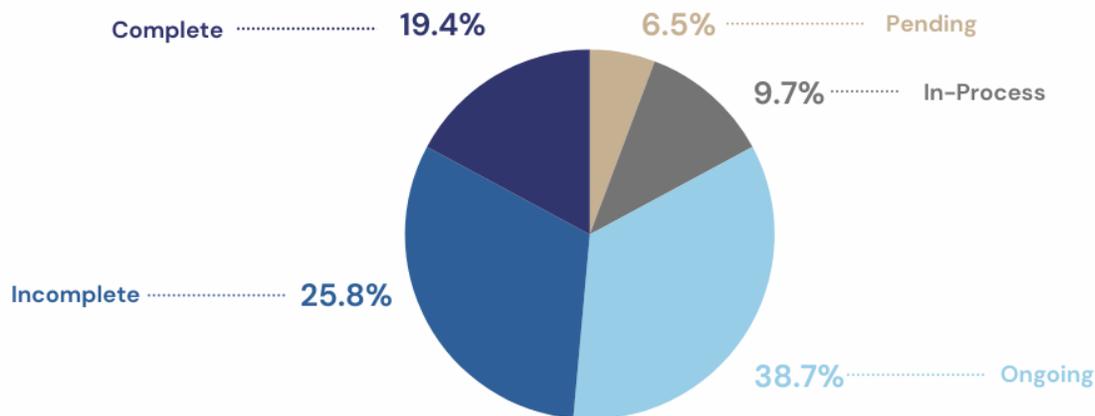


Mitigation Status Report

2019-2023 Mitigation Status Results

Results indicated that of the thirty-five (35) mitigation actions, ten (10) have been completed or are in progress, and twelve (12) are ongoing, while eleven (11) remain incomplete as shown on the chart below. Two (2) of the mitigation actions are pending.

2019-2023 MITIGATION ACTION STATUS RESULTS



2019-2023 Mitigation Status Table

A mitigation status table was prepared and completed during this planning process. Each 2019 mitigation action status update provides details and indicates whether the mitigation action is complete, incomplete, ongoing, in progress, or pending.

2019-2023 MITIGATION ACTIONS STATUS TABLE				
Previous Action				Responsible Entity(s)
1. Conduct new hazard mitigation & resiliency public outreach initiative using CERT Teams and area businesses.				Emergency Services
Complete	Incomplete	✓ Ongoing	In-Process	Pending
DES-Emergency Management Associate: Ongoing. Outreach initiatives advocating personal preparedness and mitigation continue, including teaching CERT curriculum in both county High Schools and at Stevensville Middle School. The County has implemented CERT Hybrid to expand access to the training. The Department has also been increasingly active with area businesses, organizations, and communities by attending community events and teaching community classes. Included in Priority Project 1: Hazard Mitigation & Resiliency Public Outreach				
2. Create warning, guidelines, and protocols for vulnerable populations in coordination with the Department Emergency Services.				QAC Department of Health, Social Services
Complete	Incomplete	✓ Ongoing	In-Process	Pending
QAC Department of Health: Ongoing. Especially during the COVID-19 Pandemic, DOH worked closely with the County PIO to share information with community partners and the general public to keep them informed of rapidly changing health and medical guidelines regarding isolation and quarantine, testing, vaccination, emergency declarations, closures, etc. The DOH is required to review and revise as needed the Risk Communications Plan and any templates created for various incident scenarios impacting public health. Included in Priority Project 2: Vulnerable Populations Warnings, Guidelines & Protocols				
3. Finalize Debris Management Plan and incorporate debris generation Hazus (wind & flood) results.				Emergency Services
Complete	Incomplete	Ongoing	✓ In-Process	Pending
DES-Emergency Management Associate: In-Process. Update to the Debris Management Plan is in progress. Included in Priority Project 3: Plan Integration				
4. Establish emergency agreements with private utilities and transportation companies.				Emergency Services
Complete	✓ Incomplete	Ongoing	In-Process	Pending
QAC DES: Incomplete. Update to the Debris Management Plan is in progress. This will be the Department of Public Works role within the Debris Management Plan. Included in Priority Project 4: Emergency Agreements				

Mitigation Status Report

Previous Action				Responsible Entity(s)
5. Emergency back-up power- Install generators at the following essential facilities: Health Department Annex, EMS Station 100, EMS Station 200, EMS Station 400, and Centreville Police Department (CPD).				Public Works, Emergency Services, QAC Department of Health, Centreville Police Dept.
✓ Complete	Incomplete	Ongoing	In-Process	Pending
<p>QAC DPW: Complete. The Health Department is complete aside from some non-critical circuits in the clinic. EMS 400 is complete.</p> <p>QAC Department of Health: Complete. The health department received and has currently and emergency generator at the 206 N. Commerce St. location.</p> <p>Centreville Police Department: Complete.</p> <p>QAC DES: Complete. EMS Stations 100 and 200 are both in flood zones. EMS Station 200 historically is evacuated by DES personnel when flooding occurs. There are no plans for a backup generator at this station. EMS Station 100 does have a generator currently.</p> <p>Included in Priority Project 5: Essential Facilities - Generators</p>				
6. Upgrade undersized generators at the following essential facilities: <ul style="list-style-type: none"> ○ EOC –Dept. of Emergency Services Building ○ Queenstown Volunteer Fire Dept. #3 and EMS Station 300 ○ Health Department-Main Building 				Public Works, Emergency Services, QAC Department of Health, Queenstown VFD
✓ Complete	Incomplete	Ongoing	In-Process	Pending
<p>QAC DPW: Complete. EOC is adequately generated. Health Department has been upgraded notwithstanding issues mentioned in Mitigation Action Item 5.</p> <p>QAC Department of Health: Complete. In 2020, the health department's emergency generator capacity was expanded to allow for additional receptacles to be used during the COVID-19 Pandemic.</p> <p>QAC DES: Complete. DES EOC, & HD have sizable generators. Queenstown VFD/300 (same location) has an adequate generator. Note: Queenstown VFD/300 is in the planning phase of building a new firehouse. A larger generator will be included in that planning process.</p> <p>Included in Priority Project 5: Essential Facilities - Generators</p>				
7. Southern Kent Island Sanitary Improvement Project-slated for completion.				Public Works
Complete	Incomplete	✓ Ongoing	In-Process	Pending
<p>QAC DPW: Ongoing. Phases 1 and 2 are 100% complete, Phase 3 is 33% complete, and Phase 4 is 5%. Completion date is 2027.</p> <p>Included in Priority Project 6: Sanitary Improvement</p>				
8. Main waterline connection in Kent Island and Grasonville – loss of essential service.				Public Works
Complete	Incomplete	Ongoing	In-Process	✓ Pending
<p>QAC DPW: Pending. RFP for design is pending, funding remains uncertain.</p> <p>Included in Priority Project 6: Sanitary Improvement</p>				

Mitigation Status Report

Previous Action				Responsible Entity(s)
9. Add new and/or replace datum markers in high-risk flood areas.				Public Works
Complete	✓ Incomplete	Ongoing	In-Process	Pending
QAC DPW: Incomplete. Included in Priority Project 7: High-Risk Flood Areas				
10. Review and where necessary revise and update local floodplain ordinances in conjunction with the development of the 2019 CRS application.				Public Works
Complete	Incomplete	✓ Ongoing	In-Process	Pending
QAC DPW: Ongoing. The 2019 CRS application is pending the completion of the required Community Assistance Visit (CAV). Included in Priority Project 8: National Flood Insurance Program (NFIP) & Community Rating Systems (CRS)				
11. Individual departments should review their capital improvements to determine if they are in vulnerable areas. Potential worksheet to fill out by department for each project.				All Depts.
Complete	Incomplete	✓ Ongoing	In-Process	Pending
QAC BOE: Ongoing. Security vestibules are being installed at two schools. QAC DPW: Ongoing. Centreville Police Department: Incomplete. QAC Planning & Zoning: Ongoing. Environmental Resources, Strategy 2.3, page 5-26 and WRE (Table 1-19, page AD-42): Finalize the 2019 County Climate Resilience Planning and Financing Study and contemplate the prioritization of resiliency projects and capital improvements. Included in Priority Project 3: Plan Integration				
12. Update Comprehensive Plan and community plans to include hazard mitigation, including sea level change and coastal hazards.				Planning & Zoning
✓ Complete	Incomplete	Ongoing	In-Process	Pending
QAC P&Z: Complete. The comprehensive plan was adopted May 24, 2022. Chapter 5 - Environmental Resources has sections about hazard mitigation (5-13) and climate change (5-17). The community plans were incorporated into the comprehensive plan, Chapter 11 (section 11-14 is specific to climate change and sea level rise). Map 5-6 provides sea level rise vulnerability information. Included in Priority Project 3: Plan Integration				

Mitigation Status Report

Previous Action				Responsible Entity(s)
13. Consider the transportation network in relation to hazards and evacuation within Section 8.0 – Community Facilities and Transportation of the County Comprehensive Plan. Specifically flood related hazards and Sea Level Change (Include Millington).				Planning & Zoning
Complete	Incomplete	✓ Ongoing	In-Process	Pending
<p>QAC P&Z: Ongoing. Chapter 5 Goal 5-2 Strategy 2 Recommendation 1, 2 and 3 - To a degree have relevance to this topic (page 5-26). The 2016 Sea level rise and coastal vulnerability assessment plan and the 2019 County Climate Resilience Planning and Financing Study guide the protection of infrastructure from the impacts of climate change. This is indicated on page 11-14 of the Comprehensive Plan.</p> <p>The 2019 Climate Resilience Planning and Financing Plan outlines specific strategies that guide the protection of a valuable infrastructure from the impacts of climate change (see Land Use Strategy 2.8 and 2.11, page 4-22; Environment, page 5-18, 5-26; Community Plans, page 11-14; and WRE, page AD-42).</p> <p>Included in Priority Project 3: Plan Integration</p>				
14. Modify Capital Improvement project planning to determine projects that include hazard mitigation.				Finance
Complete	Incomplete	Ongoing	✓ In-Process	Pending
<p>QAC Department of Finance: In-Process. The Finance Office is updating capital budgeting processes to include earmarking projects with hazard mitigation efforts in the upcoming FY2026 budget cycle.</p> <p>Included in Priority Project 3: Plan Integration</p>				
15. Modify Capital Improvement funding to prioritize projects that are in high-risk areas.				All Departments
Complete	Incomplete	✓ Ongoing	In-Process	Pending
<p>QAC BOE: Ongoing. QAC DPW: Ongoing. Centreville Police Department: Incomplete. QAC P&Z: Ongoing. Environmental Resources, Strategy 2.3, page 5-26 and WRE (Table 1-19, page AD-42): Finalize the 2019 County Climate Resilience Planning and Financing Study and contemplate the prioritization of resiliency projects and capital improvements.</p> <p>Included in Priority Project 3: Plan Integration</p>				

Mitigation Status Report

Previous Action				Responsible Entity(s)
16. Identify open space & conservation area mitigation strategies to reduce risk, specifically in high-risk flood hazard(s) areas.				Planning & Zoning & IT/GIS
Complete	✓ Incomplete	Ongoing	In-Process	Pending
QAC P&Z: Incomplete. The Comprehensive Plan notes that open space and conservation does help to mitigate flooding hazards. WRE, see Stormwater recommendation found on page AD-7: Utilize open space and land preservation programs to provide water protection measures. Included in Priority Project 7: High-Risk Flood Areas				
17. Conduct annual outreach project targeted to properties within the designated RLP Areas.				Emergency Services & Public Works
Complete	Incomplete	Ongoing	In-Process	✓ Pending
QAC DPW: Pending. This will be required once the County achieves CRS status. Included in Priority Project 8: National Flood Insurance Program (NFIP) & Community Rating Systems (CRS)				
18. Distribute annual mitigation & resiliency outreach material annually using various media to reach multiple demographic groups.				Emergency Services
✓ Complete	Incomplete	Ongoing	In-Process	Pending
QAC DES: Complete. DES pushes both mitigation and resiliency education and notifications through multiple social media outlets and QAC local TV channels. DES uses social media platforms such as X, Facebook, Instagram, Nextdoor and YouTube. Included in Priority Project 1: Hazard Mitigation & Resiliency Public Outreach				
19. Prioritize for mitigation Repetitive Loss Properties (RPL) and those properties within the designated RLP Areas.				Emergency Services & Public Works
Complete	Incomplete	✓ Ongoing	In-Process	Pending
QAC DPW: Ongoing. DES takes the lead on these projects, DPW only assists with technical data. QAC DES: Ongoing. DES will be submitting a Notice of Interest for the acquisition of a Severe Repetitive Loss Property. Included in Priority Project 1: Hazard Mitigation & Resiliency Public Outreach				

Mitigation Status Report

Previous Action				Responsible Entity(s)
20. Integrate Hazus (wind) results and FEMA Coastal Risk Map Study for potential shelter needs into Emergency Operation Plan-ESF #6 Mass Care & Sheltering.				Emergency Service, QAC Department of Health, Social Services
✓ Complete	Incomplete	Ongoing	In-Process	Pending
QAC Department of Health: Complete. ESF #6 Section of the county EOP was reviewed/ revised and adopted in August 2023. FEMA Hazus Flood and Hurricane model information was included in the revision.				
21. Develop a Sea Level Change and Evacuation Route(s) Study.				Emergency Services
Complete	Incomplete	Ongoing	In-Process	Pending
QAC DES: In-Process. Maryland Department of Emergency Management (MDEM) is developing a sea level rise study, which will be participating in the planning process.				
22. Install a generator for the Department of Public Works' main facility.				Public Works
Complete	Incomplete	✓ Ongoing	In-Process	Pending
QAC DPW: Ongoing. The main facility has been partially generated since 1974.				
23. Update 2014 Floodplain Management Ordinance-Refer to information on Sea Level Change. <i>Note: 2016 Sea Level Rise and Coastal Vulnerability Assessment and Implementation Plan proposes raising freeboard requirement from 2 feet to 4 feet above Base Flood Elevation (BFE) based on SLR 2050 and 2100 projections. (If we use 2050 projections, then we should use 2' not 4')</i>				Planning & Zoning
Complete	✓ Incomplete	Ongoing	In-Process	Pending
QAC Floodplain Manager: The County has no plans on updating the ordinance due to sea level change currently. QAC P&Z: In-Process. This Code falls under the purview of DPW; however, P&Z supports this update to the Floodplain Ordinance. See Environmental Resources, page 5-10: the County applied to FEMA for participation in its Community Rating System (CRS), which is a flood insurance discount program that rewards higher regulatory standards, public outreach, emergency preparedness, and open space preservation to reduce flooding risk and increase resiliency. Application completion is expected in Fall 2024.				

Mitigation Status Report

Previous Action				Responsible Entity(s)
24. Creation of special districts with restrictive zoning in high hazard vulnerability areas.				Planning & Zoning
Complete	✓ Incomplete	Ongoing	In-Process	Pending
QAC P&Z: Incomplete. The county is in the process of updating the zoning code. If such as district were to be created it would be during the update. While the County has not undertaken this task, the 2022 Comp Plan includes this policy direction in the WRE, page AD-42: During new development project review, contemplate the 2016 Sea Level Rise and Coastal Vulnerability Assessment Plan, which identified key vulnerable resources.				
25. Modify setback requirements for tidal wetlands.				Planning & Zoning
Complete	✓ Incomplete	Ongoing	In-Process	Pending
QAC P&Z: Incomplete. Setbacks for tidal wetlands are 100ft. There have been no modifications.				
26. Develop a FEMA – approved and adopted Flood Mitigation Plan that complies with the requirements of 44 CFR Part 78.				Emergency Services & Public Works
Complete	✓ Incomplete	Ongoing	In-Process	Pending
QAC DPW: In-process. QAC DES: Incomplete.				
27. Initiate countywide Firewise Program in coordination with volunteer fire departments.				Emergency Services
Complete	✓ Incomplete	Ongoing	In-Process	Pending
QAC DES: Incomplete.				
28. Additional salt storage facilities at remote areas of County, specifically two (2) more in the North Kent Island area.				Public Works
Complete	✓ Incomplete	Ongoing	In-Process	Pending
QAC DPW: Incomplete. DPW believes the intent was for North County, not North Kent Island. There has been no progress on this action item.				
29. Water system pipe breaks- potential area identified along Route 18 from Kent Narrows to Stevensville.				Public Works
Complete	✓ Incomplete	Ongoing	In-Process	Pending
QAC DPW: Incomplete. DPW believes this is referring to sewer transmission mains. There has been no progress on this action item.				
30. Obtain funding to purchase four (4) Mobile Message Sign Boards for the County.				Public Works
Complete	Incomplete	✓ Ongoing	In-Process	Pending
QAC DPW: Ongoing. Five (5) used ones were bought during Covid but three (3) are in disrepair.				

Mitigation Status Report

Previous Action				Responsible Entity(s)
31. Obtain funding to purchase and install Weather Stations and pavement sensors at: Matapeake, DES, Sudlersville.				Public Works
Complete	✓ Incomplete	Ongoing	In-Process	Pending
<p>QAC DPW: Incomplete. It was never envisioned County would install its own pavement sensors; the intent was to access SHA data, but the request was denied. DES and MEMA are in the process of installing a Mesonet weather station somewhere in the County.</p> <p>QAC DES: Incomplete. The county does have MESONET. QAC is one of only three on the Eastern Shore. QAC was informed by their MDEM liaison that up to 4 stations may be installed in the County. https://weather.umd.edu/mdmesonet/?station=wyemills</p>				
32. Install a new Water Treatment Plant at the Four Seasons.				Public Works
✓ Complete	Incomplete	Ongoing	In-Process	Pending
<p>QAC DPW: Complete. The plant is now online.</p>				
33. Review projects during the capital improvement planning process to determine which projects, if any, would encourage development in areas vulnerable to natural hazards. Specifically flood related hazards including Sea Level Change.				All Depts.
Complete	Incomplete	Ongoing	✓ In-Process	✓ Pending
<p>QAC BOE: Pending.</p> <p>QAC DPW: In-Process.</p> <p>Centreville Police Department: Incomplete.</p> <p>QAC P&Z: Ongoing. Environmental Resources, Strategy 2.3, page 5-26 and WRE (Table 1-19, page AD-42): Finalize the 2019 County Climate Resilience Planning and Financing Study and contemplate the prioritization of resiliency projects and capital improvements.</p>				
34. Adopt green building codes for commercial & residential structures.				Planning & Zoning
Complete	✓ Incomplete	Ongoing	In-Process	Pending
<p>QAC P&Z: Incomplete. The County follows the current editions of the International Building Code (IBC) and International Residential Code (IRC).</p>				
35. Conduct Flood Insurance training for real estate and insurance agencies.				Emergency Services & Public Works
Complete	Incomplete	✓ Ongoing	In-Process	Pending
<p>QAC DPW: Ongoing.</p>				