

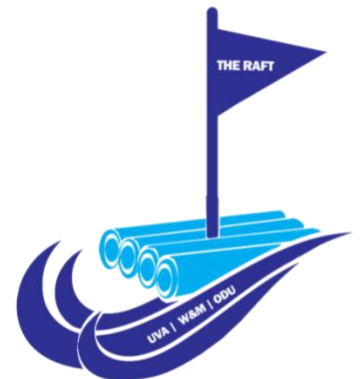
THE RAFT

Resilience Adaptation Feasibility Tool

Scorecard Opportunity List City of Hopewell

The RAFT Goal

To help Virginia's coastal localities improve resilience to flooding and other coastal storm hazards while striving to thrive both economically and socially.



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For more information, visit The RAFT website: raft.ienvirginia.edu

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1) LOCALITY LEADERSHIP, POLICY, AND COLLABORATION

1.1 LOCALITY LEADERSHIP AND PLANNING FOR RESILIENCE:

2 / 4 Points

Action Items	Time Period	Support (Check)	Ease (Rank 0-10)	Impact (Rank 0-10)
Hold resiliency trainings events for elected officials, and community leaders with resiliency experts as guest speakers.	Mid-Term: 1-3 years			
Coordinate quarterly meetings for elected officials focusing on resiliency planning efforts.	Long-term: > 3 years			

1.2 LOCALITY LEADERSHIP AND RESPONDING TO EMERGENCY:

3 / 4 Points

Action Items	Time Period	Support (Check)	Ease (Rank 0-10)	Impact (Rank 0-10)
Include stakeholders and vulnerable populations in resiliency community meetings.	Mid-Term: 1-3 years			

1.3 LOCAL COLLABORATION WITH STATE AGENCIES AND REGIONAL PDCs:

4 / 4 Points

1.4 ADAPTIVE MANAGEMENT:

0 / 4 Points

Action Items	Time Period	Support (Check)	Ease (Rank 0-10)	Impact (Rank 0-10)
Use data collected from Virginia university system in local floodplain, zoning, ordinance planning as well as in the comprehensive plan.	Mid to Long-Term: 1-3 to >3 years			

1.5 The NFIP's COMMUNITY RATING SYSTEM:

0 / 4 Points

Action Items	Time Period	Support (Check)	Ease (Rank 0-10)	Impact (Rank 0-10)
Research and participate in CRS Program.	Mid-Term: 1-3 years			

2) RISK ASSESSMENT AND EMERGENCY MANAGEMENT

2.1 FLOOD EXPOSURE AND VULNERABILITY ASSESSMENT:

4 / 4 Points

2.2 RISK ASSESSMENT FOR VULNERABLE POPULATIONS:

3 / 4 Points

Action Items	Time Period	Support (Check)	Ease (Rank 0-10)	Impact (Rank 0-10)
Hold community meetings about coastal hazards that are accessible to and aimed towards vulnerable populations.	Short or Mid-Term: <1 year to 3 years			

2.3 BUSINESS AND ECONOMIC RISK ASSESSMENT:

2 / 4 Points

Action Items	Time Period	Support (Check)	Ease (Rank 0-10)	Impact (Rank 0-10)
Invite chamber of commerce to send representatives to mitigation and planning meetings.	Mid-Term: 1-3 years			
Provide programs for small businesses for emergency preparation and business continuity post-event.	Mid to Long-Term: 1-3 to >3 years			

2.4 HAZARD MITIGATION: 4 / 4 Points

2.5 RESIDENT EMERGENCY PREPAREDNESS: 3 / 4 Points

Action Items	Time Period	Support (Check)	Ease (Rank 0-10)	Impact (Rank 0-10)
Engage residents through community outreach and trainings/drills.	Short-Term: <1 year			

3) INFRASTRUCTURE RESILIENCE*

3.1 STORMWATER INFRASTRUCTURE: 3 / 4 Points

Action Items	Time Period	Support (Check)	Ease (Rank 0-10)	Impact (Rank 0-10)
Identify minimum state requirements and compare to local requirements.	Mid to Long-Term: 1-3 to >3 years			

3.2 CRITICAL TRANSPORTATION INFRASTRUCTURE: 2 / 4 Points

Action Items	Time Period	Support (Check)	Ease (Rank 0-10)	Impact (Rank 0-10)
Identify weaknesses in transportation infrastructure and address how to fix them.	Short-Term: <1 year			
Identify backup infrastructure in case emergency infrastructure fails or is damaged in storm event.	Short-Term: <1 year			

3.3 WATER SUPPLY AND WASTEWATER MANAGEMENT SERVICES: 0 / 4 Points

Action Items	Time Period	Support (Check)	Ease (Rank 0-10)	Impact (Rank 0-10)
Task staff with identifying drinking water and wastewater vulnerabilities.	Short to Mid-Term: <1 year to 1-3 years			
Update water supply plan to address coastal hazards and dangers they pose to portable water.	Mid-Term: 1-3 years			
Hold public educational events and disseminate educational materials about safe drinking water and what to do in case a storm impacts their water supply.	Short-Term: <1 year			
Establish line of communication with municipal water and wastewater utility to manage challenges to safe water, including during and after storms.	Short-Term: <1 year			

3.4 CRITICAL INFRASTRUCTURE FOR EMERGENCY SERVICES: 2 / 4 Points

Action Items	Time Period	Support (Check)	Ease (Rank 0-10)	Impact (Rank 0-10)
Conduct emergency services infrastructure vulnerability assessment.	Short-Term: <1 year			
Identify emergency services weaknesses and address how to fix them.	Mid-Term: 1-3 years			

3.5 NATURAL AND NATURE-BASED FEATURES:**3 / 4 Points**

Action Items	Time Period	Support (Check)	Ease (Rank 0-10)	Impact (Rank 0-10)
Offer fund-matching or tax incentive programs for homeowners to participate in nature-based landscaping projects.	Mid to Long-Term: 1-3 to >3 years			

4) PLANNING FOR RESILIENCE**4.1 BUDGET, FUNDING AND STATE & FEDERAL ASSISTANCE:****3 / 4 Points**

Action Items	Time Period	Support (Check)	Ease (Rank 0-10)	Impact (Rank 0-10)
Identify funding to meet needs of vulnerable populations in case of emergencies.	Short to Mid-Term: <1 year to 1-3 years			

4.2 COASTAL RESILIENCY IN COMPREHENSIVE PLAN:**1 / 4 Points**

Action Items	Time Period	Support (Check)	Ease (Rank 0-10)	Impact (Rank 0-10)
Ensure comprehensive plan includes community input on coastal resilience.	Short-Term: <1 year			
Ensure comprehensive plan includes strategies to mitigate coastal hazards and reduce vulnerability.	Short-Term: <1 year			
Ensure comprehensive plan includes potential impacts on critical infrastructure and services, especially regarding vulnerable populations.	Short-Term: <1 year			

4.3 LAND USE ORDINANCES:**2 / 4 Points**

Action Items	Time Period	Support (Check)	Ease (Rank 0-10)	Impact (Rank 0-10)
Modify Chesapeake Bay Act buffer to go beyond minimum requirements.	Mid to Long-Term: 1-3 to >3 years			
Establish or enforce setback laws in flood-prone areas.	Mid to Long-Term: 1-3 to >3 years			

4.4 INCENTIVES FOR COASTAL RESILIENCE:**2 / 4 Points**

Action Items	Time Period	Support (Check)	Ease (Rank 0-10)	Impact (Rank 0-10)
Work with local environmental groups to identify natural resources and ecoservices in need of protections.	Mid to Long-Term: 1-3 to >3 years			
Identify high risk areas and implement green infrastructure projects in those areas.	Mid to Long-Term: 1-3 to >3 years			

4.5 NATURAL RESOURCE PRESERVATION:				2 / 4 Points
Action Items	Time Period	Support (Check)	Ease (Rank 0-10)	Impact (Rank 0-10)
Create local policy addressing the importance of protecting natural resources for coastal protection.	Mid to Long-Term: 1-3 to >3 years			
Offer fund-matching or grant funds for natural resource preservation projects.	Short to Mid-Term: <1 year to 1-3 years			

5) COMMUNITY ENGAGEMENT, HEALTH, AND WELL-BEING

5.1 PUBLIC INVOLVEMENT IN RESILIENCE PLANNING:				0 / 4 Points
Action Items	Time Period	Support (Check)	Ease (Rank 0-10)	Impact (Rank 0-10)
Adopt a written policy statement regarding the roles of residents, commercial enterprises, and other stakeholders in coastal resilience.	Mid to Long-Term: 1-3 to >3 years			
Create a coastal resilience committee and assign staff roles.	Short to Mid-Term: <1 year to 1-3 years			
Schedule a coastal resilience public meeting and make sure it is accessible to vulnerable populations.	Mid to Long-Term: 1-3 to >3 years			
Create informational coastal resilience materials to disseminate via social media, government websites, and traditional media and ask for public input.	Short-Term: <1 year			

5.2 PROVIDING COASTAL RESILIENCE INFORMATION TO THE PUBLIC:				1 / 4 Points
Action Items	Time Period	Support (Check)	Ease (Rank 0-10)	Impact (Rank 0-10)
Create audience-appropriate information guides, signs, brochures, social media posts informing the public about coastal resilience and economic risks associated with storm events.	Short-Term: <1 year			

5.3 CITIZEN LEADERSHIP & VOLUNTEER NETWORKS FOR COASTAL RESILIENCE:				1 / 4 Points
Action Items	Time Period	Support (Check)	Ease (Rank 0-10)	Impact (Rank 0-10)
Hold community training sessions to educate public on resiliency strategies.	Short to Mid-Term: <1 year to 1-3 years			
Provide local leaders and volunteers with educational materials and speakers for local events.	Mid-Term: 1-3 years			
Highlight community efforts on website or social media or with awards.	Short-Term: <1 year			

5.4 RESILIENT SYSTEMS TO PROVIDE FOOD, HEALTH, AND MEDICINE:				4 / 4 Points
5.5 PHYSICAL AND MENTAL HEALTH FOR SOCIAL EQUITY IN COMMUNITY RESILIENCE:				4 / 4 Points