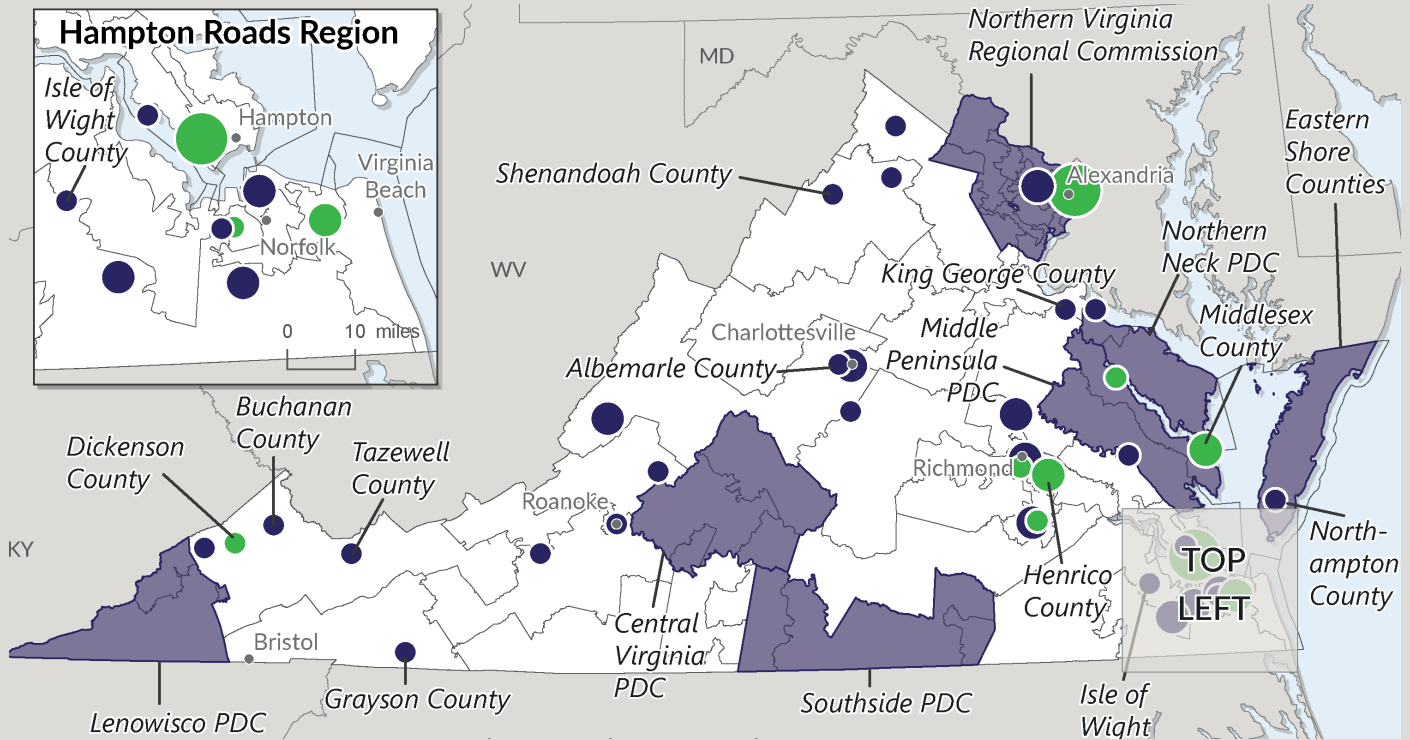


# RGGI GRANTS

## COMMUNITY FLOOD PREPAREDNESS FUND



In 2020, Virginia passed the Clean Energy and Community Flood Preparedness Act to protect Virginians from growing flood risk from more frequent and intense storms and sea level rise. This allowed the Commonwealth to join the Regional Greenhouse Gas Initiative (RGGI) and established the Community Flood Preparedness Fund (CFPF). RGGI is a market-based program of 11 states that generates funds while reducing electricity sector emissions. Half of its proceeds fund low-income energy efficiency programs and 45% fund the CFPF.

The CFPF provides loans and grants for projects, studies, and planning throughout the Commonwealth to identify and address flood vulnerability for communities. CFPF funds can build capacity in localities that otherwise would not have the resources to develop comprehensive flood vulnerability assessments and action-oriented flood mitigation approaches.

## CITY OF ALEXANDRIA

The City of Alexandria is experiencing more frequent and severe flood events that damage residential and commercial properties, impact critical assets, and cause day-to-day disruptions and economic losses. Extreme precipitation events have occurred more frequently in the last few years, with four major flooding events since 2019. Due to the density of development along the city's waterbodies and aging infrastructure, the storm sewer system is not able to convey the volume of flooding experienced in these types of extreme events.



**\$ \$5,886,900**



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## **1 WATERFRONT IMPROVEMENT PROJECT DESIGN**

This CFPF grant will support the design and engineering phase of the City's larger Waterfront Implementation Project, targeting the most vulnerable drainage basins slated for improvement. The city will work with a consulting team to design alternative mitigation approaches that incorporate nature-based solutions in addition to traditional grey solutions to stabilize the shoreline, maintain a resilience floodplain, and create a recreational area for the community.

## **2 ARLANDRIA FLOOD MITIGATION PROJECT**

This CFPF grant will enable the City to begin to implement a stormwater capacity improvement project in the low-income Arlandria neighborhood, supporting the existing storm drain network with upsized pipes, new surface water channels, and measures to prevent stormwater backflow during increasingly intense rain events.

## **3 RESILIENT STORMWATER CAPACITY & GREEN STREETS PROJECT**

Properties along two intersections in Alexandria's Four Mile Run watershed experience repetitive flooding as a result of the city's overwhelmed storm sewer systems. This holistic CFPF project will create new flood mitigation infrastructure that incorporates nature-based solutions to protect local homeowners and businesses while simultaneously enhancing the urban environment.

## **4 INLET CAPACITY AND NEW INLET PROGRAM**

The City will use this CFPF award to build upon its Flood Action Alexandria Initiative by identifying undersized inlets and locations for new inlets to improve the efficiency of the City's stormwater system. This analysis will start in the Hooff's Run and Four Mile Run watersheds but will be replicable across the remaining six watersheds.

## **5 MOUNT VERNON AVE CULVERT REPLACEMENT AND OPTIMIZATION**

This project will replace existing undersized and deteriorating stormwater pipe leading from Mount Vernon Avenue to east of Edison Street and replace and upsize four inlets on Edison Street. When completed, this project will eliminate the surcharging occurring in the area and have a positive impact on the health and safety of the surrounding community.

### **WHY IT MATTERS**

Alexandria is one of Virginia's densest cities, and these CFPF awards will help protect residents from floods that threaten their life safety, health, and the security of their homes.