

# RESILIENCE AUTHORITY

Annapolis and Anne Arundel County

Teresa Sutherland,  
Anne Arundel County  
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Nate Betnum,  
City of Annapolis  
*Board Vice Chair*

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City of Annapolis  
*Board Treasurer*

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Anne Arundel County

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Anne Arundel County

Stacy Schaeffer,  
Anne Arundel County

Mike Sewell,  
Anne Arundel County

## **The Resilience Authority of Annapolis and Anne Arundel County** *June, 2024 Principals and Board of Directors Quarterly Meeting Packet*

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**DATE:** June 12, 2024  
**TO:** Principals and Board of Directors  
**FROM:** Matthew Fleming, Executive Director  
**RE:** Meeting Materials - June 20, 2024 Board Meeting

The Resilience Authority of Annapolis and Anne Arundel County Board of Directors will meet Thursday, June 20th from 5 to 7 pm. **This will be a virtual meeting.**

### *Google Meet joining info*

Video call link: <https://meet.google.com/obk-egvw-qdv>

Or dial: (US) +1 832-779-4810 PIN: 949 900 983#

More phone numbers: <https://tel.meet/obk-egvw-qdv?pin=7272554005854>

Attached is a meeting agenda and supporting materials. If you have any questions, please do not hesitate to contact me at 443.370.6951 or by email at [matthew.fleming@aacounty.org](mailto:matthew.fleming@aacounty.org).

**Staff:**  
Matt Fleming,  
Executive Director  
443.370.6951

**Annapolis and Anne Arundel County Resilience Authority**  
**Board of Directors Meeting**

**Thursday, June 20th, 2024 - 5:00 – 7:00 pm - Virtual Meeting**

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Or dial: (US) +1 832-779-4810 PIN: 949 900 983#

More phone numbers: <https://tel.meet/obk-egvw-qdv?pin=7272554005854>

*Part of the meeting may be closed to the public in accordance with the Open Meetings Act procedures*

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**5:00PM**      **GETTING STARTED: ORDER OF THE DAY AND INSTRUCTIONS:** Welcome remarks given by the Chair and Director. *(Teresa Sutherland, Chair & Matt Fleming, Executive Director)*

**5:10PM**      **THE CHAIR’S CORNER:** This is time set aside at every meeting to hear directly from the Board Chair on recent administrative activities. Topics of this meeting will include Board Committees, Executive Committee Positions, Board of Directors Annual Calendar and Resilience Authority Personnel. *(Teresa Sutherland, Chair, Matt Fleming and Kristina Alexander)*

**Materials**

- Board Committees
  - [Draft Update to Bylaws](#)
  - [Committee Policy](#)
- [Executive Committee Positions](#)
- Revised Board Meeting Calendar 2024 and 2025
  - 2024 ~ September 19th, December 19th, 2024
  - 2025 ~ March 20th, June 13th, September 18th, December 18th
- Personnel
  - [Employees Retirement Plan](#)
  - Benefits Pooling Agreement
  - [Director of Operations](#)
  - [Director of Programs](#)

**5:40PM**      **TREASURER’S REPORT** This is time set aside at every meeting to hear directly from the Board Treasurer on the current financial state of the organization. Topics of this meeting may include the investment policy, 4th quarter profit and loss statements and approval of the Resilience Authority’s

*- Posted 06/20/2024 -*

*June 2024 Principles and Board of Directors Quarterly Meeting Packet*

*The Resilience Authority of Annapolis and Anne Arundel County*

FY25 Budget. (Jared Littmann, Treasurer, Nathan Betnum, Vice Chair and Matt Fleming, Executive Director).

Materials

- [Statement of Financial Position](#)
- [Statement of Financial Position Comparison](#)
- [Statement of Activity by Class](#)
- [Accounts Receivable Aging Detail FY24](#)
- [Accounts Payable Aging Detail FY24](#)
- [RA Budget Draft FY25 Budget](#)
- [RA Investment Policy 4.25.24](#)

**6:20PM**      **EXECUTIVE DIRECTOR/STAFF REPORT:** This time is set aside at every meeting to provide the opportunity for the Executive Director to report on activities, operations and seek Board of Director approvals as required. (Matt Fleming, Executive Director and Kristina Alexander, Resilience Associate).

Materials

- [Funded Projects and Emerging Opportunities](#)
- Board Operations and Feedback

**6:50PM**      **New Business and Public Comment:** Opportunity for public comment, input from the Advisory Committee Members, and Board Member discussion.

**6:55PM**      **Wrap Up and Next Steps:** Follow-up items requiring actions by Board or Director will be summarized, a proposed timeline for the next meeting will be discussed followed by a close out. (Teresa Sutherland, Chair)

**7:00PM**      **Meeting Concludes**  
Next Meeting, September 19th 2024 (Tentative)

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*The Resilience Authority quarterly meeting agendas are developed to address issues challenging the region. Topics selected are influenced by availability of science, community interest, timing and opportunity. We welcome your input on posted agendas or as topics for upcoming meetings. If your suggestion is relevant to a posted agenda topic, please submit your comment in writing one week prior to the meeting. To submit your comment, please email [matthew.fleming@aacounty.org](mailto:matthew.fleming@aacounty.org).*

## Looking Around ~ News and Notes

### News and Notes:

- [Jabez Branch Article](#)
- Water Level Sensor Partnership with University of Maryland - [AACo Press Release](#), [Annapolis Capital](#), [WTOP \(online\)](#), [WTOP \(radio\)](#), [WBAL at 5](#) , [WBAL at 6](#), [WJZ at 6](#)
- [Anne Arundel County Council Passes FY25 Budget](#) and [for more information](#)
- [Anne Arundel County River Days](#)
- [Carrs Beach Reunion](#)
- [State Executive Order to Advance Climate Pollution Goals](#)
- [Marine heat waves create habitat squeeze in the Chesapeake, research shows](#)
- [State Legislative Roundup 2024 Session](#)

### Shareable Project Photos:

- [Jabez Branch Progress](#)
- [Sea Level Rise Sensors](#)

## Benefits of our Work



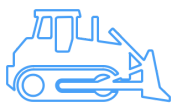
**\$32 Million**

Mobilized for climate resilient infrastructure projects since inception.



**4580% ROI**

Annual operating costs leveraged to secure infrastructure project funding in 2024. .



**\$6.9 Million**

Total investment in climate infrastructure projects since inception.



**\$41 Million**

Savings in avoided losses and damages due to investments in resilience.



**1372 Tons of Carbon**

Lifetime GreenHouse Gas emissions reduced since inception.



**0 Million**

Invested in clean transportation projects since inception.



**36 Communities**

Assisted with a climate infrastructure project since inception.



**1 Completed**

Number of climate infrastructure projects completed since inception.



**\$1.75 Million ~**

Capital committed to projects in underserved communities to date.



**5 Acres**

Of natural infrastructure restored, enhanced or protected since inception.

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The Resilience Authority of Annapolis and Anne Arundel County

## Looking Forward

- **Carrs and Elktonia Beach** ~ Resilience Authority will work with the City of Annapolis to announce selected consultants for Carrs Beach Resilience and Recreation Master Plan and Coastal Restoration project.
- **Anne Arundel County EV Infrastructure** ~ Resilience Authority will work with the County Department of Central Services on executing a progressive design contract for the first phase of the EV Infrastructure.
- **Jabez Branch (Warfield Branch)** ~ Resilience Authority will work with the Department of Natural Resources on a “Ribbon Cutting/Celebration” of the Jabez Floodplain Restoration Project.
- **National Coastal Resilience Fund** ~ Submission final grant proposals for Galesville Community Resilience Initiative and South County Resilience Initiative to the National Fish and Wildlife.
- **Jonas Green Shoreline Rehabilitation Project** ~ Submission of FEMA Cost/Benefit Analysis for Jonas and Catherine Green Park.
- **Fort Meade MIRR Proposal** ~ On behalf of the County and Fort Meade the Resilience Authority will submit a joint letter of interest for a Military Installation Resilience Review to the Department of Defense OLDCC Program.

## Looking Back/Projects and Activity Updates

- **Sea Level Rise Sensors** ~ (Update/New) This month, the Resilience Authority and partners held a press event on June 5th with the University of Maryland President, County Executive, Mayor of Annapolis and State Officials to unveil the Maryland Hydronet. 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.

### Resilient and Healthy Environments:

- **Jabez Branch Floodplain Restoration** ~ (Completed). The project, located in Reach III of the Jabez Branch, addresses a significant erosion and pollution problem by filling the deeply incised channel — 10 feet deep or more in places — with native sands, gravel and wood chips to reconnect it with its floodplain. A series of riffles and pools have been created in the channel to slow the flow and help withstand big storms. 2.6 acres of wetlands enhanced and 2.7 acres restored bordering the stream.

- Posted 06/20/2024 -

- Secured \$9.897M
  - Pending \$0.00M
  - Status ~ Completed
- **Carr's and Elktonia Beach** ~ (Update/New). An intergovernmental review team completed the review and rankings of eight applications in response to the requests for Proposals for the Master Plan and Coastal Restoration at Carrs and Elktonia Beach. The City would like to hold the announcement of the awarded applicants until after the Juneteenth Celebration. When completed, the 5.17-acre property would provide stormwater management, opportunities for walking paths and public water access where public water access is currently limited.
    - Secured \$1.605M
    - Pending \$0.0M
    - Status ~ Award Pending
- **Jonas Green** ~ (Update/New). Secured \$450,000 from FEMA for this innovative project seeking to build up the park's resiliency to erosion and other climate and weather-related impacts. This month, the Resilience Authority began the process of developing an application for the FEMA hazard mitigation funds that were appropriated to this project through Congressionally Directed Spending. The City of Annapolis and the Resilience Authority continue to collaborate on this grant under the Master MOU to secure the project funds for the County.
    - Secured \$450,000
    - Pending \$0.0M
    - Status ~ Award Pending
- **Beverly-Triton Beach and Nature Park** ~ (Update/New). 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. Senators Cardin and Van Hollen have requested \$750,000 for this project through the Congressionally Directed Spending process. The Resilience Authority will finalize the Project Task Agreement with Parks and Recreation in preparation of budget approval.
    - Secured \$4.0M
    - Pending \$750,000
    - Status ~ Award Pending

Resilient Infrastructure and Communities:

- **Resilient and Efficient Codes Implementation** ~ (Update/New) This month, the Resilience Authority worked with ClearlyEnergy and Resilience Authority Board Member Véronique Bugnion to submit an application to the U.S. Department of Energy's Resilient and Efficient Codes Implementation grant program. The project will produce a model code and pilot for building and energy performance standards.
  - Secured \$0M

- Pending \$1.8M
- Status ~ Under Review
  
- **Chestnut Hill Cove Community Flooding ~ (Update/New)** This month, the Resilience Authority finalized the grant agreement with the Maryland Department of Natural Resources. The final grant agreement with NFWF is in effect and the grant is active. The Resilience Authority was able to reduce the cost to the State allowing funds to be returned. DNR grant will be reduced from \$1,388,042 to \$441,625.00, resulting in \$946,417.00 reallocated for other local projects. Final agreements with subcontractors are pending. Tidal and non-tidal flooding has resulted in the degradation of coastal habitat and shoreline stability threatening the Chestnut Hill Cove Community. The project will tie into emergency repairs completed by Anne Arundel County and Baltimore Gas and Electric, and mitigation completed by a commercial developer.
  - Secured \$1.782M
  - Pending \$0M
  - Status ~ Contracting
  
- **Columbia Beach Community Flooding ~ (Update/New)**. This month, Senators Cardin and Van Hollen requested \$750,000 for this project through the Congressionally Directed Spending process for FY25. This 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. A NFWF Chesapeake Small Watershed Grants application for \$1M to mitigate flooding exacerbated by climate change and community growth is under review.
  - Secured \$0M
  - Pending \$1M
  - Status ~ Award Pending
  
- **Glen Burnie Town Center Urban Resilience Project ~ (Update/New)**. This month, the Resilience Authority worked with Anne Arundel County Community Engagement Officer Quanesha Richardson to begin development of a Community Engagement and Collaborative Governance Plan, as well as a Community Strength Plan, which will become as part of the Resilience Authority's application for an EPA Community Change Grant. Secured a \$1.05M federal grant from the Department of Housing and Development and \$500,000 from Anne Arundel County for planning and design through Congressionally Directed Spending. Meetings with HUD have begun to reach a grant agreement.
  - Secured \$1.550M
  - Pending \$12.0M
  - Status ~ Award Pending

- **Annapolis City Dock** ~ (Ongoing) The Resilience Authority continues to investigate the potential EPA Community Change Grant for a portfolio of public water access points in Annapolis, including City Dock. In addition, the Resilience Authority is working with the City to help map project needs and revenue sources. Protecting the City Dock against sea-level rise and flooding is essential for advancing the City's economy and safeguarding the City's cultural and historical heritage. The project's resiliency solutions will help transform the City Dock area into a vibrant community space with shaded gathering spaces, a splash pad, a raised promenade, and seating areas. The project is being developed as a Progressive Public-Private Partnership. Resilience Authority exploring MEMAs Resilient Maryland Revolving Loan Fund as a potential funding source.
  - Secured \$0M
  - Pending \$5M
  - Status ~ Application Pending
  
- **The Annapolis Maritime Resilience Initiative (AMRI)** ~ (Update/New) This month, the Resilience Authority and AMRI partners held a “kick-off” meeting to synthesize various resilience and climate science efforts as the project commences. This nature-based resilience pilot demonstrates community scale strategies to enhance resilience. In addition to helping 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.
  - Secured \$969,000
  - Pending \$0M
  - Status ~ Contracting
  
- **South County Resilience Initiative** ~ (Update/New) This month, the Resilience Authority was invited to submit a full application for NFWF National Coastal Resilience Fund for final design and permitting. Enhancing 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).
  - Secured \$0M
  - Pending \$4.987M
  - Status ~ Under Review
  
- **Galesville Community Resilience Initiative** ~ (Update/New) This month, the Resilience Authority was invited to submit a full application for NFWF National Coastal Resilience Fund 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.

- Secured \$0M
- Pending \$1.350M
- Status ~ Scoping

- **Fort Meade MIRR ~ (Update/New)** This month the Resilience Authority held a meeting between the County and Fort Meade on the joint application for a Military Installation Resilience Review. The principals agreed and are working on a final letter to submit to the Department of Defense OLDCC Program. The project will result in a Resilience Action Plan with recommended resilience actions and prioritized projects, together with recommended funding sources, that focus on shared critical infrastructure, programs, and services. Projects may include energy, water and wastewater, stormwater conveyance, transportation and emergency evacuation, communication networks, health services, community housing, schools, and daycare centers.

- Secured \$0M
- Pending \$850,000
- Status ~ Application Pending

#### GreenHouse Gas Reduction and Clean Energy:

- **EV Infrastructure ~ (Update/New)** This month, the Resilience Authority is negotiating progressive design based contract with the selected vendor and finalized the DOE EECBG grant application for the County. The Resilience Authority also held several meetings with the MDOT and Federal Highways on next steps regarding the federal earmark and have agreed on an approach to use the federal earmark on as a separate phase of the project. Installation of Electric Vehicle Charging Stations and services including but not limited to: furnish and install charging stations, electrical services, transformers, utility poles, panels, breakers, disconnects, conduit, conductors, concrete pads and footings, mounting hardware, safety bollards, new pavement, sidewalk replacement, curbs and landscaping. Wired/wireless network capability.

- Secured \$7M
- Pending \$600,000
- Status ~ Contracting

#### Upcoming Internal or External Events

Date	Time	Event Name	Description
6/3	9:30 - 11 am	Eastport Resiliency Project Coordination Workshop (AMRI)	Meeting about efforts for flood mitigation and resiliency in Eastport in an attempt to streamline and coordinate projects for the most synergy.
6/5	9:00 - 10:00 am	Severn River Action Plan Steering Committee	Comprehensive, long-term strategy for restoration projects. This strategy will rank subwatersheds based on restoration needs on the condition of their habitats, biotic integrity, water quality, pollutant loads, existing restoration efforts and availability of known watershed champions. This assessment provides guidance for future protection and restoration efforts.
6/5	10:30 - 11:30 am	Unveiling the Maryland HydroNet: Sea-Level Sensors in Action in Action in Local Communities	Local leaders discussed how the UMD-funded project will help them better predict when, where, and how much flooding will occur in Anne Arundel and Charles counties.
6/6	1:00 - 2:00 pm	Interview with Baltimore Banner	Discussion of HydroNet: Sea-Level Sensors and innovations in addressing climate impacts.
6/7	12:00 - 1:00 pm	South County Action Committee	Meeting to discuss the status of the coastal resilience project and potential funding opportunities for the South County Resilience Initiative.
6/7	2:00 - 5:00 pm	Stockett Run Stream Stabilization/Harwood Site Visit	Walk potential stream/floodplain restoration project along Stockett Run in Harwood, Maryland.
6/12	10 - 11:30 am	Jabez Coastal Resilience Project Site Visit	Conducted site visit with press and representatives of DNR and MD Coastal Bays to discuss stream restoration project.
6/14	9 am - 10 am	Galesville Waterfront Initiative	On site meeting to discuss opportunities to support flooding and community challenges.
6/19	3 pm - 4 pm	Annapolis Juneteenth to celebrate music heritage of Carr's Beach	To provide remarks about the plans for the coastal restoration work planned at Carrs

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The Resilience Authority of Annapolis and Anne Arundel County

			Beach.
6/20	3 - 4 pm	Resilience Authority Advisory Committee Meeting	Quarterly meeting of Advisory Committee
6/20	5 - 7 pm	Resilience Authority Board of Directors Meeting	The 3rd quarter meeting moved to June to present and review FY25 budget ahead of the fiscal year, discuss potential amendments to the recently approved investment policy, Board Committees and continue discussions on long-term revenue portfolio.
6/25	2 - 3 pm	HMPC Floodplain Management Group	To discuss collaboration opportunities and priorities in the AACO Hazard Mitigation Plan update.