

Virginia Community Flood Preparedness Fund - Resiliency Plan Requirements
August 16, 2021

No.	Ref.	Requirement	Met Where	Met Language
1	Part III.A	It is project-based with projects focused on flood control and resilience.	RVA Clean Water Pg. 2, 40, 71, 82	Language describes an integrated management plan across the City for the stormwater for the integrated permit, with benefits.
2	Part III.A	It incorporates nature-based infrastructure to the maximum extent possible.	RVA Clean Water Pg. 40	Final strategies for the integrated planning listed, including restoration of riparian areas, green infrastructure, stream restoration, and land conservation.
3	Part III.A	It includes considerations of all parts of a local government regardless of socioeconomics or race.	Crater 2017 4.5.15	Community Description for the City of Richmond documenting these conditions.
4	Part III.A	It includes coordination with other local and inter-jurisdictional projects, plans, and activities and has a clearly articulated timeline or phasing for plan implementation.	Crater 2017 2.1, 2.2, 3.0	Introduction describes the coordination with jurisdictions across the Richmond Metropolitan Area.
5	Part III.A	Is based on the best available science and incorporates climate change, sea level rise, and storm surge (where appropriate), and current flood maps.	Crater 2017 1.1, 3.3, 5.6.5, 5.6.6 Fig. 5-1, 5-2	The Richmond-Crater Multi-Regional Hazard Mitigation Plan update incorporates information from a number of other plans, studies, and reports. These documents include: - Virginia Department of Conservation & Recreation (DCR) climate reports Sections 5.6.5 & 5.6.6. FEMA Flood Insurance Rate Map (FIRM) map was developed based on details hydrologic and hydraulic studies that was used in the plan to identify flood hazard and asses risk. FIRM's hydrologic and hydraulic studies and their data are affected by climate change, sea level rise (tidal), and storm surge. Section 5.6.5 in the plan identifies various watershed locations and sizes and their drainage area maps.
6	Appendix G	Equity based strategic polices for local government-wide flood protection and prevention.	Crater 2017 7.1 - 7.3	Table 7-1. STAPLE/E Prioritization Criteria for Actions to be Taken - Are there equity issues involved that would mean that one segment of a community is treated unfairly? "After the 2017 actions were selected, the STAPLE/E (Social, Technical, Administrative, Political, Legal, Economic, and Environmental) criteria (Table 7-1) were used to inform prioritization the most appropriate actions for the Richmond-Crater communities. This methodology requires that social, technical, administrative, political, legal, economic, and environmental considerations be taken into account when reviewing potential actions for the area's jurisdictions to undertake. This process was used to help ensure that the most equitable and feasible actions would be undertaken based on a jurisdiction's capabilities.
7	Appendix G	Proposed projects that enables communities to adapt to and thrive through natural or human hazards.	RVA Clean Water Pg. 40-43, 64-66	Describes the selected final strategies that will enable the communities to thrive.
8	Appendix G	Documentation of existing social, economic, natural, and other conditions present in the local government.	See row 3.	See row 3.
9	Appendix G	Review of the vulnerabilities and stressors, both natural and social in the local government.	Crater 2017 5.0, 5.6	Section 5 is Hazard Identification and Risk Assessment. Section 5.6 covers flooding specifically. Additional covered vulnerabilities and stressors are: - Landslides, Shoreline Erosion, Droughts, Earthquakes, Hurricanes, Sinkholes, Wind, Tornados, Wildfires, Winter Weather, Thunderstorms, Extreme Heat
10	Appendix G	Forward-looking goals, actionable strategies, and priorities through as seen through an equity-based lens.	See row 6.	See row 6.
11	Appendix G	Strategies that guides growth and development away from high-risk locations that may include strategies in comprehensive plans or other land use plans or ordinances or other studies, plans or strategies adopted by a local government.	Crater 2017 6.5.3	Section describes the improvements Richmond has taken to improvement the stormwater management of their facilities.

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12	Appendix G	Proposed acquisition of land or conservation easements or identification of areas suitable for conservation particularly areas identified as having high flood attenuation benefit by ConserveVirginia or similar data driven tools.	RVA Clean Water Pg. 40-43	Conservations easements are specifically listed as part the final selected strategies for meeting the strategies.
13	Appendix G	Identification of areas suitable for property buyouts in frequently flooded areas.	Crater 2017 6.5.3	Local highlights for the City of Richmond include, acquisition and relocation of families in the Battery Park Community and Broad Rock Creek.
14	Appendix G	Identification of critical facilities and their vulnerability throughout the local government such as water and sewer or other types identified as “lifelines” by FEMA.	Crater 2017 5.1 RVA EOP 2017	In the Crater Plan, critical facilities and planning are referenced here, specific community information was redacted for security sensitivity. The RVA EOP establishes a legal and organizational basis for emergency and disaster operations in the City of Richmond, and in doing so indentifies the critical facilities and their vulnerability throughout the local government.
15	Appendix G	Identified ecosystems/wetlands/floodplains suitable for permanent protection.	RVA Clean Water Pg. 40, Append. 2	Green infrastructure projects in MS4 and combined areas include protection and conversion to constucted wetlands.
16	Appendix G	Identified incentives for restoring riparian and wetland vegetation.	RVA Clean Water Pg.2, Append. 2 & 3	Incentives/credits are part at the strategy to achieve the goals of the Clean Water Plan, including for the practices such as placing or restoring riparian buffers.
17	Appendix G	A framework for implementation, capacity building and community engagement.	Crater 2017 6.1, 6.2 RVA Clean Water Pg. 6	These two sections describe the existing capabilities of the communities and the plan/strategies for partnering with the communities to achieve the common goals.
18	Appendix G	A community dam safety inventory and risk assessment posed by the location and condition of dams.	N/A	N/A
19	Appendix G	A characterization of the community including population, economics, cultural and historic resources, dependence on the built environment and infrastructure and the risks posed to such infrastructure and characteristics by flooding from climate change, sea level rise, tidal events or storm surges or other weather.	See rows 3 and 9.	See rows 3 and 9.
20	Appendix G	Strategies to address other natural hazards that would cause, affect or result from flooding events including: - Earthquakes - Storage of hazardous materials - Landslides/mud/debris flow/rock falls - Prevention of wildfires that would result in denuded lands making flooding, mudslides or similar events more likely - Prevention of wildfires that would result in denuded lands making flooding, mudslides or similar events more likely - Preparations for severe weather events including tropical storms or other severe storms, including winter storms	See row 14.	See row 14.

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Referenced Documents

Referenced Document	Referenced As	Link
RVA Clean Water Plan	RVA Clean Water	https://rvah2o.org/wp-content/uploads/2020/02/Final_RVA_Clean_Water_Plan.pdf
Richmond - Crater Hazard Mitigation Plan	Crater 2017	https://rvah2o.org/wp-content/uploads/2025/07/City-of-Richmond-Richmond-Crater-Hazard-Mitigation-Plan-2017-Res.-No.-2017-R087-Resilience-Plan-Requirements.pdf
City of Richmond Emergency Operations Plan	RVA EOP 2017	https://rvah2o.org/wp-content/uploads/2025/07/City-of-Richmond-Emergency-Operations-Plan-EOP-Updated-April-2017-Resiliency-Plan-Requirements.pdf