



THE RAFT

Resilience Adaptation Feasibility Tool

Scorecard Opportunity List City of Petersburg

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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1) LOCALITY LEADERSHIP, POLICY, AND COLLABORATION

1.1 LOCALITY LEADERSHIP AND PLANNING FOR RESILIENCE:

1 / 4 Points

Action Items	Time Period	Support (Check)	Ease (Rank 0-10)	Impact (Rank 0-10)
Hold informative welcome event to identify resiliency staff and leaders.	Short to medium-term			
Hold resiliency trainings events for elected officials. and community leaders with resiliency experts as guest speakers.	Mid-Term: 1-3 years			

1.2 LOCALITY LEADERSHIP AND RESPONDING TO EMERGENCY:

2 / 4 Points

Action Items	Time Period	Support (Check)	Ease (Rank 0-10)	Impact (Rank 0-10)
Establish emergency response roles offer mandatory trainings based on those roles.	Mid-Term: 1-3 years			
Include stakeholders and vulnerable populations in resiliency community meetings.	Mid-Term: 1-3 years			

1.3 LOCAL COLLABORATION WITH STATE AGENCIES AND REGIONAL PDCs:

3 / 4 Points

Action Items	Time Period	Support (Check)	Ease (Rank 0-10)	Impact (Rank 0-10)
Work with resiliency-focused community groups serving vulnerable populations.	Mid-Term: 1-3 years			

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 emergency preparedness information sessions for vulnerable populations.	Short to medium-term			

2.3 BUSINESS AND ECONOMIC RISK ASSESSMENT:**1 / 4 Points**

Action Items	Time Period	Support (Check)	Ease (Rank 0-10)	Impact (Rank 0-10)
Provide chamber of commerce or local business owners copies of hazard maps to ensure their approval before finalizing the maps.	Mid-Term: 1-3 years			
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:****4 / 4 Points****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:**0 / 4 Points**

Action Items	Time Period	Support (Check)	Ease (Rank 0-10)	Impact (Rank 0-10)
Conduct transportation infrastructure vulnerability assessment	Short-Term: <1 year			
Identify weaknesses in transportation infrastructure and address how to fix them.	Short-Term: <1 year			
Inform residents of which transportation infrastructure to use in case of emergency through informational magnets, flyers, posters, social media etc.	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:**1 / 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 medium-term			
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.	Mid-Term: 1-3 years			

3.4 CRITICAL INFRASTRUCTURE FOR EMERGENCY SERVICES:**1 / 4 Points**

Action Items	Time Period	Support (Check)	Ease (Rank 0-10)	Impact (Rank 0-10)
Identify emergency services weaknesses and address how to fix them.	Mid-Term: 1-3 years			
Inform residents of which emergency infrastructure to use in case of emergency using informational magnets or brochures, posters, or social media.	Short-Term: <1 year			
Identify backup plan and identify the necessary parties.	Short to Mid-Term: <1 year to 1-3 years			

3.5 NATURAL AND NATURE-BASED FEATURES:**1 / 4 Points**

Action Items	Time Period	Support (Check)	Ease (Rank 0-10)	Impact (Rank 0-10)
Research natural and nature-based features that would be best suited to locality.	Short-Term: <1 year			
Create a green infrastructure plan that outlines the use of natural and nature-based features to enhance coastal resilience.	Short to Mid-Term: <1 year to 1-3 years			
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:****2 / 4 Points**

Action Items	Time Period	Support (Check)	Ease (Rank 0-10)	Impact (Rank 0-10)
Allocate specific funds for coastal resilience into Capital Improvement Plan.	Short to Mid-Term: <1 year to 1-3 years			
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:**2 / 4 Points**

Action Items	Time Period	Support (Check)	Ease (Rank 0-10)	Impact (Rank 0-10)
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:**3 / 4 Points**

Action Items	Time Period	Support (Check)	Ease (Rank 0-10)	Impact (Rank 0-10)
Modify flood zone designations to include areas outside FEMA designations that are still known to flood regularly.	Mid-Term: 1-3 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:				0 / 4 Points
Action Items	Time Period	Support (Check)	Ease (Rank 0-10)	Impact (Rank 0-10)
Map natural resources and their flooding risk.	Short-Term: <1 year			
Create local policy addressing the importance of protecting natural resources for coastal protection.	Mid to Long-Term: 1-3 to >3 years			
Hold community meeting open to residents, civic organizations, and NGOs to educate community about natural resource preservation plan.	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:				1 / 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			
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:				0 / 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:				3 / 4 Points
Action Items	Time Period	Support (Check)	Ease (Rank 0-10)	Impact (Rank 0-10)
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:**3 / 4 Points**

Action Items	Time Period	Support (Check)	Ease (Rank 0-10)	Impact (Rank 0-10)
Develop public-private partnerships to address needs and plan how to provide healthcare to vulnerable populations during storm events.	Short to Mid-Term: <1 year to 1-3 years			

5.5 PHYSICAL AND MENTAL HEALTH FOR SOCIAL EQUITY IN COMMUNITY RESILIENCE:**1 / 4 Points**

Action Items	Time Period	Support (Check)	Ease (Rank 0-10)	Impact (Rank 0-10)
Gather data on community physical and mental wellbeing and challenges through specific metrics, such as "deaths of despair" (suicide, cirrhosis of the liver, overdoses).	Long-Term: >3 years			
Partner with NGOs and community groups to identify needs of vulnerable populations.	Short-Term: <1 year			
Make plans to best help vulnerable populations during emergencies in conjunction with community groups.	Short to Mid-Term: <1 year to 1-3 years			