Maps (FIRMettes) highlighting the specific flood zone (AE) within the city are provided in **Attachment 11**. FEMA estimates there are approximately 340 structures in the flood high hazard area. There are approximately 94 flood insurance policies in force, and 73 of those are for single family homes. The 13 repetitive loss properties have filed claims for losses totaling \$322,000. Additional historical flood damage data and images are provided in **Attachment 12**. A statement by a Certified Floodplain Manager on the proximity to floodplains is provided in **Attachment 13**.

h. Groups who might directly benefit from this flood risk reduction effort.

Implementing a comprehensive floodplain management program and flood resilience plan that takes climate change into consideration would significantly benefit Charlottesville City residents in several ways:

- Enhanced Community Safety: By assessing the existing infrastructure and proposing mitigation efforts, the resilience plan would ensure the safety and security of the city's residents, especially those most vulnerable to the impacts of flooding.
- Sustainable Economic Stability: A comprehensive floodplain management program would help to

promote mitigation, adaptation, and resilience measures that safeguard commercial activities and the local economy which helps to sustain the region's economic vitality.

i. What would happen (or not happen) if the applicant does not receive funding.

Without the funding, the City will continue to meet basic regulatory requirements for floodplain management. However, it will be unlikely that the City has the capacity or capability to improve the program to be more robust, comprehensive, or efficient. In addition, the City will be limited in fully activating and implementing the actions recommended in the Flood Resilience Plan.

j. Alternatives analysis of the viability of the project, how selected project reduces risk to populations at risk of flooding. Provide examples of current or previous related projects, data, outcomes etc. that justify the approach chosen. Include how long and how much protection to be achieved.

N/A; this project is capacity building and planning.

2. Goals and Objectives:

a. Goals should be listed as an outcome or result and solve the problem or need identified.

Goal 1: Deliver a robust future-forward floodplain management program that implements the recommendations in the City's Flood Resilience Plan to proactively address flooding related challenges resulting from or exacerbated by climate change.

b. Objectives must be specific, measurable and timebound.

Objective 1: Build a robust floodplain management program.

Objective 2: Identify, prioritize, and implement projects and policies.

Objective 3: Establish funding strategies to implement plans and projects.

Objective 4: Address new and emerging flooding related challenges.

Planning activities will address the Resilience Plan Requirements provided by DCR in the Grant Manual under Appendix F. The updated Flood Resilience Plan will be submitted to DCR to certify that it has met the minimum requirements and that the City is now eligible to apply to the fund for grants and/or loans under the project category.

c. Objectives be achievable within the agreement period.

The published grant period of performance for projects is five years. All objectives and goals will be achieved within the grant contract period. The City intends to use the funds to procure a third-party consultant for a three-year period. The City is evaluating cooperative procurement opportunities to expedite consultant on-boarding and project startup.

3. Work Plan:

a. What are the major activities and tasks?

The first major activity is to hire an expert consultant to assist the City in meeting the objectives. The proposed scope of work for the consultant includes components such as working with City staff to establish a program baseline (document existing roles, responsibilities, policies, and procedures), conducting a gap analysis and identifying and developing opportunities for improvement, and implementing the identified changes. The scope also includes working with City staff to align related programs, plans, policies, and project lists; evaluate other opportunities, such as becoming a Community Rating System community; identifying funding for implementing projects; and cooperating with other jurisdictions in the Rivanna River watershed. Additional potential tasks identified to date to meet each objective are provided in **Attachment 14**. If this proposal is funded, the list of tasks will be fine-tuned based on work completed prior to hiring a consultant and the recommendations from potential consultants on the most beneficial tasks necessary to reach the objectives and overall goal.

b. Who is responsible for completing the activities and tasks?

The City's Office of Community Solutions will manage the funding contract. The City's Office of Sustainability staff will lead the effort to hire a third-party contractor and manage the consultant services contract. The contractor will be responsible for completing the proposed activities and tasks.

c. What is the timeframe for accomplishing activities and tasks?

We understand that activities must commence within 12 months of the agreement date and must be completed within 5 years. The full project aims to be completed in 3 years, with interim milestones during that period.

d. Identify the required partners and where they are represented in the workplan.

Required partners are referenced as "work with City staff" on activities in the workplan. They include these City entities:

- Neighborhood Development Services (NDS)
- Department of Utilities
- Department of Public Works (PW)
- Department of Parks and Recreation Department
- Office of Emergency Management
- Office of Sustainability

Potential partners or stakeholders may also be included in "work with City staff". These include other City departments, offices, boards, etc.

e. Deliverables

Milestone deliverables in the evolution of the floodplain management program will include:

- Meeting agendas, attendance lists, discussion materials, and notes
- Summaries of current roles, responsibilities, policies, and procedures
- Results of the gap analysis

- Recommended improvements to the program and performance indices
- Report on improved program outcomes and performance metrics
- Updated policies, plans, and procedures
- Prioritized list of recommended projects
- Report on evaluation of participation in the Community Rating System
- Updated Flood Resilience Plan
- Funding strategy

The deliverables will be submitted as completed to DCR with regular reporting and within 90 days of the completion of awarded activities per the grant contract.

f. Maintenance plan tied to the identified viability of the project. Plan for sustaining the project after the agreement period (if applicable).

This proposal is not for a constructed project, so a physical maintenance plan is not required. However, the floodplain management program will include standard operating procedures and requirements for performance evaluations, reporting, and updates.

4. Evaluation

a. Indicators of success.

The following items are indicators of success:

- Timely review of floodplain permit submissions, FEMA Letters of Map Changes, and site plans for development within flood zones.
- Clearly defined roles, responsibilities, and procedures for the program.
- Identification of relevant flood protection solutions.
- Development of costs for implementing and managing/maintaining each potential solution.
- Identification of funding and a funding strategy.

b. Data that will be collected and how the data will be used to measure success.

The following data points may be collected to measure progress on the specific activities in the final scope of work:

- Feedback, input, and concerns from partners throughout the planning process is important to ensure their needs and priorities are considered and addressed.
- Number of program improvements implemented (policy and procedure updates).
- Number of flood mitigation projects identified as priorities for implementation.
- Number of future flooding incidents to evaluate the effectiveness of the implemented flood risk reduction measures.
- Number of community outreach activities.

c. How was cost effectiveness evaluated and measured against the expected outcomes?

Monitoring the timeline and expenses associated with the evolution of the program will help to ensure it stays on schedule and within budget.

- d. What products, services, meetings, outreach efforts etc. will be conducted and how will success be measured?**

The meetings and outreach will occur among City staff to engage them in co-creating and implementing improvements to the program. Success will be measured by staff satisfaction with the resulting program and potential synergies and cost-savings recorded.

- e. Project progress monitoring plan to ensure project meets the requirements of the agreement and is delivered on time. Outline how delays or other findings may be used to modify or improve outcomes/deliverables.**

Progress will be monitored monthly by comparing the actual progress to the anticipated progress in the original project schedule. Progress will be reported quarterly to DCR along with a reimbursement invoice in compliance with the terms of the grant contract. Explanations for discrepancies in anticipated and actual progress will be provided along with corrective action steps and/or a request to revise the project schedule. Project delays may result in a request to extend the deadline. Other findings that may impact outcomes, deliverables, and the schedule will be described. We understand that activities must commence within 12 months of the agreement date and must be completed within 5 years. The final reimbursement request will be submitted to DCR within 90 days of the project completion date in compliance with the grant contract.

Supporting Documents for Capacity Building & Planning Applications

5. Assess capacity and planning needs to include financial, human, technical assistance and training.

- a. Resource need identification: describe identified resource needs including financial, human, technical assistance, and training needs.**

Human capacity and expertise are needed to take a look at City-wide operation of the floodplain management program and its relationship to other related programs. City staff have expertise, but they are generally working at full capacity in their different departments. The human capacity need is for an expert to look among the different departments – that is why the lead contact for this grant funding is in the Office of Sustainability who will be coordinating across the internal stakeholders.

- b. Development of Existing or New Staff: 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 with of expert consultants or advisors.**

City staff plan to contract with expert consultants to conduct this work. Contracting with a consultant for this work is the most financially responsible method to complete this short-term project and avoid creating unsustainable staff expenses. The consultant will facilitate co-creation of program improvements and next steps with City staff to increase staff expertise, capabilities, and City-wide knowledge of flood resilience. The consultant will train staff on changes to roles, responsibilities, and procedures. Additional training or hiring may be identified and recommended as a result of review of roles and responsibilities and the gap analysis.

- c. Resource development strategies: where capacity is limited by funding this may include working with non-governmental organizations, applying for grants, loans, or other funding sources (this may include work with non-governmental organization, or applying for grants, loans, or other funding sources).**

City staff do not have the current capacity to evolve the program. Financial resources are needed to hire subject matter expertise to conduct and support this work. Improvements to the floodplain management program will be completed under this grant.

During the proposed work, the consultant will develop a financial strategy identifying additional funding needs and sources, implementing programmatic strategies and infrastructure projects, and eventual Flood Resilience Plan updates. City staff will utilize the plan to apply for funding for the prioritized activities.

- d. Policy management and/or development: describe policy management and/or development plans.**

Reviewing and updating policies and developing new policies, if needed, are activities in the consultant's scope of work to improve alignment among programs and program operations.

- e. Stakeholder identification, outreach, and education strategies: describe plans for stakeholder identification, outreach, and education strategies.**

The key stakeholders are the City entities identified as required partners above. They will be engaged in meetings and program improvements. They will be trained on new procedures and as necessary to support success in their assigned roles and responsibilities.

The work conducted under this funding will impact City plans and programs that will lead to a future need for additional and extended stakeholder identification, outreach, and education strategies with community groups and the public. For example, the flood risks identified from new data, revised list of project priorities, and the project implementation plan will eventually need to be shared with stakeholders.

Scoring Criteria for Capacity Building & Planning

Criterion	Point Value	Points Awarded
1. Eligible Capacity Building and Planning Activities (Select all that apply) (Up to 100 points)		
Development of a new resilience plan.	95	0
Revisions to existing resilience plans and integration of comprehensive and hazard mitigation plans.	60	60
Resource assessments, planning, strategies, and development.	40	40
Policy management and/or development.	35	35
Stakeholder engagement and strategies.	35	35
Goal planning, implementation, and evaluation.	25	25
Long term maintenance strategy.	25	25
Other proposals that will significantly improve protection from flooding on a statewide or regional basis.	15	15
Total	100	100
2. Social Vulnerability Index Score (Up to 10 points)		
Very High Social Vulnerability (More than 1.5)	10	0
High Social Vulnerability (1.0 to 1.5)	8	8
Moderate Social Vulnerability (0.0 to 1.0)	5	5
Low Social Vulnerability (-1.0 to 0.0)	0	0
Very Low Social Vulnerability (Less than -1.0)	0	0
Total	10	10
3. Community scale benefits? (Up to 30 points)		
More than one census block	30	30
50-100% of census block	25	0
25-49% of census block	20	0
Less than 25% of census block	0	0
Total	30	30
4. Remedy for NFIP probation or suspension?		
Yes	5	0
No	0	0
5. Proposed project part of a low-income geographic area?		
Yes	5	5
No	0	0
Total Points (Up to 150)		145

Attachments

- Attachment 1. Authorization and Match Pledge
- Attachment 2. Letter from DCR on low-income status 1-2-2025
- Attachment 3. Census Block Table
- Attachment 4. Census Block Map
- Attachment 5. Map of Project Area
- Attachment 6. City Floodplain Ordinance
- Attachment 7. TJPDC Hazard Mitigation Plan 2018
- Attachment 8. Comprehensive Plan Document 2021
- Attachment 9. ConserveVirginia Maps
- Attachment 10. Social Vulnerability Indices
- Attachment 11. FIRMettes
- Attachment 12. Flood Damage Data
- Attachment 13. Proximity to Floodplain
- Attachment 14. Consultant Scope of Work (Proposed draft)