

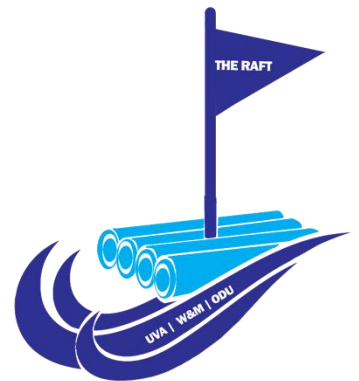
# THE RAFT

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](http://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)	
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**