



Grant Routing Sheet

\*COMPLETED GRANT OVERVIEW PROPOSAL MUST BE ATTACHED BEFORE ROUTING IS INITIATED\*

Date Routing Initiated: \_\_\_\_\_ Application Due Date: \_\_\_\_\_

Originating Department: \_\_\_\_\_ Department No.: \_\_\_\_\_

Submitter's Name: \_\_\_\_\_ Direct Telephone No. (\_\_\_\_) \_\_\_\_\_

E-mail Address: \_\_\_\_\_

Grant Title: \_\_\_\_\_

Other Participating Departments: \_\_\_\_\_

**BEFORE COMPLETING AN APPLICATION:**

- 1. READ THE GENERAL INSTRUCTIONS. \_\_\_\_\_ (Submitter's Initials)
2. COMPLETE GRANT PROPOSAL OVERVIEW. \_\_\_\_\_ (Submitter's Initials)
3. DEPARTMENT HEAD ORIGINATING DEPT. \_\_\_\_\_ Print Name \_\_\_\_\_ Signature \_\_\_\_\_ Date
4. ASSISTANT CITY MANAGER \_\_\_\_\_ Print Name \_\_\_\_\_ Signature \_\_\_\_\_ Date

**BEFORE SUBMITTING AN APPLICATION TO THE AWARDING AGENCY:**

- 5. PREPARE INITIAL DOCUMENTATION PACKAGE FOR REVIEW TO INCLUDE (EITHER HARD COPY OR ELECTRONIC): ALL DOCUMENTS RELATED TO THE GRANT, INCLUDING, BUT NOT LIMITED TO INSTRUCTIONS, ATTACHMENTS, EXHIBITS, GRANT DOCUMENTS, PRIMARY GRANT (IF SUBAWARDEE). \_\_\_\_\_ (Submitter's Initials)
6. COMPLETE APPLICATION EXCEPT NECESSARY SIGNATURES. \_\_\_\_\_ (Submitter's Initials)
7. CITY ATTORNEY \_\_\_\_\_ Print Name \_\_\_\_\_ Signature \_\_\_\_\_ Date
8. BUDGET DIVISION \_\_\_\_\_ Print Name \_\_\_\_\_ Signature \_\_\_\_\_ Date
9. HUMAN RESOURCES \_\_\_\_\_ Print Name \_\_\_\_\_ Signature \_\_\_\_\_ Date

10. FINANCE DEPARTMENT

\_\_\_\_\_  
Print Name

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

11. RISK MANAGEMENT

\_\_\_\_\_  
Print Name

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

**AFTER GRANT IS AWARDED:**

- ✓ After the grant award has been received, and if there no changes to the application or condition(s), the grant may now be placed in Granicus for City Council action.
- ✓ Reference "Quick Tips for Submitting Grants - City Council Agenda"



If there are **ANY** changes to **ANY** component of the grant, consult with your department's City Attorney for advice on whether to re-route the grant for second approval or continue with the placement of the grant on the Council agenda.

## Heaps, Carolyn

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**From:** Green, Lori  
**Sent:** Friday, September 3, 2021 8:48 AM  
**To:** Bryson, Jasmine; Heaps, Carolyn  
**Subject:** RE: 2021 Virginia Community Flood Preparedness Fund Grant Packet for Review & Approval: Honor Park Resilience Project

Dear Jasmine,

Forgive the delay 😊

Budget approves.

Thank you.

Lori Green | Budget Manager | Direct Dial: (757) 727-6870



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**From:** Bryson, Jasmine  
**Sent:** Wednesday, September 1, 2021 8:11 AM  
**To:** Daughtrey, Karl <kdaughtrey@hampton.gov>; DeProfio, Brian <bdeprofio@hampton.gov>; Drewry, Tim <tim.drewry@hampton.gov>; Green, Lori <lgreen@hampton.gov>; Kmetz, Veronica <veronica.kmetz@hampton.gov>  
**Cc:** Mitchell, Jason L. <jmitchell@hampton.gov>; Smith, Scott <scott.smith@hampton.gov>; Lewis, Brian <brian.lewis@hampton.gov>; Heaps, Carolyn <carolyn.heaps@hampton.gov>  
**Subject:** 2021 Virginia Community Flood Preparedness Fund Grant Packet for Review & Approval: Honor Park Resilience Project

Good Morning All,

Thank you to everyone who have responded already and approved the Honor Park Resilience Park Project application/proposal. Please find a moment to review the attached application from Public Works for the Department of Commerce & Recreation 2021 Virginia Community Flood Preparedness Grant funding. Once you have reviewed and approved of everything attached, please sign the Grant Routing Form and return it to me via email. You may also give your written approval via email to save time. **Please approve and sign before tomorrow, September 2, 2021.**

The Honor Park Resilience Park (HPRP) will consist of the transformation of the existing Honor Park located between Hampton City Hall and The Hampton Public Safety Building into the Honor Park Resilience Park. The property is owned by the City of Hampton. The HPRP will be designed in accordance with the City of Hampton Resilience Plan to holistically demonstrate Hampton’s resilience strategies of managing water, utilizing the concepts of Slow, Store, Redirect and Adapt outlined in the Living with Water Hampton: A Holistic Approach to Addressing Sea Level Rise and Resiliency and improving the quality of life in Hampton. Nature based and green infrastructure will be utilized in this project to meet the project goals and objectives.

The project has been conceptually designed. The total project costs are estimated at \$3,335,650 for the design and construction of this project. This proposal will advance the design from Conceptual thru 50% Preliminary Engineering Design which will include geotechnical testing to verify the project viability prior to committing to full project implementation. This proposal is requesting \$184,993.00 for the Preliminary Engineering of the project thru 50%. The City of Hampton will be responsible for a 20% match of the cost of the project, which is \$36,998.60. And the Virginia Department of Conservation and Recreation (VDNR) will cover 80% of the cost which is \$147,994.40.

Should you have questions regarding the 2021 Virginia Community Flood Preparedness Fund (CFPF): The Honor Park Resilience Project (HPRP), please contact myself or Scott Smith.

Thank you for your time and assistance!

*Jasmine Bryson*

Grant Writer/PR  
Public Works Department  
City of Hampton  
22 Lincoln Street  
Hampton, VA 23669  
(757) 755-1851  
#choosehampton



*Jasmine Bryson*

Grant Writer/PR  
Public Works Department  
City of Hampton  
22 Lincoln Street  
Hampton, VA 23669  
(757) 755-1851

## Heaps, Carolyn

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**From:** Bryson, Jasmine  
**Sent:** Friday, September 3, 2021 2:31 PM  
**To:** Heaps, Carolyn; Smith, Scott  
**Subject:** Re: 2021 Virginia Community Flood Preparedness Fund Grant Routing Today

Just got Tim's approval. Let's submit this thing already lol.

Thank you Carolyn!

Jasmine Bryson  
Grant Writer/ PR  
Public Works Department  
City of Hampton  
22 Lincoln Street  
Hampton, VA 23669  
Desk: (757) 755-1851  
#choosehampton

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**From:** Drewry, Tim <tim.drewry@hampton.gov>  
**Sent:** Friday, September 3, 2021 2:29:08 PM  
**To:** Bryson, Jasmine <jbryson@hampton.gov>  
**Subject:** RE: 2021 Virginia Community Flood Preparedness Fund Grant Routing Today

I reviewed as to legal matters and I approve.

-- Tim



*Timothy W. Drewry*  
*Deputy City Attorney*  
*City of Hampton*  
*22 Lincoln Street*  
*Hampton, VA 23669*  
*P: (757) 727-6127*  
*F: (757) 727-6788*

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**From:** Bryson, Jasmine <[jbryson@hampton.gov](mailto:jbryson@hampton.gov)>  
**Sent:** Friday, September 3, 2021 9:06 AM  
**To:** Drewry, Tim <[tim.drewry@hampton.gov](mailto:tim.drewry@hampton.gov)>  
**Subject:** Re: 2021 Virginia Community Flood Preparedness Fund Grant Routing Today

Good Morning Tim,

Just checking in to see if you approve of our grant proposals. I made all the changes you suggested and Bonnie is already helping us with the letter for Mary to sign. I am out of the office, but watching my email, so please let me know as soon as you can. The deadline is today at 3pm.

Thank you,

Jasmine Bryson  
Grant Writer/ PR  
Public Works Department  
City of Hampton  
22 Lincoln Street  
Hampton, VA 23669  
Desk: (757) 755-1851  
#choosehampton

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**From:** Bryson, Jasmine  
**Sent:** Monday, August 30, 2021 3:07:46 PM  
**To:** Drewry, Tim <[tim.drewry@hampton.gov](mailto:tim.drewry@hampton.gov)>  
**Subject:** 2021 Virginia Community Flood Preparedness Fund Grant Routing Today

Hi Again Tim,

I just updated the other narrative with some of the same mistakes – Capitalizing for emphasis. 😊

*Jasmine Bryson*  
Grant Writer/PR  
Public Works Department  
City of Hampton  
22 Lincoln Street  
Hampton, VA 23669  
(757) 755-1851  
#choosehampton



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**From:** Bryson, Jasmine  
**Sent:** Monday, August 30, 2021 2:54 PM  
**To:** Drewry, Tim <[tim.drewry@hampton.gov](mailto:tim.drewry@hampton.gov)>  
**Subject:** RE: 2021 Virginia Community Flood Preparedness Fund Grant Routing Today

Hi Tim,

Just kidding – Hit the sent button by accident. I have made the corrections and Scott added capitals to certain things for emphasis. The list of information under some of the water quality requires are capitalized on purpose. And I added the correct hyperlink for the community plan.

*Jasmine Bryson*

Grant Writer/PR  
Public Works Department  
City of Hampton  
22 Lincoln Street  
Hampton, VA 23669  
(757) 755-1851  
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---

**From:** Drewry, Tim <[tim.drewry@hampton.gov](mailto:tim.drewry@hampton.gov)>  
**Sent:** Monday, August 30, 2021 2:34 PM  
**To:** Bryson, Jasmine <[jbryson@hampton.gov](mailto:jbryson@hampton.gov)>  
**Subject:** RE: 2021 Virginia Community Flood Preparedness Fund Grant Routing Today

Hey Jasmine,

I reviewed one of the narratives and made some comments. I have not review the other yet but will do so when I get a chance. Please see attached. Give me a call if you want to discuss.

-- Tim



*Timothy W. Drewry*  
*Deputy City Attorney*  
*City of Hampton*  
*22 Lincoln Street*  
*Hampton, VA 23669*  
*P: (757) 727-6127*  
*F: (757) 727-6788*

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**From:** Bryson, Jasmine <[jbryson@hampton.gov](mailto:jbryson@hampton.gov)>  
**Sent:** Monday, August 30, 2021 11:46 AM

**To:** Drewry, Tim <[tim.drewry@hampton.gov](mailto:tim.drewry@hampton.gov)>

**Subject:** 2021 Virginia Community Flood Preparedness Fund Grant Routing Today

Hi Tim,

I know you are super busy, but I wanted to prepare you for the 2021 Virginia Community Flood Preparedness Fund Grant. CDD as well as PW are working to route these grants and get Mary's signature before the deadline on Sept. 3<sup>rd</sup> at 3pm. It is a very tight time frame, but I just narratives back from Engineering. I hope you can help me push this along, so let me know what you think.

Thank you,

*Jasmine Bryson*

Grant Writer/PR

Public Works Department

City of Hampton

22 Lincoln Street

Hampton, VA 23669

(757) 755-1851

#choosehampton





## Heaps, Carolyn

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**From:** Kmetz, Veronica  
**Sent:** Tuesday, August 31, 2021 9:59 AM  
**To:** Bryson, Jasmine; Daughtrey, Karl; Green, Jennifer; DeProfio, Brian; Drewry, Tim; Green, Lori  
**Cc:** Mitchell, Jason L.; Smith, Scott; Lewis, Brian; Heaps, Carolyn  
**Subject:** RE: 2021 Virginia Community Flood Preparedness Fund Grant Packet for Review & Approval: Honor Park Resilience Project

Finance approves.

Thanks.

**Veronica A. Kmetz**  
Finance Department  
**Phone:** 757-727-6331



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**From:** Bryson, Jasmine <jbryson@hampton.gov>  
**Sent:** Monday, August 30, 2021 1:44 PM  
**To:** Daughtrey, Karl <kdaughtrey@hampton.gov>; Green, Jennifer <jcgreen@hampton.gov>; DeProfio, Brian <bdeprofio@hampton.gov>; Drewry, Tim <tim.drewry@hampton.gov>; Green, Lori <lgreen@hampton.gov>; Kmetz, Veronica <veronica.kmetz@hampton.gov>  
**Cc:** Mitchell, Jason L. <jmitchell@hampton.gov>; Smith, Scott <scott.smith@hampton.gov>; Lewis, Brian <brian.lewis@hampton.gov>; Heaps, Carolyn <carolyn.heaps@hampton.gov>  
**Subject:** 2021 Virginia Community Flood Preparedness Fund Grant Packet for Review & Approval: Honor Park Resilience Project

Good Afternoon All,

Public Works and Community Development are working together to submit several projects for the Department of Commerce & Recreation 2021 Virginia Community Flood Preparedness Grant funding. Though we are working together, we are submitting applications separately for the City. Public Works will be submitting two project proposals; The Mill Point Living Shoreline (MPLS) Project and The Honor Park Resilience Park (HPRP) Project.

See the first packet attached above please, The Honor Park Resilience Park (HPRP), for all approving parties to review and approve. The package includes the Grant Proposal Overview Form, Grant Routing Form, full application including project costs and project narrative. Once you have reviewed and approved of everything attached, please sign the Grant Routing Form and return it to me via email. You may also give your written approval via email to save time. **Please approve and sign before September 2, 2021. Sorry for the short notice, but we just got all the information we needed to submit a full proposal by September 3, 2021.**

The Honor Park Resilience Park (HPRP) will consist of the transformation of the existing Honor Park located between Hampton City Hall and The Hampton Public Safety Building into the Honor Park Resilience Park. The property is owned by the City of Hampton. The HPRP will be designed in accordance with the City of Hampton Resilience Plan to holistically demonstrate Hampton's resilience strategies of managing water, utilizing the concepts of Slow, Store, Redirect and Adapt outlined in the Living with Water Hampton: A Holistic Approach to

Addressing Sea Level Rise and Resiliency and improving the quality of life in Hampton. Nature based and green infrastructure will be utilized in this project to meet the project goals and objectives.

The project has been conceptually designed. The total project costs are estimated at \$3,335,650 for the design and construction of this project. This proposal will advance the design from Conceptual thru 50% Preliminary Engineering Design which will include geotechnical testing to verify the project viability prior to committing to full project implementation. This proposal is requesting \$184,993.00 for the Preliminary Engineering of the project thru 50%. The City of Hampton will be responsible for a 20% match of the cost of the project, which is \$36,998.60. And the Virginia Department of Conservation and Recreation (VDNR) will cover 80% of the cost which is \$147,994.40.

Should you have questions regarding the 2021 Virginia Community Flood Preparedness Fund (CFPF): The Honor Park Resilience Project (HPRP), please contact myself or Scott Smith.

Thank you for your time and assistance!

*Jasmine Bryson*

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Public Works Department  
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*Jasmine Bryson*

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## Grant Proposal Overview

**\*COMPLETED GRANT OVERVIEW PROPOSAL MUST BE ATTACHED TO THE GRANT ROUTING SHEET BEFORE ROUTING IS INITIATED\***

Grant Title: \_\_\_\_\_

1. **PRIMARY OR SUB-AWARD:** Application will be submitted to:  the agency that is the primary source of funding (City = Primary Awardee);  the agency that has received the funds from another awarding agency (City = Sub-Awardee).

If the City is a Sub-Awardee, the agreement between the Primary Awardee and the agency to which the City is making application must be attached to this Overview.

2. **GRANT AWARD PERIOD:** If awarded, funds are expected to be received:  in the current fiscal year only;  in the current fiscal year and the future fiscal year(s) of \_\_\_\_\_ or  in the future fiscal year(s) of \_\_\_\_\_.

3. **PREVIOUS APPLICATIONS:** (Not including the current application) This grant was previously applied for during \_\_\_\_\_ fiscal year(s); and was previously awarded during \_\_\_\_\_ fiscal year(s).

If previously awarded, provide all prior agenda items numbers and dates of Council approval.

4. **BACKGROUND/PURPOSE:**

**5. TYPE OF GRANT EXPECTED TO BE AWARDED:**

Cash Amount \$ \_\_\_\_\_

Non-Cash (Describe): \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**6. FINANCIAL OBLIGATIONS:**

a. **Current Financial Obligations:** This grant will  will not  **require** matching funds/contributions. If so, please indicate in the space below the amount and whether the match is cash or in-kind, or both.

Required Match – CASH

Required Match – IN KIND

Amount: Cash \$ \_\_\_\_\_

\*Value of In-Kind \$ \_\_\_\_\_

\* Description:

\_\_\_\_\_

b. **Future Financial Obligations:** This proposal will  will not  incur commitments or financial obligations for the City beyond the grant period. If it will, an authority memorandum from the City Manager’s Office-Budget Division estimating future matching requirements and the time period must be attached to this Overview.

c. **Resource Obligations:** This proposal will  will not  require special facilities, equipment and/or services provided by the City. If it will, summarize arrangements in a separate memorandum and attach to this Overview.

**7. Sources of Grant and Matching Funds:**

Please identify the funding source of your grant and any required or non-required matches.

- For Federal grants, please provide the Federal Catalog Number (CFDA) and the grant number.
- For State grants, the grant number must be supplied.
- All grant matches must be supplied by the submitting department, unless they have historically received a contribution/match from the City’s Matching Funds Pool or a special arrangement has been made with the City Manager’s Office-Budget Division.
- If another City department, other than the submitting department, will be providing a funding or in-kind match, documentation to that effect must be submitted along with this grant packet.

Federal \$ \_\_\_\_\_  
Pass Through \$ \_\_\_\_\_  
State \$ \_\_\_\_\_  
Foundation \$ \_\_\_\_\_  
Private \$ \_\_\_\_\_

Federal Catalog No. \_\_\_\_\_  
Federal Grant No. \_\_\_\_\_  
State Grant No. \_\_\_\_\_

**b. Source of Matching Funds\*** (Please check all that apply.)

Department: \_\_\_\_\_  
 Budget Line-Item: \_\_\_\_\_ Amount: \_\_\_\_\_  
 Budget Line-Item: \_\_\_\_\_ Amount: \_\_\_\_\_  
 Budget Line-Item: \_\_\_\_\_ Amount: \_\_\_\_\_

*\*If you are listing a department funding source other than your department, the Budget Division will need written authorization of agreement to withdraw these funds.*

**8. Proposed Budget:**

	<u>City Department-Match</u>			<u>Other Match(es)</u>	
	Grant Total	Cash	In-Kind	Cash	In-Kind
Personnel Svcs					
Operating Exp.					
Capital Outlay					
<b>Column Totals</b>					

**Grand Total:** \_\_\_\_\_

**9. Additional information that will be helpful to reviewers:**



September 3, 2021

Virginia Department of Conservation and Recreation  
Attention: Virginia Community Flood Preparedness Fund  
Division of Dam Safety and Floodplain Management  
600 East Main Street, 24th Floor  
Richmond, Virginia 23219

To whom it may concern:

On behalf of the City of Hampton, I authorize the request for funding for three grant proposal submissions to the Virginia Community Flood Preparedness Fund: Honor Park Resilience Project; Mill Point Living Shoreline; and Downtown Hampton, Phoebus, and Buckroe Beach Water Plan.

If awarded, and subject to execution of a grant agreement, the City of Hampton pledges its commitment to provide funding to meet the match requirement established by the 2021 Grant Manual for the fund. City funds have been budgeted and appropriated for Fiscal Year 2022 ending June 30, 2022. As the City's grant application provides, such matching fund will be provided for each project in the following amounts:

- **Honor Park Resilience Project:** The City of Hampton will provide \$36,998.60, a 20% match based on the project total cost of \$184,993.00.
- **Mill Point Living Shoreline:** The City of Hampton will provide \$31,700, a 20% match based on the project total cost of \$158,500.
- **Downtown Hampton, Phoebus and Buckroe Beach Water Plan:** The City of Hampton has already allocated funding for this plan in the amount of \$89,500, which is approximately a 36.7% match based on the total project cost of \$244,125.

We appreciate this opportunity to seek funding in support of our ongoing efforts to increase Hampton's resilience and preparedness for flooding impacts.

Sincerely,

A handwritten signature in black ink, appearing to read "Mary B Bunting", written in a cursive style.

Mary B Bunting  
City Manager, City of Hampton



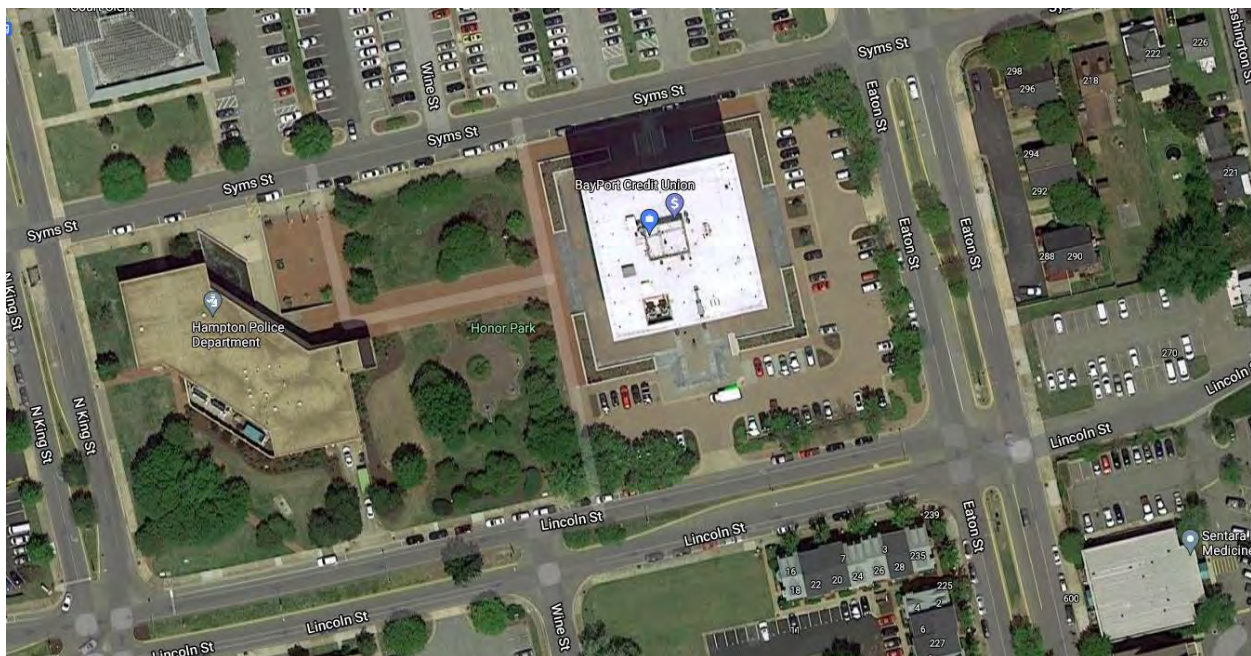
## **Honor Park Resilience Park**

The Honor Park Resilience Park (HPRP) will consist of the transformation of the existing Honor Park located between Hampton City Hall and The Hampton Public Safety Building into the Honor Park Resilience Park. The property is owned by the City of Hampton. The HPRP will be designed in accordance with the **City of Hampton Resilience Plan** to holistically demonstrate Hampton’s resilience strategies of managing water, utilizing the concepts of Slow, Store, Redirect and Adapt outlined in the **Living with Water Hampton: A Holistic Approach to Addressing Sea Level Rise and Resiliency** and improving the quality of life in Hampton. Nature based and green infrastructure will be utilized in this project to meet the project goals and objectives.

The project has been conceptually designed. The total project costs are estimated at \$3,335,650 for the design and construction of this project. This proposal will advance the design from Conceptual thru 50% Preliminary Engineering Design which will include geotechnical testing to verify the project viability prior to committing to full project implementation. This proposal is requesting \$184,993.00 for the Preliminary Engineering of the project thru 50%.

## **Project Data**

This project is located at 22 Lincoln Street in Hampton, VA, population 131,686 (2025 projection Weldon Cooper Center.) The site is located in Census Tract 106.01 which is identified as low income opportunity zone and has a Social Vulnerability Index Score of 1.3 The project site is currently located in Flood zone AE-07 and X-500, Site elevations are 7-8’, NAVD 88. There is no information on flood damage history to the adjacent structures. There are no Repetitive Loss or Severe repetitive Loss properties in the project area. The adjacent structures are City Hall and The City Public Safety building. Both of this facilities are Critical Facilities that will benefit from the reduced surface flow on Lincoln Street and Syms Street.



*Project Site - 22 Lincoln Street, Hampton VA*

The total project construction costs will be \$3,335,647. Annual Maintenance costs are estimated at \$9,538. This project will provide water quality and quantity benefits and are eligible costs for The Stormwater Utility Fee. Construction and Maintenance will be paid with proceeds from the Stormwater Utility fee.

The City of Hampton's Floodplain Ordinance can be found at

[https://library.municode.com/va/hampton/codes/zoning?nodeId=CH9OVDI\\_ARTIVDILOZOOV](https://library.municode.com/va/hampton/codes/zoning?nodeId=CH9OVDI_ARTIVDILOZOOV)

The Regional Hazard Mitigation Plan is located on the Hampton Roads Planning Commission website at the following link. The Plan is currently in the process of the regularly scheduled update.

<https://www.hrpdcva.gov/library/view/620/2017-hampton-roads-hazard-mitigation-plan-and-appendices/>

The Current Hampton Community Plan (Comprehensive Plan) can be found at

<chrome-extension://efaidnbnmnibpcjpcglclefindmkaj/viewer.html?pdfurl=https%3A%2F%2Fhampton.gov%2FDocumentCenter%2FView%2F535%2F2011-community-plan-update%3FbidId%3D&clen=8574837>

## **Project Description**

The HPRP will consist of the transformation of the existing Honor Park into the Honor Park Resilience Park. The current park is located between Hampton City Hall and the Public Safety Building. The park commemorates the sacrifices of Hampton's Police Officers and Firefighters who bravely provided the ultimate sacrifice in the line of duty. This park also memorializes the sacrifices of Hamptonians who served in the World Wars and the Korean War. The new proposed park will keep the memorials intact and add resilience features to create a stormwater park that will redirect, slow store and utilize adaptations to create a multifunctional public space. Elements of the project will include a constructed wetlands and amphitheater type structure that is designed to store water during rain events, but at other times will serve as a performance area with open seating where people can gather on the grass, enjoy lunch, or exercise. The park will also replace existing paving with pervious pavers reducing runoff and providing more storage. This site will be showcased at Hampton's City Hall and demonstrate Hampton's commitment to resilience and demonstrate how resilience can be integrated into existing facilities and shows how community, resilience and recreation can be accommodated within existing public spaces.

The Honor Park Resilience Park project will consist of 24,000 SF of permeable pavers, including replacing approximately 14,000 SF of existing impervious paving around City Hall. The constructed wetlands, approximately 4,800 SF, will take water from the Lincoln Street collection system and provide treatment.





*Proposed Honor Park*

A pedestrian bridge/boardwalk over the constructed wetlands will provide connection between Lincoln Street and Syms Street along with a vista of the wetlands. Another feature of the Stormwater Park will be a turf grass storage structure, Approximately 4,700 SF that will act as an overflow storage area adjacent to the wetlands providing storage during rain events and a recreational area during drier periods. A concrete overflow structure will double as a performance stage within the storage basin. The area will be stepped to provide seating adding and increase the storage volume.



*Stage Store Area*

On the north side of the park, a combination of permeable pavers, approximately 10,000 SF, and approximately 14,500 SF of bio retention system will extend under the permeable pavers to enhance the storage volume. This system will take runoff from Syms Street to treat, store and release runoff. After the treated water leaves the Honor Park Resilience Park, it will head east along Syms Street and Lincoln Street to the Hampton River.



*Bio Retention/Arboretum*

Other alternatives considered include the city purchasing existing commercial property to create a storage facility. This will have the cost of excavation, demolition, and construction plus the loss of taxable revenue from property and sales taxes. Upgrading the collection system to increase pipe sizes to increase capacity has issues with cover over the pipes and existing utility conflicts.

### **Goals and Objectives**

This is a water quality and quantity project, Hampton’s Resilience strategies will be addressed as follows:

- Slow – water is being redirected from Syms Street and Lincoln Street, slowing the water by increasing the flow path the water will take, this increase the travel time which will have an overall peak runoff reduction at the outfall into the Hampton River. The addition of pervious pavers will also reduce the runoff produced.
- Store – the wetlands, Stage storage and bio retention will add storage to the Lincoln Street drainage system discharging runoff into the Hampton River.
- Redirect – Water will be redirected from Syms Street and Lincoln Street into the wetlands, bio retention and stage storage systems.
- Adapt – This project is a multi-dimensional exercise in adaptation. There are many community scale benefits, the stage storage area will double as an outdoor meeting and entertainment

venue, the wetlands and boardwalk demonstrate the concept of living with water and will provide an educational platform to demonstrate the importance of nature based solutions to the city's flooding issues. The bio retention arboretum will provide meeting places and shade, the trees will absorb the runoff and transpire it naturally back into the environment.

The Honor Park Resilience Park will be a signature feature demonstrating many techniques and practices that are scalable and usable throughout the City.

Water quality and storage are two other goals. The water quality goals will be critical to the City meeting its 40% reduction goals for the James River Watershed, for the Chesapeake Bay TMDL. This is a regulatory requirement of our DEQ MS-4 permit.

Water Quality: The nutrient reductions anticipated from the wetlands, pervious pavers and bio retention are:

Total Phosphorous - 2.75 (lbs/yr)

Total Nitrogen – 17.02 (lbs/yr)

Total Suspended Solids- 1,164.6 (lbs/yr)

Water Storage: The additional storage estimated

Wetlands – 2, 378 Gallons, 318 Cubic Feet

Stage storage Facility – 105,475 Gallons, 14,100 Cubic Feet

Bio retention – 795 Gallons – 5,947 Cubic Feet

Runoff Reduction

Wetlands – 2, 378 Gallons, 318 Cubic Feet

Bio-Retention – 8,510 Gallons, 1,138 Cubic Feet

Permeable Pavers – 11,889 Gallons, 1,589 Cubic Feet

The total project construction costs will be \$3,335,650. Annual Maintenance costs are estimated at \$9,538.

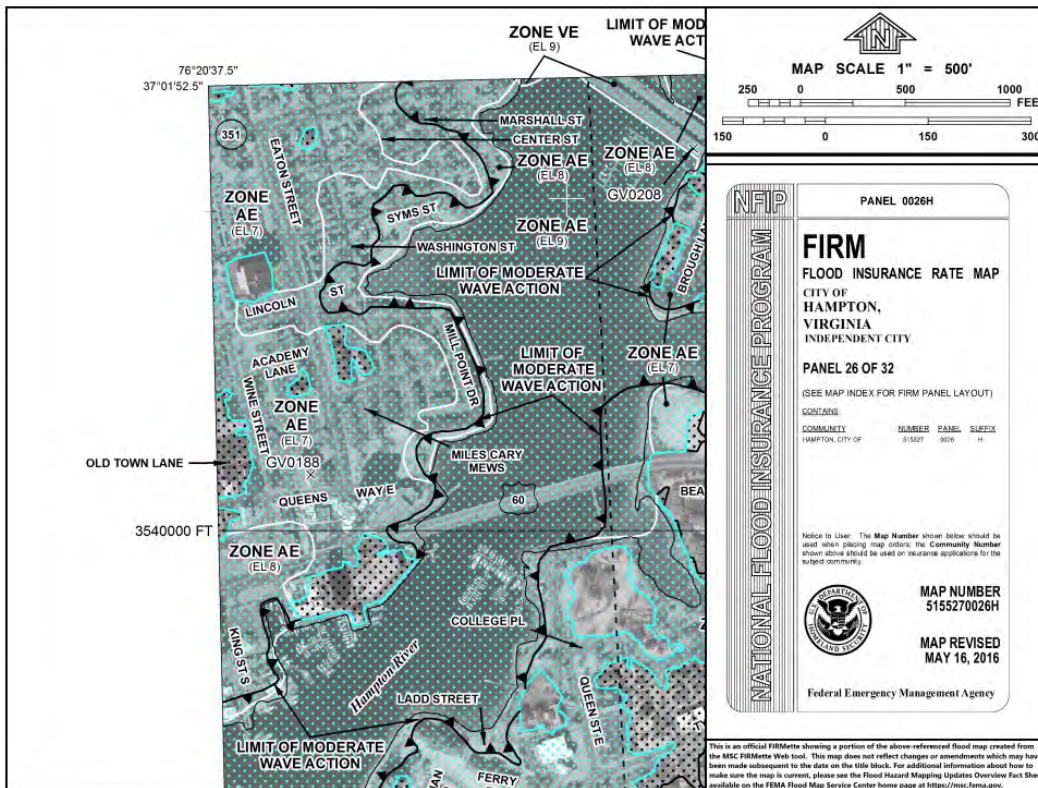
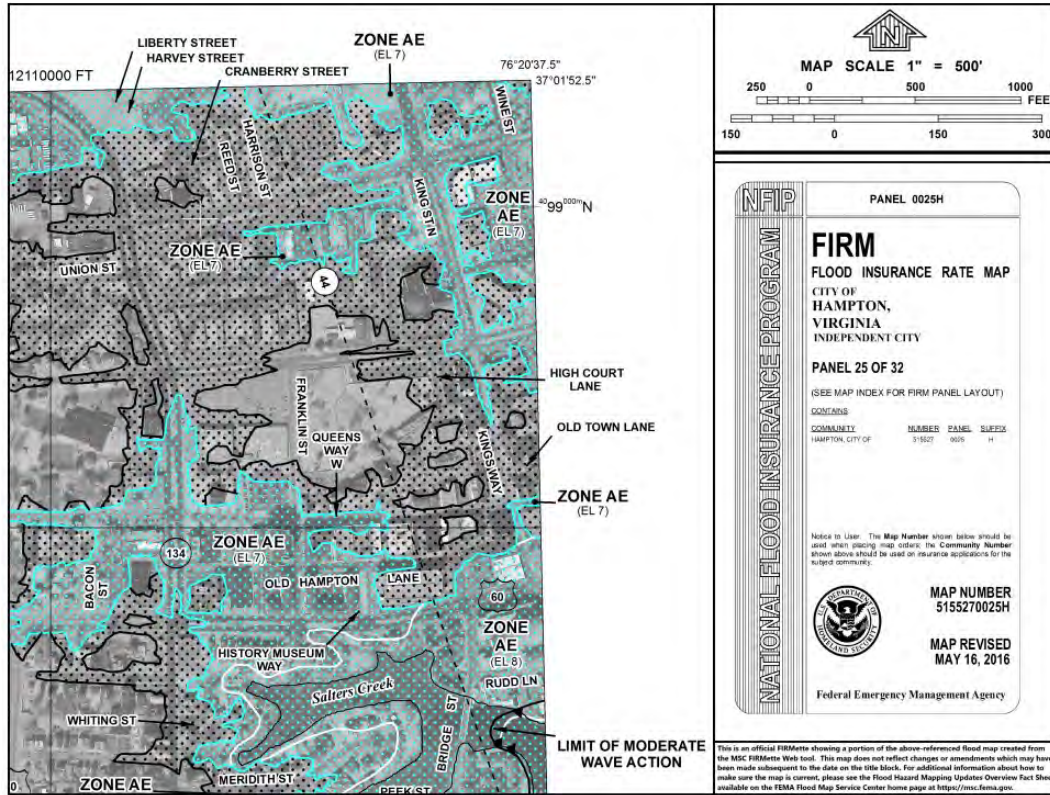
Maintenance costs for the project based on a fifty-year project life. The total Maintenance costs for the 50 year life of the project will be \$457,800. Maintenance will be the responsibility of the Hampton Public Works Department. It is anticipated that regular maintenance of the constructed wetlands will require yearly inspection, replacement of diseased or dead plant material, removal of litter and floatables. Maintenance of the permeable pavers will require regular vacuum sweeping, removal of any vegetation growing between the units and annual inspection to ensure settlement of the pavers does not result in trip hazards. Annual maintenance of the bio retention will require annual inspections to ensure water is not holding for extended periods, inspection of the trees for signs of distress, regular pruning of the trees and collection of leaf litter and debris. Additional bio retention soils will be required every 5 years as the trees grow and convert nutrients in the soil into biomass. These costs have been factored into the Annual maintenance costs and amortized over the 50 year project life.

Project Benefits were calculated annually and projected over the project's life. The total benefits of this project are \$1,177,342:

Environmental Services	\$ 81,500
Air Quality	\$ 25,910
Water Quality	\$ 32,517
Water Quality Nutrient Credit	\$ 277,200
Climate Reduced CO2	\$ 3,359
Reduced Grey Infrastructure costs	\$ 386,596
Recreational	\$ 283,140
<u>Aesthetic Quality</u>	<u>\$ 87,120</u>
Total	\$1,177,342



**Appendix A - FIRMettes**



**Appendix B – Social Vulnerability Index**

Virginia Vulnerability Viewer



# Appendix A: Application Form for Grant Requests for All Categories

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Virginia Department of Conservation and Recreation  
Virginia Community Flood Preparedness Fund Grant Program

Name of Local Government:

City of Hampton

Category of Grant Being Applied for (check one):

Capacity Building/Planning

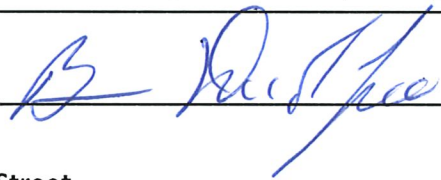
Project

Study

NFIP/DCR Community Identification Number (CID) 515527

If a state or federally recognized Indian tribe, Name of tribe \_\_\_\_\_

Name of Authorized Official: Brian DeProfio, Assistant City Manager

Signature of Authorized Official: 

Mailing Address (1): 22 Lincoln Street

Mailing Address (2): \_\_\_\_\_

City: Hampton                      State: Virginia                      Zip: 23669

Telephone Number: (757) 727-6392                      Cell Phone Number: (\_\_\_\_) \_\_\_\_\_

Email Address: bdeprofio@hampton.gov

**Contact Person (If different from authorized official):** Scott A. Smith, PE, LS

**Mailing Address (1):** 22 Lincoln Street

**Mailing Address (2):** \_\_\_\_\_

**City:** Hampton    **State:** Virginia    **Zip:** 23669

**Telephone Number:** ( 757 ) 727-6781    **Cell Phone Number:** ( 757 ) 771-1107

**Email Address:** Scott.smith@hampton.gov

Is the proposal in this application intended to benefit a low-income geographic area as defined in the Part 1 Definitions? Yes X No \_\_\_\_\_

**Categories (select applicable project):**

**Project Grants (Check All that Apply)**

- Acquisition of property (or interests therein) and/or structures for purposes of allowing floodwater inundation, strategic retreat of existing land uses from areas vulnerable to flooding; the conservation or enhancement of natural flood resilience resources; or acquisition of structures, provided the acquired property will be protected in perpetuity from further development.
- Wetland restoration.
- Floodplain restoration.
- Construction of swales and settling ponds.
- Living shorelines and vegetated buffers.
- Structural floodwalls, levees, berms, flood gates, structural conveyances.
- Storm water system upgrades.
- Medium and large scale Low Impact Development (LID) in urban areas.
- Permanent conservation of undeveloped lands identified as having flood resilience value by *ConserveVirginia* Floodplain and Flooding Resilience layer or a similar data driven analytic tool.
- Dam restoration or removal.
- Stream bank restoration or stabilization.
- Restoration of floodplains to natural and beneficial function.
- Developing flood warning and response systems, which may include gauge installation, to notify residents of potential emergency flooding events.



### **Study Grants (Check All that Apply)**

- Studies to aid in updating floodplain ordinances to maintain compliance with the NFIP or to incorporate higher standards that may reduce the risk of flood damage. This must include establishing processes for implementing the ordinance, including but not limited to, permitting, record retention, violations, and variances. This may include revising a floodplain ordinance when the community is getting new Flood Insurance Rate Maps (FIRMs), updating a floodplain ordinance to include floodplain setbacks or freeboard, or correcting issues identified in a Corrective Action Plan.
- Revising other land use ordinances to incorporate flood protection and mitigation goals, standards and practices.
- Conducting hydrologic and hydraulic studies of floodplains. Applicants who create new maps must apply for a Letter of Map Revision or a Physical Map Revision through the Federal Emergency Management Agency (FEMA). For example, a local government might conduct a hydrologic and hydraulic study for an area that had not been studied because the watershed is less than one square mile. Modeling the floodplain in an area that has numerous letters of map change that suggest the current map might not be fully accurate or doing a detailed flood study for an A Zone is another example.
- Studies and Data Collection of Statewide and Regional Significance.
- Revisions to existing resilience plans and modifications to existing comprehensive and hazard.
- Other relevant flood prevention and protection project or study.

### **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.

**Location of Project (Include Maps): 22 Lincoln Street, Hampton, VA 23669**

**NFIP Community Identification Number (CID#):(See appendix**

**F 515527**

**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):** AE07, X

**Flood Insurance Rate Map Number(s) (If Applicable):** 5155270025, 5155270026

**Total Cost of Project:** \$5,400,000 - Design and Construction

**Total Amount Requested** \$184,993.00 - 50% Design

# Appendix B: Scoring Criteria for Flood Prevention and Protection Projects

Virginia Department of Conservation and Recreation  
 Virginia Community Flood Preparedness Fund Grant Program

Applicant Name:		City of Hampton	
Eligibility Information			
Criterion	Description		Check One
<b>1. 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)?</b>			
Yes	Eligible for consideration		X
No	Not eligible for consideration		
<b>2. Does the local government have an approved resilience plan and has provided a copy or link to the plan with this application?</b>			
Yes	Eligible for consideration under all categories		X
No	Eligible for consideration for studies, capacity building, and planning only		
<b>3. If the applicant is <u>not</u> a town, city, or county, are letters of support from all affected local governments included in this application?</b>			
Yes	Eligible for consideration		
No	Not eligible for consideration		
<b>4. Has this or any portion of this project been included in any application or program previously funded by the Department?</b>			
Yes	Not eligible for consideration		
No	Eligible for consideration		X
<b>5. Has the applicant provided evidence of an ability to provide the required matching funds?</b>			
Yes	Eligible for consideration		X
No	Not eligible for consideration		
N/A	Match not required		

Project Eligible for Consideration		<input type="checkbox"/> Yes	<input type="checkbox"/> No
Applicant Name:	City of Hampton		
Scoring Information			
Criterion	Point Value	Points Awarded	
<b>6. Eligible Projects (Select all that apply)</b>			
Projects may have components of both 1.a. and 1.b. below; however, only one category may be chosen. The category chosen must be the primary project in the application.			
1.a. Acquisition of property consistent with an overall comprehensive local or regional plan for purposes of allowing inundation, retreat, or acquisition of structures.	50		
<input type="checkbox"/> Wetland restoration, floodplain restoration <input type="checkbox"/> Living shorelines and vegetated buffers. <input type="checkbox"/> Permanent conservation of undeveloped lands identified as having flood resilience value by <i>ConserveVirginia</i> Floodplain and Flooding Resilience layer or a similar data driven analytic tool <input type="checkbox"/> Dam removal <input type="checkbox"/> Stream bank restoration or stabilization. <input type="checkbox"/> Restoration of floodplains to natural and beneficial function. <input type="checkbox"/> Developing flood warning and response systems, which may include gauge installation, to notify residents of potential emergency flooding events.	45		
1.b. any other nature-based approach	40	40	
All hybrid approaches whose end result is a nature-based solution	35		
All other projects	25		
<b>7. Is the project area socially vulnerable? (Based on <a href="#">ADAPT VA's Social Vulnerability Index Score.</a>)</b>			
Very High Social Vulnerability (More than 1.5)	15		
High Social Vulnerability (1.0 to 1.5)	12	12	
Moderate Social Vulnerability (0.0 to 1.0)	8		
Low Social Vulnerability (-1.0 to 0.0)	0		
Very Low Social Vulnerability (Less than -1.0)	0		
<b>8. Is the proposed project part of an effort to join or remedy the community's probation or suspension from the NFIP?</b>			

Yes	10	
No	0	0
<b>9. Is the proposed project in a low-income geographic area as defined in this manual?</b>		
Yes	10	10
No	0	
<b>10. 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?</b>		
Yes	5	5
No	0	
<b>11. Does this project provide “community scale” benefits?</b>		
Yes	20	20
No	0	
<b>Total Points</b>		<b>92</b>

# Appendix D: Checklist All Categories

Virginia Department of Conservation and Recreation

Community Flood Preparedness Fund Grant Program

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Scope of Work Narrative	
Supporting Documentation	Included
Detailed map of the project area(s) (Projects/Studies)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
FIRMette of the project area(s) (Projects/Studies)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Historic flood damage data and/or images (Projects/Studies)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
A link to or a copy of the current floodplain ordinance	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Non-Fund financed maintenance and management plan for project extending a minimum of 5 years from project close	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
A link to or a copy of the current hazard mitigation plan	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
A link to or a copy of the current comprehensive plan	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Social vulnerability index score(s) for the project area from <a href="#">ADAPT VA's Virginia Vulnerability Viewer</a>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
If applicant is not a town, city, or county, letters of support from affected communities	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Completed Scoring Criteria Sheet in Appendix B, C, or D	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Budget Narrative	
Supporting Documentation	Included
Authorization to request funding from the Fund from governing body or chief executive of the local government	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Signed pledge agreement from each contributing organization	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A