

DC DOEE

Request for Applications (RFA)
2023-RFA-FY23-RRD-797P

DC Walk Project - Pre-proposal Presentation

Agenda

Timeline and funding

Purpose of the RFA

Summary Scope of Work

DOEE Flood Team Outreach and Supporting Projects

Audience and Location

DOEE and Grantee Roles

Outputs and Deliverables

Scoring

Timeline and funding

All applications must be received at <https://doee.dc.gov/page/active-grantsapplication-portal> **by 11:59 p.m. on 11/30/2022.**

The project period is from the **date of award, through March 31, 2023.** This period can be extended depending upon the performance of the grantee and/or the availability of funds.

Available funding \$19,445. This amount can be adjusted depending upon the performance of the grantee and/or the availability of funds.

If you need to report a technical difficulty, please contact **doee.grants@dc.gov** and copy **flood.risk@dc.gov**.

Purpose of the RFP

The purpose of this grant is to solicit applications for a high-quality, cost-effective, and creative way to **raise awareness for flooding and to promote resilient development through two community walks**, specifically targeting the Watts Branch and Oxon Run neighborhoods of Wards 7 and 8, both underserved communities, increasingly vulnerable to flooding and climate change. The walks will build community resilience to future flooding, help the public understand the risk of flooding, and mitigate that risk.

Summary Scope of Work

The objective is to bring multidisciplinary groups together with residents **to create an engagement project to educate residents about reducing flood risk** and improving resilience in their neighborhoods.

These community walks aim to strengthen Ward 7 and 8 communities by **generating practical solutions and connecting residents to nature and the floodplain** where they live.

The walks will provide insight into the social-environmental concerns that Ward 7 and 8 communities have and create **meaningful collaborations through a diverse mix of community leaders, residents, and environmental experts**. DOEE would hope that a focus-group-type interview would gather the participants' impressions.

Note: These are not just plain walks; the concept is to creatively communicate an important environmental and health issue. **An innovative approach might prove effective.**

Project Outcomes

1. Heightened public awareness of historic and projected flooding in Washington, DC.
2. Increased public and property owner interest in exploring methods to mitigate flood risk.
3. Better collaboration among District, federal, and private landowners to reduce flood risk.
4. Increased synergy among multi-disciplinary groups and communities leading to more impactful relationships that create better solutions to flooding problems in Washington, DC.
5. Residents are engaged with flooding issues, aware of natural disaster risks, and **active in planning** for and mitigating them.
6. Residents feel they **are a part** of making more equitable, flood-protected, and sustainable DC neighborhoods

DOEE Flood Team Outreach

DOEE/District-related programs can be found here:

- I. DC DOEE Floodplain Management:** <https://doee.dc.gov/service/flooding>
- II. DC Flood Map:** <https://doee.dc.gov/floodplainmap>
- III. DC FloodTaskforce:** <https://dcfloodtaskforce.org/>
- IV. DC Flood Awareness Week:** <https://ready.dc.gov/floodweek>
- V. Ready DC:** <https://ready.dc.gov/page/flood-2>
- VI. DC Water Flood Webpage:** <https://www.dewater.com/flooding>
- VII. DC DISB Consumer Flood Guide** <https://disb.dc.gov/flood>
- VIII. FEMA FloodSmart:** <https://www.floodsmart.gov/>
- IX. DC Silver Jackets :** <https://www.iwr.usace.army.mil/Silver-Jackets/StateTeams/Washington-DC/>
- X. Oxon Run Stream Restoration Project** <https://doee.dc.gov/service/oxon-run-stream-restoration-project>
- XI. RiverSmart Homes** <https://doee.dc.gov/service/riversmart-homes>

DOEE Flood Team Outreach

Floodsmart Homes Program: the goal of this program is to **install flood mitigation resilience upgrades to residential homes in the District** through a voluntary incentive program to reduce and limit the harmful impacts of floods and flood-related damages to residential homes.

DC Flood Task Force: An interagency group that is working on complex issues of interior flooding and tackling resident complaints.

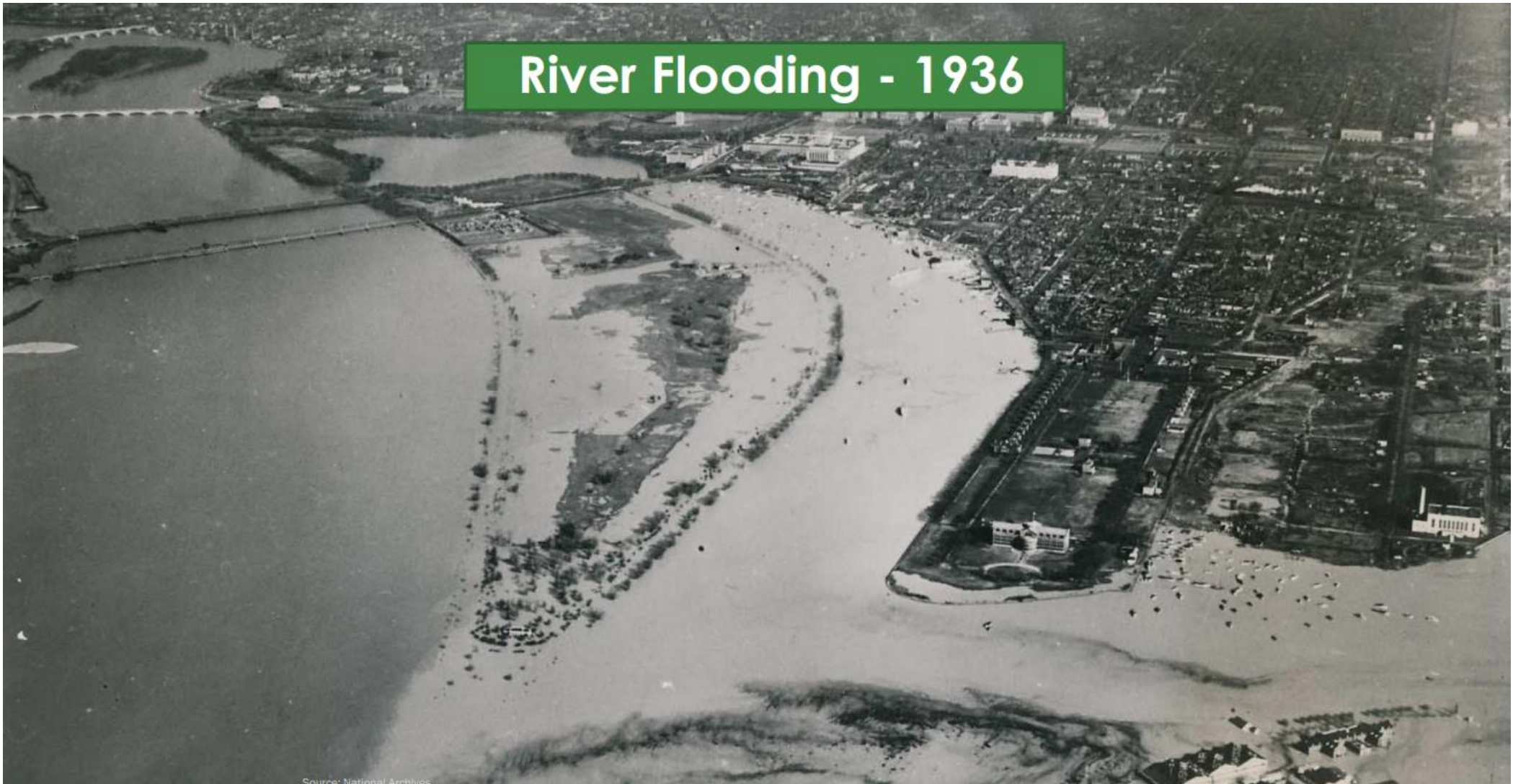
Watts Branch Blue-Green Infrastructure: (for a walk in Watts Branch): from 2017-2021, DOEE collaborated with the U.S. Army Corps of Engineers and DC Silver Jackets to investigate existing and future flood risks in Watts Branch. The resulting report evaluated how changes in the frequency and intensity of rainfall would change flood risk in the future and **provided individual and watershed-wide strategies and recommendations to reduce future flood damages. DOEE is now proceeding to the design stage using FEMA grant funds.**

Oxon Run Restoration: (for a walk in Oxon Run): DOEE is working in the Oxon Run area to improve water quality and restore the streambank through restoration.

RiverSmart Homes: RiverSmart Homes offers five different features that help reduce stormwater runoff from a property.

General Outreach

River Flooding - 1936



Source: National Archives

River Flooding - 1936

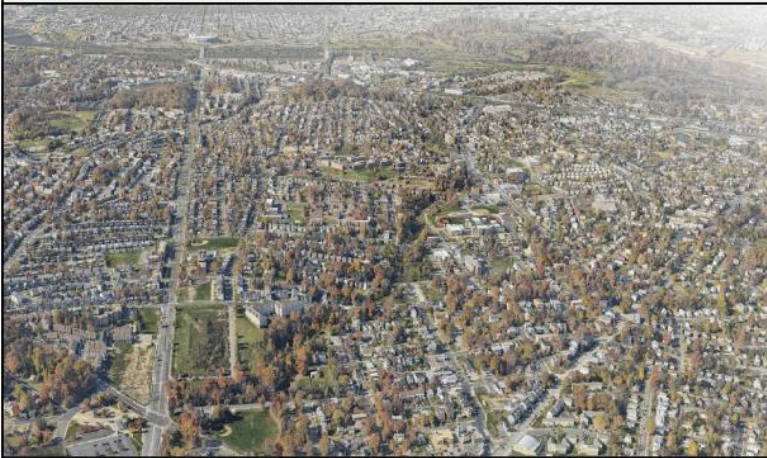


Interior Flooding - 2016





WATTS BRANCH FLOOD RISK MANAGEMENT STUDY



DC Silver Jackets Interagency Study

*FINAL
APRIL 2021*



*Hayes Street NE experienced ~2 ft. of
flooding on September 10, 2020.*

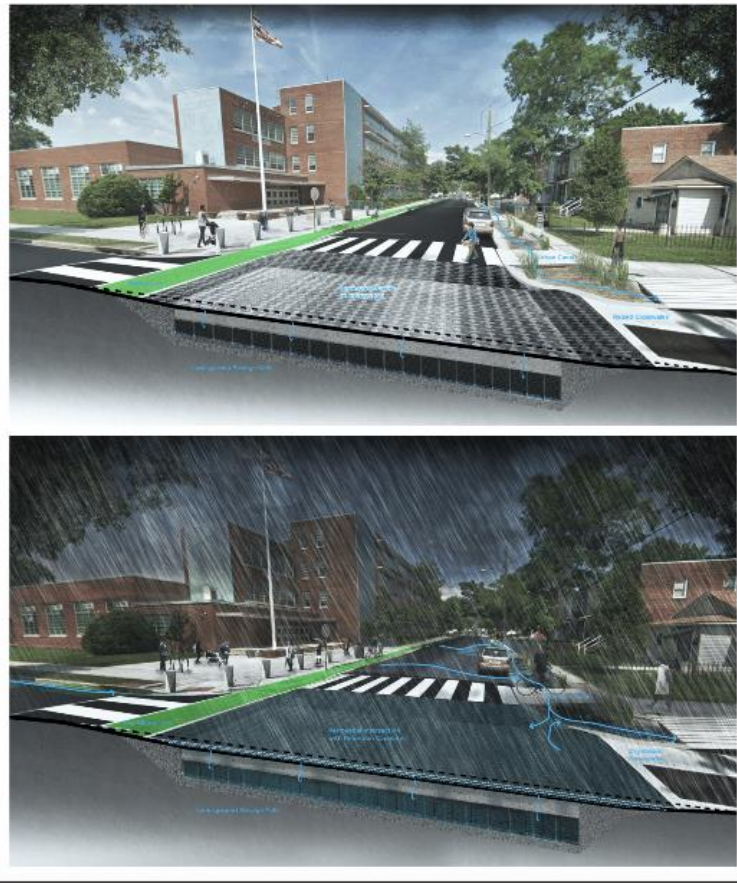


*Marvin Gaye Park HWM
following initial implementation.
Language will be placed on the
placard to describe the sculpture
and flood elevations. Photo
Source: DOEE*

PILOT CONCEPTS

EADS STREET

The Eads Street Cloudburst road concept provides safe mobility through the proposed biking lane and the raised crosswalk. In the situation of an extreme event, water infiltrates in the underground storage cells through the permeable paving in the intersection and the excess flows towards the urban canal, ensuring a dry walkway and cycle lane.



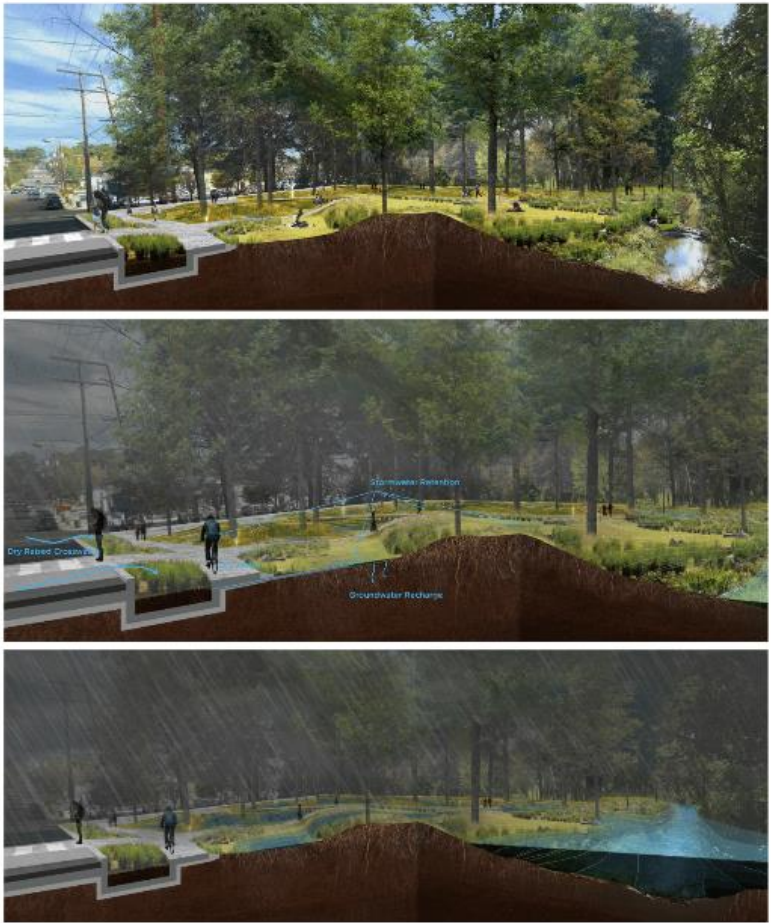
RICHARDSON DWELLINGS

The Richardson Dwellings local retention concept combines various BGI features for the space in-between the buildings, which enhance the urban landscape while protecting the buildings from flood and transport stormwater. Bioswales, shallow channels with low vegetation, bring biodiversity and also withstand inundation from stormwater. The permeable parking area allows the water to infiltrate to the underground storage cells and lead the excess to the urban stream, which is provided with an outlet for retention capacity. The runoff from building roofs flows into underground reusable water cisterns, that provide water for irrigation and non-potable uses.



MARVIN GAYE PARK

The park surrounding the stream enhances the natural features of the neighborhoods, with its diverse vegetation that adds to the hydrological feature, producing microclimates with rich habitats. The Marvin Gaye Park central retention concept provides an opportunity to connect with nature in the city, a qualitative recreational area with access to both water and green space, that adapts to extreme weather conditions. The landscape of the park is designed with retention areas, collecting floodwater, which infiltrates into the soil, recharging the groundwater. The sidewalks and the pathways have slight inclinations that lead water into the low areas of the park and into the Watts branch.



DOEE Materials

- **PowerPoints:**
 - Flood Risk 101
 - Flood Insurance 101
 - Flood Mitigation 101
- **Posters:**
 - Protect Your Home From Flooding
- **Brochures**
 - Bi-annually
- **Post Cards**
- **Flood Maps**
 - District Wide
 - Tailored to neighborhood



INPUT NEEDED: NEW SAFETY RULES FOR FLOODPLAIN PROPERTIES

The Department of Energy and Environment works to reduce flood risk in the District of Columbia. Join us at an online meeting to learn more about upcoming regulations that help protect people and property in your neighborhood.

DEPARTMENT OF ENERGY & ENVIRONMENT
1200 FIRST STREET NE
WASHINGTON, DC 20002

ABOUT THE CHANGES

- If you are reading this postcard, then our records indicate your property is in a floodplain. See more at dc.floodrisk.org.
- The Floodplain Regulations, officially known as the Flood Hazard Rules, describe protective requirements for building on properties that are in the floodplain.
- Based on new climate data and projections of increasing flood risk, DOEE proposes to update the Flood Hazard Rules to expand the regulated area and add more protective construction and insurance requirements.

ABOUT THE EVENT

- We'll host online presentations regarding proposed updated Flood Hazard Rules at 5:30 p.m. on July 26th and at 6:30 p.m. on August 2nd for homeowners and renters residing in the floodplain.
- Both meetings will feature the same content - attend whichever date and time is most convenient for you.
- RSVP at: <https://floodplain-safety-rules.eventbrite.com/>

DEPARTMENT OF ENERGY & ENVIRONMENT
DISTRICT OF COLUMBIA
MURIEL BOWSER, MAYOR

doee.dc.gov/service/flooding

floodrisk@dc.gov

(202) 535-2600

DEPARTMENT OF ENERGY & ENVIRONMENT
DISTRICT OF COLUMBIA
MURIEL BOWSER, MAYOR

DOEE is the District's Floodplain Administrator of the National Flood Insurance Program (NFIP). DOEE's floodplain managers develop and implement programs to reduce the risk of flooding in the District. For more information, visit our website at FloodRiskManagement1.doee.dc.gov, or contact a floodplain manager at floodrisk@dc.gov or (202) 535-2600.

You may request the following services:

- Determining your local flood risk and accessing FEMA maps
- Identifying strategies to protect your home
- Understanding the flood regulations for construction
- Learning about potential FEMA funding opportunities for flood mitigation

YOUR RESIDENCE OR BUSINESS IS IN A HIGH RISK FLOOD ZONE

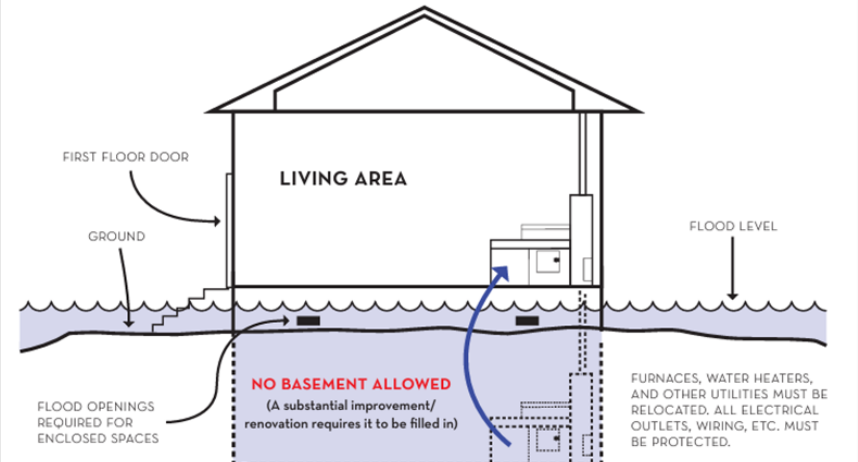
The Bowser Administration, through the Department of Energy and Environment and partner agencies, works to reduce flood risk in the District of Columbia. Contact us at flood.risk@dc.gov for questions about flood risk reduction, flood insurance, and flood regulations. We are here to help you.

READY.DC.GOV/FLOOD

PROTECT YOUR HOME FROM FLOODING

EXISTING RESIDENTIAL STRUCTURES

LIMIT BASEMENT USE



FIRST FLOOR DOOR

LIVING AREA

GROUND

FLOOD LEVEL

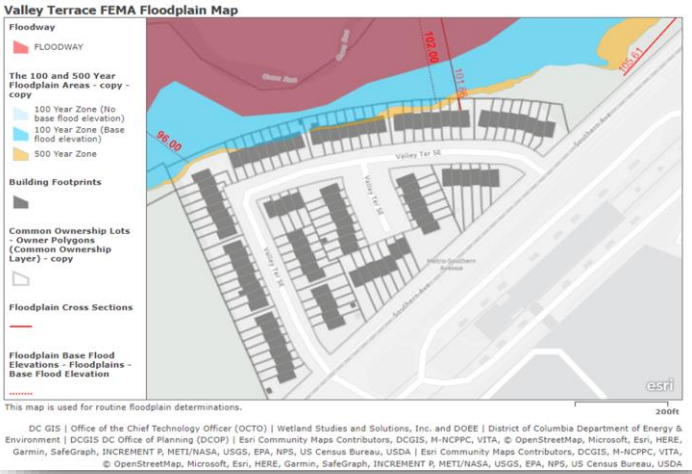
NO BASEMENT ALLOWED
(A substantial improvement/renovation requires it to be filled in)

FLOOD OPENINGS REQUIRED FOR ENCLOSED SPACES

FURNACES, WATER HEATERS, AND OTHER UTILITIES MUST BE RELOCATED. ALL ELECTRICAL OUTLETS, WIRING, ETC. MUST BE PROTECTED.

doee.dc.gov/service/flooding flood.risk@dc.gov (202) 535-2600

DEPARTMENT OF ENERGY & ENVIRONMENT
DISTRICT OF COLUMBIA
MURIEL BOWSER, MAYOR



BEFORE THE FLOOD

Know Your Flood Risk. Your property is in the high-risk or moderate-risk flood zone. Go to dc.floodrisk.org/main to learn more. Note: A high-risk flood zone is an area with a 1 percent annual chance of flooding and a moderate-risk flood zone is an area with a 0.2% annual chance of flooding.

Stay Informed. Sign up for AlertDC at ready.dc.gov/alertdc. Also, download the DC Homeland Security and Emergency Management Agency App at ready.dc.gov/alertdc. Once downloaded, you can set the app to notify you if a flood is imminent.

Know the Alerts.

- **Flash Flood Watch:** Flash flooding is possible
- **Flash Flood Warning:** flash flooding is happening or is about to happen
- **Coastal Flood Watch:** moderate to major coastal flooding is possible
- **Coastal Flood Warning:** moderate to major coastal flooding is happening or is about to happen

Renters and Owners Get Flood Insurance at floodsmart.gov. Your Homeowner's policy does NOT cover you for floods.

Elevate Your Belongings and Electrical and Mechanical Equipment (i.e., furnaces and water heaters)

Consider Retrofits Such as Basement Fill and Home Elevation, contact DOEE.

Make an Emergency Plan today at ready.gov/plan.

Get Involved as a Business Owner: Business Emergency Operations Center (BEMOC) members can hear incident updates from HSEMA Emergency Operations Center (EOC) leadership, Emergency Support Function (ESF) partners, and affected state partners. The BEMOC also tracks members' needs, capabilities, concerns, and updates, and shares them within the Regional Response Coordination Center (RRCC) and with appropriate partners. For more information, please visit hsema.dc.gov/dc-bemoc.

Report Flooding.

- For life-threatening emergencies, please call 911.
- For government assistance for flood recovery, please call 311.

Turn Around. Don't Drown! Do not walk, swim, or drive through flood waters.

Get to the Highest Level if Trapped in a Building. Only get on the roof if necessary, and once there signal for help. Do not climb into a closed attic to avoid getting trapped by rising floodwater.

DURING THE FLOOD

Evacuate Immediately, if told to evacuate.

Avoid Flood Waters.

- Move to higher ground.
- NEVER walk or drive through flood waters. Just 6 inches of flowing water can be enough to knock you off your feet or carry your car away.
- If water rises around your car, abandon it immediately.
- TURN AROUND, DON'T DROWN!

Avoid Contact with Electricity.

- Don't touch electrical equipment. Every source of electricity can be dangerous during or after a flood.
- Treat all downed wires as if they are live and report them to Pepco at 1-877-737-2662.

AFTER THE FLOOD

Photograph damage to your property for insurance purposes.

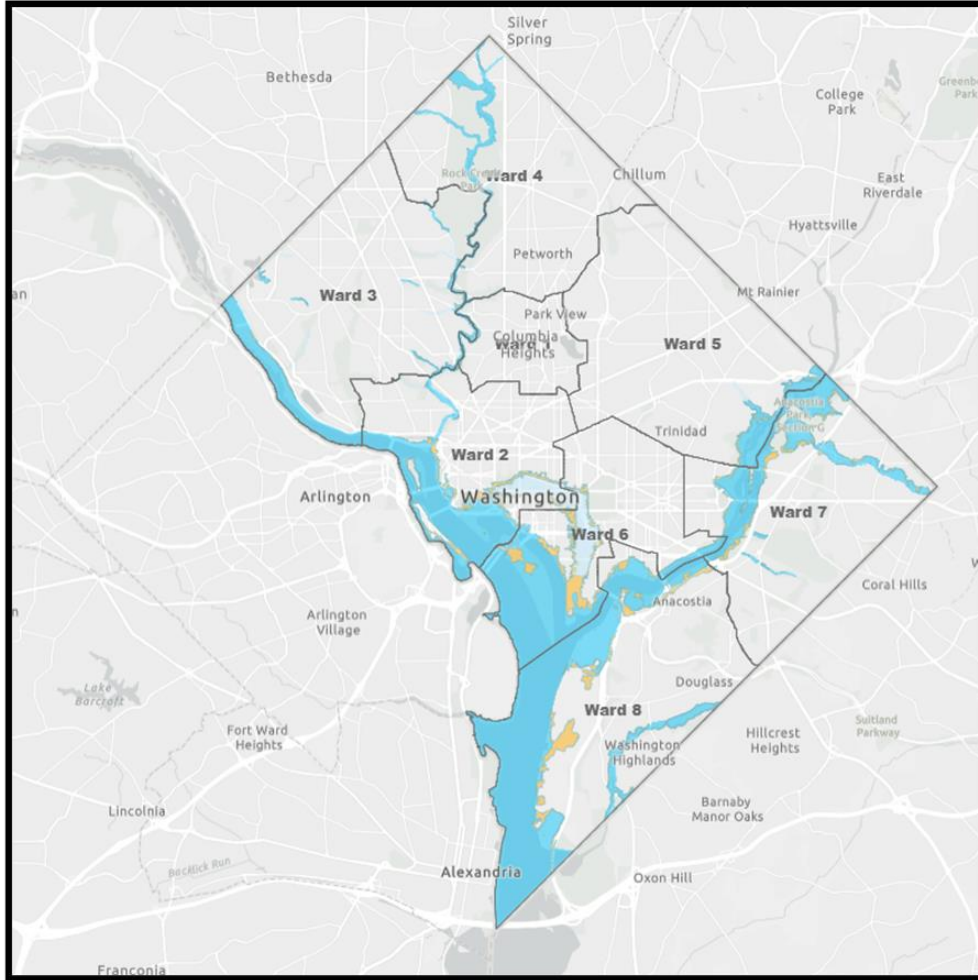
Check in with your neighbors and see if they need assistance.

Be aware of the risk of electrocution. Do not touch electrical equipment if it is wet or if you are standing in water. Turn off the electricity to prevent electric shock if it is safe to do so.

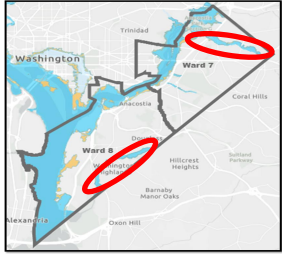
Apply for a permit to repair your home at dena.dc.gov/service/get-building-permit-0.

People with asthma and other lung conditions and/or immune suppression **should not enter** buildings with indoor water leaks or mold growth that can be seen or smelled. Children should not take part in disaster cleanup work.

Who is the priority audience?



- *Homeowners*
- *Renters*
- *Low to Mid-Rise Apartment Owners*
- *Community Officials*
- *Artists*
- *Families*
- *Cultural Centers*
- *Community Organizations*

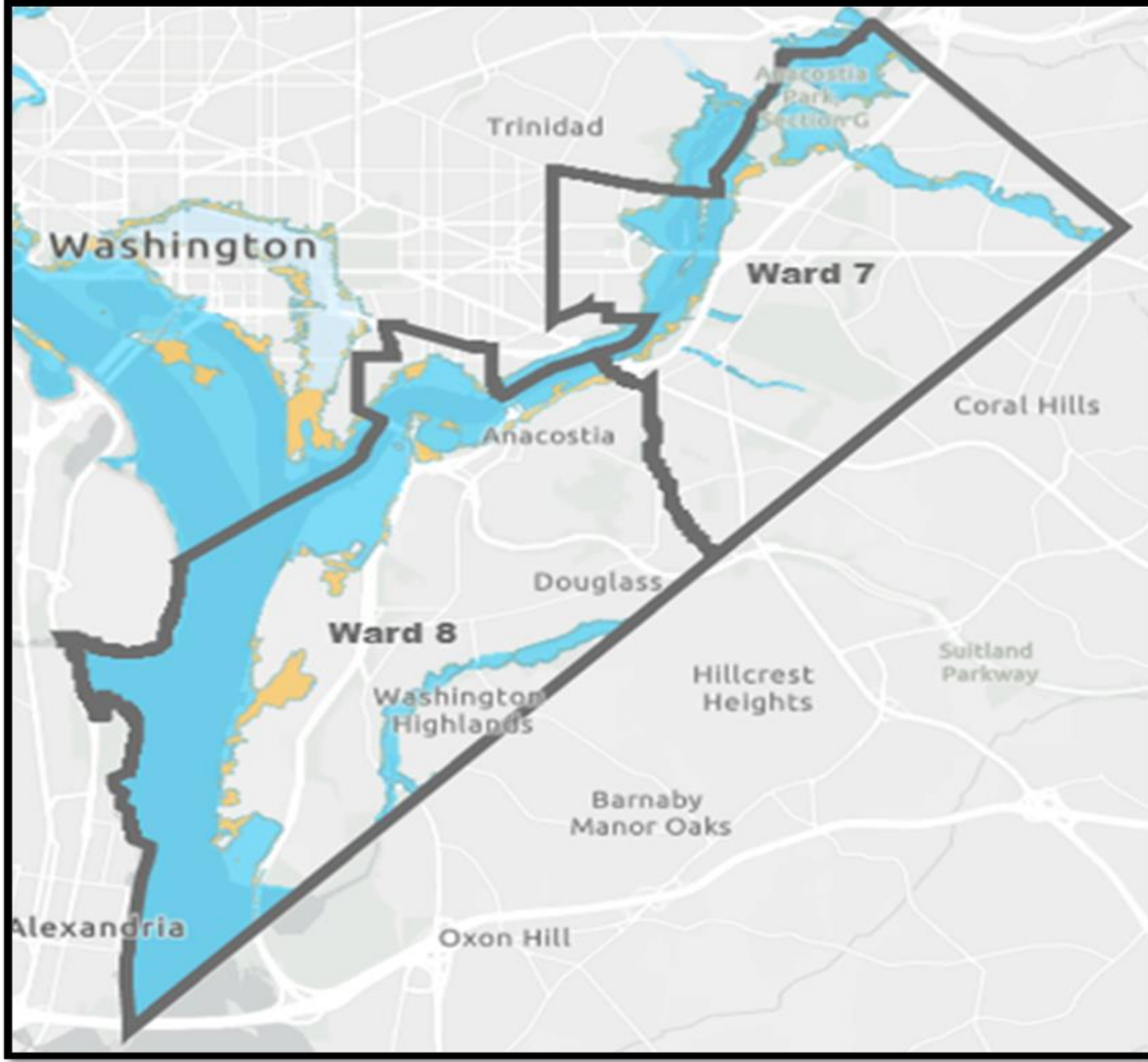


Who is the priority audience?

The Flood Team identified the priority audience for mitigation outreach to be residential property owners and renters in Wards 7 & 8.

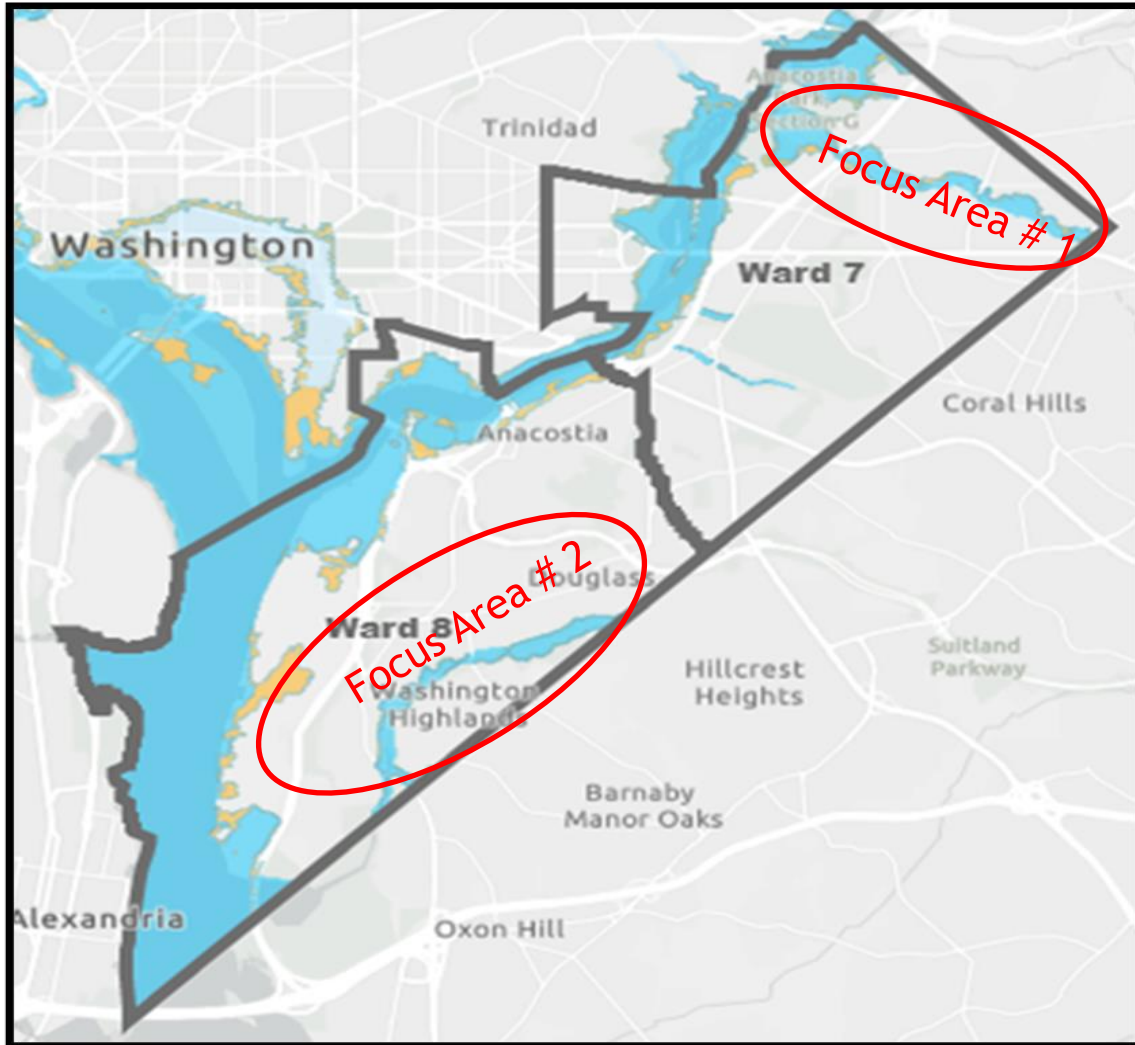
We based this on our data collection efforts, assessments, independent research, and a lot of thoughtful discussion. The following slides provide more details about the results of our process, the audience, and identified focus areas.

Who is the priority audience?



~93% of all housing units located in the 100-year floodplain are in Wards 7 (76%) & 8 (16.5%)

Who is the priority audience?



Residential Structure Type

- Single Family Detached
- Single Family Row Home
- Apartment Walk Up (Low to Mid-Rise)

NOTE: "Most residential properties in the floodplain are single-family detached properties and single-family row homes. Apartment walk-ups and single-family detached properties make up the greatest area coverage of residential properties in the floodplain." Cadmus (2021)

Political Areas

- **Ward 7:** 7D07, 7D06, 7D02, 7D05, 7C01, 7C05, and 7C06
- **Ward 8:** 8C04, 8D02, 8D06, 8D07, and 8E05

Geographic Area: Watts Branch and Oxon Run

Neighborhoods: Lincoln Heights, Hillbrook, Deanwood, Central Northeast, Eastland Gardens, Mayfair, Congress Heights, Bellevue, Washington Highlands, Douglas, and Shipley Terrace.

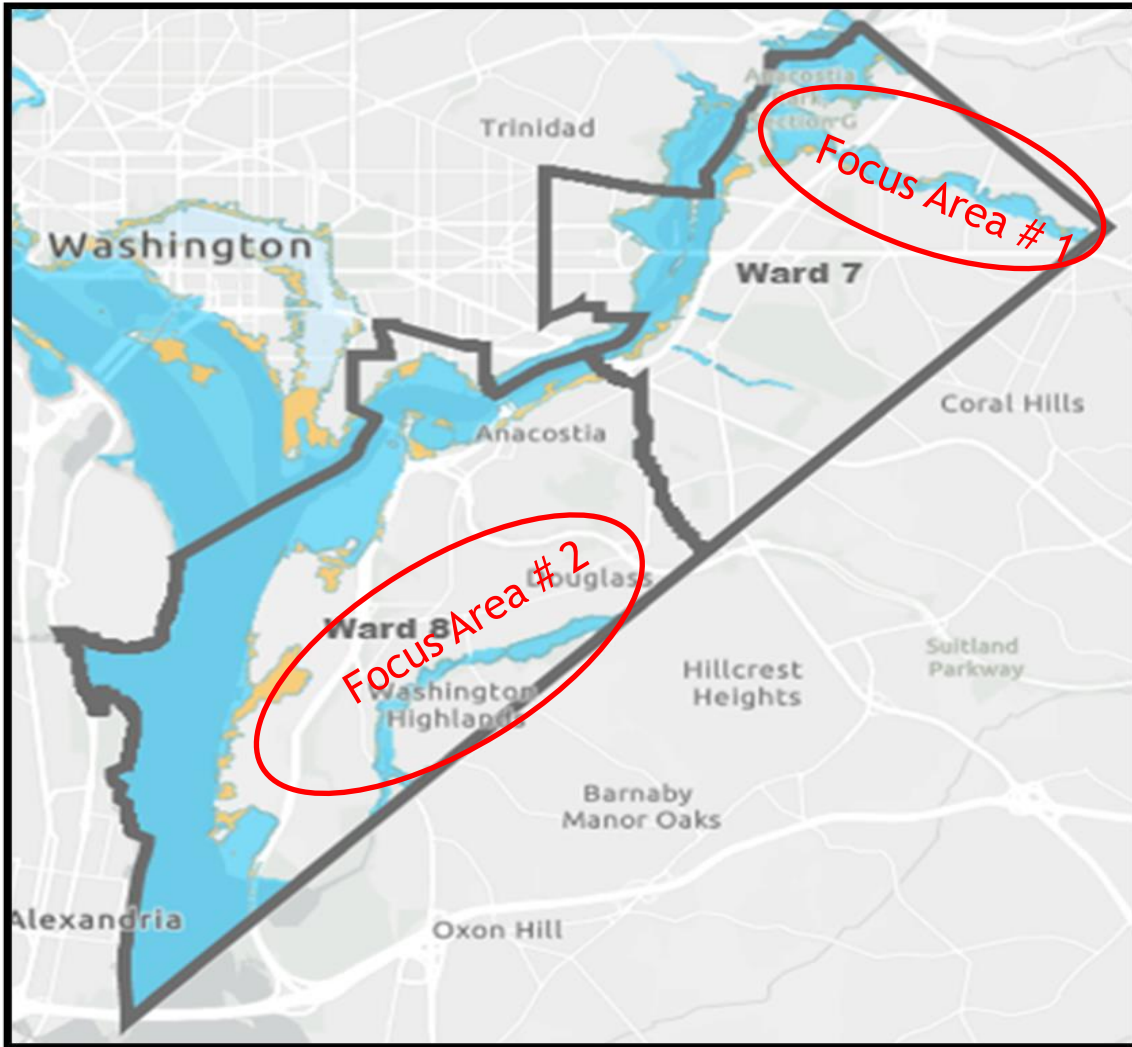
Languages: Predominately English (Spanish and Mandarin will be included as needed)

Source: Flood Analysis: Cadmus Group, District Profile and Risk Assessment Updates (2021)

Source: USACE Silver Jackets, Watts Branch Flood Risk Management Study (2021)

Source: DOEE GIS Analysis

Who is the priority audience?



According to the Cadmus Group about the District of Columbia's 100-year floodplain:

"Disadvantaged populations including people of color, households below the federal poverty line, and people with disabilities disproportionately compromise those who live in the floodplains and endure disproportionate risks of flooding and associated impacts."

Source: Flood Analysis: Cadmus Group, District Profile and Risk Assessment Updates (2021)

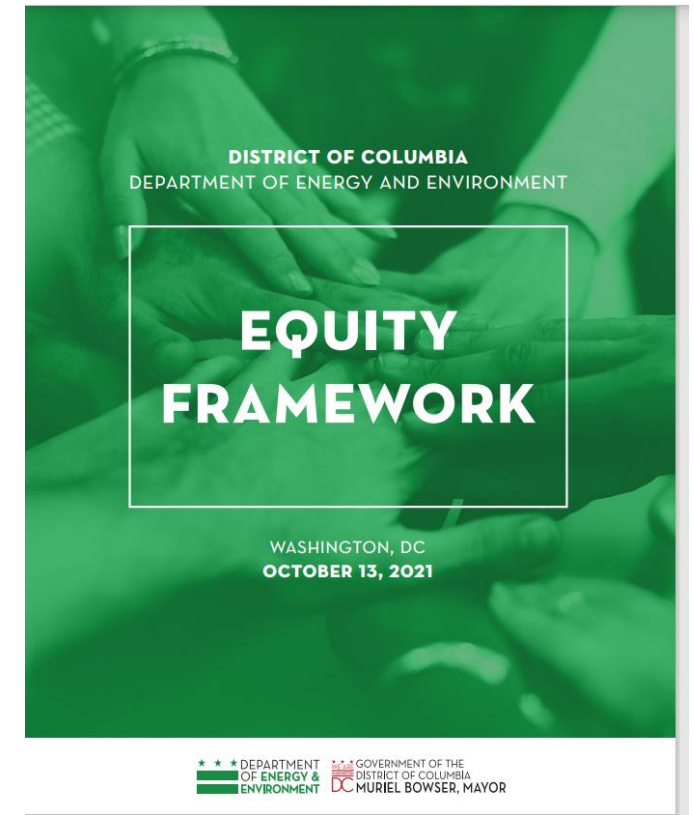
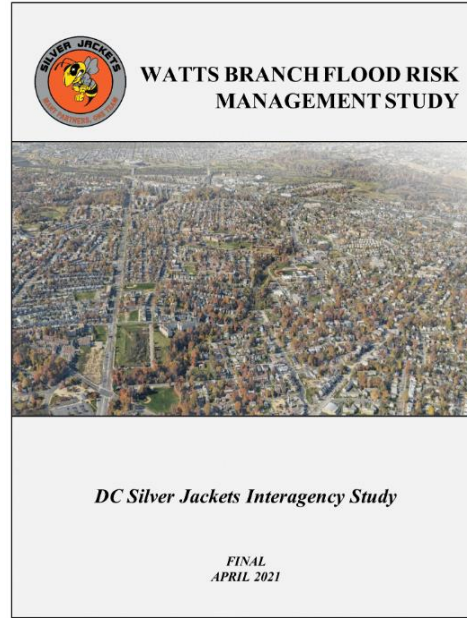
Partners

- **Community**

- Faunteroy Community Enrichment Center
- Friends of Oxon Run Park
- Advisory Neighborhood Commissioners

- **Agency**

- DOEE-Urban Sustainability Administration
- Homeland Security and Emergency Management Agency (HSEMA)
- Department of Insurance, Securities and Banking (DISB)
- USACE-Silver Jackets



Outputs and Deliverables

Project Outputs

1. Two public community walks in Wards 7 and 8.
2. Community members attendance at the walks.
3. Identification of likely interested community members
4. Connections to community leaders.
5. Identification of potential flood-related trouble spots
6. Community member suggestions

Deliverables

1. Participation in a kick-off meeting with the project team.
2. A draft plan
3. Two status update meetings
4. Approved workplans and scripts
5. A final report

DOEE and Grantee Roles

DOEE will provide the following assistance:

1. Assist with choosing locations.
2. Assist with talking points.
3. Help to connect the grantee with the relevant stakeholders.

The grantee will be expected to:

1. Provide the team to lead each walk, including flood and design expert(s) and a community leader(s). The community leader(s) does not have to be identified in the initial grant application.
2. Organize each event.
3. Secure attendance from community leaders and community members.
4. Consult with DOEE about project materials and talking points prior to each event that is relevant to the project goals described in this RFA.
5. Present DOEE a draft plan, agenda, route, and timeline for each event.
6. Host the walk and any activities associated with it (speakers, collaborative art, etc.), and provide any materials necessary for the event.
7. Present a draft summary report and follow-up action items for each walk for approval.
8. Draw connections to current DOEE flood reduction efforts. The grantee is expected to connect ongoing DOEE flood risk reduction efforts to each community walk. A walk is not required to refer to all these efforts, but there may be opportunities to highlight one or more aspects during the walk or build the walk around one of these efforts.

Scoring

	Scoring Criteria	Points
1	Presents a creative and unique plan.	20
2	Equity is incorporated into each walk.	5
3	The project will connect each walk to ongoing DOEE Flood Team initiatives.	5
4	Provides a detailed recruitment plan that ensures full attendance at the walks.	5
5	The project will raise awareness that flooding is likely and can be protected against in the participants' neighborhoods.	20
6	Presents a clear and achievable timeline for executing the project within the grant period.	5
7	Demonstrates experience working in public settings, community-led tours/meetings, and gaining community participation.	20
8	Presents a cost-effective numeric budget and reasonable budget narrative for the work proposed.	5
9	Demonstrates knowledge of the target populations.	10
10	Demonstrates the ability to secure and engage community leaders and experts on environmental and flooding issues in Washington, DC.	5

Questions