

Flood Resilient Arlington Update

Increasing Arlington's environmental resiliency through climate action, stormwater management and flood mitigation.

October 2022

FLOOD RESILIENCE PROJECTS

- Construction continues on the stormwater vault at Cardinal Elementary school - one of the largest vaults in the mid-Atlantic. This vault will help to reduce flood risk in Torreyson Run and Westover neighborhood when completed early in 2023.
- Dredging of the Four Mile Run flood channel to maintain capacity and reduce flood risk in S. Arlington is underway. Expected completion in early 2023.
- Ballston Pond project is under construction. The pond will help the County achieve water quality regulations and reduces peak flows in Lubber Run by 30%.



Cardinal Elementary Stormwater Vault

PLANNING AND DEVELOPMENT

- Risk Assessment and Management Plan (RAMP)** is on schedule to be completed in 2022. This plan includes updated climate projections, mapping of critical assets and facilities, and modeling of current and future flood patterns (with factors for climate change). It also includes vulnerability and risk assessments.
- FEMA Floodplain Map Update** - The County's Floodplain Administrator continues intensive work with FEMA to ensure the floodplain maps and ordinance are updated in an equitable and technically-accurate manner. An additional 90 day appeal process for three revised map panels located in the upper reach of Four Mile Run near the border with the City of Falls Church started on October 6. For more information, see the County Floodplain webpage.
- Work is beginning on a **Flood Resilient Design and Construction Manual** for Arlington County.
- Upcoming zoning study to propose zoning ordinance revisions to facilitate construction of stormwater facilities.

FUNDING

- Stormwater Investments in the Stormwater FY23-32 Capital Improvement program total \$331 million over this ten-year CIP. This is a \$298 million increase over the last ten-year CIP.
- Approximately 2/3 of the funding is for stormwater capacity improvements and 1/3 for maintenance capital and water quality projects.

CLIMATE ACTION

- The Amazon-Arlington-Dominion new solar facility is projected to begin operations later this year.
- We expect to meet the County's commitment for 100 percent of its operational electricity needs powered by renewable energy in 2023, two years ahead of the CEP goal.
- The County is projected to have replaced over 35 percent of its non-public safety sedans with electric vehicles as soon as the FY 2023 vehicles arrive.
- New construction of government facilities meets at least Silver LEED standards.
- The 2022 Green Building Bonus Incentive Program has enrolled projects representing 5 million square feet of new commercial development, more than double the 2020 program performance.
- New County Manager's Office Climate Policy position is being advertised.

<https://www.arlingtonva.us/Flooding>

<https://www.arlingtonenergy.us>