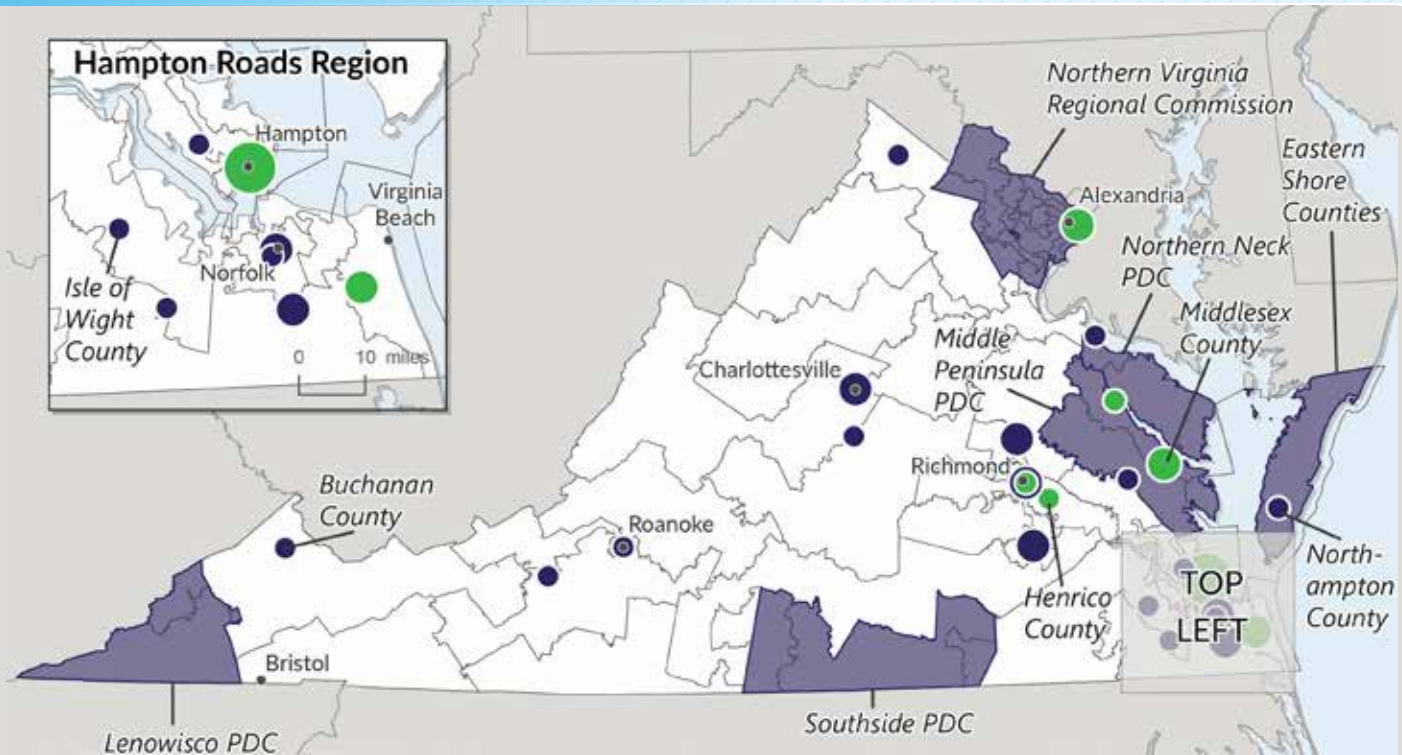


# RGGI GRANTS

## 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.

## 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.



**ALEXANDRIA**



**\$3,872,900**



### POINT OF CONTACT

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## 1 WATERFRONT IMPROVEMENT PROJECT DESIGN

Alexandria's bustling waterfront experiences an average of one flooding event per month, causing significant damage to businesses, homeowners, and city infrastructure along the Potomac River. This CFPF grant will support the City in implementing the design and engineering phase of its 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.



| DOWNTOWN FLOODING  
Alexandria, VA

## 2 ARLANDIA FLOOD MITIGATION PROJECT

Alexandria's low-income Arlandria neighborhood experiences frequent flash flooding as a result of a storm sewer system ill-equipped to handle increasingly intense rain events. This CFPF grant will enable the City to implement an early phase of a stormwater capacity improvement project along Edison Street and Dale Street, supporting the existing storm drain network with upsized pipes, new surface water channels, and measures to prevent stormwater backflow.

## 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.



RENDERING OF FOUR MILE RUN |  
Alexandria, VA

### 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.