

# CHAPTER 31: ACCOMACK COUNTY MITIGATION STRATEGIES

## INTRODUCTION

Accomack County is the largest county with respect to area and population on the Eastern Shore of Virginia. There are 14 incorporated towns within the County. These towns include: Accomac, the majority of Belle Haven, Bloxom, Chincoteague, Hallwood, Keller, Melfa, Onancock, Onley, Painter, Parksley, Saxis, Tangier, and Wachapreague. The Town of Chincoteague's mitigation projects are found in its own plan section in Chapter 32. The other towns in Accomack County were invited to contribute to the Eastern Shore of Virginia Hazard Identification and Risk Assessment (ESHIRA) and Hazard Mitigation Plan. The Town of Accomac and the Town of Painter joined the planning process for the first time. Belle Haven is the only town in the County that did not participate.

## PLAN MAINTENANCE

The Emergency Management Coordinator will review the Hazard Mitigation Plan every year prior to the July 1 deadline for the Local Capability Readiness Assessment (LCAR). The Coordinator will evaluate the plan and review progress made during the previous years on the goals and projects in the plan for all of Accomack County and the incorporated towns within the County. The Coordinator will use the LCAR criteria for hazard mitigation to evaluate the hazard mitigation program. Progress will be reflected in the LCAR. The Coordinator will also recommend any revisions to the Board of Supervisors. By July 1, 2022, the Coordinator will assemble a Committee or represent Accomack County on a Committee to update the plan. Towns will have an opportunity to be represented on the Committee. The Committee will work to complete the updates by the fifth-year anniversary of the adoption of the plan. During the plan maintenance process, the community will have opportunity, through advertised public hearings, to comment on plan revisions and updates prior to the Board of Supervisors approving them.

Accomack County and the incorporated towns each have a Comprehensive Plan for their respective jurisdiction. The Emergency Management Coordinator will provide input and plan materials to the planning group responsible for updating the Comprehensive Plan and any other relevant planning efforts. During updates of the Comprehensive Plan and other relevant planning efforts, the Hazard Mitigation Plan will be reviewed and appropriate material incorporated into the updates.

See Chapter 2, page 7 and 8 for additional information about plan maintenance and evaluation.

## IDENTIFIED MITIGATION GOALS & STRATEGIES – ACCOMACK COUNTY

**Goal 1 - The Hazard Mitigation Plan will serve as a guide to local governments for comprehensive mitigation to include public education and ongoing hazard assessments.**

Strategy 1.1 - Train County staff for mitigation duties.

Strategy 1.2 – Promote mitigation programs throughout the County.

**Goal 2 - Improve resiliency through harnessing community partnerships (residents, businesses, local governments, and other community partners) working to minimize disruption during and following hazard events.**

Strategy 2.1 - Reduce damages from flooding.

Strategy 2.2 – Reduce damages from non-flooding natural disasters, if that type of event occurs.

**Goal 3 - Local governments encourage self-sufficiency and personal responsibility for managing risk.**

Strategy 3.1 - Educate the public about their responsibility to respond safely and effectively during a disaster.

Strategy 3.2 - Educate the public about their responsibility in reducing and insuring their own risks.

**Goal 4 - Local governments will work to improve infrastructure for resiliency and provide the appropriate redundancies for the operations of critical infrastructure during an event.**

Strategy 4.1 - Maintain safe traffic flow in case of wide scale power loss.

Strategy 4.2 - Maintain emergency service functions in case of wide-scale power loss.

**Goal 5 - Local governments will make efforts to reach all populations during preparation to, response of and mitigation of all risks.**

Strategy 5.1 – Define and identify special needs populations in the County.

Strategy 5.2 - Assure migrant population has access to County emergency response efforts.

Strategy 5.3 - Assure Tangier Island residents have access to County emergency response efforts.

## IDENTIFIED MITIGATION PROJECTS – ACCOMACK COUNTY

Goal 1 - Local Governments Guide a Comprehensive Mitigation Program Including Public Education and Ongoing Hazard Assessments							
<i>Strategy 1.1 - Train County staff for mitigation duties.</i> <i>Strategy 1.2 – Promote mitigation programs throughout the County.</i>							
Priority Rank	Accomack County – Goal 1: Description of Projects	Hazard(s) Addressed	Responsible Department	HMP Year/Start Timeline	Status as of 2016	Status as of 2021	Add'l. Info.
1	Set a regional compatibility standard for emergency communications	ALL	ESDPC	2006/2006	Ongoing	Ongoing	
1	Upgrade communications systems and provide for backup in the event of a communication failure	ALL	ESDPC	2006/2009	Not Complete	Not Complete	Funding needed
1	Research allowed reimbursement under a Presidentially Declared Disaster and offer to train staff to take on emergency response tasks for pay during disaster events	ALL	Accomack Co. Administration	2006/2007	Ongoing	Ongoing	
3	Institute a recruitment program for volunteer firefighters. Publicize details on how to volunteer on the County website.	Fire	Accomack Co. Administration	2006/2007	Ongoing	Ongoing	On County website
1	Formalize and maintain the Residential Mitigation Project Waiting List	ALL	AC B&Z	2011/Ongoing	Ongoing	Ongoing	
1	Promote Hazard Mitigation at local community events and meetings.	ALL	Accomack Co. Emergency Management (ACEM)	2011/Ongoing	Ongoing	Ongoing	
1	Emergency radio communications within the region are to be interoperable.	ALL	ES 911 Commission	2011/2011	Ongoing	Ongoing	
1	Assess and define County staff emergency response responsibilities during disaster events and incorporate these duties into their job descriptions.	ALL	Accomack Co. Administration	2011/2012	Ongoing	Ongoing	
1	Offer county staff CERT training.	ALL	Accomack Co. Administration	2011/2013	Ongoing	Ongoing	Annual classes offered

## Accomack County Mitigation Strategies

Priority Rank	Accomack County – Completed Projects	Hazard(s) Addressed	Responsible Department	HMP Year/Start Timeline	Status as of 2016	Status as of 2021	Add'l. Info.
---	Produce Responder Bilingual Cards with English on back. An example of the type of message to be included is "Do not drink the water."	ALL	Health Dept. and the Eastern Shore Disaster Preparedness Coalition (ESDPC)	2006/2006	Complete*	---	
---	Obtain more changeable warning signs	ALL	VDOT	2006/2006	Complete	---	
---	Offer county staff free CERT training during office hours in the late afternoon or early morning with the employees using personal time one Saturday to complete the training.	ALL	Accomack Co. Administration	2006/2007	Complete	---	
1	Obtain funding for a generator hookup for the Eastern Shore Community College	Flood, Ice & Snow, Wind	Eastern Shore Community College	2006/Post-declared disaster	Ongoing	Complete	
1	Send a letter to the Town of Keller Council recommending the Town join the National Flood Insurance Program so that federal mitigation funds can become available for use within the flood zones in the Town in case of disaster.	Flood	Accomack Co. Building & Zoning (ACB&Z)	2006/2007	Not Complete	Complete	
1	Send letters to Town Councils of Accomac, Bloxom, Melfa, Onley, Painter, and Parksley advising the Towns that joining the National Flood Insurance Program will allow residents with stormwater flooding problems to purchase flood insurance.	Flood	AC B&Z	2006/2007	Partially Complete	Complete	Accomac, Bloxom, Onley, and & Parksley currently participate in the NFIP

\*Spanish Health and Emergency Preparedness informational brochures have been produced and are available to the Hispanic population through a variety of outlets.

## Eastern Shore of Virginia Hazard Mitigation Plan 2021

Goal 2 - Residents, Businesses, Local Governments, and other Community Partners Will Work Independently and Together to Minimize Community Disruption Through Planning and Mitigation Activities							
<i>Strategy 2.1 - Reduce damages from flooding.</i>							
<i>Strategy 2.2 – Reduce damages from non-flooding natural disasters, if that type of event occurs.</i>							
Priority Rank	Accomack County – Goal 2: Description of Projects	Hazard(s) Addressed	Responsible Department	HMP Year/Start Timeline	Status as of 2016	Status as of 2021	Add'l. Info.
1	Formalize and maintain the Residential Mitigation Project Waiting List	ALL	Accomack Co. Building & Zoning (ACB&Z)	2006/2006	Ongoing	Ongoing	
1	Drainage Survey of Nelsonia, north of Fisher Corner and Route 13	Storm Water Flood, Biohazard	VDOT, Accomack Co. Public Works	2006/2008	Not Complete	Not Complete	Must coordinate with VDOT
1	After any presidentially declared disaster, manage Residential and Commercial Mitigation Projects that address the most critical damage that has occurred.	ALL	ACB&Z	2006/Post-declared disaster	Ongoing	Ongoing	
1	Continue a comprehensive drainage plan that identifies specific projects to improve drainage.	Flood	Accomack Co. Public Works, VDOT	2011/Ongoing	Ongoing	Ongoing	
1	Amend the future land use map and zoning ordinance to direct high-density development away from critically eroding shorelines identified as high erosion areas (loss of greater than one foot per year) in the VIMS Shoreline Situation Report for Accomack County.	Erosion	Accomack Co. Planning	2011/Ongoing	Ongoing	Ongoing	
1	Mitigate public infrastructure against damage caused by natural disasters. For example, hurricane shutters, flood-proofing, etc.	ALL	Accomack Co. Public Works	2011/Post-declared disaster	Ongoing	Ongoing	
1	Mitigation of flood prone properties (to include, but not limited to acquisition, elevation, relocation, and dry and wet flood proofing of flood prone structures, and mitigation reconstruction for NFIP defined SRL properties only).	Flood	ACB&Z	2011/Post-declared disaster	Ongoing	Ongoing	
3	Develop programs to encourage conservation of barrier islands, marsh land, forested areas, and creek corridors. When consistent with habitat conservation goals, alternatives to fee-simple ownership, such as conservation easements or lease-back agreements should be encouraged to keep property on the tax rolls and in productive use.	Flood, Erosion	Accomack Co. Administration, The Nature Conservancy, Eastern Shore of Virginia Land Trust	2011/Ongoing	Ongoing	Ongoing	
1	Maintain the Residential Mitigation Project Waiting List	ALL	ACB&Z	2011/Ongoing	Ongoing	Ongoing	

## Accomack County Mitigation Strategies

Priority Rank	Accomack County – Completed Projects	Hazard(s) Addressed	Responsible Department	HMP Year/Start Timeline	Status as of 2016	Status as of 2021	Add'l. Info.
---	Incorporate the Eastern Shore of Virginia Hazard Mitigation Plan into the Accomack County Comprehensive Plan.	ALL	Accomack Co. Planning	2011/During next Comp. Plan update	Not Started	Complete (2014 Amended County Comp Plan)	
---	Amend the future land use map and zoning ordinance to direct highdensity development away from critically eroding shorelines identified as high erosion areas (loss of greater than one foot per year) in the VIMS Shoreline Situation Report for Accomack County.	Erosion	Accomack Co. Planning	2006/Ongoing	Complete*	---	
---	Manage a Residential Elevation and Mitigation Project, using benefit-cost analysis provided by FEMA to target structures at risk to flooding.	Flood	Accomack Co., Towns of Onancock, Tangier, Wachapreague, Saxis and Belle Haven	2006/Post-declared disaster	Complete**	---	
---	In the Town of Belle Haven, dig ditches along King Street near the ESO to improve drainage.	Storm Water Flood, Biohazard	VDOT, Accomack Co. Public Works	2006/2008	Complete.	---	
---	Produce a comprehensive drainage plan that identifies specific projects to improve drainage.	Flood	Accomack Co. Public Works	2006/2008	Complete	---	

\*The Future Land Use Map was updated in 2012. The Zoning Ordinance is up to date

\*\*2011 – 2016 Project Status included in each town's mitigation project list

## Eastern Shore of Virginia Hazard Mitigation Plan 2021

Goal 3 - Local Governments Encourage Self-sufficiency and Personal Responsibility for Managing Risk							
<i>Strategy 3.1 - Educate the public about their responsibility to respond safely and effectively during a disaster.</i>							
<i>Strategy 3.2 - Educate the public about their responsibility in reducing and insuring their own risks.</i>							
Priority Rank	Accomack County – Goal 3: Description of Projects	Hazard(s) Addressed	Responsible Department	HMP Year/Start Timeline	Status as of 2016	Status as of 2021	Add'l. Info.
1	Send out information encouraging residents to purchase contents and structure flood insurance to all homes and businesses located in the County's regulated flood zones.	Flood	Accomack Co. Public Safety	2006/Yearly	Ongoing	Ongoing	Funding done semi-regularly in repetitive loss areas
1	Put out an education brochure on tree plantings benefits. Consider using the information developed by VDEM for Hurricane Isabel.	Erosion, Flood	ACEM	2011/2012	Not Started	Not Started	
1	Put out an education brochure on benefits from burying property power lines. Consider using the information developed by VDEM for Hurricane Isabel.	Ice & Snow, Wind, Fire	ACEM	2011/2012	Not Started	Not Started	
1	Disseminate information encouraging residents and businesses to purchase contents and structure flood insurance.	Flood	ACEM	2011/2012	Ongoing	Ongoing	In brochure mailed to all residence as well as handed out during preparedness talks
1	Maintain an Emergency Management website that contains emergency preparedness information for residents and businesses.	ALL	ACEM	2011/Ongoing	Ongoing	Ongoing	A subset of the County website and has information on there
3	Include details of volunteer opportunities on the County website.	ALL	Accomack Co. Admin.	2011/2012	Not Started	Ongoing	
1	Produce an emergency preparedness brochure that includes local information to be mailed to residents and businesses.	ALL	ACEM	2011/2013	Ongoing, Pending Funding	Ongoing	Sent in 2017, needs to be sent again, Funding
1	Disseminate information on wind-protection systems (hurricane shutters, etc.) to residents and businesses.	Wind	ACEM	2011/2012	Not Started	Ongoing	Information handed out during presentations
1	Provide FEMA mitigation-related publications to residents and businesses via the public library.	ALL	ACEM	2011/2012	Ongoing	Ongoing	Information handed out during presentations

## Accomack County Mitigation Strategies

Priority Rank	Accomack County – Completed Projects	Hazard(s) Addressed	Responsible Department	HMP Year/Start Timeline	Status as of 2016	Status as of 2021	Add'l. Info.
---	Publish an Annual Press Release about Emergency Preparedness	ALL	Accomack Co. Emergency Management (ACEM)	2006/Yearly	Complete, Ongoing	---	
---	Investigate the potential for an increased CRS rating to reduce flood insurance premiums.	Flood	Accomack Co. Planning	2006/2007	Complete	---	
---	Create a Surge Inundation Map and identify evacuation zones and the nearest shelter for distribution on the County's website and in local schools and libraries	Flood	Accomack Co. Public Safety	2006/2006	Complete	---	



## Eastern Shore of Virginia Hazard Mitigation Plan 2021

Goal 4 - Local Governments Will Work to Ensure That Infrastructure Will Continuously Function During and After a Hazard Event							
<i>Strategy 4.1 - Maintain safe traffic flow in case of wide scale power loss.</i> <i>Strategy 4.2 - Maintain emergency service functions in case of wide-scale power loss.</i>							
Priority Rank	Accomack County – Goal 4: Description of Projects	Hazard(s) Addressed	Responsible Department	HMP Year/Start Timeline	Status as of 2016	Status as of 2021	Add'l. Info.
1	The following traffic lights should be retrofitted to have backup power installed in order of importance: <ol style="list-style-type: none"> <li>1. Four Corners Traffic Light (Rt. 13 and Rt. 179), T's Corner Traffic Light (Rt. 13 and Rt. 175), Traffic Light on Chincoteague Road (Rt. 175)</li> <li>2. Rt. 13 and Rt. 187 in Nelsonia</li> <li>3. Rt. 13 &amp; Rt. 180, Wachapreague Rd.</li> <li>4. Rt. 13 &amp; Madigan Way at Wal-Mart in Onley</li> <li>5. Rt. 13 &amp; entrance to Food Lion Shopping Center at T's Corner</li> </ol>	Ice & Fire, Wind	VDOT	2006(1-2) 2011(3-5)/2007	Pending	Pending	Funding allocation and priorities
1	Encourage implementation of emergency generator power serving public water and wastewater systems.	Ice & Snow, Wind	Accomack Co. Public Works	2011/2013	Not Started	Not Started	Funding
Priority Rank	Accomack County – Completed Projects	Hazard(s) Addressed	Responsible Department	HMP Year/Start Timeline	Status as of 2016	Status as of 2021	Add'l. Info.
---	Ensure all Accomack County Fire Stations are wired for generator hook-up.	Ice & Snow, Wind	Accomack Co. Public Safety	2006/Post-declared disaster	Complete	---	
---	After consultation with the Hazard Mitigation Planning Committee, that included input from the Accomack Sheriff's Office, the following traffic lights were retrofitted to have backup power installed: <ol style="list-style-type: none"> <li>1. Rt. 13 and Rt. 176 in Parksley</li> <li>2. Rt. 13 and Rt. 626 in Melfa</li> <li>3. Rt. 13 and Rt. 182 in Painter</li> </ol>	Ice & Snow, Wind	VDOT	2006/2007	Complete	---	
1	Obtain funding for a generator hookup for the Eastern Shore Community College.	Ice & Snow, Wind	ESCC	2011/Post-declared disaster	Ongoing	Complete	New building will have a commercial generator

## Accomack County Mitigation Strategies

Goal 5 - Local Governments Will Make Efforts to Reach Special Needs Populations							
<i>Strategy 5.1 – Define and identify special needs populations in the County.</i> <i>Strategy 5.2 - Assure migrant population has access to County emergency response efforts.</i> <i>Strategy 5.3 - Assure Tangier Island residents have access to County emergency response efforts.</i>							
Priority Rank	Accomack County – Goal 5: Description of Projects	Hazard(s) Addressed	Responsible Department	HMP Year/Start Timeline	Status as of 2016	Status as of 2021	Add'l. Info.
1	Coordinate with Town Staffs to man town shelters	ALL	Accomack Co. Administration	2006/2007	Not Complete	Not Complete	Staff
1	Investigate a paid reservist program to man up to 7 emergency shelters.	ALL	Accomack Co. Administration	2006/2008	Not Complete	Not Complete	Staff
1	Approach local growers thru the Migrant Council to ask for tax-deductible donations to support and offset sheltering costs for migrants during natural disasters.	ALL	Accomack Co. Administration	2006/2008	Not Complete	Not Complete	Staff/ Coordination
1	Provide busing for evacuated Tangiermen from Crisfield, Maryland to shelters in Somerset County or bring them to Accomack County shelters. Prepare Tangier residents before any storms on where and how this system will work.	Flood, Wind, Ice & Snow	Accomack Co. Public Safety	2006/2006	Not Complete	Not Complete	Funding/ Coordination
1	Define special needs populations in the County.	ALL	ACEM	2011/2012	Ongoing	Ongoing	
1	Develop an emergency coordination plan for defined special needs populations in the County.	ALL	ACEM	2011/2013	Ongoing	Ongoing	
1	Assure that the residents of Tangier Island have access to emergency shelters on the mainland during a disaster.	ALL	ACEM	2011/Ongoing	Ongoing	Ongoing	Will be housed in existing shelters on the mainland
1	Disseminate Spanish language emergency preparedness information to the Hispanic community via camps, churches, Telemon, and other primarily Hispanic outlets.	ALL	ESDPC	2011/Ongoing	Ongoing	Ongoing	This is in progress as well as information on how to access emergency notifications via phone

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Priority Rank	Accomack County – Completed Projects	Hazard(s) Addressed	Responsible Department	HMP Year/Start Timeline	Status as of 2016	Status as of 2021	Add'l. Info.
---	Produce County-specific emergency information in Spanish	ALL	ESDPC	2011/Ongoing	Ongoing	Complete	
---	Develop a plan for sheltering of household pets.	ALL	ACEM	2011/2013	Not Started	Complete	
---	Produce County-specific emergency information in Spanish	ALL	Accomack Co. Administration & Public Safety	2006/2007	Complete		
---	All public buildings that are slated for renovation or construction will be evaluated for designation of Red Cross Shelter or refuge of last resort status	ALL	Accomack Co. Public Safety	2006/Ongoing	Complete		
---	Approach local growers thru the Migrant Council to educate them about appropriate measures to take when a disaster is threatening the area while migrants are working.	ALL	Accomack Co. Administration	2006/2007	Complete		
---	Provide a mass notification system for relay of emergency information to residents and visitors.	ALL	Accomack Co. Administration	2011/Post-declared disaster	Not Complete	Complete, Ongoing	CodeRED

## IDENTIFIED MITIGATION PROJECTS – ACCOMACK COUNTY TOWNS

<u>Town</u>	<u>Action</u>	<u>Hazard(s) Addressed</u>	<u>Responsible Party</u>	<u>Strategy</u>	<u>HMP Year/Start Timeline</u>	<u>2016 Status</u>	<u>2021 Status</u>	<u>Add'l. Info.</u>
Accomac	Conduct regular maintenance of the ditches and stormwater drains to ensure adequate drainage to mitigate stormwater flooding	Stormwater Flooding, Biohazard	VDOT; Town Council	2.1, 2.2, 4.1	2017	-	Ongoing	
Accomac	Remove dilapidated structures	Wind, Fire	Town Council	1.2, 2.1, 2.2	2021	-	Ongoing	
Accomac	Extend and clean out drainage ditches to the drain field north of Lilliston Ave in order to mitigate stormwater flood damage to Lilliston properties	Stormwater Flooding, Biohazard	VDOT; Town Council	2.1, 2.2, 4.1	2022	-	Not Started	
Accomac	Retrofit undersized box culverts on Front St and Back St and conduct regular maintenance of culverts in order to mitigate stormwater flooding	Stormwater Flooding, Biohazard	VDOT; Town Council	2.1, 2.2, 4.1	2022	-	Not Started	
Bloxom	Incorporate the Eastern Shore of Virginia Hazard Mitigation Plan into the Bloxom Town Plan.	ALL	Town Staff	2.1, 2.2	During next Town Plan update	Not Started	Ongoing	No Town Plan update yet.
Bloxom	Mitigate against natural disasters.	ALL	Town Staff, Residents	2.1, 2.2	Post-declared disaster	Ongoing	Ongoing	
Bloxom	Join the National Flood Insurance Program.	Flooding	Town Staff	1.1	Post-declared disaster	Not Started	Complete	
Bloxom	Retrofit the undersized box culverts in Bloxom to mitigate stormwater flooding.	Stormwater Flooding, Biohazard	VDOT	2.1	Post-declared disaster	Not Started	Not Started	VDOT
Bloxom	Promote Hazard Mitigation at local community events and meetings. Acquire or develop materials to cater to the increasing diversity of the population.	ALL	Town & County Staff	3.1, 3.2, 5.1	2011	Ongoing	Ongoing	

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Bloxom	Regular maintenance of the stormwater drains and the ditches to prevent flooding.	Stormwater Flooding, Biohazard	VDOT, Town Staff, Residents	2.1, 4.1	2017	Not Started	Ongoing	
Bloxom	Build a staging area (point of distribution), ideally with electric (and generator), water, and minimum commercial equipment (such as microwave, refrigerator, etc.). Ideal location is the Town Square area.	ALL	Town, FEMA	1.2, 4.2	2017	Not Started	Not Started	Funding
Bloxom	Groundwater resources research, particularly to address shallow well concerns.	Well Contamination, Drought	Town, Ground Water Committee	1.2, 3.2	2017	Not Started	Not Started	Funding
Bloxom	Dredge the ditches in order to alleviate stormwater flooding damages and dangers.	Stormwater Flooding, Biohazard	VDOT	2.1, 4.1	2011	Complete	Complete	
Hallwood	Incorporate the Eastern Shore of Virginia Hazard Mitigation Plan into the Hallwood Town Plan.	ALL	Town Staff	2.1, 2.2	During next Town. Plan update	Ongoing	Ongoing	
Hallwood	Mitigate flooding and wind hazards in Hallwood.	Flooding	Town, FEMA, Residents	2.1, 2.2	Post-declared disaster	Ongoing	Ongoing	
Hallwood	Retrofit the undersized box culverts in Hallwood to mitigate stormwater flooding problems.	Stormwater Flooding, Biohazard	VDOT	2.2	Post-declared disaster	Not Started	Not Started	VDOT
Hallwood	Promote Hazard Mitigation at local community events and meetings.	ALL	Town & County Staff	3.1	2011	Not Started	Ongoing	
Hallwood	Conduct public education and outreach efforts within Town to raise awareness and promote participation of the NFIP.	Flooding	Town Staff, Coordinator (*if regional position created/funded)	3.1	2011	Ongoing	Ongoing	
Hallwood	Provide educational information to residents about the burn permit process.	Fire	Town Staff, County Emergency Management	3.1	2011	Ongoing	Ongoing	
Hallwood	Investigate the use of large drainage ditches as fuel breaks to mitigate wildfires.	Stormwater Flooding, Fire	Town Staff, County Emergency Management	2.2	2011	Not Started	Not Started	Lack of Staff, Funding

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Hallwood	Encourage water conservation among residents during droughts.	Drought	Town & County Staff	3.2	2011	Ongoing	Ongoing	
Hallwood	Removal of dilapidated structures	Wind, Stormwater Flooding	Town Council	1.2, 2.1, 2.2	2016	Ongoing	Ongoing	
Hallwood	Work with residents to ensure that they are paying the appropriate amount for their NFIP flood insurance policies, since there are residents paying higher than necessary premiums in Town.	Flooding	Town Staff, Coordinator (if regional position created/funded)	3.1	2011	Complete	Complete	
Keller	Incorporate the Eastern Shore of Virginia Hazard Mitigation Plan into the Keller Town Plan.	ALL	Town Staff	2.1, 2.2	During next Town. Plan update	Not Started	Ongoing	No Town Plan update yet
Keller	Promote Hazard Mitigation at local community events and meetings.	ALL	Town & County Staff	3.1	2011	Not Started	Ongoing	Lack of Staff
Keller	Join the National Flood Insurance Program.	Flooding	Town Staff, Residents	1.1	2011	Not Started	Ongoing	In process of joining
Keller	Cooperate with Accomack County to implement the Emergency Operations Plan to put residents at less risk during an emergency.	ALL	Town & County Staff	1.1	Post-declared disaster	Ongoing	Ongoing	
Keller	Maintain and ensure adequate drainage ditches to mitigate stormwater flooding problems in Keller.	Stormwater Flooding, Biohazard	VDOT, Town must request	2.2	2011	Not Started	Ongoing	
Melfa	Incorporate the Eastern Shore of Virginia Hazard Mitigation Plan into the Melfa Town Plan.	ALL	Town Staff	2.1, 2.2	During next Town. Plan update	Not Started	Not Started	No Town Plan update yet
Melfa	Promote Hazard Mitigation at local community events and meetings.	ALL	Town & County Staff	3.1	2016	Not Started	Not Started	Lack of Staff
Melfa	Cooperate with Accomack County to implement the Emergency Operations Plan to put residents at less risk during an emergency.	ALL	Town & County Staff	1.1	Post-declared disaster	Ongoing	Ongoing	
Melfa	Maintain and ensure adequate drainage ditches to mitigate stormwater flooding problems in Melfa. Install culvert pipes where needed to mitigate stormwater flooding on Woodland Avenue and anywhere else needed.	Stormwater Flooding, Biohazard	VDOT, Town Staff	2.2	2016	Not Started	Ongoing	
Melfa	Construct a pavilion facility with electricity for use as a staging area following a hazard event.	ALL	Town, FEMA	4.2	2016	Not Started	Not Started	Funding

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Melfa	Purchase a mobile generator that can be used at any facility (including the pavilion distribution area) during a prolonged power outage.	Wind, Snow, Ice	Town, FEMA	4.2	2016	Not Started	Not Started	Funding
Onancock	Incorporate the Eastern Shore of Virginia Hazard Mitigation Plan into the Onancock Town Plan.	ALL	Town Staff	2.1, 2.2	During next Town. Plan update	Ongoing	Complete	2021 update in progress
Onancock	Mitigate the Town's infrastructure against flooding and wind.	Wind, Coastal Flooding, Stormwater Flooding	Town, Residents, FEMA	2.1, 2.2	Post-declared disaster	Ongoing	Ongoing	
Onancock	Retrofit Town sewage pump station and manholes to prevent damages from flooding and maintain continuous operation during flood events.	Coastal Flooding, Stormwater Flooding	Town Public Works	4.2	Post-declared disaster	Not Started	Not Started	Funding
Onancock	Retrofit the Onancock Town Office, Police Department Office, and Town fuel tank pumps for generator hookups.	ALL	Town, FEMA	4.2	Post-declared disaster	Not Started	Not Started	Funding
Onancock	Purchase portable generator (for fuel tank pumps, etc.)	Wind, Coastal Flooding, Stormwater Flooding, Snow, Ice	Town, FEMA	4.2	2016	Not Started	Not Started	Funding
Onancock	Participate in the Community Rating System (CRS) to create a discount for Town residents.	Flooding	Town Staff, Residents, Coordinator (*if regional position created/funded)	1.2, 3.2	2016	Not Started	Not Started	Staffing
Onancock	Promote Hazard Mitigation at local community events and meetings.	ALL	Town & County Staff	3.1, 5.2	2016	Not Started	Ongoing	Lack of outreach materials
Onancock	Cooperation with Accomack County to implement the Emergency Operations Plan to put residents at less risk during an emergency.	ALL	Town & County Staff	1.1	Post-declared disaster	Ongoing	Ongoing	

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Onancock	Removal of dilapidated structures.	Wind, Coastal Flooding, Stormwater Flooding, Fire	Town Staff	1.2, 2.1, 2.2	2021	-	Ongoing	
Onancock	Conduct Storm Water Management studies and draft plans	Coastal Flooding, Stormwater Flooding	Town Staff	2.2	2021	-	Not Started	Staffing
Onley	Incorporate the Eastern Shore of Virginia Hazard Mitigation Plan into the Onley Town Plan.	ALL	Town Staff	2.1, 2.2	During next Town Plan update	Not Started	Complete	
Onley	Mitigate the Town's Infrastructure against flooding and wind.	Wind, Stormwater Flooding	Town, Residents, FEMA	2.1, 2.2	Post-declared disaster	Ongoing	Ongoing	
Onley	Join the National Flood Insurance Program.	Flooding	Town Staff, Residents, Coordinator (*if regional position created/funded)	1.1	2011	Not Started	Complete	
Onley	Promote Hazard Mitigation at local community events and meetings.	ALL	Town & County Staff	3.1	2011	Not Started	Ongoing	
Onley	Take the necessary actions to satisfy pre-requisites for mitigation funding (e.g., maintain stormwater event log).	Stormwater Flooding, Biohazard	Town Public Works	1.1	2011	Not Started	Not Started	Staffing
Onley	Cooperate with VDOT to mitigate stormwater drainage in Onley.	Stormwater Flooding, Biohazard	VDOT, Town	2.1	2011	Not Started	Ongoing	
Painter	Incorporate the Eastern Shore of Virginia Hazard Mitigation Plan into the Painter Town Plan.	ALL	Town Staff	2.1, 2.2	During next Town Plan update	-	Not Started	No Plan update yet
Painter	Maintain and ensure adequate drainage ditches to mitigate stormwater flooding problems.	Stormwater Flooding, Biohazards	VDOT, Town Staff	2.1, 2.2, 4.1	2021	-	Ongoing	
Painter	Cooperate with Accomack County to implement the Emergency Operations Plan to put residents at less risk during an emergency.	ALL	Town & County Staff	1.1	2021	-	Ongoing	



## Eastern Shore of Virginia Hazard Mitigation Plan 2021

Painter	Mitigate against natural disasters	ALL	Town, Residents, FEMA	2.1, 2.2	2021	-	Ongoing	
Parksley	Incorporate the Eastern Shore of Virginia Hazard Mitigation Plan into the Parksley Town Plan.	ALL	Town Staff	2.1, 2.2	During next Town Plan update	Not Started	Not Started	No Plan update yet
Parksley	Mitigate against natural disasters.	ALL	Town, Residents, FEMA	2.1, 2.2	2016	Ongoing	Ongoing	
Parksley	Retrofit the undersized box culverts in Parksley to mitigate stormwater flooding.	Stormwater Flooding, Biohazard	VDOT, Town must request	2.1	2011	Not Started	Not Started	Funding
Parksley	Coordinate with VDOT for proper maintenance of roads that need to have the levels lowered.	Stormwater Flooding, Biohazard	VDOT, Town	2.1	2016	Not Started	Not Started	Funding
Parksley	Promote Hazard Mitigation at local community events and meetings. Acquire or develop materials to cater to the increasing diversity of the population.	ALL	Town & County Staff	3.1, 3.2, 5.1	2011	Ongoing	Ongoing	
Parksley	Regular maintenance of the stormwater drains and the ditches to prevent flooding.	Stormwater Flooding, Biohazard	VDOT – Town must request	2.1, 4.1	2016	Not Started	Not Started	
Parksley	Develop multi-lingual emergency plans, preparedness handouts, and evacuation plans.	ALL	Town & County Staff	1.3, 3.2, 5.1, 5.2	2016	Not Started	Ongoing	
Parksley	Backup power for electric substation supplying Parksley and resistors on feeder lines from the substation.	Wind, Snow, Ice	ANEC, County	4.2	2016	Not Started	Not Started	Funding
Parksley	Establish weather station.	Wind, Stormwater Flooding, Snow, Ice, Extreme Heat, Drought	NWS, Town must initiate	3.1, 3.2	2016	Not Started	Not Started	Funding
Parksley	Additional street lighting.	ALL	Town	1.2	2016	Not Started	Complete	
Parksley	Retrofit the pavilion roof (staging area and farmers market location) to withstand higher wind conditions.	Wind	Town, FEMA	1.2, 2.2, 4.2	2016	Not Started	Ongoing	
Parksley	Acquire generator for the Town Office.	ALL	Town, FEMA	4.2	2016	Not Started	Not Started	Funding

## Accomack County Mitigation Strategies

Parksley	Install evacuation signage.	ALL	Town, County, State	3.1	2016	Not Started	Not Started	Funding
Saxis	Incorporate the Eastern Shore of Virginia Hazard Mitigation Plan into the Saxis Town Plan.	ALL	Town Staff	2.1, 2.2	During next Town Plan update	Not Started	Not Started	No Plan update yet
Saxis	Retrofit the Saxis Town Hall and Firehouse to protect against wind and flood hazards.	Wind, Coastal Flooding, Stormwater Flooding	Town, FEMA	2.1, 2.2	Post-declared disaster	Not Started	Complete	
Saxis	Obtain funding to construct an erosion control structure along the western shoreline of the Town.	Coastal Erosion	Town must initiate	2.1	Post-declared disaster	Actively Seeking Funding	Actively Seeking Funding	
Saxis	Retrofit harbor infrastructure to mitigate against wind, coastal erosion and flooding.	Wind, Coastal Erosion, Coastal Flooding, Stormwater Flooding	Town must initiate	2.1	Post-declared disaster	Actively Seeking Funding	Actively Seeking Funding	
Saxis	Promote Hazard Mitigation at local community events and meetings.	ALL	Town & County Staff	3.1	2011	Ongoing	Ongoing	
Saxis	Explore CRS	Flooding	Town Staff, Coordinator (*if regional position created/funded)	2.1	-	Not Started	Ongoing	
Saxis	Education and outreach to new and transient or seasonal guests or residents.	ALL	Town & County Staff	3.1, 3.2	-	Not Started	Ongoing	
Tangier	Incorporate the Eastern Shore of Virginia Hazard Mitigation Plan into the Tangier Town Plan.	ALL	Town Staff	2.1, 2.2	During next Town Plan update	Not Started	Not Started	No Plan update yet
Tangier	Mitigate erosion, flooding, and wind hazards in Tangier.	Wind, Coastal Erosion, Coastal Flooding, Stormwater Flooding	Town, FEMA	2.1, 2.2	Post-declared disaster	Ongoing	Ongoing	

## Eastern Shore of Virginia Hazard Mitigation Plan 2021

Tangier	Retrofit the undersized box culverts in Tangier and have regular maintenance to ensure culverts are not blocked to mitigate stormwater flooding problems.	Stormwater Flooding, Biohazard	VDOT, Town must request	2.1	Post-declared disaster	Not Started	Not Started	Funding
Tangier	Retrofit critical facilities in Tangier with backup power supplies.	Wind, Coastal Flooding, Stormwater Flooding, Snow, Ice	Town	4.2	2011	Ongoing	Ongoing	
Tangier	Obtain funding to purchase an emergency boat for the Tangier Fire Department to better protect residents and structures from fire damage during flood events	Coastal Flooding, Stormwater Flooding, Fire	Town, FEMA	4.2	2011	Not Started	Not Started	Funding
Tangier	Promote Hazard Mitigation at local community events and meetings.	ALL	Town & County Staff	1.1, 1.2, 3.1, 3.2, 5.1, 5.3	2011	Ongoing	Ongoing	
Tangier	Properly maintain and regularly sample the Town wells to ensure safe water supply and a system that is able to cope with a dynamic natural system.	Well Contamination	Town	2.1, 2.2	2016	Ongoing	Ongoing	
Tangier	Retrofit the electric line elevated power point on Watts Island, which is currently being negatively impacted by erosion, to ensure continued, uninterrupted power on the Island.	Wind, Coastal Erosion, Coastal Flooding	ANEC	2.1, 2.2, 4.1	2016	Ongoing	Ongoing	ANEC willing, permit process challenging
Tangier	Repair and reinforce the sea wall on the western shore of the Island to reduce erosion and protect the airfield.	Coastal Erosion, Coastal Flooding	FEMA, USACE, Town must request	2.1, 2.2, 4.2	2016	Ongoing	Complete	
Tangier	Create shoreline protection on the eastern shore of the Island.	Coastal Erosion, Coastal Flooding	FEMA, USACE, Town must request	2.1, 2.2	2016	Ongoing	Ongoing	Working with A-NPDC
Tangier	Investigate use of sediment (from dredging operations) to address marsh loss.	Coastal Erosion, Coastal Flooding	FEMA, USACE, Town must request	2.1, 2.2	2016	Ongoing	Ongoing	Working with A-NPDC

## Accomack County Mitigation Strategies

Tangier	Work towards having the health center as the location for an emergency shelter, as it is the best rated against winds, etc.	ALL	Town	2.1, 2.2	2016	Not Started	Ongoing	
Tangier	Create and implement a mosquito control plan to prevent potential illnesses such as Zika.	Biohazard	Town	2.1, 3.2	2016	Not Started	Not Started	Funding
Tangier	Work with VDOT on current issues with the roads and on a long-term plan for addressing flooding and SLR.	ALL	VDOT, Town must request	2.1, 2.2, 4.1	2016	Not Started	Not Started	Funding, VDOT
Wachapreague	Incorporate the Eastern Shore of Virginia Hazard Mitigation Plan into the Wachapreague Town Plan.	ALL	Town Staff	2.1, 2.2	During next Town Plan update	Not Started	Ongoing	
Wachapreague	Mitigate the Town's Infrastructure against flooding and wind.	Wind, Coastal Flooding, Stormwater Flooding	Town, FEMA	2.1, 2.2	Post-declared disaster	Ongoing	Ongoing	
Wachapreague	Manage a Residential Elevation and Mitigation Project, using benefit-cost analysis provided by FEMA to target structures at risk to flooding.	Coastal Flooding	Town	2.1	Post-declared disaster	Ongoing	Ongoing	
Wachapreague	Attain "High Water" and "Flooding" signs to be used primarily along Atlantic Ave. during flood events.	Coastal Flooding, Stormwater Flooding	Town	4.1	Post-declared disaster	Ongoing	Complete	
Wachapreague	Cooperate with VDOT to mitigate stormwater drainage in Wachapreague.	Stormwater Flooding, Biohazard	VDOT, Town must request	2.2	2011	Ongoing	Ongoing	
Wachapreague	Conduct public education and outreach efforts within Town to raise awareness and promote participation of the NFIP.	Flooding	Town Staff, Coordinator (*if regional position created/funded)	3.1	2011	Ongoing	Ongoing	
Wachapreague	Conduct public education and outreach efforts within Town to raise awareness of hazard mitigation.	ALL	Town & County Staff	3.1	2011	Ongoing	Ongoing	
Wachapreague	Develop and implement a plan to use available funds (from the County perhaps) to start a clean-up of all Town drainage ditches.	Stormwater Flooding, Biohazard	VDOT, Town	1.2, 2.1	2016	Not Started	Ongoing	

## Eastern Shore of Virginia Hazard Mitigation Plan 2021

Wachapreague	Encourage Town residents to maintain any ditches connected to their properties.	Stormwater Flooding, Biohazard	Town, Residents	3.2	2016	Not Started	Ongoing	
Wachapreague	Develop project(s) that would minimize major storm wave damage to the Town's commercial and residential structures by rebuilding the berm/dyke on the east side of the Wachapreague Channel.	Coastal Erosion	FEMA, USACE, Town must request	1.2, 2.1	2016	Ongoing	Not Started	Working with USACE
Wachapreague	Identify and implement program(s) to reduce the loss of marshes and bay grasses and support their enhancement from increased exposure due to the erosion of the southern portion of Cedar Island.	Coastal Erosion	FEMA, USACE, Town must request	1.2, 2.1	2016	Ongoing	Ongoing	Working with USACE
Wachapreague	Relocate Wachapreague Town Hall out of the 7-foot Flood Plain.	Coastal Erosion, Coastal Flooding	Town & County Staff	2.1, 2.2	2021	-	Not Started	
Wachapreague	Relocate Wachapreague Fire Company Station out of the 7-foot Flood Plain.	Coastal Erosion, Coastal Flooding	ALL	1.1, 2.1 2.2	2021	-	Not Started	