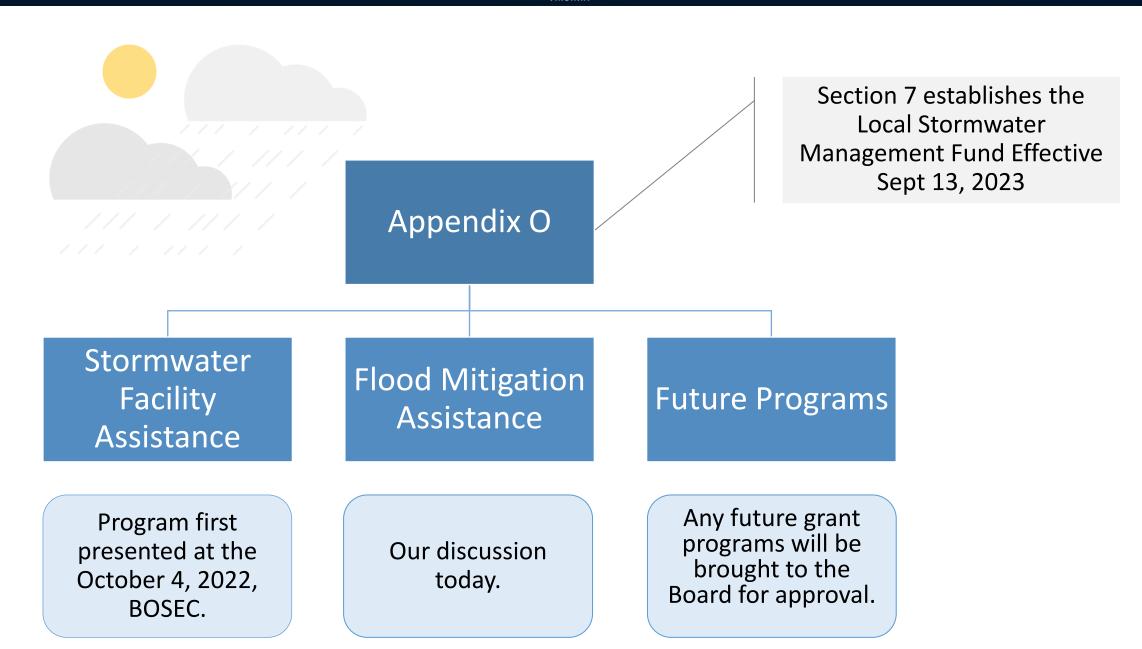


A Flood Mitigation Assistance Program to Increase Community Resilience

Recommendation

Eleanor Ku Codding, Deputy Director Department of Public Works and Environmental Services

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Why a cost-share program?

Flooding is not a linear straightforward risk

- Drainage is a shared obligation
 - Surface water is a "common enemy"
- Drainage is a function of a changing natural environment
 - Emerging chaotic weather patterns continue to cause unprecedented flooding
 - Land cover and slopes change naturally and with development, affecting properties downstream

Cost-share program helps reduce risk to life and property on private lots

- Studies show that the most successful comprehensive flood risk reduction programs include cost-share programs
- Empowers property owners to take proactive preventative measures
- Reduces capital project costs
- Prevents property damage

Seeking Board recommendation to develop a Flood Mitigation Assistance Program that will be mutually beneficial to the County and its residents:

County

Deliver assistance to residents who take proactive efforts to increase overall community resiliency

Residents

Reimbursed for products and/or services that will reduce the risk of flood damage to their property

PROGRAM OVERVIEW



50/50 cost-share reimbursement program



Maximum award of \$5,000



Open to residential or multi-family properties, common interest communities, and places of worship



Funded through the County's Stormwater Service District



Initial funding of \$250,000 for Fiscal Year 2025



Grant administered by Northern Virginia Soil and Water Conservation District

Approved flood mitigation practices include:



Window wells



Flood gates



Modified basement areaways



Sump pump backup batteries



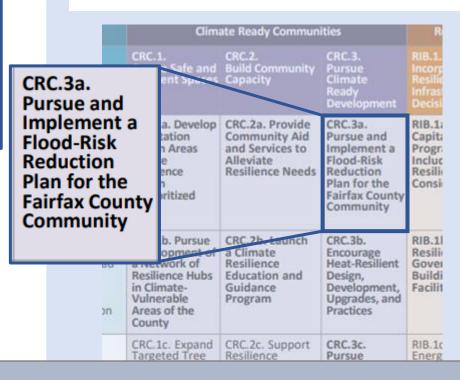
Utility protection



Exterior grading or drains

RESILIENT FAIRFAX: CLIMATE ADAPTATION & RESILIENCE PLAN INLAND FLOODING INLAND FLOODING Figure 6, Fairfax Given the projected increase in heavy precipitation days, inland Given the projected increase in flooding is also expected to increase. There are two major types of inland flooding: heavy precipitation days, inland Riverine flooding occurs when heavy flooding is also expected to increase. or prolonged rains cause rivers and streams to overflow into floodplains. Figure 6 shows FEMA - and county - recorded floodplains in Fairfax

SNAPSHOT OF RESILIENT FAIRFAX STRATEGIES



County.

Urban flooding which is more common in Fairfax County, occurs when rainwater overwhelms the county's stormwater drainage systems, particularly in areas that are low-lying, lack sufficient stormwater infrastructure, or have too much

impervious cover. Figure 7 is a map

of a property-by-property analysis

prone. The properties were scored

for 10 factors. There factors include

to find areas that may be flood

Figure 7. Flood Exposure: 10-factor flood score. (Source: DPWES/GIS).

The County cannot achieve a meaningful level of flood mitigation without resident participation.

CRC.1d.	CRC.2d. Expand	CRC.3d.	RIB.1
Enhance	Heat Warning	Undate the	Recilia

The program empowers residents to make quick repairs to reduce their flood risk.

RIB.16 Procu

Next Steps

Today

Seek Board recommendation to move forward with the Flood Mitigation Assistance Program

Public Hearing

DPWES will come before the Board for a Public Hearing on the formal MOU with Northern Virginia Soil and Water Conservation District

Incorporate

Incorporate the Flood Mitigation Assistance Program into the FY25 budget

Start

Start the program on July 1, 2024

Questions?

