

# QUARTERLY IMPACT REPORT

The Resilience Authority of Annapolis and Anne Arundel County was established to accelerate the planning, financing, and delivery of resilient infrastructure in the City of Annapolis and Anne Arundel County to protect and future-proof the region from climate impacts.

## What We Do



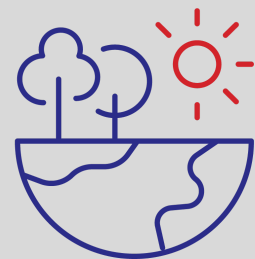
### Communities and Infrastructure

The Resilience Authority invests in projects that strengthen the resilience of public and private infrastructure—protecting essential services, reducing risk from flooding, heat, and storms, and ensuring communities remain safe, connected, and adaptable in the face of environmental challenges.



### Energy Resilience

The Resilience Authority partners with the County and City to accelerate the region's transition to renewable energy while investing in a more reliable, resilient energy system—especially in economically vulnerable communities.



### Nature and Resources

The Resilience Authority works with the County and City to restore and protect natural infrastructure—such as wetlands, forests, and floodplains—to reduce disaster risk and build resilient ecosystems that provide cleaner air and water, wildlife habitat, recreational spaces, and long-term community benefits.

## Highlights this Quarter (July - September 2026)

- **Bywater Community Resilience Park (Annapolis)** | During the quarter, the Resilience Authority continued working with the City of Annapolis to advance the Bywater Community Resilience Park, a neighborhood-scale project designed to transform an underutilized area into a dual-purpose community green space and stormwater resilience asset. The project will explore opportunities to improve stormwater management and reduce localized flooding while creating an accessible community

gateway and public green space for the Bywater neighborhood. The Resilience Authority and City are now coordinating project agreements and next steps to move the project into planning and design.

- **Carrs Beach (Annapolis)** | Engineering and design for the beach restoration and shoreline stabilization project are substantially complete, with permitting and regulatory coordination continuing across federal, state, and local agencies. The public notice period for the project's Water Quality Certification closed on August 15, 2026, and project partners met with Critical Area Commission staff to review the project's resilience and environmental benefits. During the quarter, the State also approved \$1 million through the Severn Whole Watershed Partnership to support implementation of the living shoreline and beach restoration.
- **City of Annapolis L-GEM Energy Modernization Grant Award (Annapolis)** | The Resilience Authority supported the City of Annapolis in securing Maryland Energy Administration L-GEM funding to advance two priority energy-efficiency initiatives. The City received \$108,500 to conduct a citywide outdoor lighting energy audit and develop a Building Energy Performance Standards (BEPS) Action Plan for the Pip Moyer Recreation Center, providing a roadmap for future energy and emissions reductions. The City was also awarded \$300,000 to implement the conversion of 628 outdoor lighting fixtures to energy-efficient LED technology. Together, these investments position the City to reduce energy consumption, greenhouse gas emissions, and operating costs while advancing implementation of its broader clean-energy and sustainability goals.
- **City Dock Resilience Initiative (Annapolis)** | Construction of the Annapolis City Dock Resilience and Revitalization Project continues to advance. Major flood-protection infrastructure is taking shape, with most concrete flood walls now installed and work continuing on the stormwater management, pumping, utility, and public-space improvements. Construction of City Dock Park, rehabilitation of the historic Burtis House, and development of the new Maritime Welcome Center are also progressing. The current schedule anticipates reopening the Ego Alley boardwalk in March 2027, followed by completion and opening of City Dock Park and the Maritime Welcome Center as early as July 2027. Phase II resilience improvements along Upper Dock Street, the head of Ego Alley, and Compromise Street are expected to continue from summer 2027 into spring 2028. Construction activities are being temporarily coordinated around the October 2026 Annapolis Boat Shows without affecting the overall project schedule.
- **Hawkins Cove Restoration (Annapolis)** | The Resilience Authority supported the City of Annapolis in securing state funding to advance restoration of Hawkins Cove. The project will enhance public access to the waterfront, improve shoreline resilience and habitat, and reduce pollution entering Spa Creek, the Severn River, and the Chesapeake Bay. Developed collaboratively with City staff and initially proposed through the Whole Watershed Fund, the project was ultimately awarded funding through Maryland's Chesapeake and Atlantic Coastal Bays Trust Fund.
- **Mobility Feasibility Study (Annapolis)** | This quarter, the Resilience Authority and its partners advanced consultant selection for the Annapolis Mobility Feasibility Study following receipt of four proposals and completion of finalist interviews. Supported by the Resilience Authority, Anne Arundel County, the City of Annapolis, and the Denker Foundation, the study will evaluate fixed-rail concepts and other mobility alternatives connecting Downtown Annapolis, West Street, and Parole. The effort will

assess feasibility, costs, constraints, and funding opportunities to inform future transportation investments that improve connectivity, reduce congestion, and support the region's long-term resilience and economic vitality.

- **Spa Road Brownfields Cleanup** (*Annapolis*) | In June 2026, the Resilience Authority was notified of a \$4 million EPA Brownfields Cleanup Grant to support remediation and redevelopment of the Spa Road site. In partnership with the City of Annapolis, the Authority has completed the required application process and is awaiting final award documentation to initiate cleanup and redevelopment activities. During the quarter, the project team continued coordination through planning meetings and site visits, with a focus on advancing a redevelopment strategy for the properties that currently envisions a mix of mixed-income housing, municipal offices, and retail space. Upon release of the federal funding, the team will move forward with procurement of the cleanup and development expertise needed to advance the project toward implementation.
- **L-GEM Energy Modernization Grant Award** (*Annapolis*) | The Resilience Authority supported the City of Annapolis in securing Maryland Energy Administration L-GEM funding to advance two priority energy-efficiency initiatives. The City received \$108,500 to conduct a citywide outdoor lighting energy audit and develop a Building Energy Performance Standards (BEPS) Action Plan for the Pip Moyer Recreation Center, providing a roadmap for future energy and emissions reductions. The City was also awarded \$300,000 to implement the conversion of 628 outdoor lighting fixtures to energy-efficient LED technology. Together, these investments position the City to reduce energy consumption, greenhouse gas emissions, and operating costs while advancing implementation of its broader clean-energy and sustainability goals.
- **Edgewater Recreation and Community Center** (*Anne Arundel*) | The Edgewater Recreation and Community Center reached a major milestone this quarter, transitioning from design into active construction in September 2026, with completion anticipated in July 2027. Initial demolition and site preparation are underway. Innovative reuse of the existing structure, including raising portions of the roofline, will accommodate a new gymnasium, indoor playground, and elevated walking track while incorporating energy-efficient systems and accessible, multigenerational spaces. In partnership with the County's Department of Recreation and Parks, the Resilience Authority is also pursuing additional funding for Phase II site improvements focused on stormwater management, environmental restoration, renewable energy, and nature-based solutions. Together, these investments are transforming a long-vacant commercial property into a resilient community asset that integrates recreation, wellness, sustainability, and environmental stewardship.
- **Electric Vehicle Charging Infrastructure** (*Anne Arundel*) | Phase I of Anne Arundel County's fleet electrification initiative continues to advance, with EV infrastructure evaluations, schematics, and conceptual designs completed for the original 10 County pilot sites. BGE has returned design applications for nine of the 10 sites, advancing utility coordination and implementation planning. The Resilience Authority has also leveraged the County's existing design and engineering work to support an EV charging pilot for the City of Annapolis, creating opportunities for a more coordinated regional charging network. On September 11, 2026, the project team conducted site visits with County Department of Transportation staff to evaluate additional transit charging opportunities and future fleet needs. The Authority also secured additional funding through the Maryland State Highway Administration to begin 30% design and NEPA review for the next 17 priority sites

identified by the County fleet, expanding the pipeline for future EV infrastructure deployment. Final design packages and fixed-price proposals for the initial pilot sites are now being developed to support implementation.

- **Glen Burnie Town Center** (*Anne Arundel*) | The Glen Burnie Town Center Plaza project advanced significantly this quarter. The Resilience Authority finalized and submitted the Housing and Urban Development application for review on August 20, 2026, positioning the project to access its \$1.05 million federal award. The design team advanced the project to approximately 30% design, with continued refinement of the playspace, fountain, pavilion, and stormwater management features. The Authority also submitted a \$1.17 million grant request to the Maryland Department of Housing and Community Development on August 6, 2026, to support construction of the plaza and leverage the existing federal and County investment.
- **Historic Whitehall Manor Shoreline** (*Anne Arundel County*) | During the quarter, the Resilience Authority and Anne Arundel County received notification of a \$226,000 federal Congressionally Directed Spending award to advance restoration of the Historic Whitehall Manor shoreline. The FEMA funding will support efforts to address severe shoreline erosion, improve coastal resilience, and reduce sediment and nutrient inputs to the Chesapeake Bay. The Resilience Authority is working with County and project partners to finalize the necessary award and project agreements and prepare the project for implementation. The investment will advance a nature-based approach to protecting the historic waterfront property while improving shoreline stability, water quality, and habitat.
- **Jonas and Anne Catharine Green Park** (*Anne Arundel*) | During the quarter, the Resilience Authority, in partnership with Anne Arundel County Recreation & Parks, BayLand Consultants & Designers, and Cedar, advanced the project's 30% design toward interagency review and permitting. The team also evaluated opportunities to address unmanaged stormwater entering the park from Route 450, completing site surveys and developing a concept that integrates stormwater management with a new walking trail along the roadway. Coordination with the Maryland State Highway Administration advanced potential solutions for Route 450 runoff, while the team also explored oyster reef substrates and other nature-based approaches to enhance habitat, strengthen shoreline resilience, and maintain public access for boats and kayaks.
- **Maynadier Creek Shoreline Restoration** (*Anne Arundel County*) | During this quarter, the Resilience Authority received a notice that their Maynadier Creek project was selected for funding through Maryland DNR's FY2027 climate resilience program to advance design of a nature-based living shoreline that will protect adjacent tidal marsh, reduce vulnerability along River Road, and preserve and enhance important bird habitat. The project represents an important first step toward addressing shoreline erosion and coastal flooding within the Maynadier Creek community. The Authority and project partners are currently finalizing award agreements and project task agreements to position all three projects for implementation.
- **Quiet Waters Park** (*Anne Arundel*) | The Resilience Authority, in partnership with Anne Arundel County Recreation & Parks, received Stantec's final shoreline assessment identifying priority restoration areas, recommended resilience strategies, and estimated implementation costs. Building on this work, the team is preparing the next phase of the project, which will

advance the design and construction of the southernmost shoreline near the Quiet Waters Retreat—identified as the area most vulnerable to erosion, storm surge, and sea-level rise.

- **L-GEM Energy Modernization Grant Award (Anne Arundel County)** | The Resilience Authority, in partnership with Anne Arundel County, advanced implementation of the Maryland Energy Administration’s \$4.3 million Local Government Energy Modernization (L-GEM) award during the quarter. The project team completed the required documentation, technical analysis, and project development work necessary to receive MEA’s Notice to Proceed for the pilot solar carport project at the Heritage Government Complex. The Authority also placed a solar developer under contract and completed the required safe-harbor actions to preserve eligibility for the federal Investment Tax Credit, an important component of the project’s financing strategy. With these milestones achieved, the Heritage project is positioned to move from planning and analysis into implementation as the first project in a broader portfolio of County renewable energy investments.
- **Resilient and Ready Anne Arundel (Regional)** | The Resilience Authority, in partnership with Anne Arundel County and the City of Annapolis, continues to advance Resilient & Ready Anne Arundel toward its core objective: a stakeholder-informed Portfolio of Projects that identifies high-priority resilience investments where the Authority can have the greatest impact and connects those projects with viable funding, financing, and revenue strategies. Over the past quarter, the project team advanced stakeholder interviews and focus groups, reviewed existing plans, and continued development of a cross-jurisdictional project inventory. The team also completed a comprehensive inventory of funding, financing, and revenue mechanisms and began developing recommended capital stacks and funding roadmaps for representative keystone projects. In parallel, solar opportunity analysis continued to identify implementation-ready sites, maximize available L-GEM funding, and inform a broader regional solar strategy. A prototype of the dashboard is now under development and will provide the Authority and its partners with an actionable framework for moving priority resilience projects from planning toward funding and implementation.
- **Severn River Whole Watershed Partnership (Regional)** | The Resilience Authority continued its leadership role with the Severn River Whole Watershed Partnership, working with the State Management Team (SMT) and local partners to advance Year 1 implementation, develop the program’s monitoring plan, and finalize the grant agreement and budget for Year 2. During the quarter, the Authority also met with the SMT and Maryland DNR Secretary to review progress and discuss the program’s long-term goals and trajectory. Year 1 projects, including Brewer’s Cemetery SPSC and Merryman Stream Restoration, continued to advance toward implementation. Year 2 funding will expand the portfolio to include Carr’s Beach Resilient Shoreline, South Fork Meadow Restoration, Truxton Cove Stream Restoration, Oyster Recovery Program’s Build a Reef, Mulberry Hills Public Access, and design work at Holladay Tributary, Saltworks Creek, and Crownsville Veterans Cemetery.

# By the Numbers (through FY26)

|                                                                                   |                                                                                   |                                                                                     |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |
| <b>\$79 Million</b><br>For infrastructure projects since inception.               | <b>48 Projects</b><br>Total projects since inception.                             | <b>\$91.2 Million</b><br>Savings in avoided climate-related damages.                |

## Resilience Authority’s Project Dashboard

| Initiative                                                    | Jurisdiction   | Typology         | Status         |
|---------------------------------------------------------------|----------------|------------------|----------------|
| Annapolis City Police Headquarters EV Charging Infrastructure | Annapolis ▾    | Energy ▾         | Design ▾       |
| Annapolis City Dock Resilience Project                        | Annapolis ▾    | Infrastructure ▾ | Construction ▾ |
| Annapolis Maritime Resilience Initiative                      | Annapolis ▾    | Infrastructure ▾ | Completed ▾    |
| Beverly-Triton Nature Park and Beach                          | Anne Arundel ▾ | Infrastructure ▾ | Engineering ▾  |
| Bywater Community Gateway Resilience Park                     | Annapolis ▾    | Infrastructure ▾ | Scoping ▾      |
| Carrs and Elktonia Beach & Living Shoreline                   | Annapolis ▾    | Multi-Benefit ▾  | Permitting ▾   |
| Carrs Beach Park Master Plan                                  | Annapolis ▾    | Infrastructure ▾ | Completed ▾    |
| Chestnut Hill Cove                                            | Anne Arundel ▾ | Infrastructure ▾ | Completed ▾    |
| Climate Pollution Reduction/Baltimore MSA                     | Regional ▾     | Multi-Benefit ▾  | Completed ▾    |
| Columbia Beach Community Flooding                             | Anne Arundel ▾ | Infrastructure ▾ | Design ▾       |
| Edgewater Recreation and Community Cntr                       | Anne Arundel ▾ | Infrastructure ▾ | Permitting ▾   |
| EV Charging Infrastructure (Phase I)                          | Anne Arundel ▾ | Energy ▾         | Permitting ▾   |
| EV Charging Infrastructure (Phase II)                         | Anne Arundel ▾ | Energy ▾         | Contracting ▾  |

|                                                  |                |                  |                |
|--------------------------------------------------|----------------|------------------|----------------|
| Fort Meade MIRR                                  | Anne Arundel ▾ | Infrastructure ▾ | Scoping ▾      |
| Glen Burnie Town Center                          | Anne Arundel ▾ | Infrastructure ▾ | Design ▾       |
| Jabez Phase III                                  | Anne Arundel ▾ | Nature ▾         | Completed ▾    |
| Jonas and Anne Catherine Green Park              | Anne Arundel ▾ | Infrastructure ▾ | Engineering ▾  |
| Mobility Feasibility Study                       | Regional ▾     | Infrastructure ▾ | Contracting ▾  |
| Maynadier Living Shoreline and Marsh Restoration | Anne Arundel ▾ | Nature ▾         | Scoping ▾      |
| Municipal Investment Fund                        | Annapolis ▾    | Infrastructure ▾ | Scoping ▾      |
| Quiet Waters Resilience Assessment               | Anne Arundel ▾ | Infrastructure ▾ | Completed ▾    |
| Resilient and Efficient Codes                    | Annapolis ▾    | Energy ▾         | Paused ▾       |
| Resilient and Ready Anne Arundel                 | Regional ▾     | Multi-Benefit ▾  | Design ▾       |
| Sea Level Sensors                                | Regional ▾     | Multi-Benefit ▾  | Construction ▾ |
| Severn River Private Shoreline P3 Pilot          | Anne Arundel ▾ | Infrastructure ▾ | Engineering ▾  |
| South County Resilience Initiative               | Anne Arundel ▾ | Infrastructure ▾ | Design ▾       |
| Spa Road Cleanup and Redevelopment               | Annapolis ▾    | Nature ▾         | Scoping ▾      |
| Study Tour on Resilience (Netherlands)           | Regional ▾     | Multi-Benefit ▾  | Completed ▾    |
| Study Tour on Sustainability (Sweden)            | Regional ▾     | Multi-Benefit ▾  | Completed ▾    |
| Tolson and Northwest Street Parks                | Annapolis ▾    | Infrastructure ▾ | Scoping ▾      |
| Tracy's Landing Community Resiliency             | Anne Arundel ▾ | Infrastructure ▾ | Scoping ▾      |
| Waterworks Resilience Park                       | Annapolis ▾    | Infrastructure ▾ | Scoping ▾      |
| West County Aquatic Center Feasibility Study     | Anne Arundel ▾ | Infrastructure ▾ | Design ▾       |
| Whitehall Manor Living Shoreline                 | Annapolis ▾    | Nature ▾         | Scoping ▾      |
| Whole Watershed Act / Key Point Giant SWM        | Annapolis ▾    | Nature ▾         | Completed ▾    |
| Whole Watershed Act / Wardour SWM                | Annapolis ▾    | Nature ▾         | Completed ▾    |
| Whole Watershed Act / Truxton Community SWM      | Annapolis ▾    | Nature ▾         | Construction ▾ |

|                                                            |                |          |                |
|------------------------------------------------------------|----------------|----------|----------------|
| Whole Watershed Act / Brewer's Hill Cemetery SPSC          | Annapolis ▾    | Nature ▾ | Construction ▾ |
| Whole Watershed Act / Merryman Stream Restoration          | Annapolis ▾    | Nature ▾ | Permitting ▾   |
| Whole Watershed Act / Oyster Recovery Build A Reef         | Anne Arundel ▾ | Nature ▾ | Design ▾       |
| Whole Watershed Act / Mulberry Hills Public Access         | Annapolis ▾    | Nature ▾ | Scoping ▾      |
| Whole Watershed Act / Rideout Creek Gully Stabilization    | Anne Arundel ▾ | Nature ▾ | Contracting ▾  |
| Whole Watershed Act / South Fork Meadow Restoration        | Annapolis ▾    | Nature ▾ | Scoping ▾      |
| Whole Watershed Act / Truxton Cove Stream Restoration      | Annapolis ▾    | Nature ▾ | Scoping ▾      |
| Whole Watershed Act / Holladay Tributary Restoration       | Anne Arundel ▾ | Nature ▾ | Scoping ▾      |
| Whole Watershed Act / Saltworks Creek Stream Restoration   | Annapolis ▾    | Nature ▾ | Scoping ▾      |
| Whole Watershed Act / Veteran's Cemetery Gully Restoration | Anne Arundel ▾ | Nature ▾ | Scoping ▾      |

## Our Projects

### CITY OF ANNAPOLIS

**The Annapolis Maritime Resilience Initiative (AMRI)** | The Annapolis Maritime Resilience Initiative (AMRI) is a nature-based resilience pilot to demonstrate community scale strategies to enhance resilience in the Maritime District of the City of Annapolis, MD. In addition to helping the coastal areas that encompass the Annapolis Maritime District build environmental, economic, and social resilience in the face of climate change, this pilot seeks to demonstrate that resilience strategies, if done at the community scale, can provide more collective protection than when they are done randomly or ad hoc.

**Carr's and Elktonia Beach** | Design and engineering firm McAdams, along with SCAPE, were selected by the City of Annapolis -- in partnership with the Resilience Authority of

Annapolis and Anne Arundel County -- to guide the transformation of the famed former segregation-era resort. Internationally-recognized Mitchell J. Silver, of McAdams - who was named one of the top 100 urbanists in the world in 2023 -- and Kate Orff from SCAPE -- the first landscape architect to be named a MacArthur Fellow -- will lead a team that includes MBP, Creative Urban Alchemy, Underwood and Associates and Synergy Solutions. Under the Master Plan, the five-acre site will become a new park designed to acknowledge and celebrate Chesapeake Bay's historic Black beaches. The work will involve landscape design as well as shoreline restoration to protect the new park and its beach from the impacts of climate change. When completed, the 5.17-acre property will provide stormwater management, opportunities for walking paths and public water access where public water access is currently limited.

**Bywater Community Gateway Resilience Park** | The City of Annapolis, in partnership with the Resilience Authority, seeks to create a community park at the bus stop on Bywater Road including stormwater management to reduce roadway flooding during storm events, improved vegetation and park amenities.

**Resilient and Efficient Codes Implementation** | The Resilience Authority and the City of Annapolis, along with a team led by ClearlyEnergy, was granted a \$1.7m award from the U.S. Department of Energy's Resilient and Efficient Codes Implementation grant program. When complete the project will produce a model code, a pilot program, and tools to implement the project recommendations.

**Spa Road Brownfields Cleanup & Redevelopment** | The Resilience Authority, in partnership with the City of Annapolis, is advancing efforts to clean up the contaminated Public Works site on Spa Road to prepare the property for future affordable housing and municipal infrastructure. In support of the project, the Resilience Authority is leading the development of a grant application under the EPA Brownfields Program. To facilitate eligibility for federal funding, the temporary transfer of the property to the Resilience Authority was approved. The Authority's role is limited to site remediation, ensuring that any future redevelopment is pursued with sustainability and resilience at its core. Once grant conditions are met, ownership will revert back to the City.

**Tolson and Northwest Street Parks** | The City of Annapolis, in partnership with the Resilience Authority seeks to achieve water quality improvements and increased public water access for residents through restored and expanded natural areas. This project is able to address numerous program priorities, goals, and objectives because it focuses on two urban tributaries of the Severn River that are major sources of urban runoff and shoreline erosion. These projects also fill a critical gap connecting communities to public water access,

allowing for a deeper connection between residents and the rich history of these creeks.

**Waterworks Resilience Park** | The City of Annapolis, in partnership with the Resilience Authority, seeks to create new and refurbished environmental, recreational, and community amenities at the existing Waterworks Park located at 260 Defense Highway, Annapolis, Maryland 21401. The Resilience Authority served as a technical consultant and led a solicitation and review process for the City from entities that can clearly demonstrate their ability to assess, finance, maintain, and conduct high-quality operations with regard to climate resiliency and environmental responsibility in order to develop the first sustainable and resilient Waterworks Park in the region (the "Waterworks Resilience Park")

**Whitehall Manor Living Shoreline** | The Resilience Authority will utilize federal funding to implement a living shoreline protection project to accelerate the recovery and restoration of natural resources in Whitehall and Meredith Creeks in the Severn River watershed.

**Whole Watershed: KeyPoint Giant SWM** | Severn River Association received Whole Watershed funding to build stormwater bioretention facilities at the Key Point parking lot near Giant on Bay Ridge Road. The bioretention facilities manage previously unmitigated stormwater negatively impacts local waterways, bringing sediment and toxics from parking lots and roadways, increasing stream temperatures, and negatively impacting habitat, water quality and stream corridor resilience. The practices most directly address water quality through enhanced retention time and flow management; climate resilience through enhanced flood mitigation and ability to sustain increased storm events; and public health by increasing vegetation and reducing flood events that negatively impact roadways and housing.

**Whole Watershed: Wardour Community SWM** | Severn River Association received Whole Watershed funding to address stormwater management on community-owned land. A stormwater step pool conveyance and swale manage previously unmitigated stormwater negatively impacts local waterways, bringing sediment and toxics from parking lots and roadways, increasing stream temperatures, and negatively impacting habitat, water quality and stream corridor resilience. The practices most directly address water quality through enhanced retention time and flow management; climate resilience through enhanced flood mitigation and ability to sustain increased storm events; and public health by increasing vegetation and reducing flood events that negatively impact roadways and housing.

**Whole Watershed: Truxton Cove SWM** | Spa Creek Conservancy received Whole Watershed funding to address stormwater management in the Truxton Cove community. A submerged gravel wetland and bioretention facility will manage previously unmitigated stormwater negatively impacts local waterways, bringing sediment and toxics from parking lots and roadways, increasing stream temperatures, and negatively impacting habitat, water quality and stream corridor resilience. The practices most directly address water quality through enhanced retention time and flow management; climate resilience through enhanced flood mitigation and ability to sustain increased storm events; and public health by increasing vegetation and reducing flood events that negatively impact roadways and housing.

**Whole Watershed: Truxton Cove Stream Restoration** | Spa Creek Conservancy received Whole Watershed funding to restore an eroded headwater stream that runs through the Landings, North Green, and Saltaire neighborhoods, located within the Truxton Cove subwatershed.

**Whole Watershed: Brewer's Hill Cemetery SPSC** | The City of Annapolis received Whole Watershed funds to establish five

hundred feet of new step pool stormwater conveyance via a series of weirs and pools within the degrading stream bed in the Brewer's Hill Cemetery on West Street. The City collaborated with cemetery representatives to develop a project to address existing stream erosion without requiring excavation or encroachment to existing grave areas. The Resilience Authority is supporting the construction bid and oversight of the project implementation.

**Whole Watershed: Merryman Stream Restoration** | Following sewer rehabilitation, the City of Annapolis received Whole Watershed funds to restore approximately 490 linear feet of stream valley along a tributary to Spa Creek near Merryman Road and inspect and line the aging sanitary sewer infrastructure located in the valley. The restoration will cost-effectively improve water quality by reducing erosion and sediment at the headwaters of Spa Creek and protect adjacent vital infrastructure for failures by stabilizing the channel. Additional benefits include enhanced aquatic and riparian habitats, stormwater management, and localized flood mitigation for adjacent communities.

**Whole Watershed: Oyster Recovery Build A Reef** | Oyster Recovery Partnership received Whole Watershed funds to restore the Bay's native oyster population through building sanctuary reefs, rebuilding public fishery reefs, supporting the aquaculture (oyster farming) industry, recycling oyster shell, involving stakeholders in the restoration planning process, and getting the public involved through hands-on volunteering and events.

**Whole Watershed: Rideout Creek Gully Stabilization** | Severn Riverkeeper received Whole Watershed funds to construct a 238 linear foot regenerative stormwater conveyance, 0.48 acres of wetland creation and plant 157 trees. The practice most directly addresses water quality through enhanced retention time and flow management;

climate resilience through enhanced flood mitigation and ability to sustain increased storm events; and public health by increasing vegetation and reducing flood events that negatively impact roadways and housing.

**Whole Watershed: Saltworks Creek Stream Restoration** | Severn Riverkeeper received Whole Watershed funds to restore and rehydrate the streams, adjacent floodplain and riparian areas within the tributary systems of Saltworks by the installation of RSCs in order to treat significant runoff.

**Whole Watershed: Mulberry Hills Public Access** | Breaking Boundaries Environmental received Whole Watershed funds to implement a historic trail system in a descendent community with a pier for public access and education in Mill Creek.

## **Anne Arundel County**

**Jonas and Anne Catharine Green Park** | This innovative project seeks to build up the park's resiliency to erosion and other climate and weather-related impacts. The coastal restoration project will utilize vegetated headlands which mimic naturally occurring coastal processes found on the shores of the Severn River. The benefits of implementing this project will be to reduce the erosion rate, protect existing beach and shallow water habitat, and protect the walking paths along the shoreline.

**Beverly-Triton Nature Park and Beach** | The purpose of this project is to design and construct shoreline restoration and improvements within the 342 acre Beverly-Triton Nature Park necessary to prevent the loss of the County's investment in waterfront property. The project seeks to build up the park's resiliency to erosion and other climate and weather-related impacts. The coastal restoration project will use breakwaters

and beach restoration to dissipate wave energy and stabilize the existing shoreline.

**Chestnut Hill Cove Community Flooding** | Tidal and non-tidal flooding has resulted in the degradation of coastal habitat and shoreline stability threatening the Chestnut Hill Cove Community. The project tied into emergency repairs completed by Anne Arundel County and Baltimore Gas and Electric, and mitigation completed by a commercial developer. Phase III of this project was completed in 2025, using a combination of state and federal funds.

**Columbia Beach Community Flooding** | The project implements a comprehensive, sustainable, and environmentally resilient upgrade of the stormwater conveyance system in the historically Black community of Columbia Beach, Maryland, and provides a mitigation model suitable for similar communities. The project prioritizes efficient mechanisms to remove stormwater from roads and community property, transfer stormwater and runoff to new or existing holding/infiltration devices, and improve water quality before discharge into the Chesapeake Bay.

**Edgewater Recreation and Community Center** | The project will transform a vacant, five-acre site formerly home to a Giant Food store into the Edgewater Recreation and Community Center—a modern hub for recreation, education, and environmental resilience. The center will offer modern amenities, multi-purpose spaces, and innovative programming to support recreation, education, and environmental stewardship.

**EV Charging Infrastructure** | The Resilience Authority will support the County in the installation of Electric Vehicle Charging Stations and services. In 2020, Anne Arundel County Government committed to the immediate replacement of conventional vehicles with more efficient models where possible, and began a long-range planning effort to identify the

infrastructure, maintenance, and personnel needed to convert the fleet to all-electric vehicles within the next 15 years. The fleet will be gradually converted as vehicles are replaced with hybrid, plug-in electric, and all-electric models. By 2032, all non-emergency light and medium-duty vehicles purchased must be all-electric models, and by 2037, all light and medium-duty emergency vehicles purchased must be all-electric models.

**Galesville Community Resilience Initiative** | This project seeks to develop a community-led ecological restoration project that will: (a) connect at-risk shoreline points via a shrub, vegetation, and boulder stormwater filtration system; (b) add shoreline to protect against flooding; (c) install green stormwater management infrastructure to protect Galesville's Main Street Corridor and the Ebenezer African Methodist Episcopal Church and its adjacent cemetery; and (d) develop a walkway that facilitates waterfront access for all. This Master Plan will integrate existing stormwater infrastructure with new treatment practices, such as decentralized bio-retention and bio swales well-suited for integration into the Main Street corridor, helping to address runoff discharge. A living shoreline with sand and nature-based beach features will help deter flooding. Reduced sedimentation will create more suitable habitat for oysters and submerged aquatic vegetation and highly valuable nursery and foraging grounds for key Chesapeake species.

**Glen Burnie Town Center Resilience Project** | This innovative project envisions transforming the "heart" of Glen Burnie, physically centered around Glen Burnie Town Center, into a vibrant, resilient, sustainable hub for the community, benefiting both the environment and the local residents. The GBTC revitalization will create new green public amenities that can be accessed and enjoyed by all members of the community. The project will prepare for and address climate change by mitigating urban heat islands and reducing air and water pollution, leveraging nature-based solutions like

permeable pavements, green infrastructure, and native planting to ensure long-term environmental sustainability. The revitalized GBTC will become a destination with more walkable, sittable, green spaces that encourage community connection, support local commerce, and promote physical and mental health.

**Jabez Branch Coastal Resilience Project** | The project was successfully completed in 2024, marking a major milestone in the restoration of one of Anne Arundel County's most degraded waterways. Delivered through a partnership among Anne Arundel County, the Maryland Department of Natural Resources, the Resilience Authority of Annapolis and Anne Arundel County, the National Fish and Wildlife Foundation, and the Severn Riverkeeper, the project stabilized the stream channel, reconnected the floodplain, expanded wetlands, and reduced sediment pollution entering the Severn River. Funded with approximately \$8.1 million from the Maryland Department of Natural Resources and additional support from the National Fish and Wildlife Foundation, the project demonstrates how coordinated investment in natural infrastructure can improve water quality, restore habitat, and strengthen long-term climate resilience for local communities.

**Maynadier Creek Living Shoreline and Marsh Restoration** | This project will reduce flooding on a public roadway in Crownsville by establishing a living shoreline to enhance and protect tidal marsh. The project will also address invasive phragmites and establish native vegetation to improve bird habitat and promote long-term resilience.

**Quiet Waters Resilience Assessment** | Projects will be identified, designed and constructed to build up the park's resiliency to erosion and other climate and weather-related impacts. Following an assessment of the park to prioritize areas in most need of restoration, the coastal restoration projects will prioritize designs that will dissipate wave energy, stabilize the existing shoreline and create and enhance a

mosaic of estuarine habitats, including tidal marsh, upland wetland, beach strand, and submerged aquatic vegetation habitat.

**Severn River Private Shoreline Restoration** | The pilot projects implement nature-based shoreline erosion mitigation measures to combat erosion and soften the shoreline at two private shorelines on the Severn River. These projects will be funded 50/50 between a grant from the Maryland Department of Natural Resources through the Chesapeake and Atlantic Coastal Bays Trust Fund and funding from the private property owners. The projects will serve as a pilot for the Resilience Authority's public-private partnership (P3) for private shorelines in Anne Arundel County, which comprise more than ¾ of the 500+ miles of shoreline in the County.

**South County Resilience Initiative** | This project seeks to enhance the coastal resilience and environmental benefits for the South County shoreline through beneficial use of dredged material from South County channels. Furthermore, it is anticipated that construction of the sites will result in an approximate 25 percent cost savings over the traditional method of dredged material placement. These concepts will preserve upland DMP Site capacity while reducing overall dredging program cost. It is anticipated that the projects will qualify for funding through the DNR Waterway Improvements Program (WIP).

**Whole Watershed: South Fork Meadow Restoration** | Center for Ecosystem Recovery received Whole Watershed funding to plant a warm season grass meadow buffer with a bioswale installation to infiltrate stormwater runoff, reduce sediment transport, and provide water quality enhancement and habitat restoration.

**Whole Watershed: Crownsville Veteran's Cemetery Gully Restoration** | Severn Riverkeeper received Whole Watershed funds to restore two rapidly eroding gullies located on the back

side of Maryland Veterans Cemetery on a forested parcel of land with trails that are enjoyed by the Arden on the Severn community. Each gully is over 10 feet deep and nearly 20 feet wide, and they are quickly headcutting towards the cemetery's stormwater infrastructure.

**Whole Watershed: Holladay Tributary Restoration** | Center for Ecosystem Recovery received Whole Watershed funding to reduce sediment transport and temperature spikes that are stressful to brook trout historically found in the West Fork. The treatment of stormwater in the tributary headwaters will reduce the instability of the Holladay Tributary and improve water quality conditions within the perennial stream.

## Regional Projects

**Climate Pollution Reduction Grant/Baltimore MSA** | This work will leverage the Baltimore Regional Climate Pollution Reduction Grant in which a partnership with Baltimore Metropolitan Council secured a \$1M EPA Grant to develop a shared plan for moving the region forward in addressing harmful greenhouse gas emissions. A Regional Greenhouse Gas Inventory and a Priority Climate Action Plan (PCAP) have been completed and the partnership is working on a larger Comprehensive Climate Action Plan (CCAP) and project portfolio. The GHG inventory provides the County with a baseline for project selection and evaluation.

**Climate Change and Sustainability Study Tour** | Funded by the Resilience Authority of Annapolis and Anne Arundel County through \$75,000 in grants from the MHE and Denker Foundations, this week-long Study Tour brought regional leaders together to engage with global experts and examine successful sustainability models firsthand. Sweden, a recognized leader in climate action, is on track to achieve carbon neutrality by 2040, driven by progressive public policies and innovative market strategies.

**Resilience Study Tour** | Funded by the Resilience Authority of Annapolis and Anne Arundel County through grants from the Denker Foundation and the Baltimore Metropolitan Council, City of Annapolis leaders—joined by county and state officials—traveled to the Netherlands on a fact-finding mission. The purpose of the visit was to study innovative Dutch approaches to resilience infrastructure, flood mitigation strategies, and sustainable transportation systems. Insights gained from this international exchange will inform local efforts to strengthen Annapolis’s ability to adapt to the growing impacts of climate change.

**Water Level Rise Sensors** | The new water level monitoring project will bring better monitoring and data collection to help protect coastal communities from the impacts of flooding. The new water level sensors, grant-funded through the University of Maryland, will be part of a larger resilience strategy in places around the county. The data collected will track and measure flooding to inform emergency management on broad resilience strategies.

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