

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



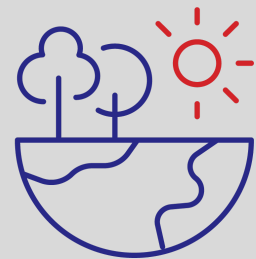
Communities and Infrastructure

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 (January - March 2026)

- **Annapolis Maritime Resilience Initiative (Annapolis)** | The Resilience Authority and its partners completed the Phase I AMRI report that marked a major milestone toward addressing flood vulnerabilities in the Eastport region of Annapolis (Wards 6, 7, and 8). The final report can be reviewed [here](#). Next steps are to secure funding for the 10 priority sites to develop full engineered designs and obtain permits.
- **Carrs Beach (Annapolis)** | Engineering and design for the beach restoration and shoreline stabilization project have been completed, and the project is currently under agency permit review, marking an important step toward implementation. In

addition, the master plan for the park has been finalized, providing a long-term vision for restoration, access, and community use of the site, and a [virtual presentation](#) has been developed to help stakeholders and the public visualize the proposed improvements and overall look and feel of the future park. The Resilience Authority will also participate in an upcoming City Council work session to brief new Council Members on the project status and the long-term vision for the site.




- **City Dock Resilience Initiative** (Annapolis) | After years of coordination and partnership with the Maryland Department of Emergency Management (MDEM), the Federal Emergency Management Agency (FEMA) has signed off on a \$35.5million Hazard Mitigation Grant to fund critical infrastructure to protect and redevelop the Annapolis City Dock.
- **Spa Road Brownfields Cleanup & Redevelopment** (Annapolis) | The Resilience Authority, in partnership with the City of Annapolis, completed and submitted an EPA Brownfields grant application to support cleanup of the contaminated Public Works site on Spa Road, a key step toward preparing the property for future affordable housing and municipal infrastructure. To enable eligibility for federal funding, the property was temporarily transferred to the Authority, which is serving as the grant applicant and will oversee environmental remediation activities if funds are awarded. This work positions the site for future redevelopment while ensuring cleanup is completed in a manner consistent with long-term sustainability and resilience goals, after which ownership will return to the City.
- **Mobility Feasibility Study** (Annapolis) | The Resilience Authority supported the release of a mobility feasibility study for Annapolis, an effort to evaluate long-term, low-carbon transportation options connecting Downtown Annapolis, West Street, and the Parole area. The study was funded through a partnership between the City of Annapolis, Anne Arundel County, and philanthropic support, and reflects growing regional interest in transportation solutions that reduce congestion, improve accessibility, and support climate and resilience goals.
- **Edgewater Recreation and Community Center** (Anne Arundel) | Design and engineering for the Edgewater Recreation and Community Center have been completed, and the project is now advancing into the permitting phase, marking a major milestone in the delivery of one of Anne Arundel County's most transformative community investments. A public meeting was held in January to present the updated design and receive community feedback, which was favorable and reflected strong local support for the project.
- **Electric Vehicle Charging Infrastructure** (Anne Arundel) | Phase I of Anne Arundel County's fleet electrification strategy is now complete, with EV infrastructure evaluations, schematics, and conceptual designs finalized for 10 County-owned facilities. Building on this milestone, the Resilience Authority has executed a construction and installation contract with Ameresco, moving the project from design into implementation. This effort represents a key step in advancing the County's clean fleet strategy while creating the backbone for broader EV adoption in the years ahead.
- **Glen Burnie Town Center** (Anne Arundel) | The extensive engagement with stakeholders and community members informed the conceptual design phase, which is now complete and can be viewed [here](#). The preferred design embraces the existing ice rink while reducing urban heat island effects, improving stormwater management, and expanding green space and

recreational opportunities. WRA and Mahan Rykiel are under contract to advance the concept to full engineered designs with permits expected to be completed by the end of 2026 with construction activities in Winter/Spring 2027.

- **Jonas and Anne Catharine Green Park (Anne Arundel)** | The Resilience Authority, in partnership with Anne Arundel County Recreation & Parks, worked with Bayland Consultants & Designers, Inc. and our in-house Nature-Based Consultant, Cedar, to develop a new concept for the shoreline and park features. This concept involves a resilient beach area, vegetated headlands that are accessible for fishing and other activities, off shore reef balls, and improved walkways and marsh areas for park resilience and use. The 10% concept design is now being advanced to 30%. By combining technical expertise with a strong focus on community benefit, this project is positioned to become a model for how nature-based infrastructure can protect critical assets and provide recreational, ecological, and resilience value to County residents.
- **Quiet Waters Park (Anne Arundel)** | The Resilience Authority, in partnership with Anne Arundel County Recreation & Parks, has selected Stantec as the consulting firm to lead field investigations and technical assessments of shoreline and stormwater threats across priority sites. This work will identify coastal restoration projects designed to address erosion, flooding, and other climate-related impacts, with a strong focus on enhancing shoreline stability and restoring estuarine habitats. Stantec will provide comprehensive site evaluations, integrating engineering analysis with ecological expertise to ensure that proposed projects deliver both long-term protection for County assets and measurable environmental benefits. The investigations will also inform future project prioritization, grant applications, and funding strategies, strengthening the County's ability to advance large-scale resilience efforts.
- **L-GEM Energy Modernization Grant Award (Anne Arundel County)** | The Resilience Authority, in partnership with Anne Arundel County, has been selected to receive an estimated \$4.3 million through the Local Government Energy Modernization (L-GEM) Program, including approximately \$3.56 million for renewable energy projects and \$737,000 for energy efficiency improvements. The Resilience Authority has been actively supporting development of projects eligible for this funding, which will help advance local solar, energy efficiency, and facility modernization initiatives. This award represents a significant opportunity to leverage state energy funding to reduce operating costs, lower emissions, and support long-term resilience across County facilities.
- **South County BUDM Proposal to NCRF (Anne Arundel)** | The Resilience Authority, in partnership with Anne Arundel County was awarded a \$1,007,500 National Coastal Resilience Fund grant, leveraging \$2,916,000 in matching funds, to complete final designs for three marsh restoration projects using Regional Sediment Management to rebuild and protect coastal wetlands. The project will produce shovel-ready designs that use locally sourced dredged material to restore degraded marshes, strengthening natural flood protection, stabilizing shorelines, and improving habitat as sea level rise continues to impact the Chesapeake Bay. This effort also advances a replicable model for managing sediment as a community asset, supporting long-term resilience for coastal communities, infrastructure, and ecosystems.
- **Severn River Whole Watershed Partnership (Regional)** | The Resilience Authority continued its leadership role with the State Management Team and key local partners to continue the implementation of Year 1 projects, developing the Monitoring Plan and prioritizing projects for Year 2. Additionally, the RA has worked with partners to explore alternate funding sources to

realize more projects using the state investment to leverage other local, state and federal funding. Additional information can be reviewed [here](#).

By the Numbers (through FY25)

		
\$50.3 Million For infrastructure projects since inception.	32 Projects Total infrastructure projects since inception.	\$68.2 Million Savings in avoided climate-related damages.

Resilience Authority's Project Dashboard

Initiative	Jurisdiction	Typology	Status
Annapolis City Dock Resilience Project	Annapolis ▾	Infrastructure ▾	Construction ▾
Annapolis Maritime Resilience Initiative	Annapolis ▾	Infrastructure ▾	Engineering ▾
Beverly-Triton Nature Park and Beach	Anne Arundel ▾	Infrastructure ▾	Engineering ▾
Carrs and Elktonia Beach	Annapolis ▾	Infrastructure ▾	Permitting ▾
Carrs Beach Park Master Plan	Annapolis ▾	Infrastructure ▾	Design ▾
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 ▾
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 ▾
Municipal Investment Fund	Annapolis ▾	Infrastructure ▾	Scoping ▾
Quiet Waters Resilience Assessment	Anne Arundel ▾	Infrastructure ▾	Design ▾
Resilient and Efficient Codes	Annapolis ▾	Energy ▾	Paused ▾
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 ▾	Paused ▾
Whole Watershed Act	Regional ▾	Nature ▾	Engineering ▾

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.

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")

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.

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 ¼ 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).

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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