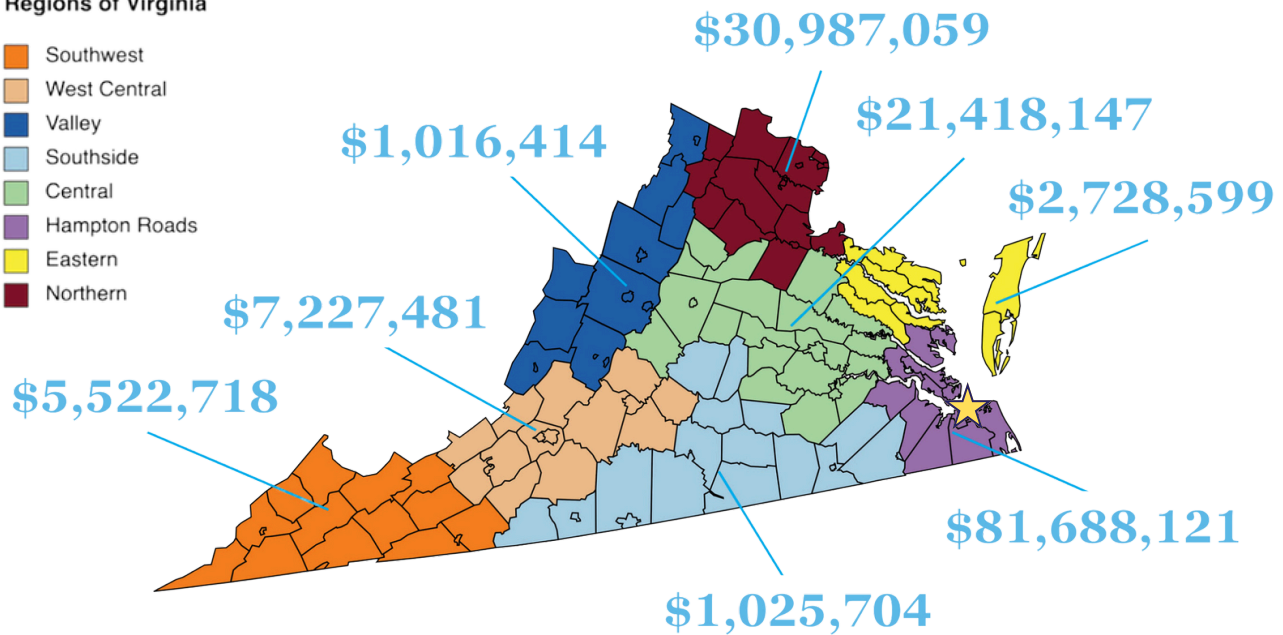


RGGI GRANTS

COMMUNITY FLOOD PREPAREDNESS FUND

Regions of Virginia

- Southwest
- West Central
- Valley
- Southside
- Central
- Hampton Roads
- Eastern
- Northern



Virginia's participation in the Regional Greenhouse Gas Initiative (RGGI) from 2021-2023 generated \$827.7 million in revenue while also reducing power plant carbon pollution in the state by 22%. Half of RGGI proceeds from quarterly auctions funded low-income energy efficiency programs and 45% funded the Community Flood Preparedness Fund (CFPF). Without RGGI, there is no mechanism to maintain long-term revenue for the CFPF.

The CFPF provides grants and loans for projects, studies, and planning throughout the Commonwealth to identify and address flood vulnerability for communities. CFPF funds can build capacity in localities that need additional resources to develop comprehensive flood vulnerability assessments and action-oriented flood mitigation approaches.

CITY OF NORFOLK

The City of Norfolk is a highly urbanized, relatively flat community that serves as a commercial center for Hampton Roads. Norfolk is a low-income community classified as moderately socially vulnerable in Virginia, with 20% of residents living below the federal poverty standard. The city is increasingly at risk from flooding, damage from coastal storms, and facing future flood impacts on its urban stormwater systems due to rainfall-drive flooding.



\$ 33,824,629
Cumulative CFPF Awards



QUESTIONS?
Reach out to:
cfpf@vcnva.org



VIRGINIA CONSERVATION NETWORK
701 E FRANKLIN STREET, SUITE #800 | RICHMOND, VA 23219
804-644-0283 | VCN@VCNVA.ORG | WWW.VCNVA.ORG

1 NORFOLK COASTAL STORM RISK MANAGEMENT ANALYSIS

This CFPF award will support a study on coastal storm processes that is necessary for the continued design of the city's coastal resiliency infrastructure. The new models and calculations will increase understanding of storm surge and wave mitigation, as well as the hydrological impacts of flood protection measures.

2 LAKE WHITHURST WATERSHED STUDY

Norfolk's Lake Whitehurst is a managed drinking water reservoir with a nearly 3000 acre watershed. Stormwater runoff entering the lake has begun to exceed the managed level of the lake and result in flooding. Using this CFPF award, Norfolk will conduct a hydrology and hydraulics analysis of Lake Whitehurst's drainage in an effort to determine present and future impacts of tidal and major storm events on the watershed.

3 WATERSHED MASTERPLAN STUDY & PURCHASE OF FLOOD SENSORS

This CFPF award will enable Norfolk to revise its Coastal and Precipitation Flooding Master Plan to incorporate best available science for sea level rise and future rainfall projections and update ordinance recommendations accordingly. The City will conduct a system-wide inventory of stormwater infrastructure, including future conditions, to develop realistic metrics and timeframes for flood risk reduction and prioritize project recommendations that incorporate social equity and nature-based solutions.

4 RIVERSIDE MEMORIAL CEMETERY SHORELINE RESTORATION

This CFPF award will stabilize over 1,500 linear feet of shoreline and restore nearly an acre of historical wetlands along Riverside Memorial Cemetery. Over 95% of the project will be nature-based solutions like bank fill, grading, and other living shoreline techniques. This project will protect and enhance a valuable community asset, provide coastal erosion protection, enhance aesthetics and wildlife habitat, and improve the water quality of a creek through the Campostella neighborhood and the Elizabeth River as a whole.



5 GHENT-DOWNTOWN-HARBOR PARK FLOOD PROTECTION BARRIER SYSTEM

The City of Norfolk, along with US Army Corps of Engineers Norfolk District, will complete the analysis and planning necessary to begin construction of a floodwall segment located along the Elizabeth River from Harbor Park to the Downtown Berm area, which would connect to the existing downtown Norfolk floodwall. The flood protection system will include levees, floodwalls, surge barriers, and the integration of nature-based solutions like living shorelines and wetland restoration.

6 GRANDY VILLAGE LIVING SHORELINE

The Grandy Village Living Shoreline project will restore or protect over four acres of tidal marsh along approximately 1900 linear feet of eroding shoreline. The project is located in the Grandy Village public housing community. A rock sill with sand backfill will be installed, including significant oyster reef habitat on the channelward side. Invasive species will be removed from existing riparian forest behind the marsh.

7 EAST OCEAN VIEW COMMUNITY CENTER LIVING SHORELINE

The East Ocean View Community Center Living Shoreline project will restore over half an acre of tidal marsh along 1500 linear feet of eroding shoreline. The project is located in the Ocean View section of Norfolk behind a City community center and several blocks of residential roadway to either side. A rock sill with sand backfill will be installed, followed by seeding of oysters and planting of marsh species and trees, shrubs, and wildflowers across over an acre of adjacent riparian park space.

8 STEAMBOAT CREEK LIVING SHORELINE DESIGN

The Steamboat Creek Living Shoreline Design project will design restoration of approximately 4500 linear feet of eroding shoreline in Steamboat Creek, a tributary of the Eastern Branch of the Elizabeth River in the low-income, at risk Campostella area of Norfolk. Rock sill, sand fill, marsh and riparian plantings, and oyster seeding will be included in the design. Topographic modifications to provide enhanced flood protection will also be assessed and included where feasible.

